

# PROGRESSIVE ARCHITECTURE JANUARY 1966

## NEWS REPORT

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

### Johnson Fashions Kennedy Memorial

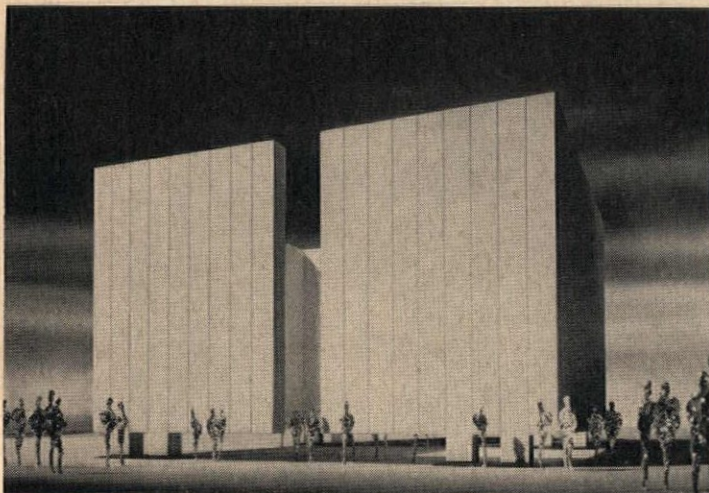


Photo: Louis Checkman

DALLAS, TEX. A stark, silent sepulchral monument, described by its designer, architect Philip Johnson, as an "open, floating room," will commemorate the spot of the late President Kennedy's assassination. Construction will begin March 1 on the roofless, raised

structure, which will measure 50'x50'x30'. It will be fashioned with hollow, 30"x30" precast, post-tensioned concrete planks at a cost of about \$100,000. The monument of course will have some sort of identification. Just what, Johnson is not sure; he is working on it.

### Yamasaki Designs Boston Air Terminal



BOSTON, MASS. By late 1967, passengers flying Eastern Airlines into or out of Logan International Airport here will pass through this terminal designed by Minoru Yamasaki. In an era when most airline edifices are called jet-age terminals, this one was designed more with passengers in mind than jets—a passenger-age terminal.

Yamasaki's design brings the planes as close to the passengers as possible. The longest boarding stroll will be 350' from the sidewalk or passenger elevators. Arriving patrons will drive their cars right into the terminal, parking them on any of three floors of garage space above the terminal area, or on the roof. Baggage will be

checked in near the curb and delivered to the plane-boarding areas by conveyor.

At either side of the terminal will be satellite lounges, each with six gate positions, and, if future traffic demands it, a third lounge can be added at the rear, increasing the gate positions to 18. In all, Eastern expects its new facility to be capable of handling more than 6,000,000 passengers per year, three times as many as its pres-

ent facilities at Logan handle.

Yamasaki calls his design: "American contemporary technological design." He adds that "the big problem was to make it look like a terminal, not just a garage terminal facilities superimposed." Beneath the roof overhang, the three parking floors, which will accommodate 1000 cars, will be hidden behind a slotted curtain wall of sparkling aluminum decorative strips and glass or plastic.

### Housing Starts Going up in 1966

NEW YORK, N.Y. Despite much talk about a continuing decline of housing starts, the November issue of *Housing Trends* predicts that 1966 will be a good year for homebuilding. Based on an analysis of household formation, mobility, and the need for replacement of existing units, *Housing Trends* forecasts 1,600,000 housing starts this year. This total is up slightly from 1965, a volume almost the same as 1964's.

Also foreseen is a 5 per cent increase in the dollar cost of residential additions, alterations, maintenance, and repairs to a total of \$13,750,000. This

volume, as it has been in recent years, is almost half the total dollar value of new housing construction.

*Housing Trends* cites a NAHB Economics Department study that shows houses are again getting bigger if not better. In 1965, according to the study, houses will have 12 per cent greater total square foot area than did those put up in 1955. Says *Housing Trends*, "In practical terms, this increase could reflect the American family's desires for an extra bathroom, a family-size kitchen or a retreat for adults—or just more room."

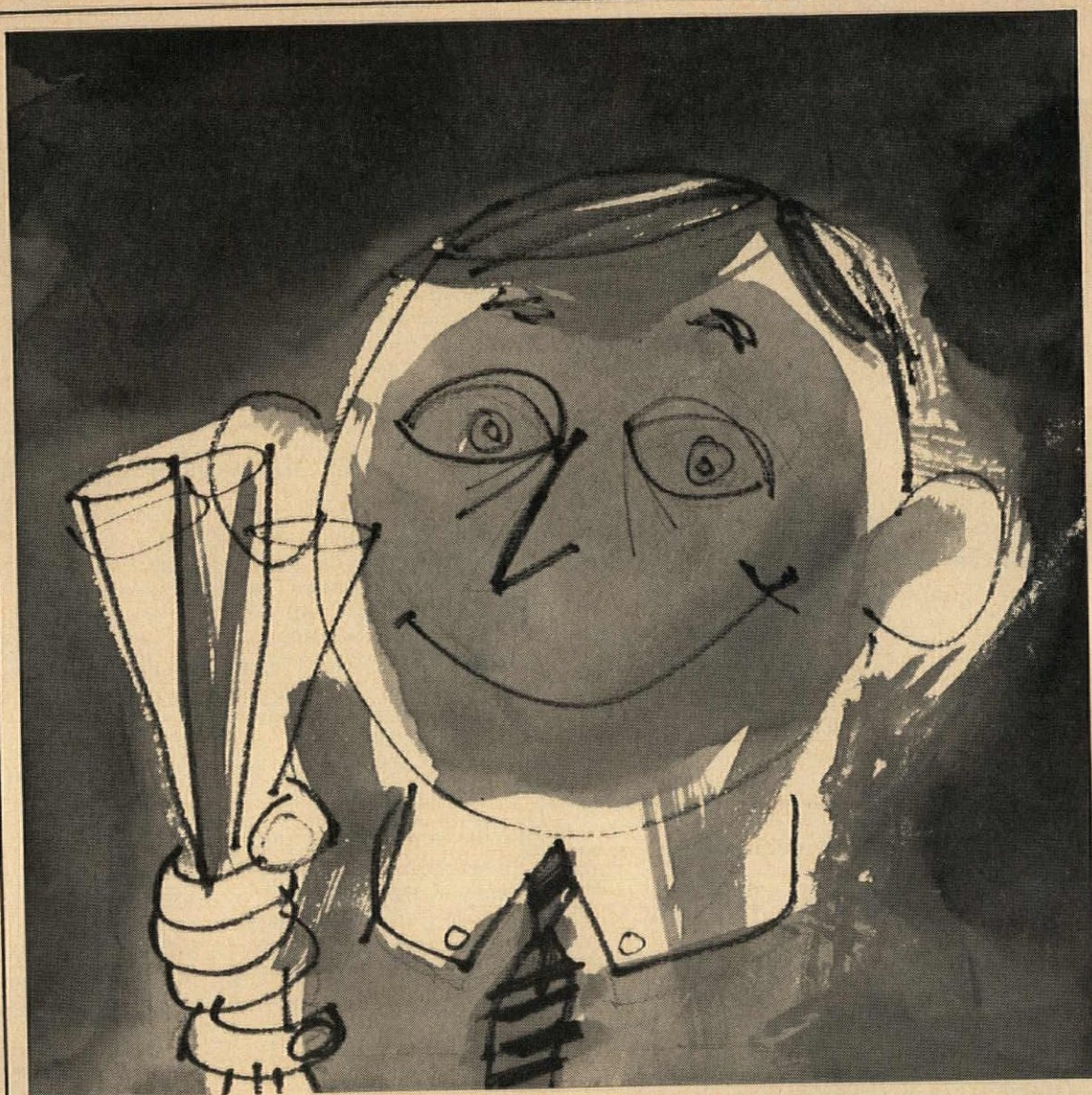
### Cents and Sensibility

NEW YORK, N.Y. U.S. Gypsum is spending \$1,250,000 in East Harlem. Last July, the 63-year old, \$315,000,000 company went into the rehabilitation business: it bought and privately financed the renovation of six tenements on East 102nd



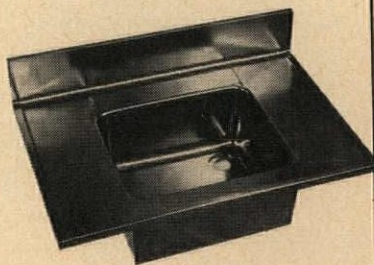
Street. One by one, Gypsum, Blitman Construction Company, and architects Mazza and Seccia are rehabilitating the buildings, some of which provided no heat, no closets, minimal toilet facilities, and had been charged with as many as 149 building code violations. The company met with tenants,





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THE DURIRON COMPANY, INC. DAYTON, OHIO





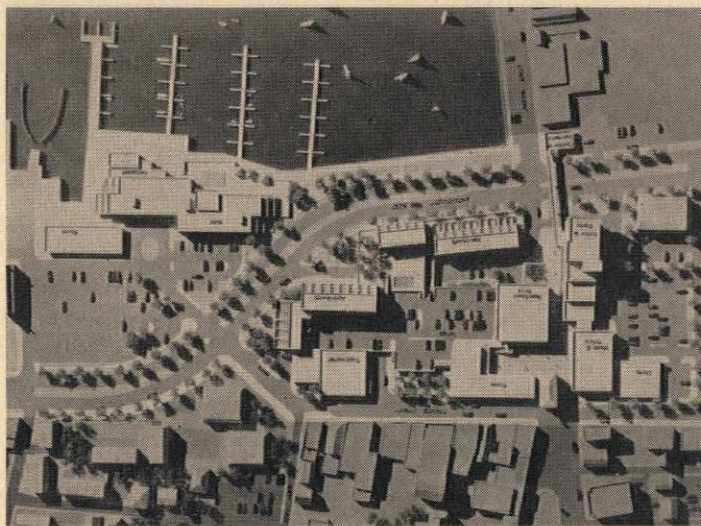
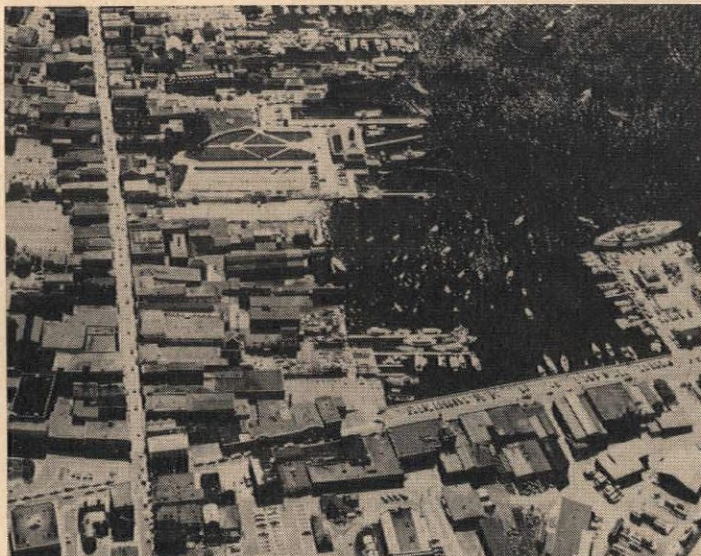
agreed to pay their moving expenses, as well as any difference in rent they might incur in the meantime. As the tenements are finished, the old tenants will move back into them. Things will be a bit different though. Where before the average rent was \$28 a month, the rent now will be \$78. But this is a hike that all agreed on. Where necessary, rent subsidies from the city's Rent and Rehabilitation Administration will be available.

Last December, the first building, 307-9 E. 102nd St., was completed just in time for Christmas. New kitchens, toilets, floors, walls, ceilings, doors, windows, steps, roof, heat insulation, sound control, light fixtures, garbage chutes, mail boxes and buzzers were in evidence. And on the exterior, a bright new coat of paint graced the old but sturdy and now corniceless tenement—all this in a neighborhood that tended toward dilapidation, for a price less than half that of new construction.

The cost of purchasing the houses and renovating them will amount approximately to \$230,000—an investment that should pay Gypsum large dividends. As probably the first private corporation to go into renovation work, the company is hoping to spur others to share in what is projected to be a \$4,000,000-a-year market for the construction and building materials industry. The 102nd Street project will also be a testing ground for Gypsum products such as a new fireproof insulation material that is liquid when applied, and radiant heat conductors in the ceiling. When the project has been completed, in 1967, Gypsum hopes to sell the buildings to a nonprofit community corporation. It will also publish its findings so that others may know the ins and outs of renovation.

The renovation work begun by U.S. Gypsum has had a heartening effect on the neighborhood. Already owners of two other buildings on the block have painted their house-fronts and the city is planning a six-story low-rise development to stretch to 101st Street. There is also a change in the atmosphere. The "social club" at the pool hall is still there. But so now are thoughts of trees, girl scouts, and vest pocket parks.

## Waterfront Renewal in Newport



NEWPORT, R. I. During the America Cup races, the Newport waterfront is crowded with yachting buffs, yachts, banners and other nautical trappings. During the Newport Folk Festival, it is loaded with cops and bearded youths. The rest of the time, it is more like a typical urban waterfront area, with piers jutting haphazardly into the bay, slightly dingy shops, and bars filled with sailors. Now at least part of



that will change.

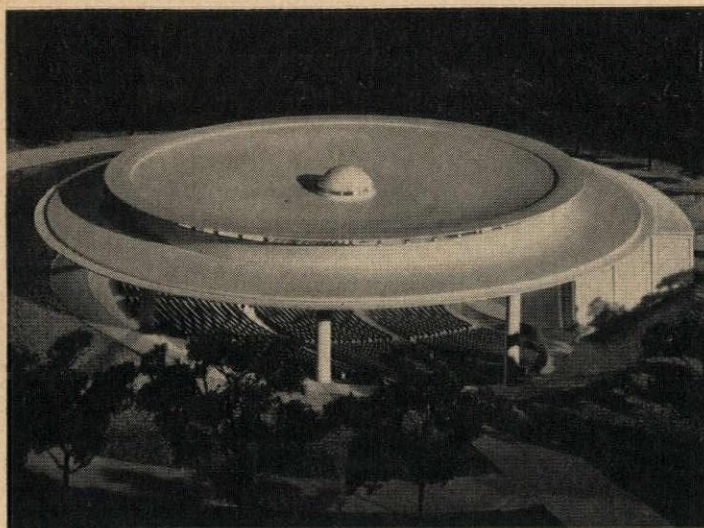
On waterfront property off Thames Street, just beneath the Newport village green (Washington Square), the Newport Redevelopment Agency has marked land for renewal. Recently approved was a redevelopment plan drawn up by New York architects Hoberman & Wasserman and presented by the Thames Street Company of which they are a part. Their designs are based on a master plan composed about two-and-a-half years ago by Hoberman & Wasserman working with Candeub, Fleisig, Adler & Associates, planning consultants to the Redevelopment Agency of Newport. The Thames Street Company (whose other principals are Corinthian Conservation Co., Inc., and William L. Crow Construction Co.) is trying to raise the \$6,000,000 necessary to see their designs through construction.

Planned is a carefully integrated area of shops, offices, residences, and, at one end of the area where the harbor ferry now docks, a marina, a motel, a restaurant seating 400, and more stores. Parking will be made available for 839 cars, 523 in a central garage. What is now the straight, unrelieved stretch of Thames Street will be broken as it runs into the graceful curve of a boulevard that dips from the main thoroughfare past the water's edge. Lining this boulevard, looking out over the water, will be 60 apartments and town houses, which will rent for about \$50 per room.

Incorporated into the design is a Newport landmark, the Brick Market. It will provide an architectural link with the rest of the town beyond it and front, on the renewal side, on an enclosed urban pedestrian plaza more reminiscent of an Italian square than a New England village green. But Hoberman & Wasserman have wisely left the vista past the Brick Market open so that someone standing by the town hall at the head of Washington Square can see through the development past the Chamber of Commerce building (to be tied to the development by a footbridge over the waterfront boulevard) all the way to the waterfront. Despite the seemingly vast open spaces of parking lots, the plan is in keeping and in scale with the rest of Newport across Thames Street.



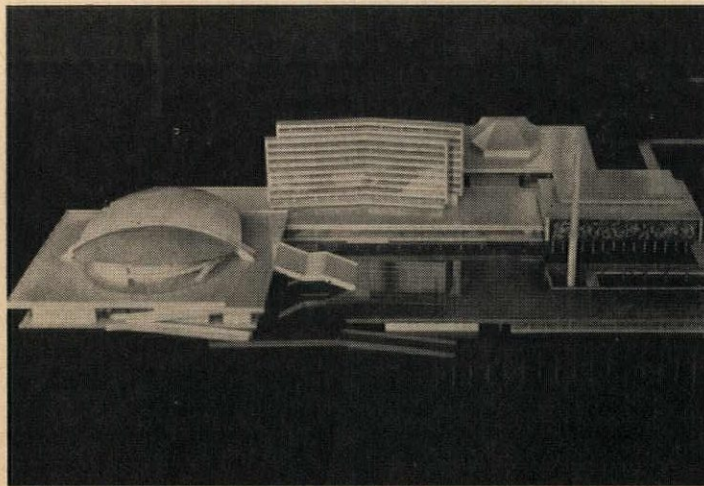
## Stone Designs Cultural Amphitheater



HOLMDEL, N.J. The Garden State Parkway has a firm grasp on culture. And plans are underway to use it the way organ-grinders use monkeys: as a lure. Responding to the come-on presumably will be dollar-clutching motorists who use the Parkway, instead of penny-clutching kids. On a 250-acre track on Telegraph Hill Park just off the Parkway, will be located the Garden State Arts Center, of which

the amphitheater shown here will be the focus. Designed by Edward Durell Stone, the theater will seat 10,000, with room for 4800 under the circular, saucer-shaped overhang, the rest sitting on the sloping lawn. Free parking, nature trails, and an art exhibition mall will complete the center. Construction is scheduled to start early this year, with a formal opening of the amphitheater due on Easter, March 26, 1967.

## UNITED NATIONS EAST?



JAKARTA, INDONESIA A painting displayed prominently in Jakarta's new exhibition hall shows Indonesian President Sukarno carrying a globe, marked "Conefos" (for Conference of New Emerging Forces), as he helps Red China's Chou En-lai and the United Arab Republic's Nasser push a fat American capitalist into a bonfire fueled by the skyscrapers of New York. Sukarno's particular brand of nationalism, like that practiced by most megalomaniacs, gives the populace an imagined outside foe to take

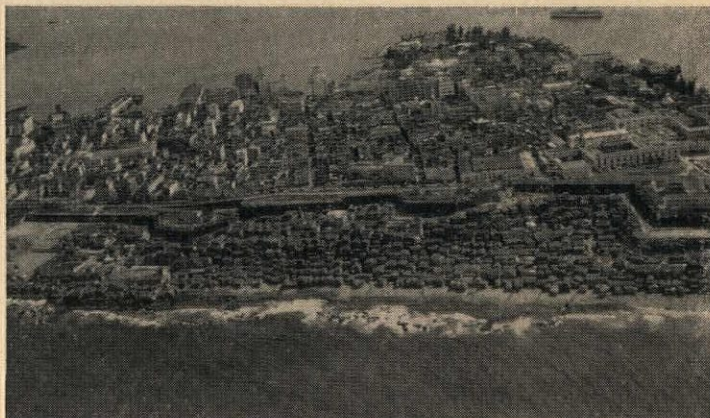
their minds off more pressing deficiencies. In this case, the foes are the Olefos—the Old Established Forces—and what makes his crusade particularly interesting to architects is that Sukarno is giving it a peculiar architectural twist.

Under construction since last April, the tenth anniversary of the Bandung conference of the Afro-Asian nations, is a complex of buildings that will house the Conference of Emerging Nations next August. Sukarno intends to have the Conference found a "Unit-

ed Nations" that will rival the organization based in New York. Only Nefos, of course, would be eligible for membership. Even if the new organization is formed and successful politically, its architectural expression is obviously foredoomed. The entire complex looks a little like an Hawaiian village conceived by the Hilton Hotel chain. Its geometrical forms, if that is what they are, have no cohesion, and, worse than that, no apparent reason for standing next to each other. They look self-conscious, and, in model form, slick, like the jokes of a third-rate comic. Ironically, they look capitalistic, a little like the skyscrapers that are burning with the American capitalist in the

painting. Besides the domed assembly hall and the 11-story secretariat building, the complex will have, in its almost 200,000-sq-ft, housing for visiting dignitaries (including bungalows for six chiefs of state) a shopping center, restaurants, a chapel, and a night club. Sukarno, who is personally supervising construction, has thought of everything including how to pay for it. Earmarked for construction costs are 15,000,000 American dollars (the last of our Indonesian foreign aid?); and a recently completed banknote printing plant is busy turning out currency to use in this and other projects that the economy cannot quite support without artificial stimulation.

## Leaving the Pearl Behind Them



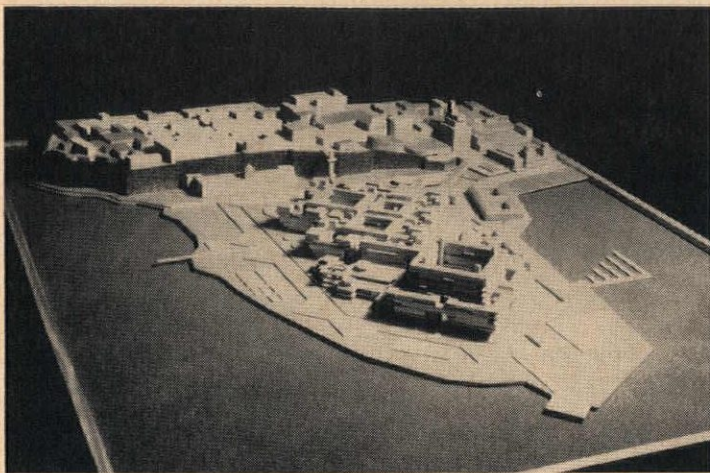
SAN JUAN, PUERTO RICO Romantic Old San Juan is pitted with pockets of poverty. One of these, La Perla, an area just outside the city walls to the north, between the wall and the water, contains about 3000 persons living in shacks put together from cardboard and

wooden crates. According to Jan Wampler, a young Harvard-trained architect-planner who spent two years working for Boston's Redevelopment Authority and who this month became the head of a newly formed Department of Renewal and Planning in the Com-



monwealth of Puerto Rico, La Perla is not all bad: "Its location on the water provides an excellent playground for its children. The site, a steep slope above the ocean, is spectacular enough to allow it to be called a romantic slum. The shacks, falling down the hillside in many levels and directions, and

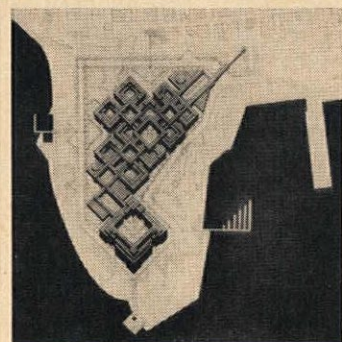
that juts out into the bay, is an area called La Puntilla. Here his department plans a development of low-income and middle-income housing. (The design work was done last year when Wampler was resident architect-designer for the Department of Urban Design and Housing.) Grouped in inter-



the steep winding paths connecting one house to another are indeed picturesque. But this cannot excuse the fact that the housing of La Perla is worse than housing in general was 2000 years ago." Even though he may be exaggerating the plight of the housing, it is indeed bad. And filth seems to spawn more filth. Garbage is thrown into the footpaths, which are used as toilets, and, when it rains, turn into a morass of stinking mud. Pigs and chickens run freely among the houses. To get water, La Perla residents must carry buckets to spigots located at the top of the hill beneath the wall.

Urban renewal has been tried before in Puerto Rico and elsewhere in Latin America with little success. Almost always, the new housing provided for slum dwellers is an extension of what has worked well in a more advanced country such as the United States. And Latin slum dwellers fit no better into this "improved" housing than a Chicago slum dweller would fit into La Perla. Plaster walls are soon defaced. Garbage is thrown into the corridors, which replace the alleys. And plumbing fixtures, a strange luxury, difficult to understand, are ignored while residents use corridors or stairwells or the corners of their rooms.

Wampler's group hopes to avoid some of these pitfalls. Across town, outside the walls to the south of Old San Juan on a peninsula of filled land



connected squares and rectangles around central courtyards, the low-income group will be public housing, 445 dwelling units in all, arranged on a little more than 10 acres. Ground floors will be open land so that tenants can raise pigs or chickens or even keep vegetable gardens. Most of La Perla's residents who will eventually settle here come from rural areas. Wampler is purposely keeping his structure simple. Essentially, what will be provided is a skeletal structure—rough concrete floor slabs, an overhanging roof, rough concrete partitions between apartments, and basic utilities. Outside walls and interior apartment partitions will be left up to the individual tenants. The typical Puerto Rican home has only one central room: the bedroom; to provide other room arrangements—dining rooms and powder rooms for instance—seemed superfluous. Instead, tenants will be encouraged to build their own walls and partitions, using the wood, paper, nails, and glass from their shacks in La Perla.

Wampler hopes to give them a more recognizable, and hence, for them, more comfortable surroundings by letting tenants keep something of their former surroundings. He also hopes to help them maintain a sense of dignity and accomplishment by having them do some of the work themselves.

At right angles to the low-income dwellings, which will rent for \$15 to \$20 per month, is a middle-income structure. These apartments will be condominiums, 400 dwelling units on 3.2 acres. Between low- and middle-income projects will be schools, churches, and community halls shared by both groups.

Between the development and the ocean, which surrounds it on three sides, is public land (the Commonwealth owns all shore land in Puerto Rico) to be developed for recreation.

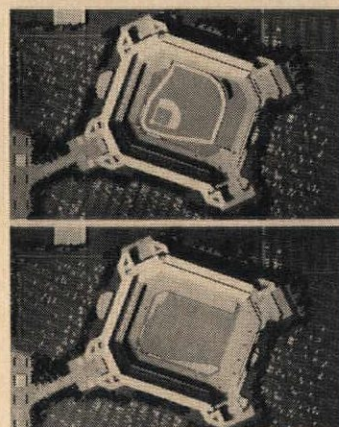
But despite its seeming isolation on a peninsula, La Puntilla when developed will be an integral part of San Juan. The site is always in view from the

old city, and Wampler hopes the design will heighten this visual integration. He explains it this way: "The design of La Puntilla has been thought of as one large structure divided within itself to form the individual apartments. Within the larger structure will be a great variety of shapes and forms. This basic concept is not very different from that of the Old San Juan area, where a regular system of streets was established. Yet even though most lot sizes are the same, individual houses are different and the result is a strong order with a great amount of variety."

Wampler believes he can build the housing at a cost of \$9 per sq ft, including the communal spaces such as corridors and courtyards.

Although the plan has been approved on the local level by the Commonwealth agencies involved, it must still find approval with the HHFA in Washington. Just when it will be presented and how it will be received is still not certain.

## A Modern-Day Colosseum for Philadelphia



PHILADELPHIA, PA. The Colosseum in Rome was a truly multipurpose amphitheater. It was used for gladiatorial combat as well as for bouts between lions

and Christians. The Romans even recreated a naval battle there once, anticipating by almost 2000 years Darryl F. Zanuck, who, when he filmed the story of the D-Day invasion in *The Longest Day*, was dubbed by *Time* magazine the world's third-largest military power. Today's stadia are rarely called on to be so versatile, but they must accommodate more spectators.

Planned for Philadelphia is this baseball-football stadium, which will seat 60,000 for baseball and slightly more than 70,000 for football (the Colosseum held an estimated 50,000). A bond issue in 1964 raised \$25,000,000 for its con-



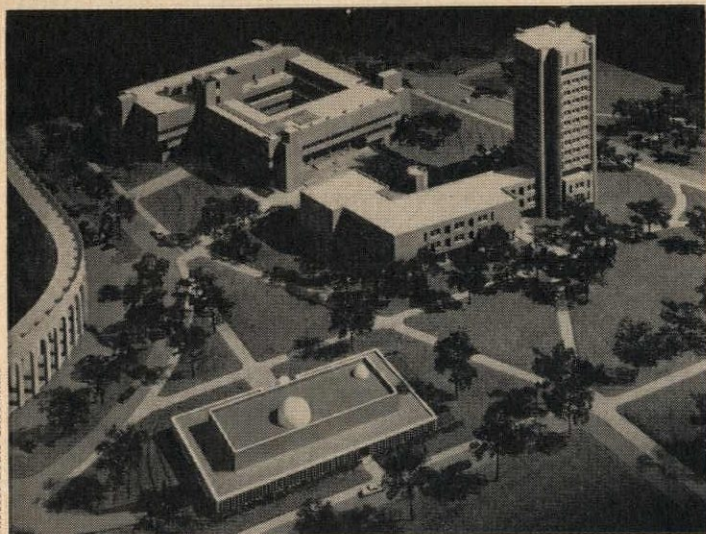
struction. And last month, a scale model of the Stonorov & Haws design was displayed in City Hall. Foundation work will begin early this year.

In an era when the stadia harvest across the U.S. is larger than ever, the Philadelphia stadium represents a different variety: It is rectangular (octagonal, actually, with one end missing) instead of round or oval. The architects claim that its rectangularity allows more seats to be closer (by 50' to 60') to the playing field. For baseball, 4000 sideline, first-tier seats will slide back under the stands, much the way a blueprint drawer slides into a filing cabinet.

Outside the stadium, flanking the main entrance, are two ramp towers, with two more stationed at the stadium's left- and right-field corners. Vast parking lots, which can hold 10,000 cars, 300 buses, and 150 taxicabs, surround the stadium on three sides; when filled, they will probably give the stadium the look of a great, boxlike ship floating on a sea of cars. Eventually, the Philadelphia Transit Company will have a subway stop 400' from the entrance.

The stadium will in addition house offices and players' facilities for both the Philadelphia Phillies and the Philadelphia football team, the Eagles.

## Going Up at Princeton



PRINCETON, N.J. Colleges in small college towns naturally have an overwhelming effect on the community. Princeton, New Jersey (with a population of 11,890 in 1960), is in many ways typical. When plans were announced for the new mathematics building, part of which New York architects Warner, Burns, Toan & Lundy designed as a 13-story tower, some Princeton residents raised objections. No buildings in the township, off campus, are more than eight stories high, they pointed out, and the township's planning board proposed that height limit of 100' be placed on buildings in this educational zone. It then revised the limit to 170', the height of the mathematics tower, and held a meeting to discuss it. Right now, things are calm; but the furor could erupt again. And if the question is not raised in Princeton, it is bound to come up in any number of college towns



across the country, where building space is becoming a problem.

WBT & L had some compelling reasons for designing a tower. For one thing, Princeton is a campus with several vertical accents. Nassau Hall, the University Chapel, McCarter Theater, Holder Tower, Firestone Library, Palmer Laboratories, and Cleveland Tower are all more than 100' high. And in the area near Palmer Stadium where the new tower will go up, a vertical building

is needed both to make the building stand out and to tie it visually to the rest of the campus. For another thing, the faculty offices and conference rooms, which the tower houses, become more private if they are arranged on separate floors.

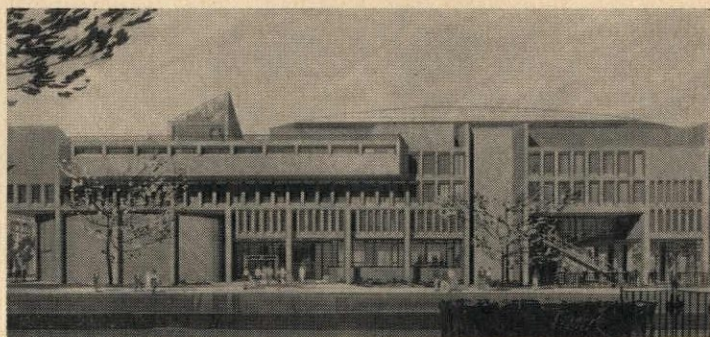
The WBT & L plan shows eight offices and a conference room on each of nine floors. Finally, although the tower is relatively small, only 60' x 60', with a total interior area of 42,000 sq ft, it would take up a good deal more ground if spread out on only two or three levels, and Princeton is determined to guard jealously what relatively few open areas are left on the campus. In an open letter to the Princeton community last October, President Robert F. Goheen put it this way: "The dilemma for the University is clear: pressures to grow, pressures to retain a parklike campus, including playing fields readily accessible to the community and much used by many of the local residents and their children. It is impractical to resolve the dilemma by burrowing underground—or, at least, by trying to burrow very far. (The University will be going underground for several floors of the Math-Physics complex, just as it did for the Firestone

Library.) The answer is that we have to go up."

Arranged in a three story L-shaped wing beneath the math tower are classrooms, a cafeteria, and, at the foot of the L, a 250-seat lecture hall that will be shared by students and faculty of the new physics building across the courtyard. Beneath this connecting courtyard is a library, also shared by both groups. Hugh Stubbins & Associates have designed the physics building, and WBT & L have worked with them trying to keep the buildings harmonious. They relate better to each other, as they should, than to their nearest neighbor, Peyton Hall, the building now under construction for the Astrophysical Sciences, designed by Minoru Yamasaki.

Elsewhere on the campus, just south of the golf course, 600 units of married graduate student housing are planned, designed by Fischer, Nes, Campbell & Associates. This group will also have a 13-story building. Both the mathematics building tower and the married student housing tower are on low ground, so that, when seen from below, they will appear lower than several structures on the main area of the campus.

## Novum Edificium



CHICAGO, ILL. For more than 50 years, the upper school of The Latin School of Chicago (grades 7 through 12) has occupied the site at North Stone Street between East Scott and East Division. Now plans are afoot to raze the complex of buildings there and replace them with a single more commodious structure. Designed by Harry Weese, the new building, which will get underway in the spring, will have 22 classrooms, 9 more than are presently available. On the first floor will be a manual arts shop, school store, and the

Physical Education Department. If sufficient funds can be raised, there may be a swimming pool. There will be a botanical laboratory on the roof. Also on the roof will be a 10,000-sq-ft area, enclosed by a translucent plastic dome. According to William H. Fetrige, president of the Latin School's Board of Trustees, "This innovation can be the answer for schools in the inner city which have insufficient land for outdoor playing fields." In addition to the usual classrooms and laboratories, the building will have a faculty



research center, a student publications center and darkroom, an audio-visual unit, and art studios. Completion is expected in time for the fall term in 1968. Just what will be done for classrooms in the meantime is still under discussion.

## P/A's Parent Company Consolidates

NEW YORK, N.Y. The Reinhold Publishing Corporation, which publishes *PROGRESSIVE ARCHITECTURE*, will consolidate with Medical Economics, Inc., of Oradell, New Jersey, publisher of medical magazines and books, subject to the approval of the stockholders. Both companies will operate as wholly owned subsidiaries of a new parent corporation: Chapman-Reinhold, Inc. It is expected that the new corporation will have an annual sales volume of more than \$20,000,000 and that the consolidation will broaden and deepen the editorial, marketing, and information services available to readers of and advertisers in the companies' publications. As part of the reorganization, P/A's publisher, Philip H. Hubbard, Jr., has been made a vice-president of Reinhold; he will also sit on the board of directors of Chapman-Reinhold, Inc.

## How Does Your Garden Grow?



Photo: D. P. A. Pictorial

VIENNA, AUSTRIA. Mary may have been contrary, but she never let her garden grow in a 130'-high cylindrical greenhouse. If she had, Othmar Ruthner, who has built 11 of these tower-greenhouses in

West Germany and Austria, might point out that she could have raised a lot more than just silver bells and cockle shells. One gardener can handle the work in each greenhouse. Arranged on vertical conveyor belts, plants are raised and lowered to receive water, fertilizer, insect spray, and weeding. The tower's façade of translucent polyester is said to concentrate available light, even when the sun is low in the sky. And at night, the structure gives off a neon glow.

Ruthner, head of a firm that puts up acid-pickling towers for steel mills, branched out into greenhouse towers two years ago. He now has orders for similar towers in Norway, Switzerland, and Canada. Although they are expensive to put up, more expensive than a conventional greenhouse, 50 per cent of the available space can be used for plants, five times as much as in a conventional structure.

He sees his towers, in modified form, being used aboard nuclear submarines, in outer space, or in rigorous climates here on earth. With its controlled climate, a tower greenhouse, or a bevy of them, could produce an almost continuous vegetable harvest.

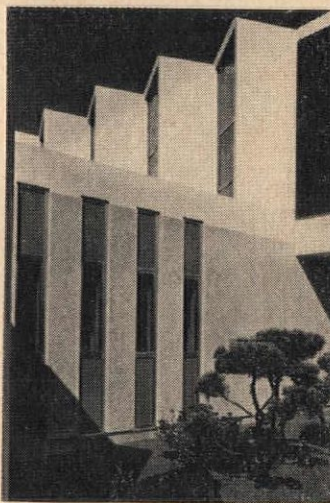
## Penn's Institute for Environmental Studies

PHILADELPHIA, PA. The University of Pennsylvania's newly opened Institute for Environmental Studies is concerned with the nature and control of man's environment. Formed as an amalgam of the school's Institute for Urban Studies and its Institute for Architectural Research, the emphasis of its research is architectural, but it is also more than that. Within the Institute, researchers are now, or soon will be, at work on such problems as urban social policy planning, natural sciences in regional planning, civic design, and urban studies. Dr. Gerald A. P. Carrothers, professor and former chairman of city planning at Penn, who heads the new Institute, says that its work will not compete with that of architects, landscape architects, planners, or with private industry. At the same time, he hopes that it will provide a working center for integration

of various disciplines. "I see the creation of the Institute for Environmental Studies as another step forward in breaking down traditional boundaries between various scholarly and professional concerns with environment." Dr. Carrothers said recently. "Research on man's environment and its control can no longer be carried on effectively along tra-

ditional academic departmental lines. The necessity for integration and coordination of activity was a primary purpose underlying the Institute's establishment." Working at the Institute this fall are Dr. Haim Darin-Drabkin, research director for Israel's Ministry of Housing, and Piero Maria Lugli, professor of architecture at the University of Rome.

## Multifaceted Medical Center



CHICAGO, ILL. A medical center project in which the architects were told "to discard the sterility of appearance commonly associated with hospitals and to provide a spacious, comfortable pleasant environment for both patients and staff," has not been entirely successful. Although the Olivia "Peg" Baustsch Memorial Medical

Center's two interior sunken garden courts give the first floor interior momentary relief from the sterile functionalism a hospital must have, the exterior does not really escape an institutional look. Nor is the look particularly warm or inviting. Architects Burgess, Stevens & Associates have avoided a crisp angularity, and have achieved a pleasing juxtaposition of curving wings with a sawtooth pattern of second-floor fenestration. But the effect is defeated in front, where the entrance is made uninviting by a lowering overhang supported by two spindly round pillars. And though the sawtooth fenestration may be a pleasing shape, it only accents the interior cell-like arrangement. The dark blue pearl granite of the overhang's façade reiterates the blue gray brick of the rectangular windowless façade of the second-floor area in the rear, yet it merely darkens the overhang's

Photos: Orlando R. Cabanban



beating brow.

Perhaps the use of white quartz aggregate precast concrete on the first-floor wings and around the second-story fenestration also heightens the institutional look.

## No Matter How You Play, It's Still Trivia

Trivia, a game any number can play, is perhaps more symbolic of a desire to escape into the past than it is of the new leisure. As a player, you have 10 seconds to provide answers to such esoteric questions as, "What was the name of Dale Evans' horse?" (Buttermilk). Or, "What was Betty Boop's real name?" (Helen Kane).

In the editorial offices of P/A, Trivia has taken a predictably architectural turn. When asked to name five movies whose main characters were architects, and supply the names of the actors who played them, P/A's editors came up with seven. Here they are: *Strangers When We Meet*, Kirk Douglas; *The Agony and the Ecstasy*, Charlton Heston as Michelangelo; *The Moon Is Blue*, Barry Nelson; *The Fountainhead*, Gary Cooper; *Claudia and David*, Robert Young; *L'Avventura*, Marcello Mastroianni; *The Girl in the Red Velvet Swing*, Ray Milland as Stanford White. Can you think of others?

## Obituaries

The Office of RINO LEVI in São Paulo, Brazil, has informed us of the architect's recent death.

## PERSONALITIES

**Ada Louise Huxtable**, architectural critic of *The New York Times*, won the Newspaper Women's Club Front Page Award for her feature article, "Staten Island's Beauty Losing to Builders". . . . **Alan Burnham** will succeed **James Grote Van Derpool** as executive director of New York City's Landmarks Preservation Society. Van Derpool, formerly associate dean at Columbia's School of Architecture, has been executive director since the establishment of the commission in 1962. Burnham was formerly with the New York

firm of Shanley & Sturgis, and joined the commission last September. . . . The American Institute of Steel Construction has announced its new officers: **J. Philip Murphy**, president of Murphy Pacific Corporation, president, and **Eugene J. Pidgeon**, vice-president of Pidgeon-Thomas Iron Company, as vice-president. . . . **Dr. Ira Miles Robinson**, past project director for the San Francisco Community Renewal Program, will head the University of Southern California's Graduate Program in City and Regional Planning. . . . **Ruth McAneny Loud** has become the first lady to fill the chair of president at the New York Municipal Society. She is the director of the Development Office of the Museum of the City of New York and the author of "New York! New York!" **August Heckscher**, director of the Twentieth Century Fund and a member of the society's board, will succeed Loud as vice-president.

. . . **Joseph A. Gascoigne** has been named executive director of the Construction Specifications Institute. He is presently the executive director of the Air Traffic Control Association in Washington, D.C. . . . Porcelain Enamel Institute has named **Robert F. Hastings**, president of the Detroit architectural and engineering firm of Smith, Hinchman & Grylls, and **Frank Montana**, partner in the South Bend (Indiana) firm of Montana & Schultz and head of Notre Dame's Department of Architecture, to the Institute's Architects Advisory Council. The new members will replace Morris Ketchem, Jr., and Philip Will, Jr., and will serve along with remaining members Harris Armstrong and Ralph E. Myers. . . . Past AIA president **John Noble Richards** has been elected — by a 2-to-1 margin — mayor of Ottawa Hills, a residential community west of Toledo, Ohio.

## The Eucalyptus by the Highway

SACRAMENTO, CALIF. The State of California has contracted to spend \$429,796.45 to beautify a little under 6 miles of the San Diego Freeway. This comes out to \$70,000 per mile of road beautified, and means that, with the \$6,000,000 Cal-

ifornia planned to spend last year on road beautification, it could improve only some 80 miles of highway. Still, it is a praiseworthy start. Just what is beautification? For the San Diego Freeway, it means the planting of 18,000 shrubs, 4000 trees, and nearly 1,500,000 ivy and ice plants.

California limits funds that can be made available for

landscaping by law. And in the last session of the legislature, the amount was raised by about 50 per cent. In 1966, the highway beautification budget for the state is expected to be \$10,000,000.

Recently announced was the appointment of a three-man committee to coordinate the highway division's beautification efforts.

## Out of Sight But Not Out of Mind



Photo: Louis Checkman

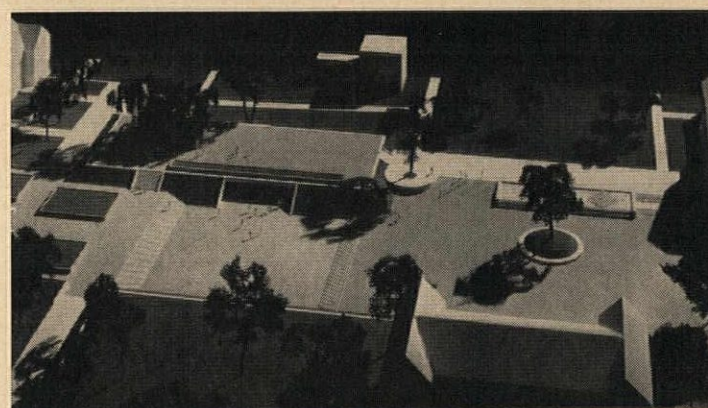
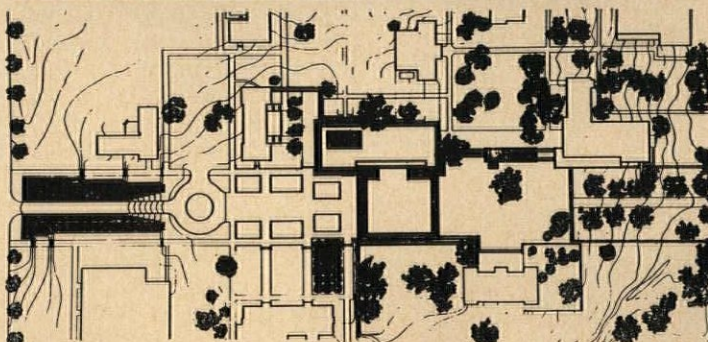


Photo: Louis Checkman



CONWAY, ARK. With about 600 students, Hendrix College has little to distinguish it in an era when education has distinctly gone Big Time. But it will soon have at least one distinguishing feature: an underground library. Although several universities have buried or are planning to bury parts of libraries — the University of Illinois, Yale, and Princeton are examples — Hendrix is believed the

first college to plan on putting its entire library below ground. A \$20,000 grant from the Educational Facilities Laboratories will help with the project, which must solve problems of access and ventilation. It is hoped the experience at Hendrix can produce guidelines for other institutions with similar needs.

In drawing up plans for the library, architect Philip John-



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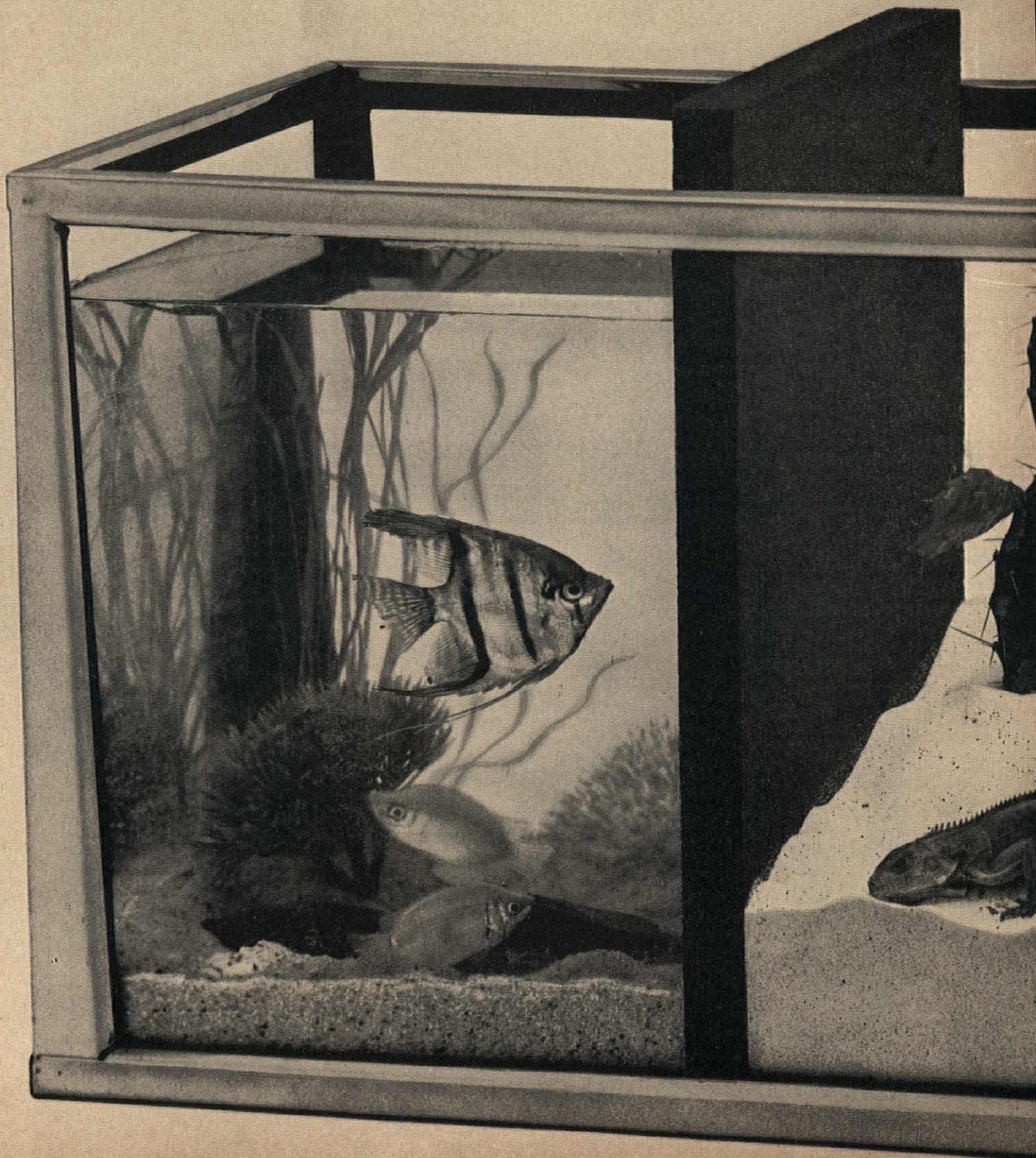
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son quickly saw that an above-ground building would eat up what little open space remained in the center of the campus. It would also block the view from one end of the campus to the other. Instead, he decided to place it underground and arrange around it, above ground, a series of interconnecting, carefully defined exterior spaces. These spaces, on

several grades, are marked by earth berms, defined by concrete edges, and extend to the entrance of the campus, which they form. The library itself is expressed by an earth berm, fronted by a brick-paved plaza with raised planting areas. Working drawings and construction supervision will be provided by Wittenberg, Delony & Davidson, Inc.

### Checkerboard Square

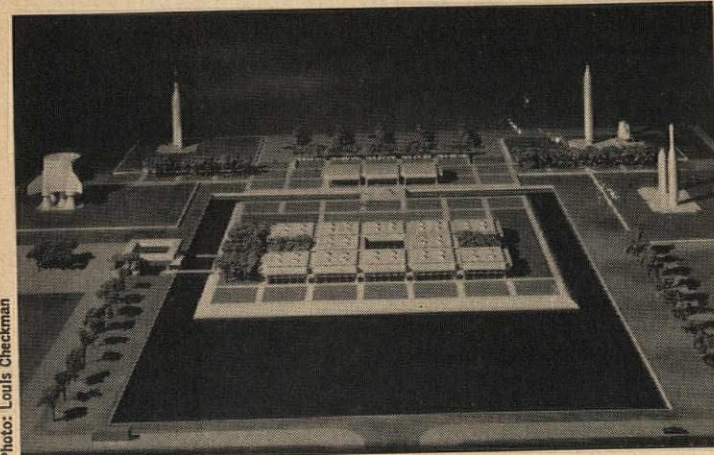
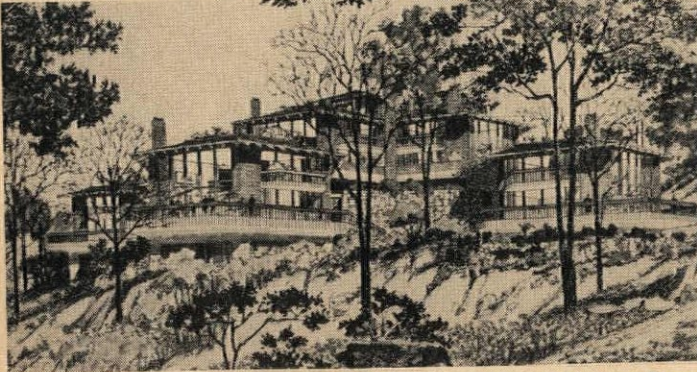


Photo: Louis Checkman

MERRITT ISLAND, FLA. A Welton Becket & Associates design has been chosen by the National Aeronautics and Space Administration for its Visitor Information Center at the John F. Kennedy Space Center. The single-story building will sit on a 400'x400' podium set on an island and fronted by a 250'x500' reflecting pool. The Information

Center will have reinforced, textured concrete columns and beams with an exposed waffle slab concrete ceiling. Becket finds his design ample for the millions of visitors expected annually. He goes on to say, "The off-white, completely modular, strong-yet-inviting concrete structures will contrast with the warm, solar bronze glass."

### The Many Sides of Merrywood

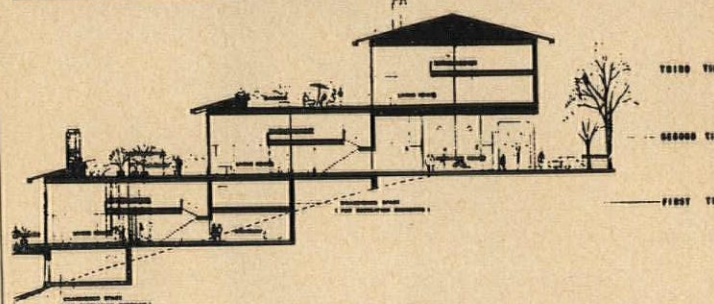
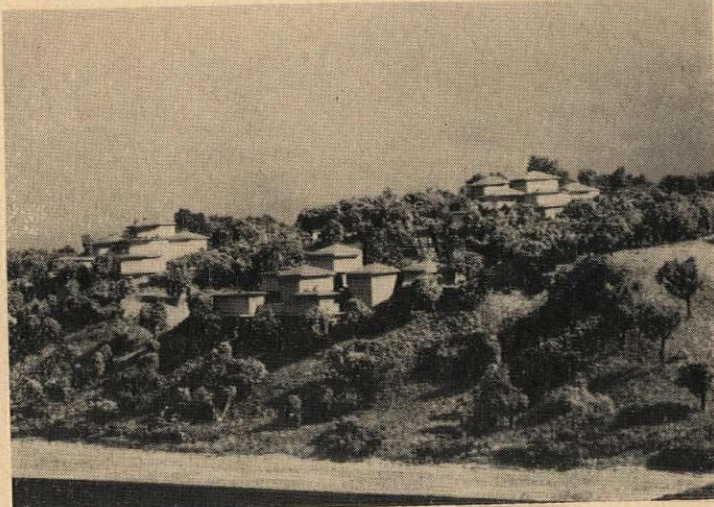


WASHINGTON, D.C. On the south bank of the Potomac River, only 10 minutes from the White House, stands an estate with parklike grounds: Merrywood. Its present owner, mortgage banker C. Wyatt Dickerson, plans to develop the estate, creating 46 manor houses arranged in clusters of 6 to 9 to take advantage of the site. Keeping the existing manor

house, architects Victor Gruen Associates plan one cluster on each of six promontories overlooking the parklike surroundings and the river. Gruen designed the houses with two basic floor plans. "One is a hexagonal manor house," he says. "The other is an octagonal house. Each manor house will be two stories high and some will have two-story living

rooms. The individual manor houses follow the topography as closely as possible. They will be placed in archlike groupings

the turn of the century. When completed, Merrywood will be a condominium arrangement in which each resident owns his

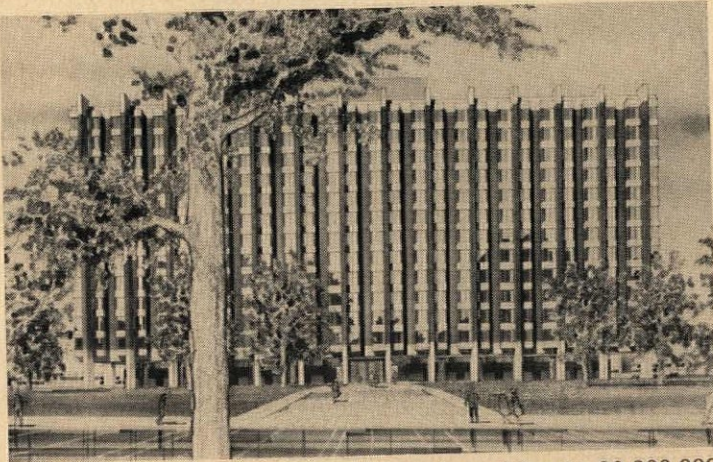


next to each other and in three tiers, one above the other." Although the manor houses are grouped in three tiers, with the roof of one serving as a garden of the one above, these roofs have wide overhangs so that the house and garden beneath are not visible from above.

own home and shares ownership of the grounds. Swimming pool, tennis courts, a footpath system and bridle paths will be all jointly maintained. Each house will sell for \$125,000 or more. It remains to be seen whether persons who can afford to pay that much for a house would not prefer to spend the same money for a privacy that the cluster arrangement can only approximate.

Inspiration for the project stemmed from the realization that even the very rich today cannot afford to live in and maintain the gracious estates of

### Provident Providence



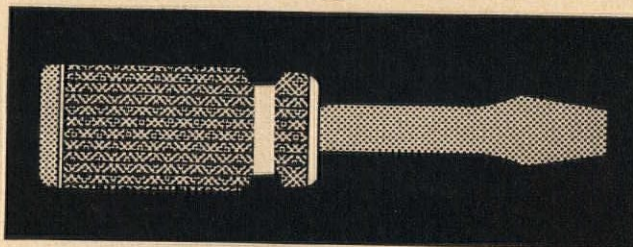
PROVIDENCE, R.I. This 13-story, 192-unit, concrete and aluminum apartment building designed by Curtis & Davis is the

first planned for the 20,000,000 Weybosset Hill residential and commercial development in downtown Providence. Spon-



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sored by The Reynolds Metals Development Corporation and Gilbane Building Company, the total project will include this large apartment structure (to be finished in early 1967), several smaller apartment build-

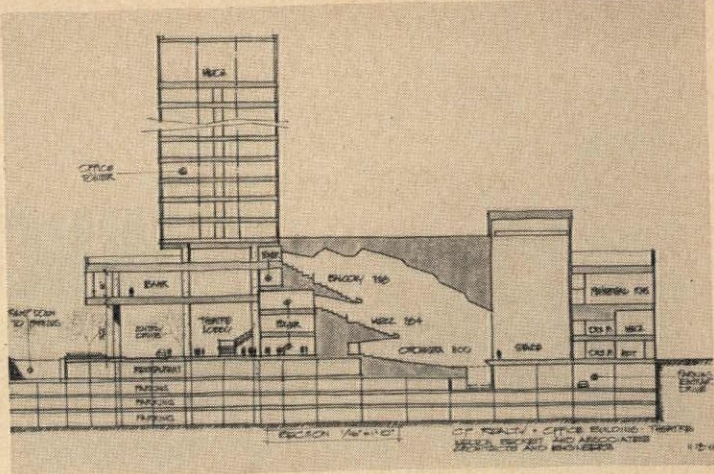
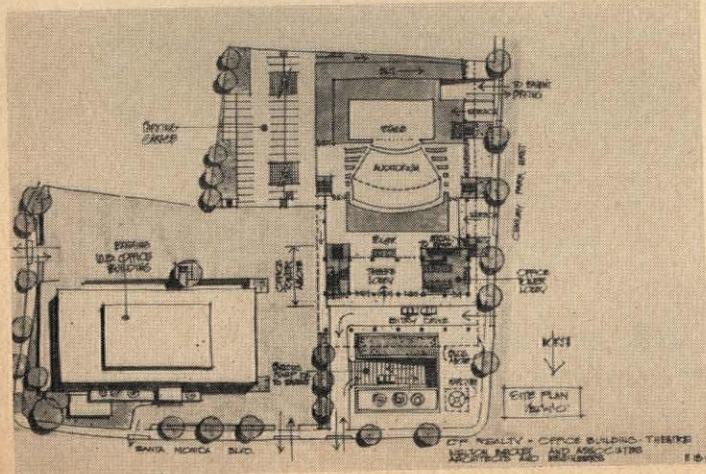
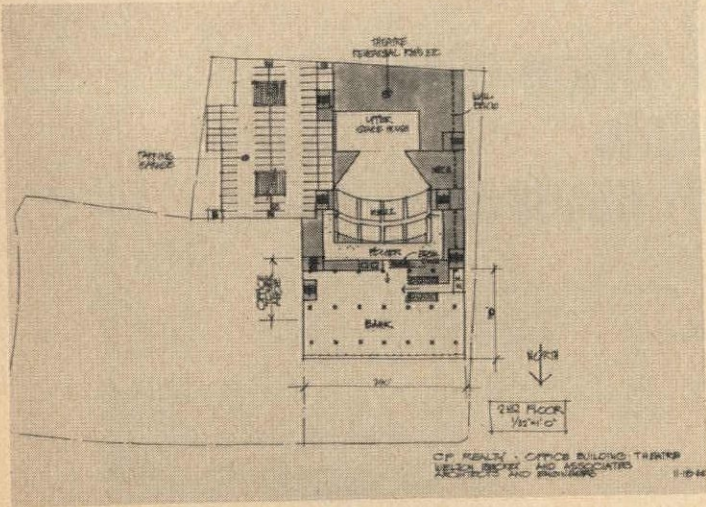
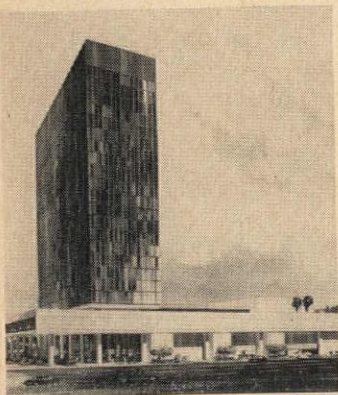
ings, 80 town houses, two office buildings, a service station, and a 250-unit motel. When finished, it will be possible for a man to work, live, gas up, and bed down in-laws on the same 13-acre plot of land.

# Just One of Those Things

LOS ANGELES, CALIF. What would you say would be a fitting testimonial to the late Cole Porter: a sophisticated musical theater in his adopted home town of New York; a chic restaurant on the Place Vendome; a sleek block of flats in Mayfair; a posh marina at the Lido in Venice; an

exclusive hostelry at Juan les Pine; or an auditorium behind a high-rise rental office building in West Los Angeles, California? The whirring sound you hear from the direction of the great man's place of interment announces that it is the last-named edifice.

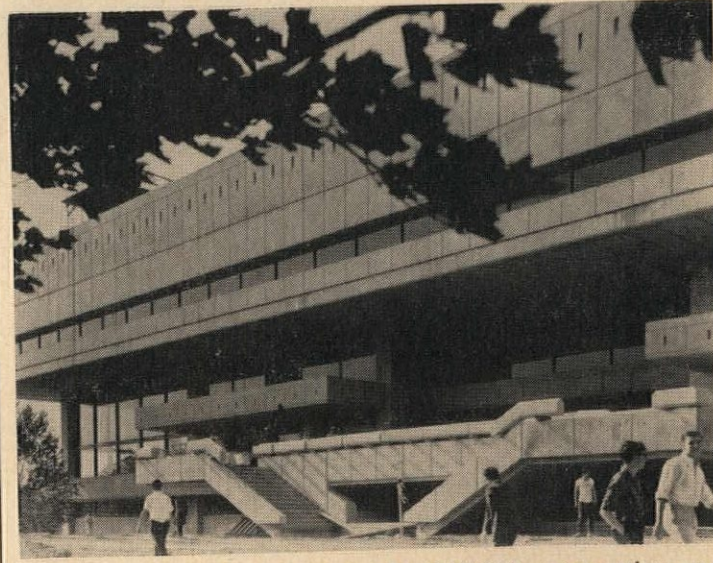
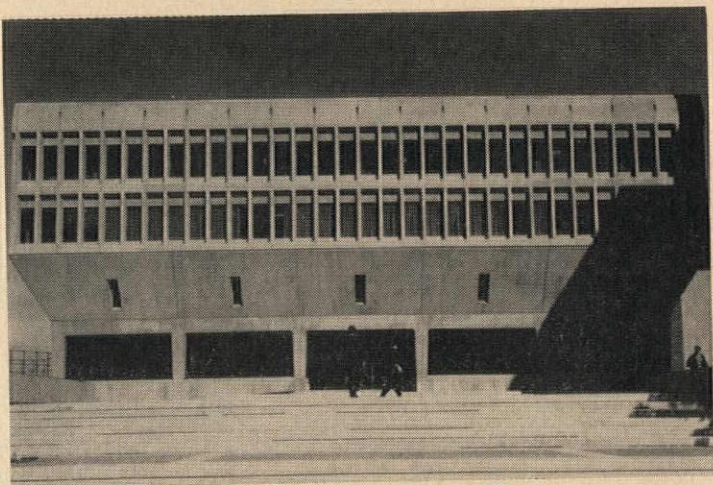
A group called—believe it or not—Coleporter Corporation, which will put on plays in the auditorium, is pushing the Welton Becket design shown here. In front, on Santa Monica Boulevard, next door to the existing Welton Becket home office building, will be a ground-floor bank beneath the office rental floors, and, in place of a porte cochere, a vomitory to underground parking. The Cole Porter Theater (or is it Coleportertheater?) will be at the rear on Century Park East (this is all in Cen-



tury City). It's all a very neat and glossy concept, bringing to mind Hollywood's translations of Porter's musical comedies—they always got the

surface slickness and missed the point completely. One can imagine the sardonic comments with which Porter would have greeted this tribute

# Monuments for MIT

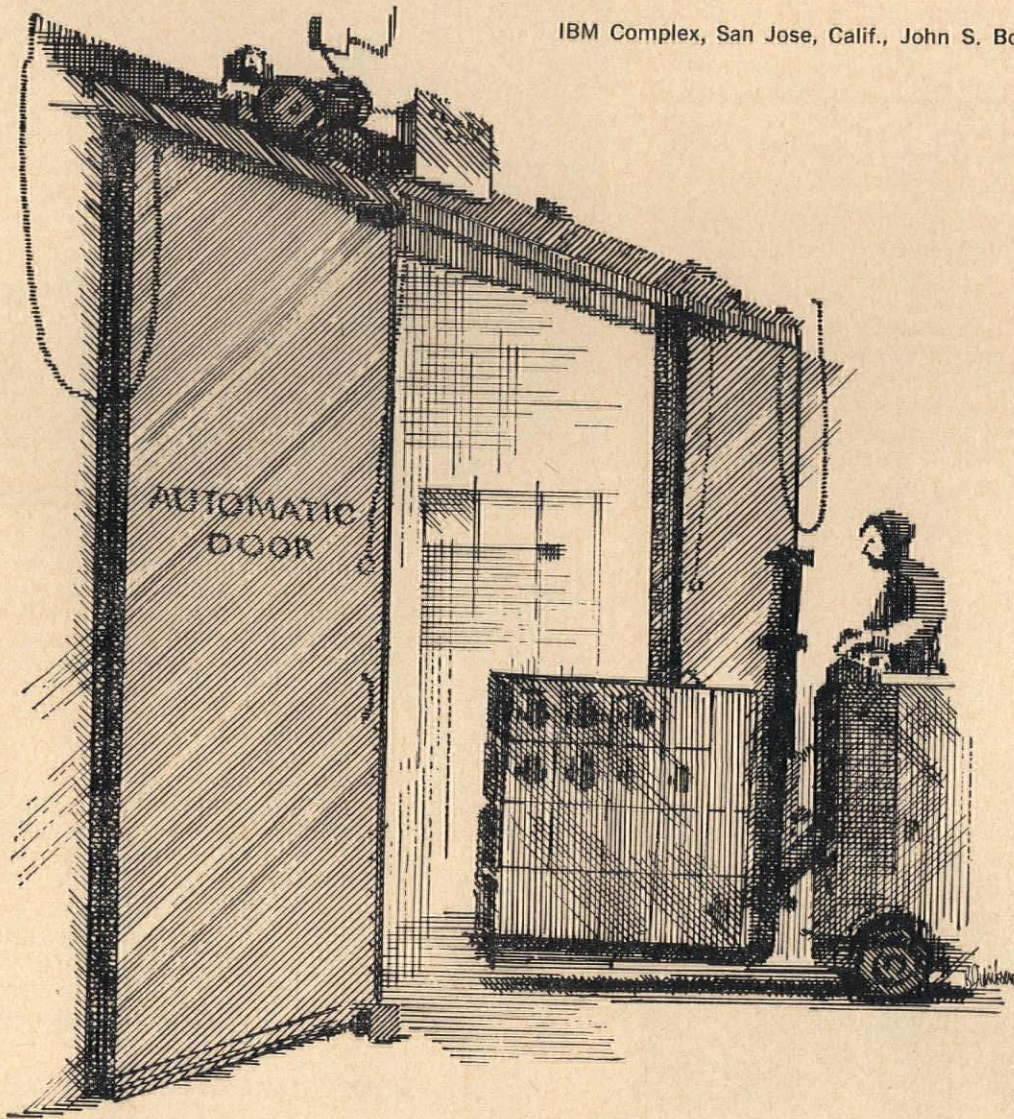


CAMBRIDGE, MASS. Professor of Architecture Eduardo Catalano has been a presence on the MIT campus for the past three years—teaching and building. The first two of three buildings he designed in association with Robert C. Brannen and Paul Shimamoto for the

\$50,000,000 construction program at MIT are now up. The Julius Adams Stratton Building and the Grover M. Hermann Building both use a top-heavy concrete-over-glass technique. This massiveness Catalano believes is symbolic of the time we live in—a time of man's de-



IBM Complex, San Jose, Calif., John S. Bolles (AIA), Architect



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fiance of gravity. Construction on the third building, the Eastgate Apartment Tower, a 30-story apartment building for

faculty and students, will begin soon. If it follows in the vein of these two MIT designs, the university will be fortunate.

## New York Landmarks Threatened

NEW YORK, N.Y. The passage in New York last winter of a landmarks preservation bill sparked a host of rapid real-estate transactions. Many owners of valuable historic or architecturally significant buildings, realizing these structures might be designated as landmarks under the bill's provisions and thus protected (at least on their exteriors) from change, tried to sell to commercial developers.

interiors.

Another seriously threatened landmark is the Morgan house, at 37th Street and Madison Avenue in the heart of Manhattan's Murray Hill district. Built in 1853 for Issac Newton Phelps, a then-prominent New Yorker, it was sold to J.P. Morgan, Sr., in 1906, and finally purchased from the Morgan family by the Lutheran Church in 1944 for \$250,000. Although the architect is un-



In late September, the Landmarks Commission held public hearings on 28 buildings it thought most immediately threatened. Among these is the Metropolitan Opera House, recently sold to a developer who hopes to put up in its place a multistory office building. The Met's fate is especially precarious. For one thing, Anthony A. Bliss, president of the Metropolitan Opera Company, has argued compellingly that the Met be allowed to sell its old structure to help pay off the debt of the new one in Lincoln Center for the Performing Arts. For another thing, the old Met, designed in 1883 by J. C. Cady, has little exterior distinction. Ground-floor spaces have become small, leased variety shops, complete with anonymous 20th-Century storefronts. Its grandeur, much like that of a pleasant but homely girl, lies on the inside. Unfortunately, the landmarks law does not officially recognize the significance of architectural

known, the house was built in a Anglo-Italian style and has since undergone Edwardian alterations. It is the last remaining mansion of its type standing on its own land in Manhattan.

Perhaps its greatest architectural significance is the homogeneity it brings to the neighborhood. Located between the Morgan Library to the south—designed by McKim, Mead & White between 1900 and 1906 to hold Morgan's library collection, which filled the basement of his house until, in the words of Morgan's nephew, "it became so crowded that it was difficult to get into it"—and the National Democratic Club, across 37th Street to the north (designed by C.P.H. Gilbert in the French Renaissance Eclectic style in 1905), the Morgan mansion is an integral part of the blockfront. To put up an 11-story office building in its place, as the Lutheran Church proposes, would destroy the collective harmony of the block



and detract from the individual distinction of the other two buildings.

On December 2, the Landmarks Commission designated

the Morgan house a landmark. According to the law, any change in its exterior will have to be approved by the Landmarks Commission. And it is hoped that the Lutheran Church will accept the offer of Edward R. Bernard, secretary of the Murray Hill Community, Inc., who guaranteed to find the church rental office space.

Also, on December 2, some 50 blocks of Brooklyn Heights were named the city's first "historic district." The area contains about 1000 residential structures, many dating back to the 19th Century.

## St. John and the Dragons

NEW YORK, N. Y. When John V. Lindsay was elected mayor of New York City, many people responded as if they had been found by a Moses who would lead them out of the wilderness. Now that he has taken office (on January 1), he has 4 years, not the 40 Moses took, to find some answers to his people's pressing problems. Not the least of these problems is architectural.

In December, Lindsay and his recently appointed Parks Commissioner, Thomas P. F. Hoving, 34, met with A & P heir Huntington Hartford to discuss Hartford's gift of \$862,000 to the city. It is earmarked for construction of the highly controversial, highly questionable Hartford Pavilion in Central Park (see p. 51-52, JUNE 1965 P/A), a building both Hoving (who was formerly curator of the Cloisters, the medieval branch of the Metropolitan Museum of Art) and Lindsay have said flatly they oppose. Still, in December, they met with Hartford to

discuss the use of his funds, on deposit with the city since 1960. Hoving and Lindsay want the money used for pocket parks throughout the city and said so. Hartford, who still relishes the idea of a sidewalk café, offered to modify the design, making it a one-story structure that would not jut above the park at its southwest corner location opposite the Plaza Hotel. The roof could be a restaurant area, suggested Hartford, who evidently does not see that the objection is to having a structure like that in the park at all, no matter what its size. Lindsay and Hoving were not excited by the proposal but offered to think it over. It was an inauspicious start.

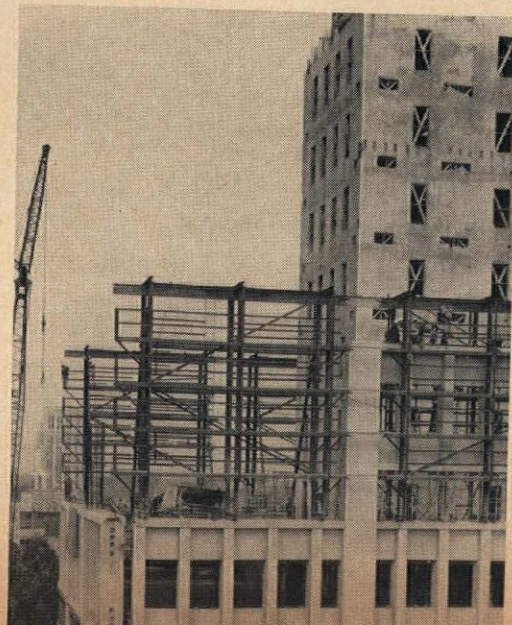
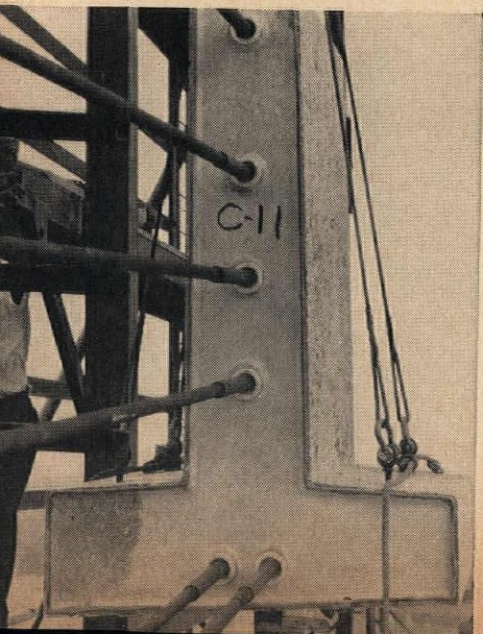
During the election campaign, Lindsay spent an evening before the New York Chapter of the AIA answering architectural questions. Parts of his general statement are repeated here both as a reminder of what was said in the heat of battle and for whatever





NORTH CAROLINA MUTUAL LIFE INSURANCE BUILDING, Durham, N.C. Architects: WELTON BECKET AND ASSOCIATES, New York, N.Y. Associate Architects: M.A. HAM ASSOCIATES, INC., Durham, N.C. Consulting Engineers: SEELYE, STEVENSON, VALUE & KNECHT, New York, N.Y. General Contractor: REA CONSTRUCTION COMPANY, Charlotte, N.C. Precast, Prestressed Concrete: CONCRETE MATERIALS, INC. Charlotte, N.C.

Below left: Precast top and bottom chords, alternating with vertical members, are threaded into place on the stressing rods. Below right: A temporary monorail conveyor receives the precast units from a crane at a corner of the building, then moves them into position in the truss. Using two monorail systems, the contractor erected two complete floors of four trusses every three weeks.



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"In the housing field the City has settled for stereotyped design of the most depressing sort. This need not be the case. One need only consider programs in London, Stockholm, Philadelphia, San Francisco, and countless other cities to realize that New York has been callous in its concern for the quality of shelter. It is not the cost per square foot; it is the underlying attitudes and assumptions about the way people live that is at fault. Public housing should not be a reminder of how grim life is, but rather how rich, how varied, how ever changing it can be. Our public housing will never respond to the richness and variety of life until we rid ourselves of obsolete notions about how people should live and replace them with realizations of how they do live. If we are to make our public housing projects into neighborhoods, we must allow for spontaneity; we must include within their borders, shops, markets, and recreational facilities geared to the specific needs and desires of the residents. We must have no more 'dormitory stockades' segregated from the rest of the City and separated from all the nonresidential activity so necessary for active neighborhood life. We must stop considering housing as separate from the over-all city planning process. We must think no

more in terms of housing projects, and begin to think once again about neighborhoods."

## Looks Good, Works Well

NEW YORK, N.Y. The *Wall Street Journal* has spotted a verity—one architects have long preached—that attractively designed factories are increasingly in demand by corporate clients. A December 1 front-page article, "A Thing of Beauty . . . Handsome Factories Yield Unexpected Joys," declaimed that "more and more companies now are considering aesthetics along with utility when they build plants. The results are surprising." One of the indications of this trend, says the *Journal*, is *Factory* magazine's annual contest to pick the nation's 10 top plants on the basis of beauty and efficiency, which this year had 1500 entries, up from 940 in 1960.

Interviews with factory managers and employees disclosed to the *Journal* that, in pleasant surroundings, "labor productivity is above average, absenteeism is down, and workers with hard-to-find skills are more easily recruited." While it is regrettable that the news is reaching the *Journal* and its readers so late, it is encouraging that it has reached them.

The concern with aesthetics is not, of course, due to increasing affluence; it is the result of clients discovering that good architecture costs no more than bad.

## Live and Learn

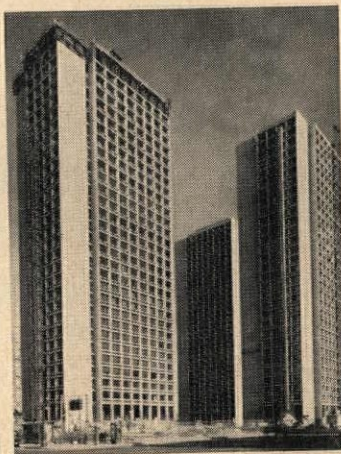


Photo: George Cserna

NEW YORK, N.Y. Looking even more handsome than they did in model form (see p. 93,

OCTOBER 1964 P/A), the three 30-story apartment towers designed by I.M. Pei & Associates for New York University were topped out in early December. Occupancy is expected by the fall of 1966. Although the buildings form a carefully related unit, two of them are being developed by the Dormitory Authority of the State of New York for NYU faculty, staff members, and students, and the third is a cooperative apartment for the public, developed under the New York City Housing and Redevelopment Board, with NYU as sponsor.

The façade of each building is of exposed reinforced concrete, cast in place. Cost of the project, which will provide 535 apartments, is estimated at \$12,000,000.

## "Bruce Cleanboard, Boy Architect"

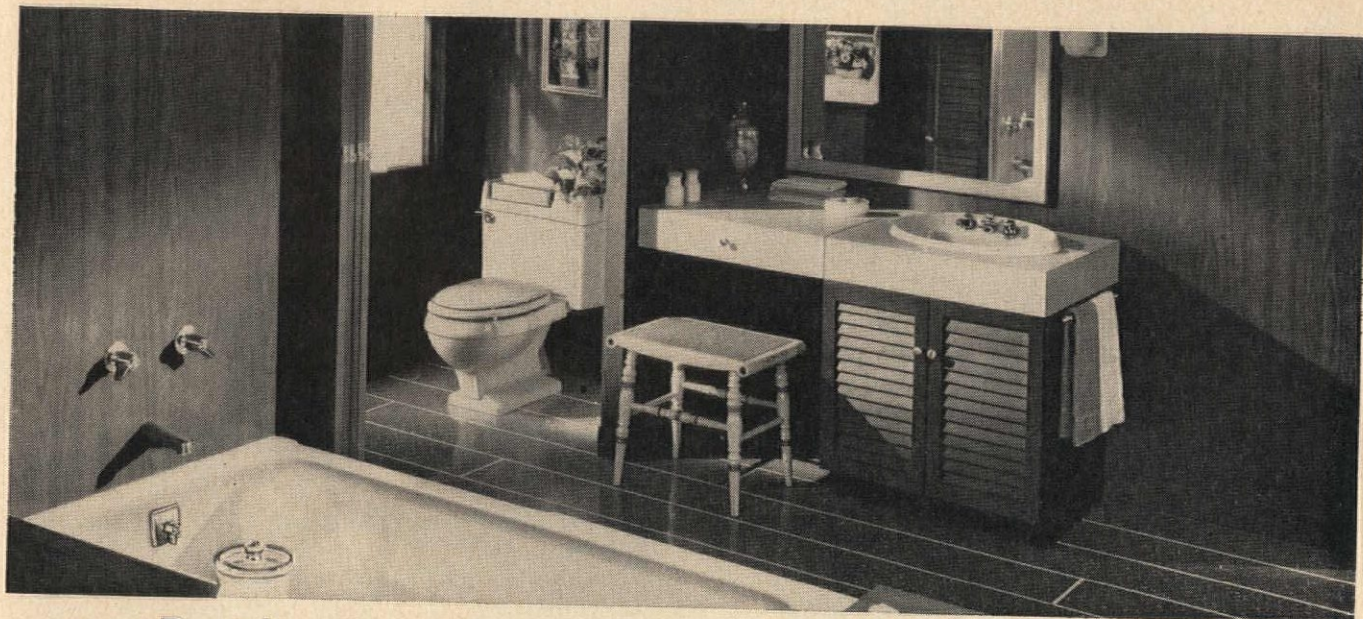
TV series, like buildings, are often produced to formula. One of the most successful series has been the kind where a young, fiercely idealistic professional man upholds ideals, revives jaded spirits, and breaks an occasional heart. He is ably and wisely assisted by an older, well seasoned mentor. It has worked well for Drs. Casey and Kildare and for schoolteacher Mr. Novak. Why couldn't it work for an architect? In hopes someone wants to try, here are some suggested problem plots, coupled with a list of the chief characters and the actors who should play them. Plots: Architect contracts to design a suburban home. Housewife decides to be co-designer. . . . Or, architect is hired to design a suburban home. It turns out he is to work closely with an interior designer. . . . Architect gets a commission for a major office building from a prestigious corporation. The chairman of the board is a woman . . . Architect is selected to serve on city planning commission with a corrupt politician, who wants to know "How much can we make out of a change in the building code?" . . . In an attempt to express mechanical equipment as a design element, architect inadvertently integrates the plumbing stack and the air distribution system.

. . . Architect designs a trend-setting, high-rise building for a corporate client, who accepts his plan, but wants to have the corporate logo "up here at the top in two-story high neon letters." Cast of characters: architect, Ricky Nelson; his older mentor, Frederic March; lady house client, Margaret Rutherford; interior decorator, Bea Lilly; titan of industry, Ed Begley; union chief, Peter Falk; kindly old head draftsman, Walter Brennan; lady business tycoon, Joan Crawford; boss's secretary (love interest), Sandra Dee; inspiring design prof back at architectural school, Paul Muni; corrupt politician, Broderick Crawford; head of school board, Paul Ford; lady saleswoman from Consolidated Materials Limited who tries to get him to substitute specified items, Elizabeth Taylor; building department aide asking for pay-off, George Raft.

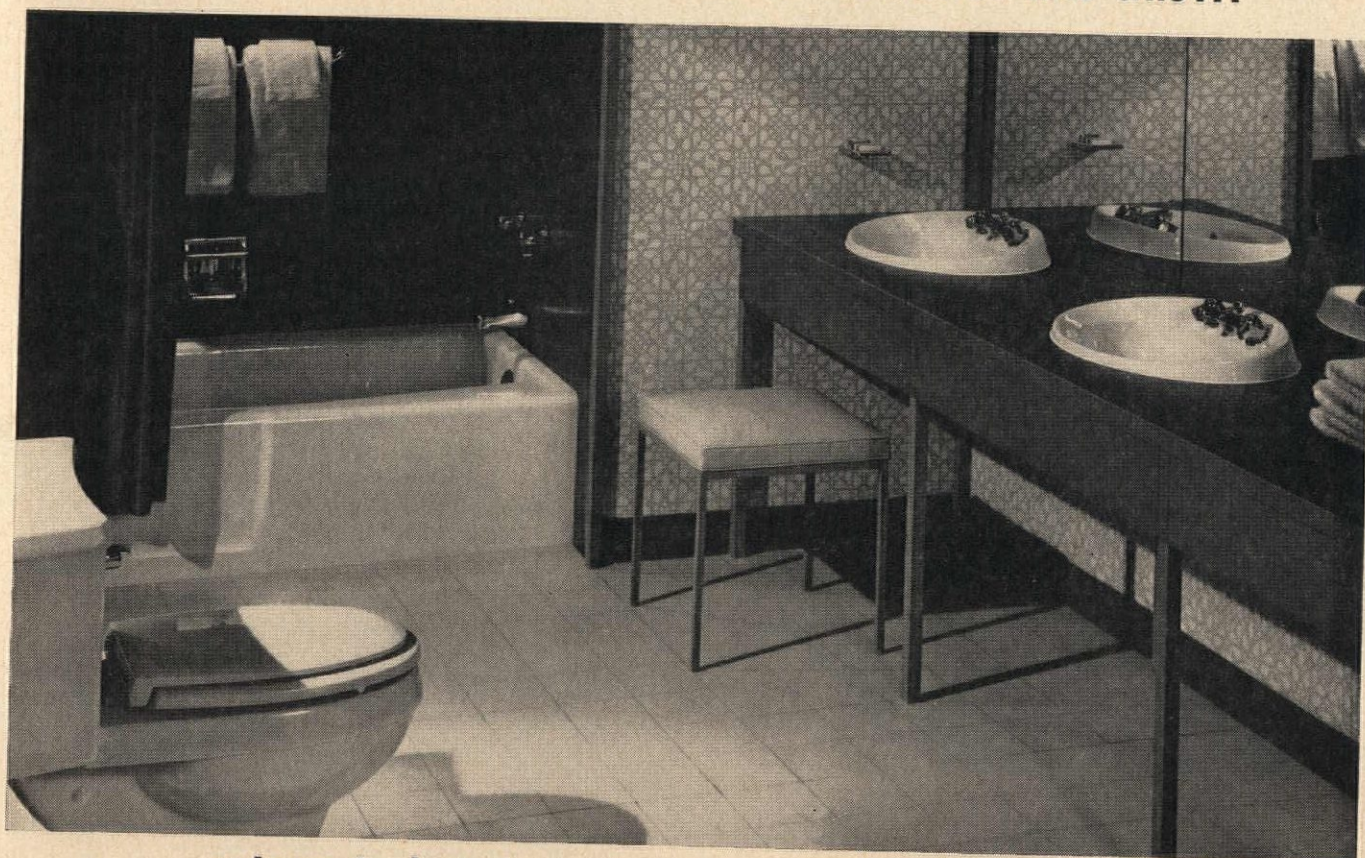
## Awards

Houston architectural firms Golemon & Rolfe and Pierce & Pierce, have received the Texas Society of Architects annual award for "excellence of design" for their FAA Control Center at Houston's Intercontinental Airport. . . . Temple Shalom, Norwalk, Connecticut, designed by Oppenheimer, Brady & Lehrecke, New York architects, has received the ABCD (Association for Better Community Design) award for being the best designed building constructed in Norwalk in 1965. . . . The American Association of Nurserymen has awarded prizes to the winners of the nationwide Industrial and Institutional Landscape and Beautification competition. National "Plant America" awards went to Ampex Corporation, Redwood City, Calif., by John Carl Warnecke & Associates; Carousel Towers, Inc., Cincinnati, Ohio, by Thornton Landscaping; Landmark Motor Lodge, Winter Haven, Fla., by Holmes Nursery; Michigan Bell Telephone Co., Southfield, Mich., by Eichstedt-Johnson Associates; The Procter & Gamble Co., Winton Hill Technical Center, Cincinnati, Ohio, by Richard E. Grant; Bayfront Center, St. Petersburg, Fla., by Harlow C. Landphair; Civil Service Commission Building of Washington, D. C., by Sa-





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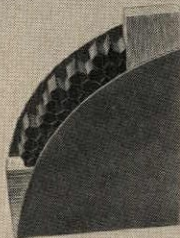
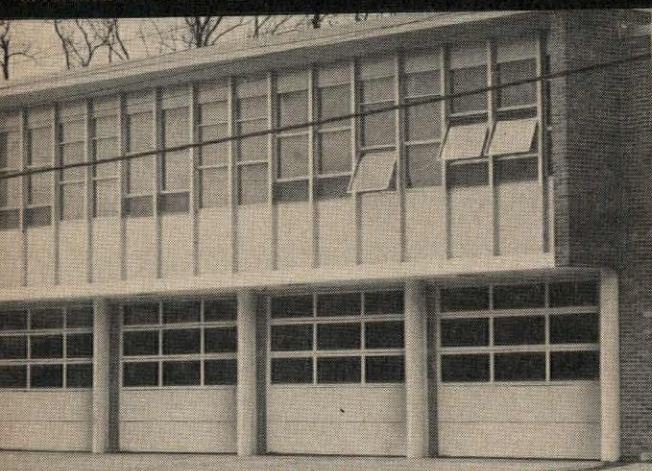


## CRAWFORD'S MODEL NO. 766 INDUSTRIAL DOOR GIVES MORE DOOR FOR THE MONEY



BELOW: After three years service, appearance and operation of 8 Crawford Model No. 766 Industrial Doors in Pensacola's Central Fire Station are just like new.

ABOVE: A battery of Crawford Model No. 766 Industrial Doors in a warehouse of Thompson, Ramo, Woolbridge, Inc.



120 DEAD-AIR CELLS PER SQUARE FOOT throughout the entire honeycomb core in every Model No. 766 door section give excellent insulation and provide sturdy support for the inside and outside "skins" of tempered hardboard.

saki, Dawson, DeMay; Hillel School, Cedarhurst, N.Y., by M. Paul Friedberg & Associates; National Geographic Society of Washington, D. C., by Boris V. Timchenko; the World's Fair Spanish Pavilion, by M. Paul Friedberg & Associates; Rocky Reach Dam, Wenatchee, Wash., by John B. Strander. Nineteen additional awards were made. . . . David Rockefeller has received the 1965 Award of Merit from the New York Chapter, AIA, for his leadership in revitalizing downtown Manhattan. The award, made only three times previously, commends Rockefeller for "demonstrating what a private citizen can do to give beauty, life, and new hope to their cities." Past recipients were James Felt, O.H. Ammann, and Lewis Mumford. The National AIA lauded the citizens of Hartford (Connecticut) and Urbana (Illinois) for their Constitution Plaza and Lincoln Square, respectively. The award, "Citation for Excellence in Community Architecture," was begun early this year. No single building can qualify for a citation. The purpose of this AIA award is to recognize a city's effort and success in creating liveability.

### Competitions

The Department of Defense has authorized a national competition for the design of a community center incorporating a fallout shelter. The contest, conducted for the government by the AIA, will offer a \$15,000 first prize. Copies of the program and registration forms can be obtained by writing A. Stanley McGaughan, Professional Advisor, National Fallout Shelter Design Competition, 1341 New Hampshire Ave., NW, Washington, D. C. 20036. . . . The NIAE has announced the Owens Corning Fiberglas Decorative and Home Furnishings Division contest for the design of an experimental elementary school. Entries must be executed in any consecutive five weeks prior to May 1, 1966, and mailed to meet the deadline of May 20. The contest is open to all fourth- or fifth-year design students and to others who are under 30 years of age. For further details and information, write NIAE, 115 East 40th Street, N.Y. 16, N.Y.

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### Strength, rigidity, insulation plus lifetime warranty on hardboard "skins"

Crawford's Model No. 766 Industrial Door is ideal for many installations because it is thrifty to buy, practical and durable in use, light enough for manual operation even in the larger sizes and accepts all automatic accessories. It's available in any size up to 25 ft. x 16 ft. Being flush both sides it combines perfectly with all styles of architecture and is the easiest of all doors to maintain because it is so easy to paint.

### UNITIZED CONSTRUCTION IS THE SECRET

Unitized construction—the art of combining component parts so that they become a single unit—gives the Crawford Model No. 766 door a unique combination of features.

**FRAME:** Select-quality, seasoned, edge-grain lumber, precisely machined to dimension.

**CORE** is a continuous honeycomb web of waterproof, plastic-impregnated fiber which cannot absorb moisture or harbor insects, fungus, dry-rot. This web has 120 dead air cells per sq. ft. and supports the outside "skins" at every inch in every direction.

**OUTSIDE "SKINS"** are Crawford Marvel-Life Hardboard, process-tempered for high density and resistance to weathering and abrasion. These hardboard sheets are warranted for life against deterioration under normal conditions of exposure and weather.

**UNITIZING:** Inner face of each "skin" is completely coated (NOT spot coated) with phenolic resin cold-setting glue, assembled to the frames and cores and cured for at least 16 hours under nine tons pressure per sq. ft.

### INSULATION AND RIGIDITY

After assembly, the unitized section is a sealed "sandwich" containing thousands of dead-air cells which provide excellent insulation, valuable in many applications. These cylinder-like cells (one of the strongest structural forms known), securely anchored at their ends to the "skins", provide such rigidity that the door withstands wind pressure of 20 lbs. per sq. ft. and has great resistance to impact and deflection.

### VERSATILITY

Model No. 766 can be used in any combination of glass sections and is priced to fit comfortably into the average budget. For prices and other information call your local Crawford Distributor, listed in the Yellow Pages under DOORS, or write for Bulletin CD-3658.



## Crawford Door Company

4270-3 HIGH STREET • ECORSE, MICHIGAN 48229



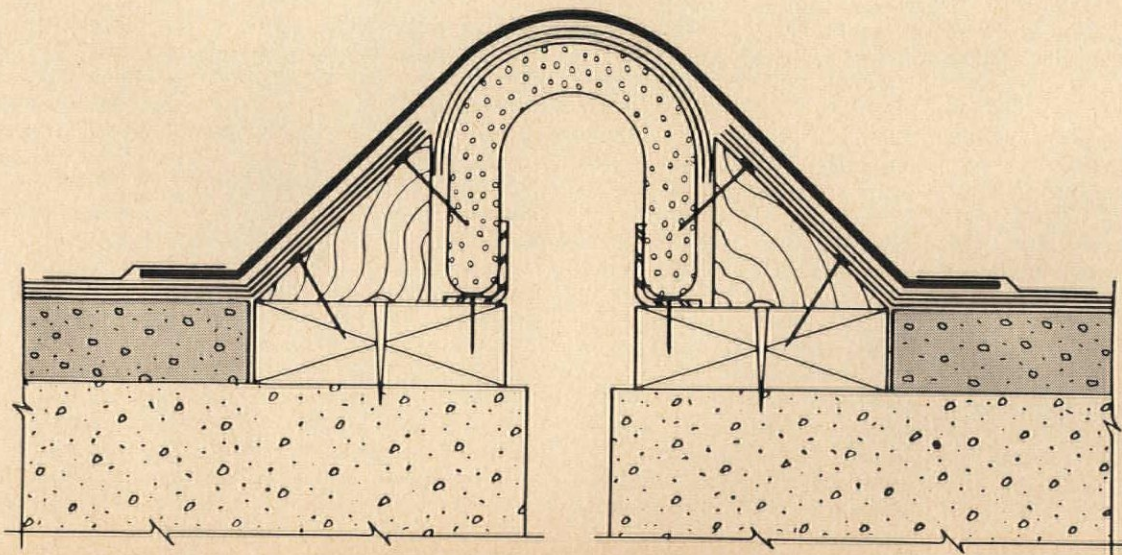
# Are the bugs out of all plastic flashings? Just one—

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There's nothing new about flexible flashing, but perfected flexible flashing—that's new, and Dow has it. For flashing applications that will move, it makes good sense to use a flexible flashing, if the flexible flashing will stand up to extreme heat without weakening and thinning out... and to cold without getting brittle. Saraloy® 640R plastic flashing can.

Another question: will it last? Saraloy 640R will—practically forever. Saraloy 640R flashing is ideal for roof expansion joints, particularly when used in conjunction with Ethafoam® expanded polyethylene foam. (See the detail below.) It makes for a thoroughly waterproof, thoroughly weather resistant expansion joint that will last, the life of the roof.

By the way, the contractors like it, too, because it's solvent weldable and so easy to handle and install. Want more information about Saraloy 640R... perfected flexible flashing? We have it for you. Write The Dow Chemical Company, Plastics Sales Department, Midland, Michigan 48640. Or consult Sweet's Architectural File 8g/Do.



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# WASHINGTON/FINANCIAL NEWS

BY E. E. HALMOS, JR.

Most significant item for architects and others who must do business with the new Department of Housing and Urban development is not what it can do right now, but what it may do in the future.

As of this moment, according to terms of the law creating it (PL 89-174), the new HUD can't do much of anything. Like "Brand X," it just lies there.

The law, and the record in Congress during debate and committee hearings, makes that very clear: HUD's new Secretary will have clearance to do only one specific thing—coordinate and consolidate the programs formerly administered by the Housing and Home Finance Agency. (These include the Housing and Home Finance Agency, the Federal Housing Administration, the Public Housing Administration, and the Federal National Mortgage Association.) Even in that, the department's authority is limited. For instance, the head of the Federal Housing Administration must be an Assistant Secretary.

Otherwise, the new Secretary is directed to "advise" the President on Federal programs; "develop and recommend" policies "fostering the orderly growth" of urban areas; provide technical assistance (including an information clearing house) to aid state and local governments; "encourage" comprehensive planning by local governments; conduct studies of housing and urban problems.

Specifically, Congress was assured that the new HUD hasn't any new authority and may not usurp functions of other Federal agencies already in the field.

But it isn't hard to read what is likely to happen now:

As a matter of fact, the HUD will have control of less than a third of the Federal Government's activities in housing alone (the Veterans Administration and the Federal Home Loan Bank Board are not affected by the legislation, and they account for almost two-thirds of all U.S. housing financing activities). More than 40 other separate programs, administered by nearly as many other Govern-

ment agencies, already exist and will continue. These include road-building, pollution control, new beautification and recreational programs, disbursement and control of vocational educational funds, disposal of surplus Federal properties, experimentation in urban transportation. All would seem to impinge on the apparent functions of the new Department.

But history would indicate that this situation won't remain as is for long. For one thing, the "declaration of purpose" that precedes the law contains the very broad statement that HUD should "provide, at the national level, for full and appropriate consideration . . . of the needs and interests of the nation's communities and the people who live and work in them."

That, say opponents, is license for the eventual conversion of HUD into a true "Department for Urban Affairs," in which insuring home mortgages would become incidental to a broad take-over of functions from many other agencies, as well as from state and local governments. This could be done, observers believe, by means of later Presidential reorganization plans to widen the powers of the New Department.

Among other things, many fear the almost axiomatic growth in personnel of any new department. Latest example is Health-Education-Welfare, which had 36,613 employees when it came into being in 1953, had grown to 83,928 as of March 1965.

For the moment, then, creation of HUD makes little difference to anyone doing business with agencies of the former Housing and Home Finance Agency. How fast the Administration and Congress move to beef up the powers of the new Department—and what direction such moves may take—will tell the real story.

## Congressional Outlook

Unless all the signs are misleading, the reconvened Congress will have a much different outlook from the one in session last year.

The reasons are political: Since this is an election year,

with President Johnson himself not a candidate, Congressmen up for re-election will have no coattails to ride on. This is bound to produce a cautionary attitude in the 45 or more House members facing their first reelection battles, many of them in districts that normally don't send men of their political beliefs to Washington.

By the same token, many Congressmen are a little frightened by the implications of the spending they authorized last session—in many cases without bothering to find any new sources of revenue.

As you know, the President's budget has topped \$100,000,000,000 for the first time; but that's not nearly the true total. According to the Library of Congress' research staff, Federal spending in the coming fiscal year cannot be less than a staggering \$120,000,000,000 (when spending from trust and revolving funds, interest, and the like has been added in). There is little question that Congress will have to find new revenue sources—something never popular with an election coming up.

## AIA Headquarters Reconsidered

Heavily battered by the same sort of outcry that seems to arise any time any old building is to be refurbished, removed, or built around in Washington, the AIA is having some painful second thoughts about its Washington headquarters.

Dominating the present location is the historic Octagon House, once used as a temporary residence for a President (Madison) and scene of some historic doings in the early 1800's. The AIA rescued the building many years ago (it had become a run-down rooming house), restored it, and maintained it as a museum, surrounded by low buildings housing AIA offices.

As most architects know, the office space proved inadequate. The AIA held a competition and selected a winning design (by Mitchell/Giurgola Associates; see p. 39, JANUARY 1965 P/A), which is dominated by a semicircular glass wall focusing on the old Octagon.

That brought a storm of protest from various local "preservation" groups, as well as Interior Secretary Stewart Udall (who thought the design "unfortunate") and others.

As a result, the AIA dusted

off the original feasibility study done by Mitchell/Giurgola Associates, and decided they would try to enlarge the site of the new building. If approved by the AIA membership at the June convention in Denver, the AIA will purchase the Lemon Building next door to the Octagon. The additional 12,000-sq-ft site will be added to the 28,000 sq ft they already have; and Mitchell/Giurgola will be asked to redesign their award-winning entry, providing a 130,000-sq-ft building, almost doubling the size of their original plans. The AIA figures that, with its expanding membership (almost 500 new members are picked up each year), they will need the space.

## Financial

Biggest financial fact for the construction industry was the continuing optimistic prediction for a booming dollar-volume of business for the current year. Latest came from the huge Associated General Contractors, Inc., which surveyed its members, came up with a prediction for a \$72,000,000,000 year. With another \$24,000,000,000 estimated for maintenance and repair work, AGC thought total business would thus approach the \$100,000,000,000 mark—a full sixth of the annual Gross National Product.

(As noted in these columns in December, however, the boom is in dollars rather than jobs. Costs are going up; actual brick and mortar put in place isn't increasing much.)

## Construction Still Rising

Construction put in place during October 1965 continued to run a little ahead of that a year ago. Total value, according to the Commerce Department, was \$6,400,000,000 this year, up about 5 per cent over a year ago. Housing, however, continued its steady downward trend. In October, annual rate was 1,402,000 units—down 8 per cent from a year ago.

Construction costs stayed high during October. The Bureau of Public Roads' quarterly index of costs showed a very slight drop—of 0.2 per cent—from the all-time high registered in the second quarter (106.9), but still well above the previous all-time high. The Public Health Service's sewage plant and sewer cost index climbed again, by fractions of a point, to a high of 112.82.



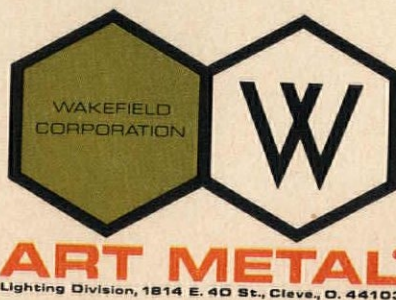
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rial choices, plus cord and canopy color and size options, and a selection of beautiful walnut finish spreaders. Wouldn't some of these exquisite Art Metal-Danlite Fixtures enhance the job you're planning now . . . or the next one? Write for full-color bulletin AMD-965, or call your Art Metal Representative about these latest New Look In Light products.



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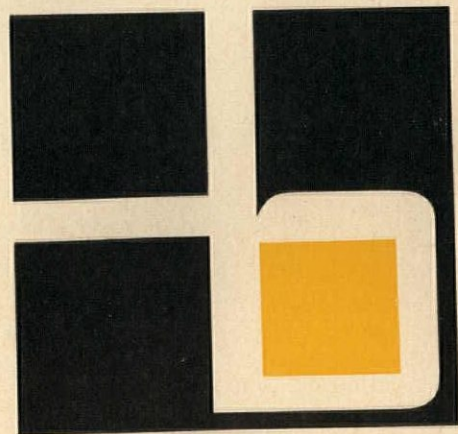


# Bayley windows reduce

the mystery but none of the challenge of architecture. They save time initially because the new Bayley catalog of metal windows and curtain walls has the information you need for final design. And Bayley takes the guesswork out of window delivery—our computer keeps jobs on time.

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The William Bayley Company, Springfield, Ohio

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## NEW PRODUCTS

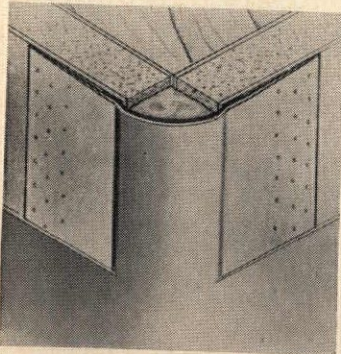
### Air/Temperature Heating Panel Circuitry Combo



Radiant heating panels with a printed circuit element bonded in plastic and backed by  $\frac{3}{4}$ " layer of insulation can be installed flush with standard acoustic ceiling panels. Manufacturer claims heating panels reduce maintenance, operating, and installation costs. The units, which use tin-coated steel foil for the printed elements, are said to operate especially well in areas of great heat loss. Litecontrol Corp., Watertown, Mass.

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### Construction No Squares Here



Corner beads with a  $\frac{3}{4}$ " radius can be used to round interior or exterior corners of either  $\frac{1}{2}$ " or  $\frac{5}{8}$ " drywall construction. Galvanized steel beads—electroplated and bonded to treated paper for adhesion—can be either concealed or exposed. Available in 7', 7'-8", 8', and 10' lengths. Beadex Manufacturing Co., 4615 Eighth Ave. NW, Seattle, Wash. 98107.

On Readers' Service Card, Circle 101

### A Particleboard of Difference

Fire-retardant particleboard meets requirements for "fire-proofed wood" in several major cities and carries Underwriters Flame Spread rating of 25. "Novoply" is recommended for use as a core panel surfaced with wood, plastic, or other veneers. Company claims the product is dimensionally stable and free from warp. United States Plywood Corp., 777 Third Ave., New York, N. Y. 10017.

On Readers' Service Card, Circle 102

### Laminates on the Beam

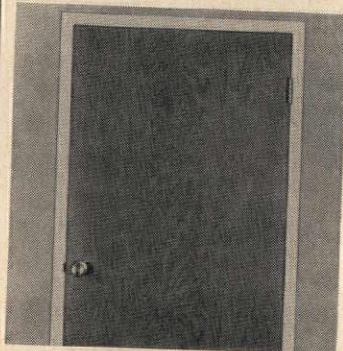


Laminated redwood beams that are up to 60' long are available in "architectural appearance grade." Beams contain typical rustic characteristics such as sound knots. Manufacturer says this grade costs 30% less than premium-grade laminated beams. Available 3" to 8" wide by 4" to 25" deep. Union Lumber Co., 620 Market St., San Francisco, Calif. 94104.

On Readers' Service Card, Circle 103

### Doors/Windows

#### It Looks Like Wood



Steel doors borrow advantages of timber's appearance by way of gravure-printed wood grains on the door face. Walnut, driftwood, or blonde birch printed over a matching base

coat of lacquer can be applied to 16-, 18-, or 20-gage steel doors. The Steelcraft Manufacturing Co., 1607 Blue Ash Rd., Cincinnati, Ohio 45242.

On Readers' Service Card, Circle 104

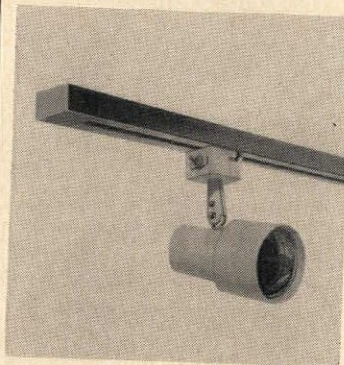
### Electrical Equipment

#### Undercover Outlet

Plastic cap for outdoor electrical outlets is self-hinged and sealed with a rubber gasket. It protects against dust, rain, snow, and salt air. General Electric Co., Wiring Device Dept., 95 Hathaway St., Providence, R. I. 02907.

On Readers' Service Card, Circle 105

### Gallery Lights



For lighting up the art world (paintings, statues, etc.), small bullet lamps plug into an electrified ceiling track. The white lamps, each equipped with an on-off switch, can be positioned anywhere along 4'- or 8'-long aluminum tracks. Halo Lighting, Inc., 9301 W. Bryn Mawr Ave., Des Plaines, Ill. 60018.

On Readers' Service Card, Circle 106

### Plastic Outlet Box

Glass-fiber-reinforced-plastic box for electrical toggle switches insulates electrical connections and will not burn, claims the manufacturer. Standard wall plates fit the switch box. Allied Molded Products, Bryan, Ohio.

On Readers' Service Card, Circle 107

### Faucet-Light

This combination fitting provides light directly over a kitchen sink and can be installed on a standard sink with three  $1\frac{1}{2}$ " holes on 4" centers. The light has a frosted lens and is completely assembled

and wired; the faucet features a built-in spray-spout. Elka Manufacturing Co., 2700 S. 1st Ave., Broadview, Ill. 60153.

On Readers' Service Card, Circle 108

### Finishes/Protectors

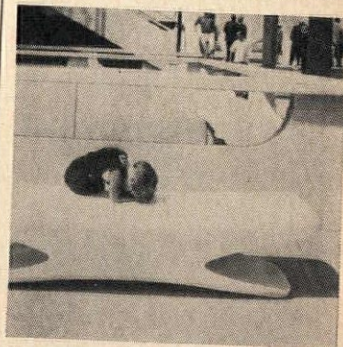
#### Stains of Many Colors

A total of 1400 "rustic stains" in solid and semitransparent colors should provide just about any hue desired for interior or exterior wood surfaces. Drying to a matte finish, the stains are claimed to be quality controlled for color consistency. Available in the Western states. Pabco Paint Div., Fibreboard Paper Products Corp., 475 Brannan St., San Francisco, Calif.

On Readers' Service Card, Circle 109

### Furnishings

#### Groovy Benches



The quest for the all-of-a-piece seating unit continues in three excellent, sinuous benches—one with a backrest integrally moulded in the one-piece construction—designed by Douglas Deeds. Bench lengths are 6', 6' 6", and 6' 10"; two weigh 60 lb each, the one with backrest 115 lb. Sculptural "concavities" provide for rain run-off when benches are used outdoors. Finishes (17 available) have been tested to show "little or no change" due to weathering or fading. Designs are engineered to preclude tip-



ing even when only one person is seated at the end of the bench. Not for every plaza, but fine for many. Architectural Fiberglass, 2020 S. Robertson Blvd., Los Angeles, Calif. 90034  
On Readers' Service Card, Circle 110

## Drafting Table/Desk



An L-shaped unit combines drafting table and desk in a contemporary piece of furniture that departs from the conventional pedestal board. A "Rota-Positioner" allows draftsman to reach all areas of board while seated in standard-height chair, according to manufacturer. Desk top is 30" x 60". Available in colors and variety of top materials. The General Fireproofing Co., East Dennick Ave., Youngstown, Ohio.  
On Readers' Service Card, Circle 111

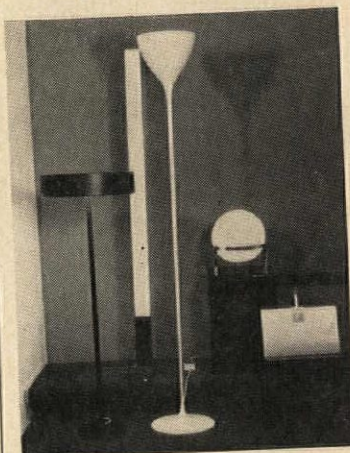
## The Petitt Chair



Knoll's engineering research has led to long-awaited advances in wood-working processes that now yield a pleasant all-purpose chair named for its designer, Don Petitt. The frame is constructed of thin flat strips of walnut laminated together (bonded with high frequency) and molded in sinuous curves. The new process permits tighter, stronger whiplash curves than any previous, comparable molding, and where the back meets the legs, the Petitt Chair is at its most daring. The lamination process also produces rich gradations of wood color and grain. Upholstered elements are on

molded foam rubber bonded to formed metal pans. Width 22½", depth 24", height 32". Knoll Associates, Inc., 320 Park Ave., New York 10022.  
On Readers' Service Card, Circle 112

## Lamps for Architects



Included in one of the most discriminating collections of light fixtures are the recently imported items, illustrated, left to right: (a) A low, Austrian standard lamp, all black with slim shade, only 47" high; (b) Swiss, plexiglass column, 59" high, holds fluorescent tube on end atop short, black-enamel stem and polished-chrome cruciform base. (c) All-white torch, Swiss, is 65" high and uses 200-w bulb. (d) Swiss spherical table lamp has polished chrome ring on three slender legs. (e) Neat Austrian piano-rack lamp has adjustable chrome base and black-enamel swivel shade. Designer of Austrian lamps is Ernst Chalice; Swiss lamps by Ernst Luthiger. All exclusive in U.S. from George Kovacs, Inc., 831 Madison Ave., N. Y.  
On Readers' Service Card, Circle 113

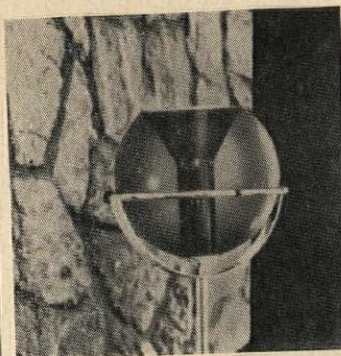
## Simple Style for Dorms



Among several straight-forward seating designs primarily for institutional use is a sofa-bed that would give character to a girl's dormitory. Of rugged ash, it comes in two lengths—80"

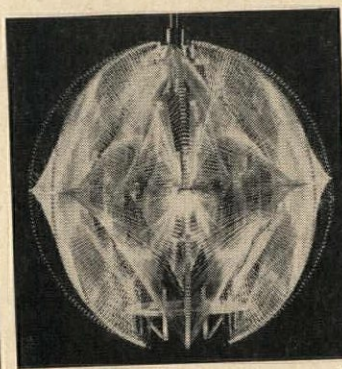
or 76"—both 33" deep and 27" high. Wood may be finished in natural oil, or smoke or walnut stains; flat-spring construction supports poly-foam bolsters and mattress. C. I. Designs, 230 Clarendon St., Boston 16, Mass.  
On Readers' Service Card, Circle 114

## Dutch Multidirectional Lamp



Multidirectional lamp designed by V.A. Lockhorn of Amsterdam has grayish-violet, see-through glass sphere containing metal reflector for bulb (100 w maximum); sphere revolves 360° and twists in all directions to produce direct or indirect lighting. White cord feeds from top of chrome-plated, adjustable standard (4' 1¼" to 5' 4¾"). Made by Raak in Holland; distributed by Koch & Lowy Inc., 201 E. 34th St., New York, N. Y.  
On Readers' Service Card, Circle 115

## Unusual Imports



"Acu-Arc," a flexible plastic French curve, can be shaped to fit any curve needed. Segmented construction allows smooth arcing. Rolatope Corp., P. O. Box 1190, Santa Monica, Calif.  
On Readers' Service Card, Circle 117

## Space-Saving Refrigerators

Wall-mounted refrigerators for hospital or institutional use are available in two stainless-steel models — capacities ranging from 1.5 to 11.5 cu ft. They feature automatic defrosting and explosion-proof interiors. The Jewett Refrigerator Co., Inc., Buffalo, N.Y. 14213.  
On Readers' Service Card, Circle 118





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Milwaukee Tel: 272-8777  
S. Milwaukee Tel: 762-2500  
West Bend Tel: 334-5566

## Convert an Accounting Machine

Accounting machines can perform multiplication and division with the help of a calculating device added to IBM's 402, 403, and 407 machines. Six registers with 11 digits enable converted machine to make arithmetical analyses for cost studies, billings, and rates and percentages. The device does not convert an accounting machine into an electronic computer. It is programed mechanically with wired board panels. International Business Machines Corp., Data Processing Div., White Plains, N. Y.  
*On Readers' Service Card, Circle 119*

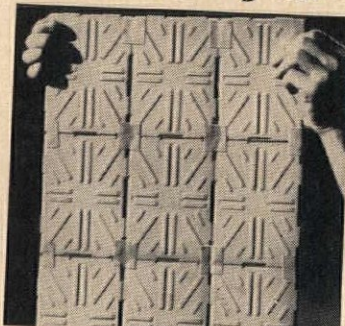
## Surfacing

### Hardboard "Chestnut"



Hardboard imitates wormy chestnut in tongue-and-grooved panels available in 16" x 8' sheets. The textured surface is finished in washable plastic that is "highly resistant to heat and moisture." Marsh Wall Products, Dover, Ohio 44622.  
*On Readers' Service Card, Circle 120*

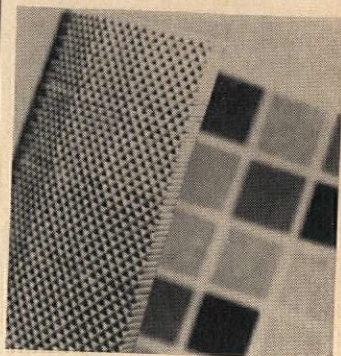
## Better Bonding Tile



Manufacturer supplies wall tiles jointed together with small pieces of adhesive tape. Small adhesive tabs join set of four "Romany-Spartan" glazed wall tiles to make handling easier at the site. The tabs are small enough to expose 95 per cent of the backs of the tiles, thus ensuring a good bond for the

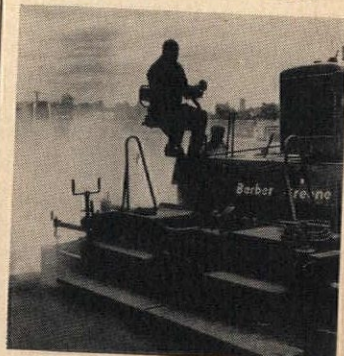
mortar between tile and wall. Three sizes of Romany-Spartan tiles are available with this back mounting: 4 1/4" x 4 1/4", 4 1/4" x 6", and 4 1/4" x 8 1/2". Bond can be used with adhesive, dry-set mortar, or conventional mortar installations. U. S. Ceramic Tile Co., Canton, Ohio, 44702  
*On Readers' Service Card, Circle 121*

## Soft Tile



A 1"-square ceramic tile embedded in a vinyl matrix backed with a vinyl waffle pad absorbs sound of footsteps on floors. Manufacturer also recommends "Ceramolok" for counter tops and walls where it can be cut and bent without cracking. Available in 1'-square sheets in many colors. Installation with special adhesive is quick and simple, says manufacturer, and flooring resists stains and discoloration. Amsterdam Corp., 41 E. 42 St., New York, N. Y. 10017.  
*On Readers' Service Card, Circle 122*

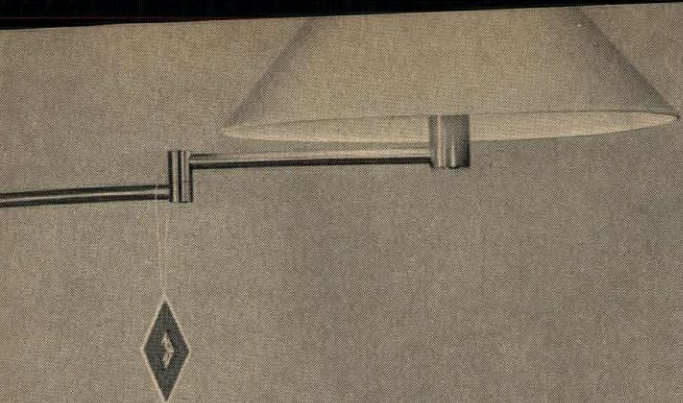
## Anyone for Tennis?



"Rub Kor" topping for tennis courts, running tracks, and playgrounds is a rubber, cork, and mineral aggregate composition said to be nonabrasive, skidproof, self-sealing, and unaffected by freezing and moisture. Application is the same as for asphalt. Available in colors. Rub Kor America, 71 Massachusetts St., Waltham, Mass.  
*On Readers' Service Card, Circle 123*

On Readers' Service Card, circle No. 380





## NESSEN SWINGS

famous swing arm lamp—originated by Walter von Nessen more than years ago—has gained a special reputation among architects, design- even museums. This versatile lamp is available in nine different standard models for residential and commercial applications. These lamps are also available with modifications to meet specific get or job requirements. Quality of craftsmanship remains the same. Nessen lamps are made of solid brass, with standard finishes avail- e in brushed or polished brass or satin chrome over brass. Write for our latest catalog and reference file.

ESSEN LAMPS INC. 317 East 34th St., New York, N.Y. 10016



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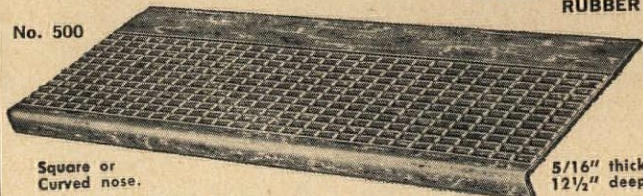
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Here is the heaviest weight and gauge rubber tread manu- factured—5/16" thick, with extra reinforced, return tapered nosing for better fit and better wear. Exclusive rectangular safety design for safety, durability and ease of maintenance.

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RUBBER**

No. 500



Square or  
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12 1/4" deep

**COLORS:** Plain Black or Marble- ized Red, Green, Gray, Mahogany, Beige, Walnut, Birch or Black. **LENGTHS:** 24", 30", 36", 42", 48", 54", 61". Also, 72" in square nose tread.

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#### COMPLEMENTARY, COLOR CO-ORDINATED ITEMS

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On Readers' Service Card, circle No. 381

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# COMMUNITY EFFORT RESULTS IN MODEL JUNIOR HIGH

The new junior high school in Eaton, Colorado, a town of only 1,200, is proof of what can be accomplished when the citizens, school board, the superintendent and his staff, and the architect all work together. The result—a unique, well-planned school facility.

Visitors marvel at how both community and school needs have been accomplished in planning the entire facility. Movable walls and folding partitions not only provide for present flexibility, but for future expansions, also.

Planned, preventive maintenance was carefully considered for this building, too. Experience gained from the use of Hillyard products in the grade school, completed in 1955, led to the selection of Hillyard products for the new junior high school building.

*There's a Hillyard architectural consultant near you and he'll gladly consult with your specification writers on proper, approved procedures and materials for the original treatment of any floor you specify. Follow-up "job captain" service protects your specification. Write, wire or call collect.*

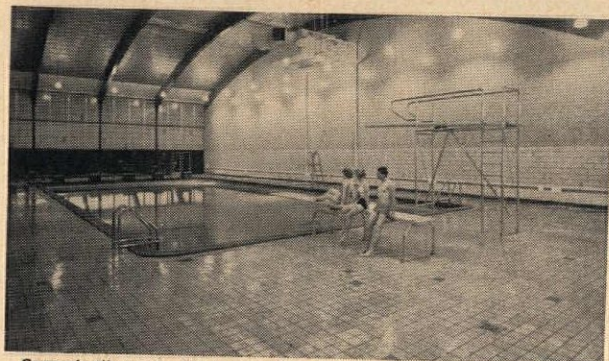


## HILLYARD FLOOR TREATMENTS

*The Most Widely Recommended and*



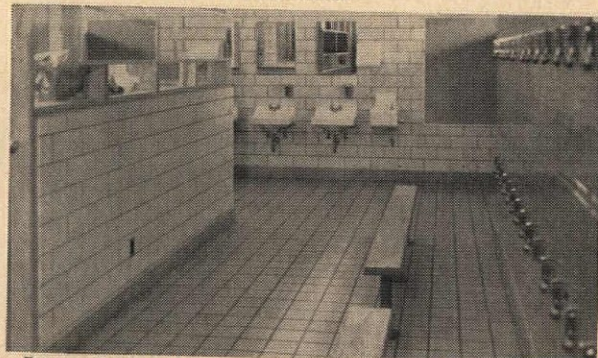
Truly a floor of champions . . . Hillyard Trophy Seal and Trophy Finish used to finish gym floor.



Ceramic tile pool with quarry tile aprons mopped daily with Clean-O-Lite as a disinfectant for maximum sanitation and for prevention of athlete's foot.



Hillyard Hil-Tex undercoater-sealer used on all corridor and classroom floors (resilient). Super Hil-Brite carnauba wax used for floor protection and easy daily maintenance.



Boys and girls locker-shower rooms maintained daily with Clean-O-Lite, a synthetic cleaner, deodorizer, sanitizer and disinfectant.

Architect: Claude A. Nash  
Contractor: Hensel Phelps Construction Co.

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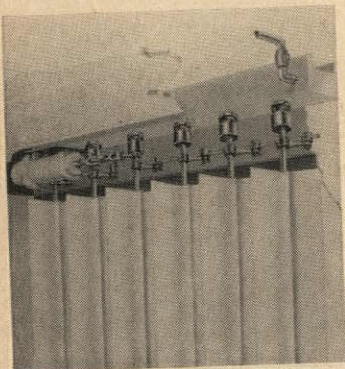
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## Air/Temperature

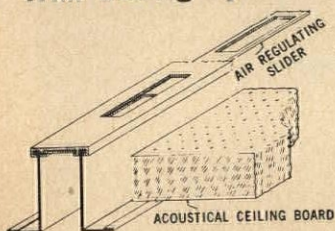
### Nonrefrigerated Cooling System



Design manual explains workings of an integrated cooling system, using nonrefrigerated water to reduce heat generated by artificial lighting and sunlight entering through windows. The system can also transfer heat from lighting fixtures to the windows during the winter. System is said to reduce air-conditioning and heating requirements for a building. Booklet compares energy requirements for "Lite-Therm" system with conventional methods; shows, with diagrams, direct and indirect transfer systems; and illustrates distribution and equipment layouts. Three pages of specifications and brief installation details. 24 pages. Environmental Systems Corp., Conyers, Ga.

On Readers' Service Card, Circle 200

### Trim Ceiling System



A ventilating grid system for dropped ceilings solves the scattered air-grille problem. Designed to hold both lighting and acoustic units, the steel grid incorporates a snap-on plastic "Vent-Spline", which is slotted for air flow supplied by open ducts above the ceiling. Air flow is controlled by a regulating slide that covers the slots. Acoustical tiles and translucent panels for lighting are available in various designs and materials (some fire-retardant).

Specialized products for noise control are also shown. The 48-page catalog includes tables, descriptions, details, and photos for complete ceiling systems. Elof Hansson, Inc., Acoustical Division, 711 Third Ave., New York, N.Y. 10017.

On Readers' Service Card, Circle 201

### Perforated Ceiling

Data file for distributing air through perforated acoustic ceiling includes design information for sizing complete systems, specifications for the ceiling tiles, and sketches illustrating construction details. The Celotex Corp., 120 N. Florida Ave., Tampa, Fla. 33602

On Readers' Service Card, Circle 202

## Construction

### Tanks for the Memory

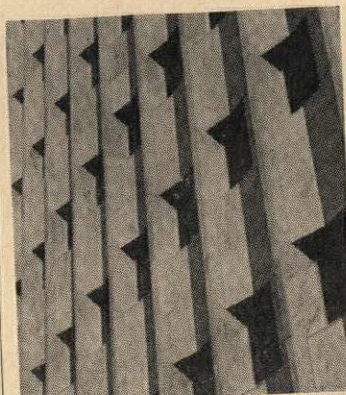


The era of the old oaken water tower is rapidly passing out of style, as is illustrated by this portfolio of new design ideas for water storage in steel by Peter Muller-Munk, an industrial designer from Pittsburgh. Included are such unexpected projects as an elevated tank with an observation roof, and a ground-storage tank ringed at the base by shops and topped by a skating rink. The three basic types shown—ground storage, standpipe, and elevated

—are meant to contribute to the townscape. 50-page booklet with full-color renderings. American Iron and Steel Institute, 150 E. 42 St., New York, N.Y. 10017.

On Readers' Service Card, Circle 203

### Stone Face



Photographs and panel details illustrate the use of marble-faced precast concrete panels on 11 building façades. Also given are details for caulking joints, anchoring marble to concrete, and an anchor schedule. 12 pages. The Georgia Marble Co., 11 Pryor St., S.W., Atlanta, Ga. 30303.

On Readers' Service Card, Circle 204

### Glass-Fiber Panels

Brochure provides data on translucent, glass-fiber-reinforced panels suitable for commercial, institutional, and industrial buildings. Tables give sizes, light and heat transmission coefficients, and available panel sizes. Diagrams illustrate available profiles. Folder Number AE-866. 4 pages. Reichhold Chemicals, Inc., Alsynite Div., P.O. Box 9335, San Diego, Calif. 92109.

On Readers' Service Card, Circle 205

### Modified Mortar

Two formulations, Dow Latexes 460 and 464, add tensile and flexural strength to mortar and improve its compressive strength and bond, according to the manufacturer. Latex-modified mortar is suitable for grouting tiles, repairing concrete pipe or floor slabs, waterproof coatings and tuck pointing. The booklet extensively reports on test results of the latex formulations and their effects on portland cement mortar. Illustrations suggest

applications, and brief instructions tell how to use modified mortar. 48 pages. The Dow Chemical Co., 433 Building, Midland, Mich.

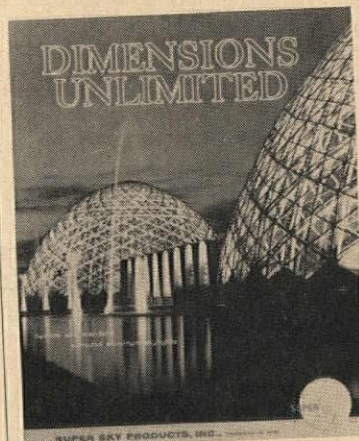
On Readers' Service Card, Circle 206

### Chimneys Not for Burning

Lightweight "Metalbestos" chimneys, for enclosed installations or free-standing fireplaces, come in two standard sizes—7" ID and 10" ID which can be erected to any chimney height required. Insulation between stainless-steel inner pipe and galvanized steel outer pipe is said to have 17 times the insulation value of a brick chimney. 12-page pamphlet with photos and details. William Wallace Co., Belmont, Calif.

On Readers' Service Card, Circle 207

### Glazier's Delight



Extruded aluminum skylight domes—for topping off school, church, atrium, or greenhouse—are available in standard 12' to 30' diameters with a variety of glazing materials. Custom fabrication is also available. Ridge, multiple pyramid, and specialized skylights are shown in 16-page booklet with photographs, specifications, and details. Super Sky Products, Inc., Box 47, Thiensville, Wis. 53092.

On Readers' Service Card, Circle 208

### Parting of the Ways

Office partitions faced with steel, hardboard, or vinyl-coated-walnut panels are framed into aluminum posts grooved on four sides for flexibility of layout planning. Panels are available in several



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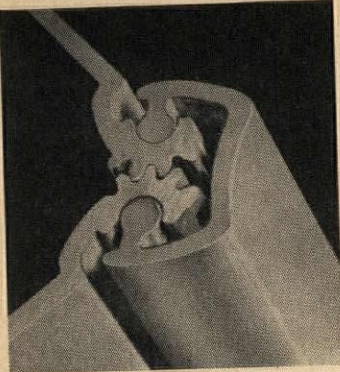
On Readers' Service Card, circle No. 418



sizes and colors, either flush or glazed, and are also made with flush-mounted electrical outlets. 8-page booklet includes panel, post and gate size charts, and construction details. Weber Showcase & Fixture Co., 1340 Monroe Ave. N.W., Grand Rapids, Mich. 49502.  
*On Readers' Service Card, Circle 209*

## Doors/Windows

### They're Swingers



Gear-type continuous hinge, riding on nylon bearings, makes a trim, top-to-bottom strip along the side of the door. Manufacturer claims the hinges are pinch-free, burglar-proof, and self-weatherstripping. "Roton" aluminum hinges available in gold or silver finish. McKinney Sales Co., Scranton, Pa. 18505.  
*On Readers' Service Card, Circle 210*

### Aluminum Doors and Frames

Catalog describes three types of aluminum doors: wide stile, narrow stiles, and optimum. Details and descriptions illustrate the difference between door types. Photos show hardware and construction details. 8 pages. The Adams & Westlake Co., Elkhart, Ind.  
*On Readers' Service Card, Circle 211*

### Doubling Pays Off

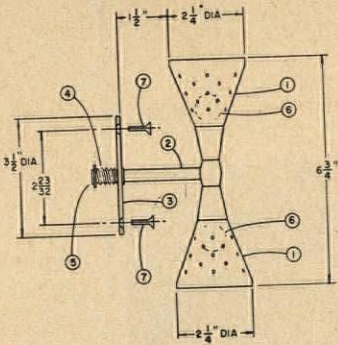
Sealed, double panes of glass ready for site installation reduce heat and sound transmission. Pamphlet gives physical properties, dimensional tolerances, available sizes, and a case history justifying economy of the product. 8 pages. Thermo-proof Glass Co., 4815 Cabot Ave., Detroit, Mich. 48210.  
*On Readers' Service Card, Circle 212*

## Electrical Equipment

### Safety Lights

Catalog lists lighting fixtures that meet the requirements for lighting in hazardous areas. It gives dimensioned details, photometric data, and recommended uses. 34 pages. Appleton Electric Co., 1701 Wellington Ave., Chicago, Ill. 60657.  
*On Readers' Service Card, Circle 213*

### Atmosphere



Small, low-voltage (12v) light fixtures for restaurant, cocktail lounge, garden, pool, or fountain (underwater lights). Detailed drawings and full-color photos illustrate wall- and ceiling-mounted lamps, as well as hanging and standing lamps. Wide-Lite Corp., 1414 Gulf Freeway, Houston, Tex.  
*On Readers' Service Card, Circle 214*

## Furnishings

### More Office Chairs

Curved and straight-back office chairs make up "1200 Series," illustrated in 6-page color brochure; swivel armchairs, secretarial chairs, and side chairs are pictured. Five optional upholstery fabrics are illustrated in color; fold-out specifications chart tells types of cushioning used, chair dimensions, posture adjustments, yardage requirements, etc. Steelcase Inc., 1120 36th St., S. E. Grand Rapids, Mich.  
*On Readers' Service Card, Circle 215*

### Inverted Clapboards for Shelf System

Upside-down clapboard siding construction, used as side panels of storage unit, provides adjustable (and tidy) bracket system without hard-

*Continued on page 82*

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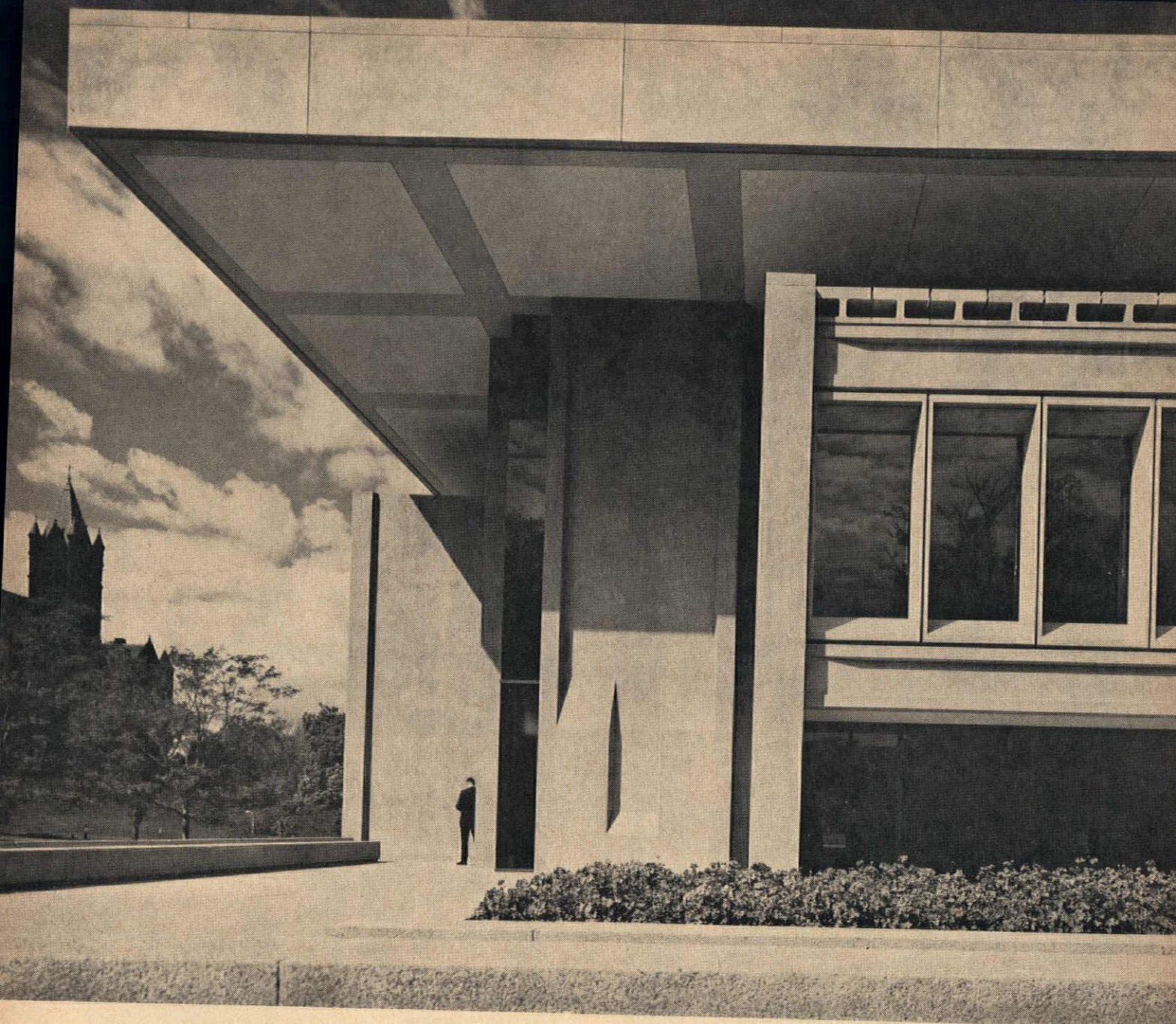
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 Los Angeles, California

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 P.O. Box 208, South Omaha, Neb.

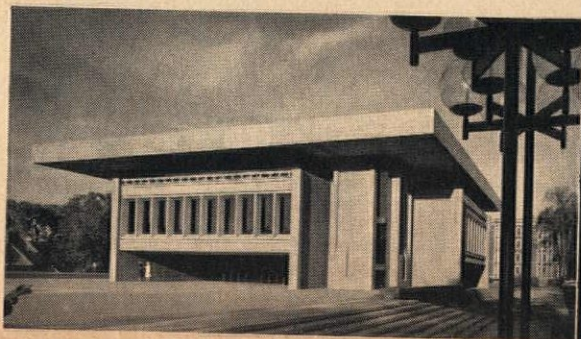




## First Honor Award Winner\* • by I. M. Pei & Associates and King & King

Whether the competition is local, regional, or national, an impressive number of award-winning buildings are Mo-Sai. Other than Mo-Sai's intrinsic high quality, the resemblance ends there. Let's look at some of the distinctive Mo-Sai features on this award winner. Above and below Mo-Sai windowwall units are exposed Mo-Sai structural beams. On either side of the windowwalls, monolithic Mo-Sai panels with double returns form the structural fin walls. On each corner of the building two 10-foot 6-inch by 32-foot-high Mo-Sai wall units with an incised design enclose stairways. Mo-Sai cast in the shape of 'I' beam cross sections forms the balcony railing, while Mo-Sai fascia panels encircle the roof slab.

Could this building have been so beautifully expressed in anything other than Mo-Sai? \*1965 A.I.A. Competition



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General Contractor:  
J. D. Taylor Construction  
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Photo by Robert Damora

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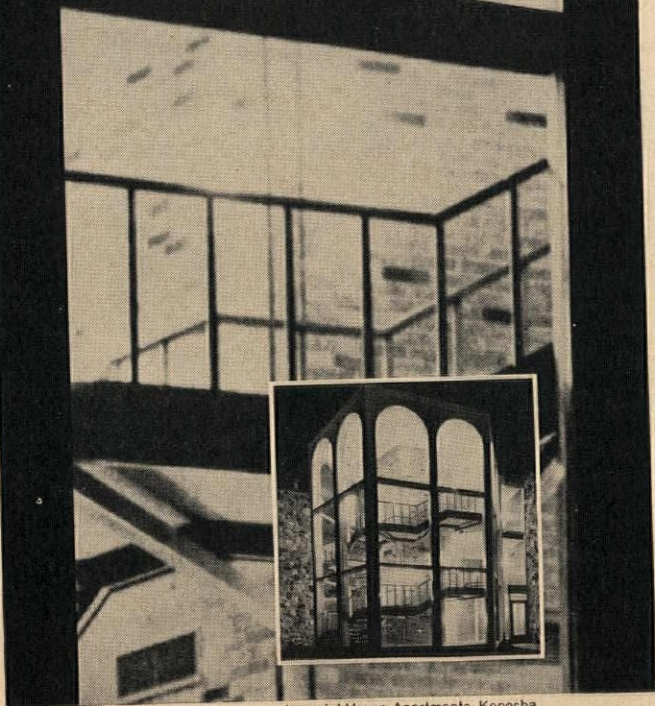
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Imperial House Apartments, Kenosha, Wisconsin. Architect: Sheldon Segel, A.I.A., Milwaukee, Wisconsin.

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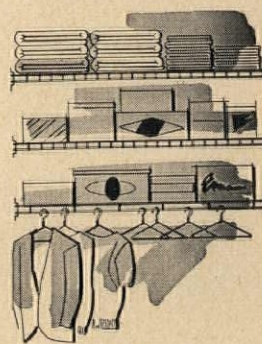
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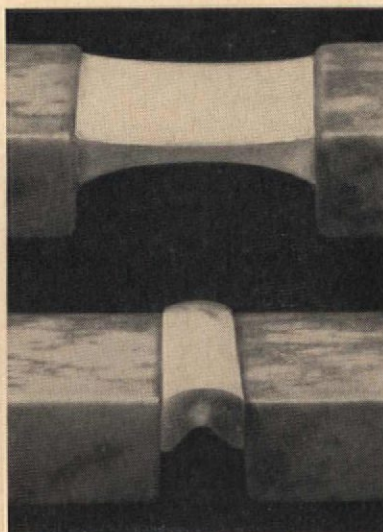
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GENERAL  ELECTRIC

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Continued from page 78

ware. Assembled into a wood unit called "The Caravan," system can be set up as a divider, with four ceiling-high sections of storage and display space, or it can rest against a wall and be moved (on casters) to any position. Front surfaces can be laminate-finished. Illustrated in 6-page, 4-color brochure. Western Wood Products Assn., Yeon Bldg., Portland, Ore.

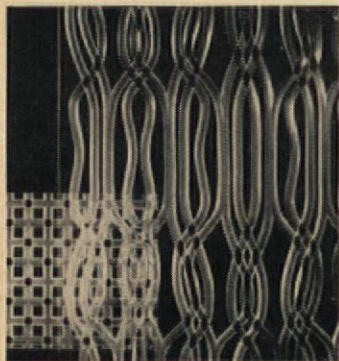
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## For Banquet Room

"Guide to Function-Room Furniture," pocket-sized booklet, gives information on the durable, flexible equipment needed in rooms where public functions are held: folding tables; stacking and folding chairs; folding platforms; portable dance floors, bars, and lecterns; and trucks and dollies. Institutional Products, Inc., "I" and Venango Sts., Philadelphia, Pa.

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## Plastic Grilles



See-through acrylic panels have been carved in squiggly and geometrically repetitive patterns (illustrated) for use as indoor or outdoor grilles. Wood grilles in irregular cellular patterns are also illustrated in brochure from Customwood Manufacturing Co., 3620 High St., N.E., Albuquerque, N.M.

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## Bright Spaces for Bookworms

Library stacks need not be drab, now that a choice of 28 colors—including fawn, champagne, rust, olive, ochre, off-white, and Chinese red—is available on this manufacturer's library equipment. Color brochure available from Estey

Corp., 1 Catherine St., Red Bank, N.J.

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## "Surface Art Forms"

Above is the title of a four-page brochure of square and round metal cylinders to be used as pendant, flush, and bracket lighting fixtures. Finishes, sizes, and performance data chart are included. Art Metal Lighting Div., 1814 E. 40th St., Cleveland 3, Ohio.

On Readers' Service Card, Circle 220

## Columbia Office Furniture

"Linear/7000" line is set forth in 16-page, four-color brochure. A "Linear" reveal accents the joints between elements of the furniture. Collection includes desks, modular units, credenzas, tables, and accessories. Columbia-Hallowell Div., Standard Pressed Steel Co., Box C-3-22, Jenkintown, Pa.

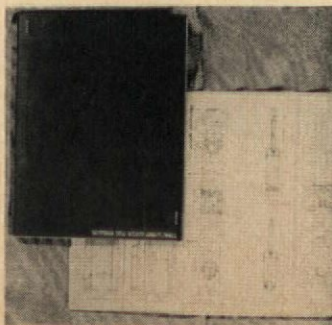
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## Innovations in Home Décor

An eight-page, consumer-oriented, color folder illustrates 14 Royalcote hardboard wood-grain panels (recent additions: Paneled Walnut, Pecky Teak, Mount Vernon Cherry, and New Honeytone Cherry), plus vinyl-clad wood mouldings in seven shapes. Masonite Corp., 29 N. Wacker Dr., Chicago, Ill.

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## Demountable Partition Systems



Brochure of 36 pages, entitled "Hauserman Total Interior Concept/Walls," details "Co-

Continued on page 86

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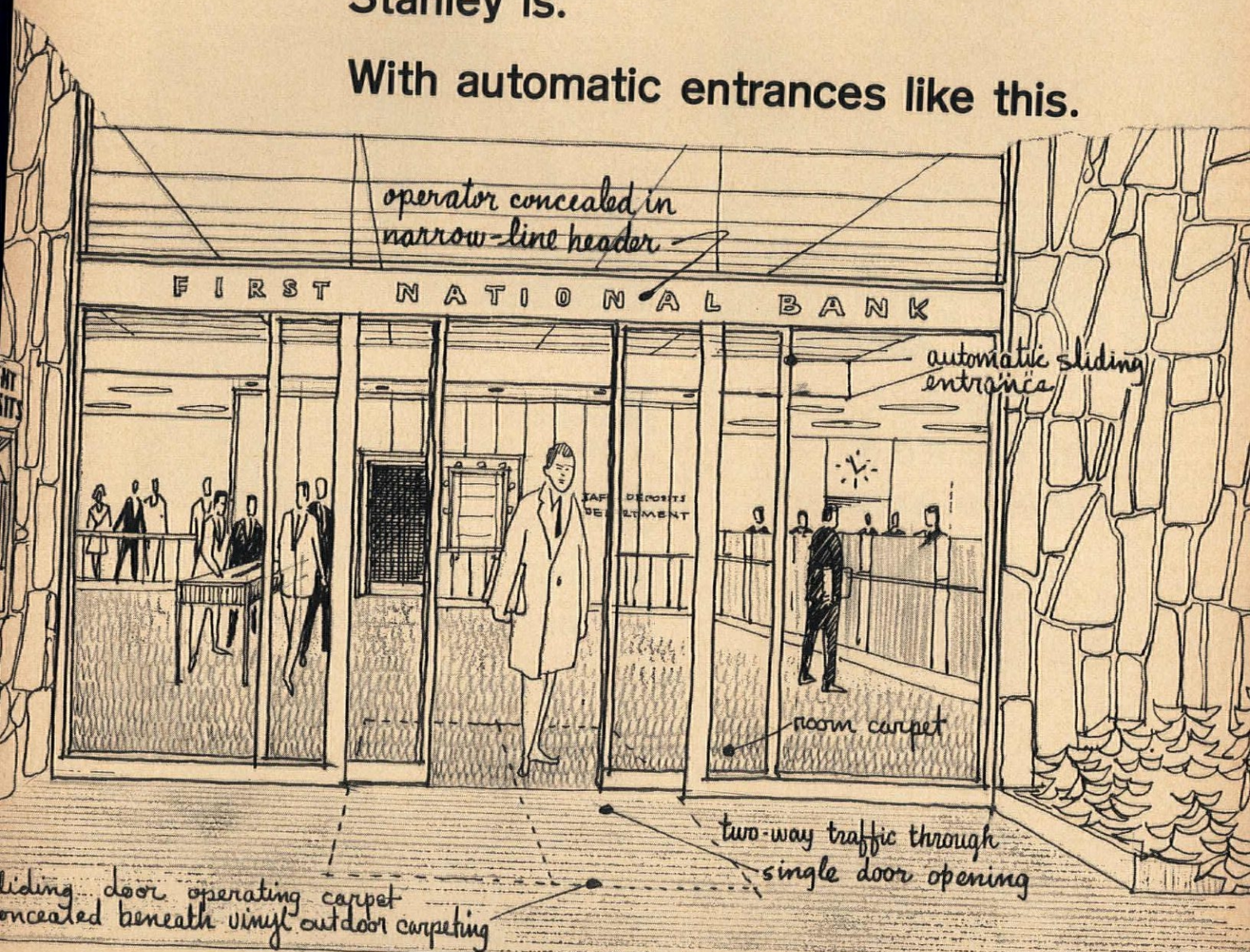
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| <p><b>ARIZONA</b><br/>Phoenix<br/>Stanley Building Products, Inc.<br/>4836 North 16th Street<br/>602, 279-0324</p> <p><b>CALIFORNIA</b><br/>Los Angeles<br/>Hay Agency<br/>4324 W. Jefferson Blvd.<br/>213, 731-0871</p> <p><b>Sacramento</b><br/>Fontaine Door Co.<br/>200 27th St.<br/>916, 442-1842</p> <p><b>San Mateo</b><br/>Stanley Door Operating Equipment<br/>4007 Pacific Blvd.<br/>415, 349-2501</p> <p><b>COLORADO</b><br/>Denver<br/>Builders Service Bureau<br/>1221 Bannock St.<br/>303, TA 5-5244</p> <p><b>CONNECTICUT</b><br/>Hartford (exchange)<br/>The Stanley Sales Company<br/>95 Hampton Avenue<br/>Needham Heights, Mass.<br/>203, CH 9-6226</p> <p><b>FLORIDA</b><br/>Miami<br/>Chuck Taylor, Inc.<br/>270 N.E. 183rd St.<br/>305, 424-2688</p> <p><b>Orlando</b><br/>William A. Slater Co.<br/>723 Brookhaven Drive<br/>305, 423-3680</p> <p><b>GEORGIA</b><br/>Doraville<br/>Hatcher Sales Company<br/>3596 Oakcliff Road<br/>404, 451-6211</p> <p><b>HAWAII</b><br/>Honolulu<br/>Theo. H. 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Bluemond<br/>414, SP 4-1350</p> <p><b>DIST. OF COLUMBIA</b><br/>Washington<br/>G. W. Blanchard Co., Inc.<br/>6210 Chillum Place, N.W.<br/>202, TU 2-6210</p> <p><b>CANADA</b><br/>Toronto, Ontario<br/>Pilkington Bros. Ltd.<br/>55 Eglinton St. E.<br/>416, HU 7-2471</p> <p><b>No. Vancouver, B. C.</b><br/>Nor-Was Contract Hard.<br/>1075 Marine Drive<br/>604, 988-5221</p> |
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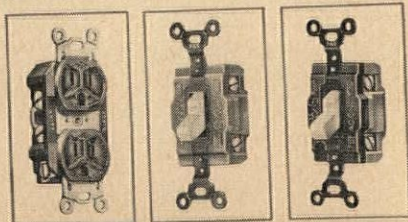
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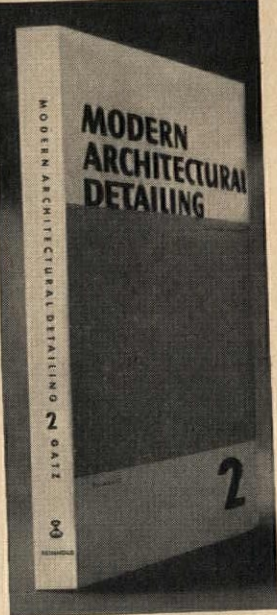
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Edited by Konrad Gatz

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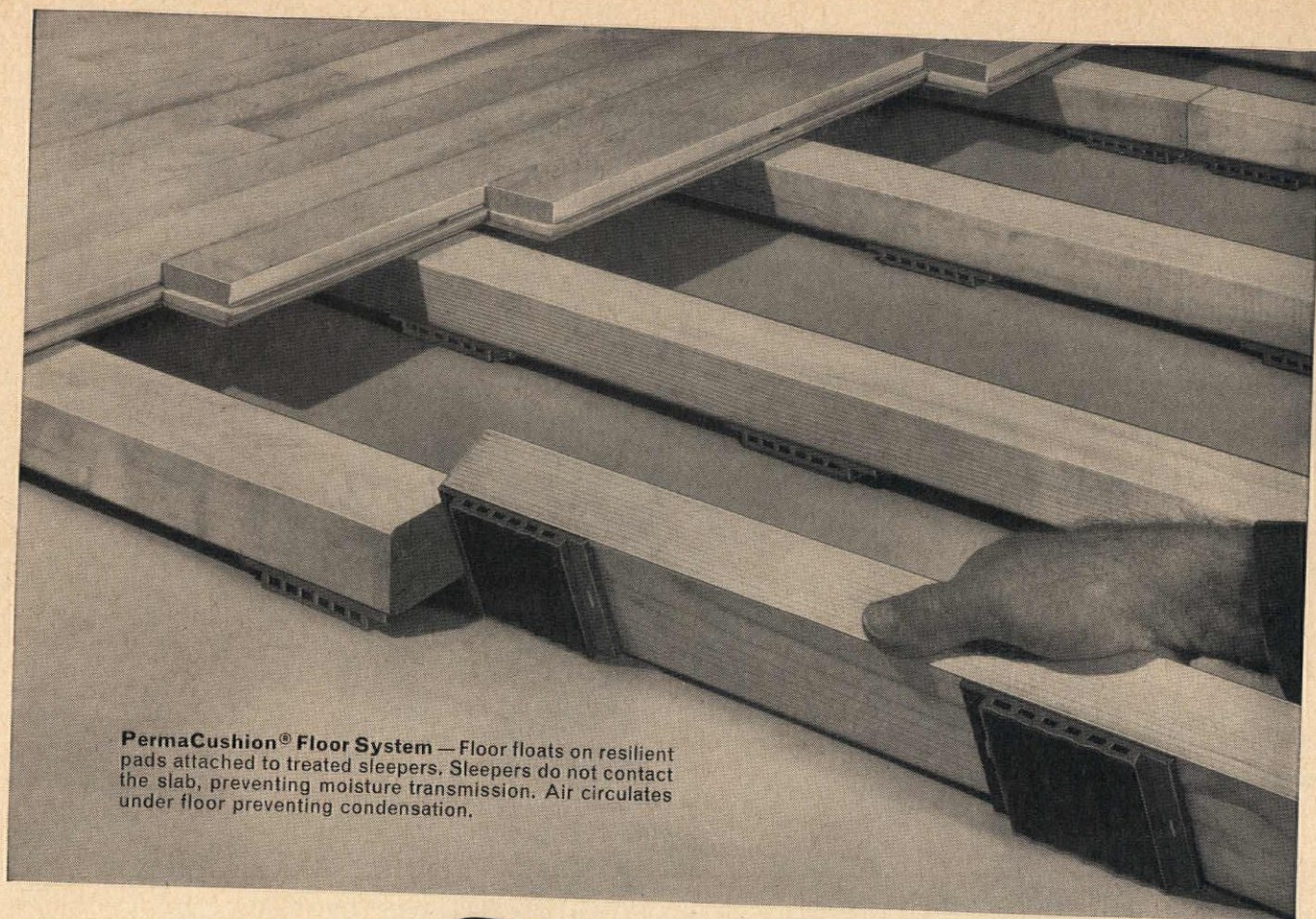
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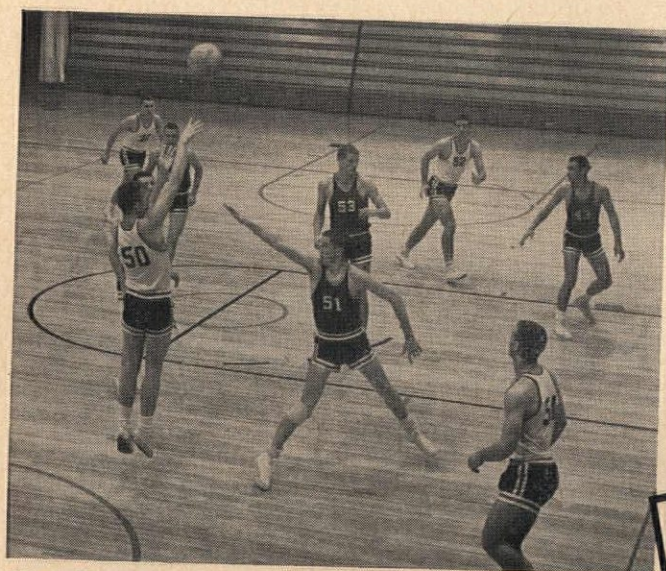
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Continued from page 82

ordinator Double-Wall," the first practical metal movable wall at low initial cost (according to the manufacturer), as well as the firm's Signature and Delineator partition systems. Booklet includes specifications, technical data, and illustrations. E.F. Hauserman Co., 5411 Grant Ave., Cleveland Ohio.

On Readers' Service Card, Circle 223

**Sanitation/Plumbing**

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Washroom accessories in stainless steel are shown in a 24-page catalog giving brief specifications, drawings, and details. Watrous Inc., 216 S. Evergreen, Bensenville, Ill.

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**Special Equipment**

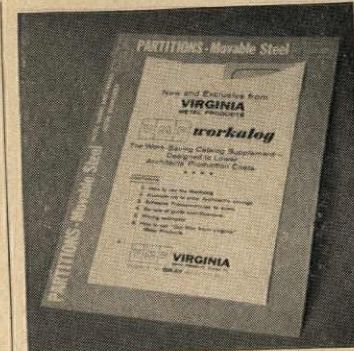
**Cold Interiors**

A comprehensive guide to manufacturer's prefabricated walk-in refrigerators and refrigerated warehouses gives

component sizes and details for installing them on several types of floors. Also, catalog recommends refrigeration equipment sizes and architectural specifications. 32 pages. Bally Case & Cooler, Inc., Bally, Pa.

On Readers' Service Card, Circle 225

**Specs for Movable Steel Partitions**



Information on movable steel partitions includes guide specifications, adhesive transparencies of partition details at scale of 3" to 1', and pricing estimator. Virginia Metal Products, Div. of Gray Mfg. Co., Orange, Va.

On Readers' Service Card, Circle 226

**Street Furniture**

Detailed drawings and photographs illustrate glass-fiber-reinforced-plastic street furniture such as benches, trash receptacles, and planters. Furniture available in 11 colors and several textures. 18 pages. Architectural Fiberglass, 2020 S. Robertson Blvd., Los Angeles, Calif. 90034

On Readers' Service Card, Circle 227

**Plan Files**



Catalog illustrates systems for filing large sheet materials such as prints, drawings, or maps. Systems include vertical hanging files and square, pigehonhole files for rolled-up

sheets. 16 pages. Plan Hold Corp., P.O. Box 3458, Torrance, Calif. 90510

On Readers' Service Card, Circle 228

**Dumbwaiters**

Brochure describes construction, sizes and operating mechanism of manual, automatic, and automated dumbwaiters. 8 pages. Energy Elevator Co., 47th and Chestnut Streets, Philadelphia, Pa.

On Readers' Service Card, Circle 229

**Drawing Printer**

Brochure gives brief specifications and descriptions of office machines for developing and printing whiteprints. Models take prints up to 42" wide. Reproduction Engineering Corp., Essex, Conn.

On Readers' Service Card, Circle 230

**Concrete Suggestions**

Eighteen data sheets illustrate structural concrete details for large and small projects. Subjects covered include concrete floor joints, flat-plate slabs,

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

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

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

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

■ **Potpourri** is the key word to the February issue of **PROGRESSIVE ARCHITECTURE**. From a witty comparison of medieval surgeons and contemporary architects to an account of the usage of modern churchbell systems, the range is wide, the tempo exciting.

■ Highlighting the February issue is an exploration of the validity of "bareness" in modern architectural design—Why does today's trend of "barely nothing" outprice its more ornate functional predecessors? Next is a thought-provoking psychological approach to the use of ceiling patterns to create an aura of orderliness in a boys school plus a report on a new luxury low-cost housing redevelopment project in Lower Manhattan.

■ You won't want to miss this February issue of **PROGRESSIVE ARCHITECTURE**. It's yours, plus eleven more exciting issues when you fill in the "SUBSCRIPTIONS" section on the Reader's Service Card bound in this issue. (See Table of Contents for page number of Reader's Service Card.)



exposed aggregates, shells and curtain wall joints. Portland Cement Association, 33 W. Grand Ave., Chicago, Ill. 60610.

On Readers' Service Card, Circle 231

## Surfacing

### Strong-Grained Wood

"Spiced" Maple, a Canadian hardwood, is explained; its suggested uses (mainly furniture, paneling, and flooring) are illustrated; and its characteristics and processing techniques specified in 10-page brochure. Canadian Hardwood Bureau, Canadian Lumberman's Assn., 27 Goulbourn Ave., Ottawa 2, Ontario, Canada.

On Readers' Service Card, Circle 232

### Welsh Quarry Tile

"Heatherbrown" Welsh quarry tile manufactured by Dennis Ruabon Ltd. of North Wales and produced in natural earth colors is resistant to acids, stains, fire, and frost. Tile is available in rectangular, square and hexagonal shapes. It is nonslip and nonabsorbing for heavy traffic areas. Brochure shows typical installations in color, design patterns, and stock sizes available. 4 pages. Architectural Specialties Inc., 850 South Van Ness, San Francisco, Calif. 94110.

On Readers' Service Card, Circle 233

### Against the Grain

Cross-grain fir blocks for flooring are available in tongue-and-groove sections varying in length from 2' to 8'. Claimed by manufacturer to be highly durable, resilient and resistant to heat and cold, the blocks are suitable for large industrial installations. 4-page leaflet with brief specifications and photos. Tree Products Co., P.O. Box 496, Lake Oswego, Ore.

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## PROGRESSIVE ARCHITECTURE NEWS REPORT

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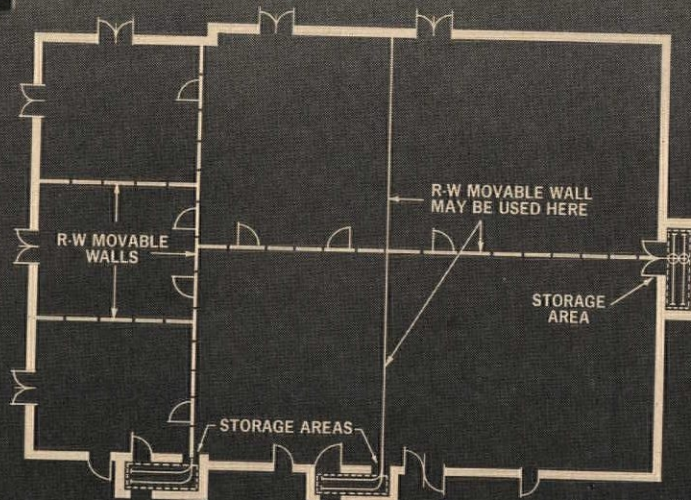
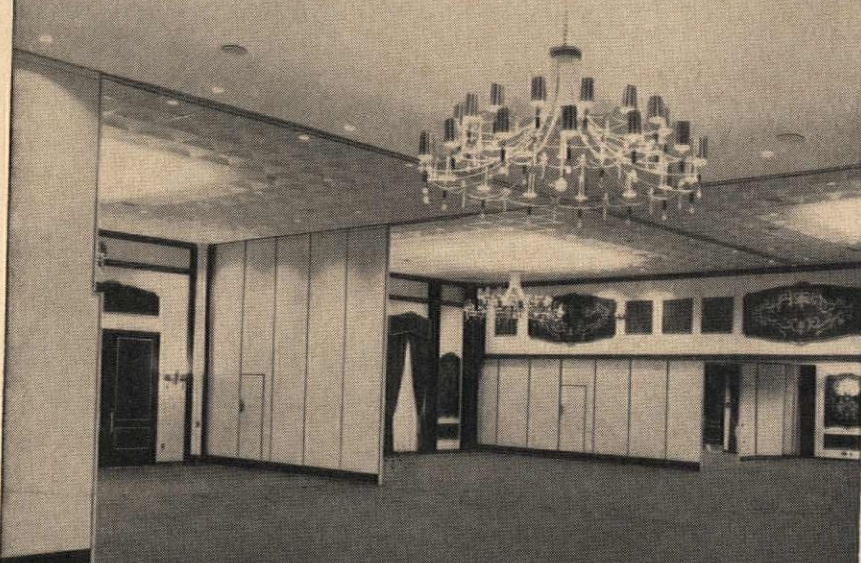
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January 1966

# Richards-Wilcox

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**RICHARDS-WILCOX DIVISION**

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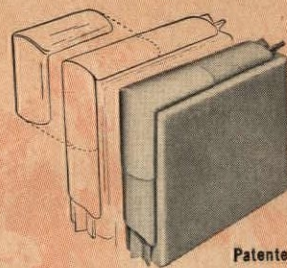
On Readers' Service Card, circle No. 360

Manufacturers' Data 89

On Readers' Service Card, circle No. 372 ▶



# Why cover the corner when you're going to paint it?



Patented U.S.A.

Every exposed corner of every Weis toilet compartment —  
partition, door and stile is capped with a stainless steel  
corner reinforcement. Eliminates destructive  
welding, brazing and grinding which removes protective zinc coating.

*Another Weis idea for greater  
protection—longer life!*

