

# P/A NEWS REPORT

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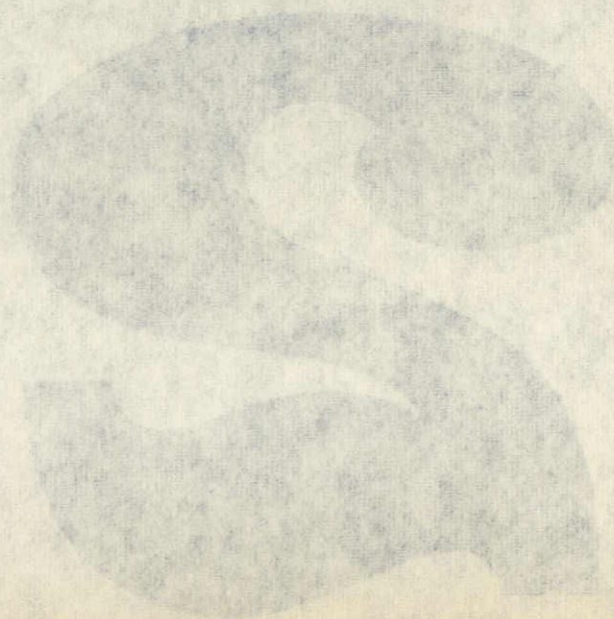
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# P/A NEWS REPORT

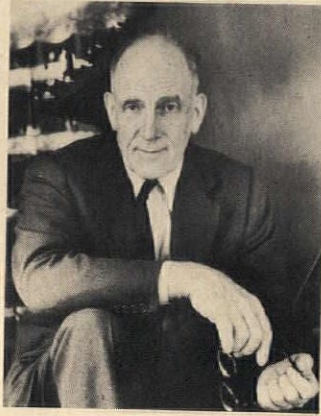
*Progressive Architecture's Monthly Digest of Buildings, Projects, People and Products* February 1967

## HARRISON TO RECEIVE AIA GOLD MEDAL

WASHINGTON, D.C. In May, Wallace K. Harrison will become the thirty-third recipient of the Gold Medal of the AIA. It is, of course, the highest honor granted by the AIA in recognition of "most distinguished service to the profession of architecture or to the Institute." Harrison, whose commissions have included many of the most important buildings constructed in this country during the past 30 years, has displayed a diplomat's skill in working both with clients and with teams of some of the world's most prestigious architects. Probably his best known display of this skill was as director of planning for the United Nations buildings in New York. Although many feel that the final solution was a sadly watered-down version of Le Corbusier's original scheme, his team of 17 architects from 10 countries, including Corbu and Oscar Niemeyer, produced a unanimously agreed upon design in less than three months, a feat once called the architectural equivalent of the four-minute mile. It is perhaps less well known, but indicative of Harrison's character, that when his firm was selected to oversee construction of the U.N., he took no fee, working only for costs.

Appropriately, at one point during World War II, Harrison was a diplomat, serving as Director of the Office of Inter-American Affairs.

Speaking of Harrison's special talent, architectural historian Talbot Hamlin once said, "He's been so phenomenally successful in gaining the confidence of businessmen that they've begun to accept innovations in modern architecture more readily than they ever did before. Thanks to him, many business leaders have actually become enthusiasts for the best in progressive design. Harrison has won a new kind of respect for the entire profession. I shudder when I think what could have happened if the same opportunities had fallen into the



hands of a man who was less responsible, or less creative, or both."

Much of Harrison's growth as an architect and diplomat came during the 30's, when he was the youngest of a team of architects working on the design of Rockefeller Center. Back in 1954, a three-part profile on Harrison in the *New Yorker* told of a meeting between the Center's architects and John D. Rockefeller, who conceived and financed the project. Rockefeller had lived in an era of rococo office buildings, with fluted columns and Gothic arches and intricately carved cornices. He envisioned the same sort of structure for the RCA building and told the architects so. According to the *New Yorker*, the architects listened until Rockefeller had finished; then Harrison blurted out, "Goddamn it, Mr. Rockefeller, you can't do that! You'll ruin the building if you cover up its lines with that classical gingerbread."

In the past 14 years, Harrison has won three national awards from the AIA: In 1953, for the Corning Glass Center in New York; in 1956, for the Interfaith Center at Brandeis University; and, in 1964, for the University of Illinois Assembly Hall.

Although Harrison's architectural solutions have rarely measured up to the stature of his commissions, and although his designs have seldom shown bold innovations, he has left his mark on 20th-Century architecture. "I don't have time

to worry about style when I'm working on a building," he told a reporter recently. What he does worry about is pleasing the people who have to use his buildings. He has a host of satisfied clients, if not satisfied critics. It is, in large part, his role in making contemporary architecture acceptable to the public that makes the Gold Medal a fitting tribute.

## BUILD NOW — OR YOU MAY PAY MORE LATER

What will the construction market be like in 1967? Most pundits, basing predictions on 1966's economic slowdown, are cautious. Yet 1966 was the best year the U.S. construction industry ever had. By the end of the year, more money had been spent on construction — \$76 billion — than in any previous year, and profits, also, were riding at record industry levels. This boom took place despite the sharp — and widely publicized — drop in housing, one of the largest segments of the construction field. Most economists agree that housing will continue its weak position in 1967, but just what all this will mean for architects is hard to tell. According to P/A's annual business survey, architects will gain an increasing share of the housing market. Their share has, traditionally, been a small one, but as more people realize the contribution architects can make, and as money available for mortgages eases, architectural work in housing should pick up.

There is a seeming paradox in the prediction of this increased activity, for, with increased inflation, costs have risen and building will cost more this year than last. A potential home builder will gain nothing in waiting for a more advantageous interest rate. Labor costs alone rose an average 6.6% in 1966, and costs of building materials are starting to rise too. This has

put the cost of home building significantly above what it was a year ago (as much as 5%), enough to eclipse any rise in interest rates. In light of this, it seems wise for architects to advise clients worried about the money market to go ahead with building plans. Besides, as prices continue upward, many observers expect only a slight easing of interest rates, perhaps between one-quarter and one-half of 1%. In short, if you don't build now, you may well pay more later.

## THE ENVIRONMENTAL INSULT

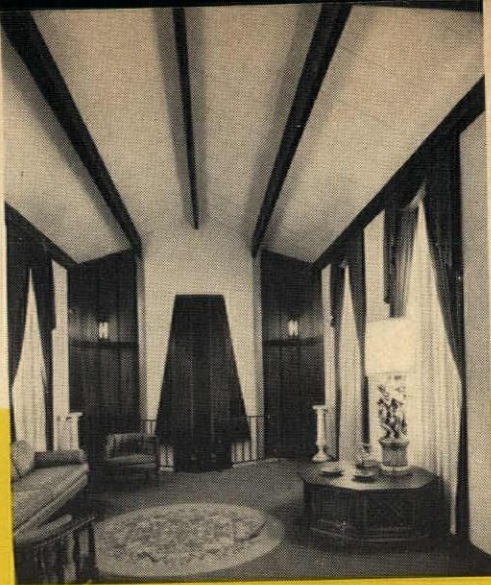
*"What a blessing it would be if we could open and shut our ears as easily as we do our eyes."*

GEORGE PICHENBERG,  
18th-Century physicist.

In New York City, a hostess has a summer party for about a hundred friends. On her patio, a rock-and-roll band, with all that electronic equipment, plays dance music. Her patio, walled on all sides by high apartment houses, forms a sort of natural echo chamber, and, with the volume turned up, the music coming from the electronic amplifiers reaches close to the threshold of pain (120 db). After a while, the police arrive, summoned by the neighbors.

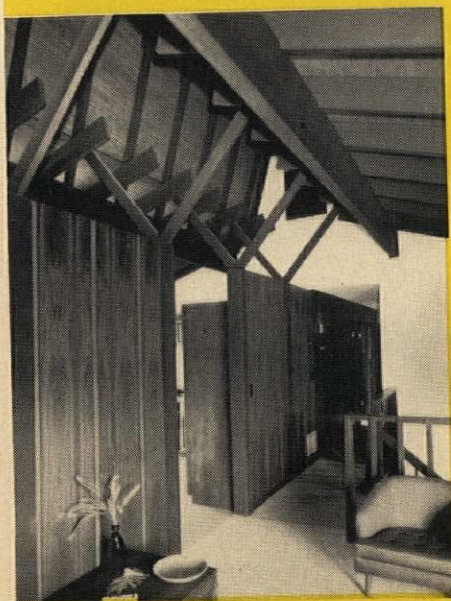
At Carswell Air Force Base near Fort Worth, Texas, jet planes scream off runways into the sky with a roar (140 db) that would be literally deafening to persons directly in its path. Each morning, children there file into an underground school where they can study, oblivious to the chaos above them.

A housewife in Sioux Falls, South Dakota, has the kitchen radio going as she does the ironing; also going are the dishwasher and garbage disposal, producing such a din (80 db, about the noise level in a DC-3 cockpit) that, when her mother-in-law calls on the



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phone, she has to move to the living-room extension.

Secretaries in a large office building in Atlanta work amid the clatter of typewriters, the jangle of ringing telephones, and the clank of automatic computers (75 db).

In a Chicago apartment, a musician, employed at night, manages to sleep during the day despite the rumble of truck traffic (85 db) on the street outside. Then a jack hammer starts up (125 db), repairing a gas main.

Like most of unfortunate humanity, these people are caught in the grip of a technological age. Although noise, one of the major by-products of this technology, is something that most people can ignore some of the time, studies show that the continued effects are highly damaging, both physically and mentally. And, as more and more persons crowd into cities, noise increases. According to one source, the average noise levels in cities have risen about one decibel per year for the last 30 years. One scientist long concerned with the effects of noise said recently: "Research has shown that noise as an external irritant can play a serious part in the development of cardiovascular disease, nervous and mental illness, and a number of other diseases."

Most current research on the effects of noise has centered on damage to hearing, merely because this is the most obvious result. Prolonged exposure to levels greater than 90 db results in decreased hearing. Italian borax well drillers who work constantly in a noise over 130 db put plugs of wood putty into their ears. If, for some reason, the plugs slip or fail to fit snugly, the workers become immediately and permanently deaf. Scientists estimate that, in the U.S., a person exposed for 20 or so years of his adult life to the constant din of an ordinary noisy environment loses about a decibel per year of his hearing ability.

But the damage from noise goes far beyond hearing loss. One scientist found that even periodic exposure to the shrill scream of sirens produced heating of the skin (rats and guinea pigs have died of this increased body temperature), and that there was an appar-

ent weakening of the muscular structure. A recent article in *Harper's* magazine reported that a test in Oklahoma City showed that after 10,000 chickens were subjected to the boom of supersonic jet testing twice a day for six months, only 4000 were still alive. They sustained hernias, internal bleeding, loss of feathers, rupture of reproductive organs, and could lay no eggs.

Such effects are, of course, not so immediately apparent in the human animal, but over half a century ago, Dr. Robert Koch, a Nobel Prize winner in medicine, predicted: "The day will come when man will have to fight merciless noise as the worst enemy of his health, as he did long ago with cholera and plague." And the World Health Organization, which has been studying noise, points out that "it is rapidly becoming more pernicious than air or water pollution."

More important than noise itself seems to be an individual's reaction to it. Our reaction to noise, like our response to the Doublemint Gum twins, is highly personal, and the most damaging noises are not necessarily the loudest but rather those one finds frustrating or irritating. Teenagers bouncing to the beat of a rock-'n'-roll record call the sound music; their father in the next room, trying to read his paper, has a different name for it. Noises can be annoying because of their unexpectedness (sonic boom), their unattractiveness (traffic noise), their intermittency (they recur but not at exact intervals), or because you cannot locate or identify them.

There have been attempts in the U.S. to control noise, but, for the most part, they have been futile and limited. It is both ironical and typical that when New York City Congressman Theodore Kupferman, one of the country's most enlightened spokesmen on noise control, read 23 pages of testimony—including a bill for noise control, which never got out of committee—into the *Congressional Record* last spring, he was followed immediately by Congressman Pucinski of Illinois, who congratulated the FAA for allowing jets into National Airport.

This apathy exists despite findings that noise reduction leads to greater worker productivity and a lower turnover rate in apartments and housing. One estimate states that office workers spend 20% of their time fighting noise, and that, in all, noise may cost

against automobile horns knows what a difference it makes. They also put rubber wheels on Paris subway trains and recently talked Montreal into doing the same. In both Germany and France, garbage cans must be covered with rubber or plastic. West



Photo: World Wide

American industry as much as \$4 billion a year in lost production and accidents. An insurance company that soundproofed its offices found that typing errors went down 29%, that machine operators made 52% fewer mistakes, that absenteeism dropped 57%, and employee turnover dropped 47%.

Even when noise controls are enacted, they are difficult to enforce, which is again partly attributable to a far-reaching apathy. Contractors in Coral Gables, Florida, for example, found that, when noise-control legislation was passed last June, they could not install air-conditioning units in homes until manufacturers had made them quieter. Memphis, Tennessee, has been a pioneer in enforcing strict noise control, and for a while, until the Council was disbanded, that city won the Noise Abatement Council's annual award as the U.S.'s quietest city. It had little competition.

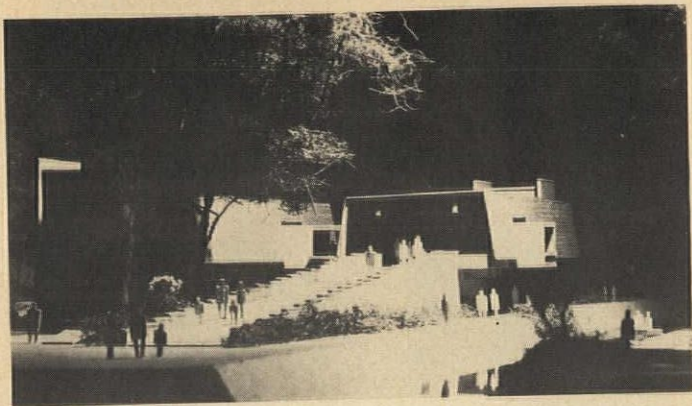
Europeans who have been noise conscious for some time look on Americans as barbarians where noise is concerned. In 1954, municipal authorities in Paris put gongs and two-tone horns on fire engines and ambulances. And anyone who has experienced the effects of that city's ordinances

German police issue summonses to persons whose radios are audible outside their houses. In England, any three persons may sign a complaint against someone responsible for objectionable noise and have him summoned to appear in court.

Although New York City recently passed an ordinance making it mandatory for apartment builders to limit the noise of passing aircraft heard inside buildings to 45 db; this level is as much as 15 db higher than a level thought necessary for steady, uninterrupted sleep.

Architects, of course, have a large responsibility in making our cities quieter places in which to live. Robert H. Tanner summed it up in a recent article in the *Journal of the Royal Architectural Institute of Canada*. "Up to now," he wrote, "too much attention has been given to the dangers of hearing loss in factories, etc., which is more a matter to be dealt with by employers, than to the problems of tension and fatigue. The architect who keeps these latter in mind in the design of all his buildings, and seeks the right kind of expert advice, will be contributing in no small manner to the quiet, the relaxation, and perhaps the peace of the world."

## PAVILION BY THE FALLS



GREAT FALLS, VA. A small (11,500 sq ft) visitors' center for Great Falls's park, alongside what remains of the Potomac Canal, will get under way shortly. Designed by Kent Cooper & Associates of Washington, D.C., the center will be located between newly created parking areas and the Great Falls. The National Park Service, which operates the park, hopes visitors on the way to viewing platforms over the falls will pass through the building for an historical briefing. The center will contain an exhibit area, an auditorium seating 143, adminis-

tration offices, and concessions. A terrace will provide room for outdoor dining.

The architects have chosen a concrete block matching the original canal lock stone walls in color. Because of possible flooding, public areas are on the building's second floor and are approached by a gently sloping ramp, which provides an inviting entrance. The concrete floors of these public areas will be cantilevered beyond the exterior walls to provide sheltered areas outside for visitors caught in the rain.

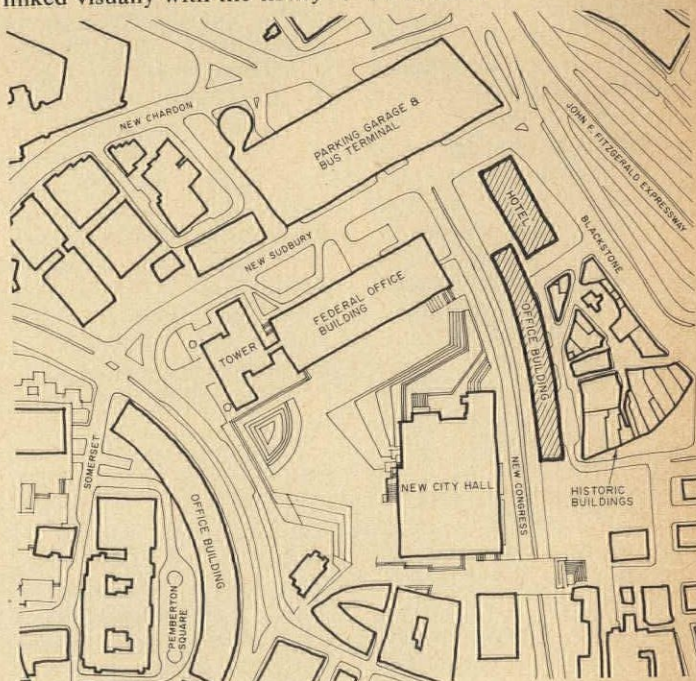
The project is expected to cost \$323,000.

of New York City working with the Parcel 7 Corporation, shows an eight-story office building, curved slightly as it stretches across the site. The City Hall will be reflected in its glass curtain-wall façade. It is raised one story above grade on concrete supports, allowing a ground-level viewer to see through the glass-enclosed lobby. In this way, the older section of the city is linked visually with the newly

developed Center.

To the north of the offices will be a 14-story hotel, also with a see-through lobby and with below-grade parking for 150 cars.

The project is still in the design stage. At present, it is estimated that the office building will offer a total floor area of 251,300 sq ft at a cost of \$7,439,000; the hotel will provide 216,000 sq ft at a cost of \$6 million.



## DEFINING THE GOVERNMENTAL CENTER



BOSTON, MASS. Latest proposed addition to Boston's Governmental Center is the hotel-office building complex shown here. The Boston Redevelopment Authority wanted a building that would define the eastern perimeter of the Center, forming a backdrop for the new City Hall, while at the same time acting as a transition between the Center and the older historic buildings of the Blackstone Block section beyond. The solution they selected, designed by Raymond & Rado



## U.S. GYPSUM REHABILITATION PROJECT SUCCEEDS

NEW YORK, N.Y. When U.S. Gypsum decided in July 1965 to enter the rehabilitation business, it estimated that 58,000 buildings in New York City alone were ripe for their efforts. They pegged the market at from \$5 billion to \$7 billion. After completing a pilot project — the rehabilitation of six tenement buildings in Spanish Harlem — they were so pleased with the results that plans are afoot to expand the program throughout the country. Already the company has purchased six additional tenements, and is buying six more in Cleveland. It is also considering projects in Chicago, Los Angeles, Philadelphia, Atlanta, San Francisco, and Oakland.

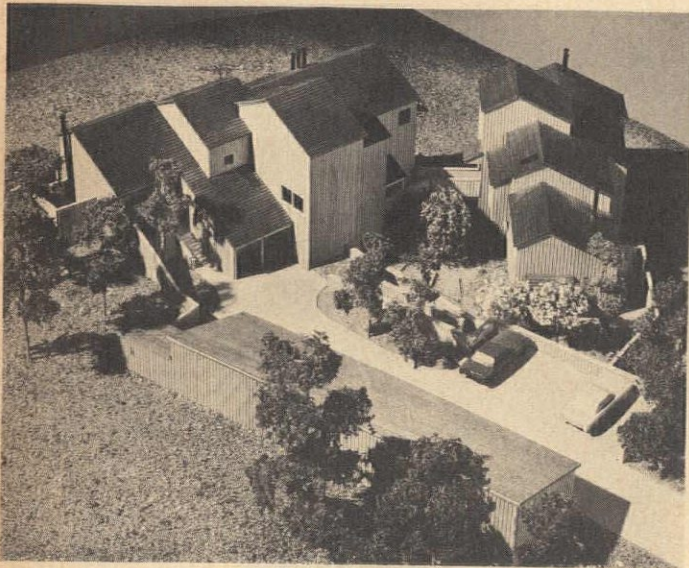
Gypsum's first six buildings (see p. 45, JANUARY 1966 P/A) came in at a cost of about \$11,500 per rehabilitated unit — half the cost of demolishing the buildings and putting up new ones. Federal

funds provided financing at an interest rate of about 3%, and additional help came from city tax laws, which make the structures tax free for 10 years. U.S. Gypsum plans to turn them over to a neighborhood nonprofit group, Metro East Housing.

While work on the project was underway, tenants were moved into the building next door (one building was done at a time), then moved back in when the job was completed. And although rents are now more than double the \$20 to \$40 per month former rate, apartments are now more spacious, cleaner, and are equipped with up-to-date facilities.

U.S. Gypsum sees its rehabilitation work as an outlet for its home building products. For the Harlem project, they contributed several new ones, including a metal studding system and a gypsum slurry for floors.

## ADDITION TO SEA RANCH



SEA RANCH, CALIF. Scheduled for construction next year is a Guest House/Condominium along the rugged California coast at Oceanic Properties' Sea Ranch (pp. 120-137, MAY 1966 P/A). To be built up the slope behind the existing condominiums, designed by Moore, Lyndon, Turnbull & Whitaker, it will be located close to another grouping of condominium apartments designed by Charles Moore and a store and restaurant designed by Joseph Esherick. The proposed Guest House/Condominium, the work of the San Francisco firm of Marquis & Stoller, will match its neighbors in style.

After considering a single-

story arrangement, the architects decided that such a solution would be too incohesive, relating poorly to the more compact adjacent buildings. They therefore decided on multistory structures grouped in a complex that is roughly triangular. This triangle is formed by two groupings of housing blocks with multilevel shed roofs, one facing down the coast, one up, both avoiding a view of the housing directly below; the third arm of the triangle is formed by a car shed.

The architects feel that their cluster arrangement provides a sheltered feeling in the midst of the vastness of the sea and grassland.

## LYNDON TO MOVE TO MIT

CAMBRIDGE, MASS. By the start of the fall term, Donlyn Lyndon, 31, will become chairman of the Department of Architecture at the Massachusetts Institute of Technology. He moves to MIT from the University of Oregon, where, since 1964, he has headed the architecture department.

Lyndon received his M.A. in architecture from Princeton University in 1959, and spent a year as a Fulbright scholar studying Hindu temples in the Far East. He has lectured and written widely on architecture, and this month becomes the new editor of the *Journal of the Association of Collegiate Schools of Architecture*.

As a partner in the firm of Moore, Lyndon, Turnbull and Whitaker of Berkeley, Calif.,



Photo: Lee Wiener

he has been responsible for some highly acclaimed designs, notably Sea Ranch on the California coast north of San Francisco (see pp. 120-127, MAY 1966 P/A).

Lyndon told P/A that he

would, of course, continue to practice architecture and work with his partners. "We have to decide how we will handle the arrangement," he commented, "but we will definitely be working with one

another."

Lyndon takes over MIT's architecture department from Dean Lawrence B. Anderson, who has been acting chairman, as well as dean, since 1965.

## CIRCULAR CAPITOL FOR NEW MEXICO



Photo: Eyewitness Photography

SANTA FE, N.M. In 1860, the Palace of the Governors in Santa Fe was large enough to house "more than a thousand persons, 5000 head of sheep and goats, 400 horses and mules, and 300 head of beef cattle, without crowding." Dedicated last month in Santa Fe was the U.S.'s newest State Capitol, which, with 232,206 sq ft of space in its four stories, could hold almost as much livestock as the old Palace. It has underground parking space for 167 cars, chambers and offices for the state Senate and House, legislative offices, lounges, and committee rooms. The design (1) by W.C. Kruger & Associates is in the shape of the Zia Indian Pueblo sun symbol, shown emblazoned on the floor of the central rotunda (2). Kruger's original design for the capitol (3), which he called a "monumental pueblo," met with such a storm of protest in this community, which is intensely conscious of its 356-year history, that it was substantially redesigned. (For a still earlier plan, see p.



Photo: Dick Kent Photography



69, MAY 1963 P/A.) He substituted a more traditional territorial feeling, one in keeping with Santa Fe's passion for adobe construction. It has a façade of adobe colored concrete.

The capitol's \$4,500,000 cost has been financed by state severance tax bonds.

## PERSONALITIES

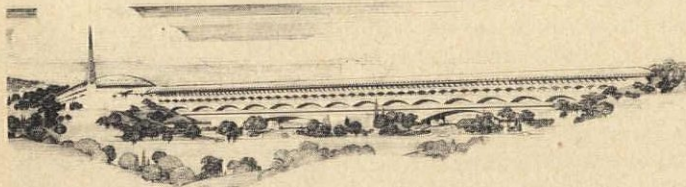
**Donald A. Ostrower**, partner in the firm of Vollmer Ostrower Associates of New York City, has been elected president of the New York Association of Consulting Engineers . . . The American Institute of Consulting Engi-

neers has chosen **Richard O. Walker, Jr.**, as its president for 1967. Walker is vice-president of Abbott, Merkt & Co., Inc., New York architects and engineers . . . New president of the Hawaii Chapter, AIA, is **Edward Sullam** . . . **Edward**

**Durell Stone** was honored for "services to mankind" by the construction industry at its annual dinner on behalf of the Federation of Jewish Philanthropies . . . P/A Design Awards winner **Robert Venturi** is among the most recently designated trustees of the American Academy in Rome . . . **Jose Luis Sert, Dr. John Ely Burchard, Hans Hollein, William Kessler, and William Morgan** will comprise the jury for the 1967 Reynolds Memorial Award for Architecture with Aluminum . . . **Morten Awes**, an architectural student at California State Polytechnic College, has been designated president of the Associated Student Chapters of the AIA . . . **Dr. Winston R. Weisman**, professor and head of the department of art history at Pennsylvania State University, has been appointed special consultant to the Landmarks Preservation Commission of New York City . . . **Richard L. Hartung**, architect, has been appointed Educational Director of the Indiana Limestone Institute

. . . **Professor Frederic D. Moyer** of the University of Illinois department of architecture has been elected president of Scarab, a national professional organization of the environmental design fields . . . New chairman of New York City's Housing Authority is **Walter E. Washington**, who comes to New York from the National Capital Housing Authority . . . Brazil's best-known architect, **Oscar Niemeyer**, has been commissioned to design the new seat of the French Communist Party in Paris . . . Eighth chairman of New York's City Planning Commission is **Donald H. Elliot**, former Special Council to the Mayor . . . Head of a newly formed group appointed by HUD secretary Robert C. Weaver is **William L. Slayton**. The group is to advise and assist in implementing the Model Cities Program . . . **Graham J. Morgan**, President of United States Gypsum, has received HUD's Urban Pioneer Award for his company's efforts in rehabilitation.

## WRIGHT'S SHIP OF STATE

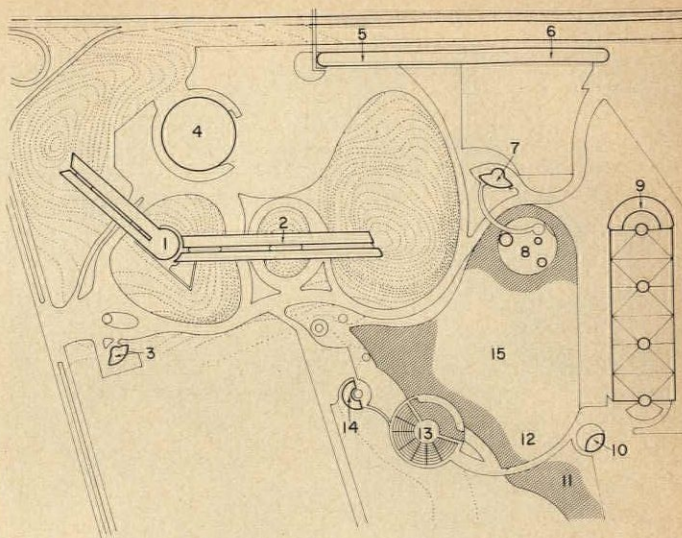


SAN RAFAEL, CALIF. In 1957, shortly after he was selected to design the Marin County Civic Center and Fairgrounds, Frank Lloyd Wright told the people of the county, "A good building is not one that hurts the landscape, but is one that makes the landscape more beautiful than it was before. . . . In Marin County, you have one of the most beautiful landscapes I have seen, and I am proud to make the buildings of this County characteristic of [its] beauty."

Typically, Wright saw his buildings, which were to be sited in the rolling hills above San Francisco Bay, as examples to government officials throughout the country.

Although Wright finished the plans for the Civic Center and Fairgrounds just before his death in April, 1959, only one structure has been com-

pleted: the Marin County Administration Building, opened in October 1962. Now construction is underway on the Hall of Justice, a mirror-image wing of the administration building. Resting on the brows of three hills, the Hall will have two roadways running beneath it, through arched culverts. The curve of these culverts is reiterated in the gentle, repetitive arches of the windows in the building above them, the arches being reminiscent of gentle swells on the sea. But the feeling generated by the Administration Building, as one comes upon it, is not so much one of the sea, as of a ship riding the green-brown hills. It even has a concrete prow. (Did Wright have a ship of state in mind?) Like the Administration Building, the Hall of Justice will have an open cen-



(1) Administration Building; (2) Hall of Justice; (3) Post Office; (4) Veteran's Auditorium; (5) Public Health and Welfare; (6) Warehouses; (7) Children's Zoo; (8) Children's

Island; (9) Exhibition Pavilion; (10) Restaurant; (11) Yacht Lagoon; (12) Bridge; (13) Amphitheater; (14) Senior Citizen's Building; (15) Lagoon.

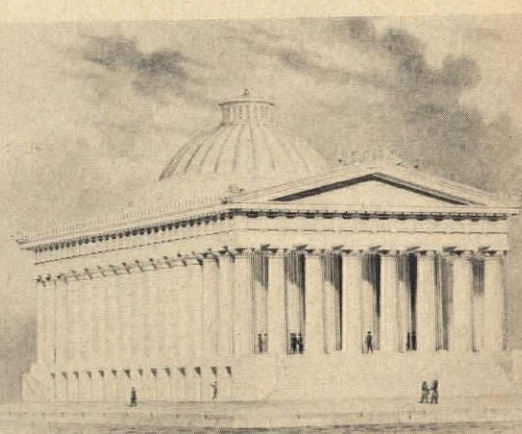
tral well running the length of the structure, covered by a plastic skylight.

If work proceeds on schedule, the Hall of Justice will be completed in 1968, and the Superior and Municipal Courts, as well as the District Attorney, the Sheriff, the county jail, and supporting agencies will move in.

Wright also completed

plans for a Health and Welfare building and for fair-ground structures, including an amphitheater seating 3000 persons and an exhibit pavilion. Work on these will proceed as funds become available. Current work is being carried out by Taliesin Associated Architects and Aaron G. Green of San Francisco, associated architect.

## A.J. DAVIS (1803-1892)



NEW YORK, N.Y. On display through February 15 at the Metropolitan Museum of Art is a selection of project drawings of architect Alexander Jackson Davis. Davis, whose most active period was during the mid-19th Century, designed buildings of almost every type, mostly in either Greek or Gothic revival styles. Many of Davis' watercolor paintings of his projects include lush vegetation, trees,

bushes, grass — an unspoiled landscape that attracted him greatly. He is credited today with being among the first architects to insist that a building relate to its natural site. Shown here is his design (done with Ithiel Town) for the New York Customs House, which later (1833) became the Sub-Treasury Building and which stands today on Pine Street as the Federal Hall Memorial Museum.

## WORLD TRADE CENTER PRICE TAG INCHES UP

NEW YORK, N.Y. The cost, if not the height, of the proposed World Trade Center is inching upward. The height of the Center's twin towers, each 1350 ft, will, as everyone knows, make them the tallest buildings in the world, and their cost, if some sidewalk critics are correct, may place them among the most expensive. Revised cost estimates, released in time to greet the new year, called for an anticipated total cost of \$575 million. This figure was up \$50 million from the last estimate, an increase of a significant \$305 million from the original \$270 million estimate. According to Lawrence A. Wein, head of a syndicate that operates the rival Empire State Building, the total cost

will approach \$1 billion. Wein points out that Gov. Rockefeller has twice mentioned a \$650 million price tag.

The official revised estimate was increased for three stated reasons: delays caused by unsuccessful lawsuits against the project; upward spiraling costs of labor and materials; and cost of the redesign of the low-rise buildings, which form an enclosed courtyard at the base of the towers. The center's designers, Minoru Yamasaki & Associates (Emery Roth & Sons are associated architects) made minor changes in these buildings' façades and siting last year.

Foundation work on the center, which is scheduled for occupancy in 1972, is now under way.

## MASTER PLAN FOR SKOPJE

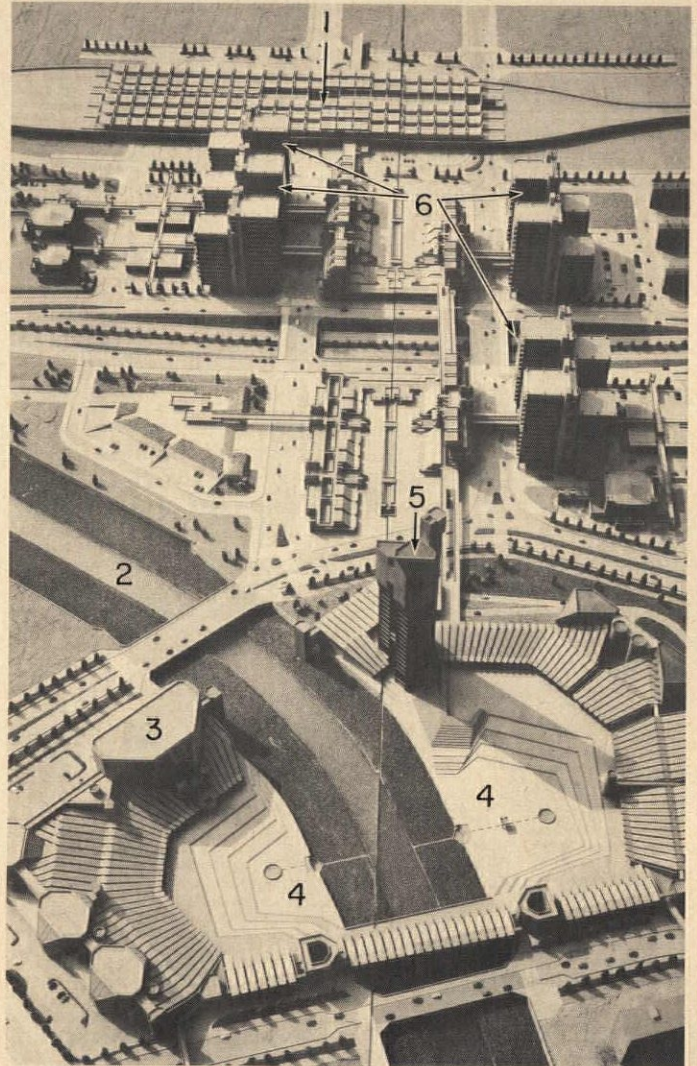
UNITED NATIONS, N.Y. Adolf Ciborowski, the Polish city planner who is supervising the reconstruction of Skopje, the Yugoslavian town leveled by an earthquake in 1963, was in New York recently for meetings at the U.N. Ciborowski, a large, genial man, dresses in a middle European style, but with a flair. He is neat and well organized, and his work shows it. As reconstruction manager, he coordinates an international team of planners and architects, a job that takes both diplomacy and professional skill. Ciborowski's skill first attracted international attention following World War II, when he

planned the rebuilding of Warsaw.

The United Nations contribution to the work in Skopje has been to assemble one of the most experienced teams of planners ever to work together on a single project. Besides Ciborowski, there is Kenzo Tange, who rebuilt Hiroshima, van den Broek and Bakema, rebuilders of Rotterdam, and Arthur Ling, who helped reconstruct Coventry. The master plan now being followed in Skopje was prepared by Polservice of Warsaw and Doxiadis Associates of Athens, and it incorporates several ideas gleaned from an international com-

petition held in 1965 (see pp. 48 and 50, NOVEMBER 1965 P/A). Kenzo Tange, winner of that competition, working with the Skopje Town Planning Institute, has completed details for reconstruction of the city center (see model photo), and work is proceeding there. Also underway is further planning for Skopje suburbs and for highway engineering, which is being done

and from east to west. The largest, most dangerous zone of seismic activity, they found, was along the Vardar River; accordingly, the largest greenbelt stretches along the river on either side of the city center. When asked about this textbook use of the waterfront, Ciborowski laughs and calls it a perfect example of theory meshing with expediency. The greenbelts separate



(1) Railway Station; (2) Vardar River; (3) Republic Assembly Hall; (4) Republic Square; (5) Offices of the

Republic Assembly; (6) Business, Administration, Hotel, Shopping.

by the U.S. firm of Wilbur Smith & Associates.

In working out the master plan, the U.N. also assembled a gold star team of seismic engineers. They wanted, of course, to minimize the possibility of a recurrence of the 1963 disaster, which claimed more than 1000 lives and left more than 170,000 persons homeless. As a result of the engineers' advice, the master plan shows greenbelts snaking through the city, dividing it roughly from north to south

residential from industrial sections. To further minimize the effect of any future earthquakes, each section of the city will have two main access roads, two sources of water supply; no natural gas will be allowed in the city.

Skopje today has a population of about 320,000 — 30,000 more than at the time of the disaster. This increase, Ciborowski points out, consists mainly of peasants who came down from the surrounding hills to work on con-



GREEN AREAS, SPORT & RECREATION  
CITY CENTER & SERVICE AREAS  
RESIDENTIAL AREAS  
INDUSTRIAL AREAS

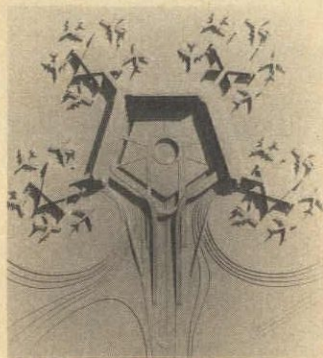
struction. There are also more homes. Fifteen thousand prefabricated units were built immediately after the quake. An additional 15,000 were added to replace destroyed buildings, and recently 3000 more were completed.

In addition, the industrial output of the town is greater now than it was before the quake. Most of the industrial increase comes from the full-time operation of a newly completed iron-and-steel mill, which was under construction before the disaster and only partially damaged by it.

Skopje's reconstruction is financed by a special fund set up by Yugoslavia's government, which contributed the greatest share. The rest was donated by other East European countries. At present, the fund is expected to finance the rebuilding program for five years.

A recent visitor to Ciborowski's temporary office on the twenty-fourth floor of the U.N. building commented on the view, which looks out over the East River to the industrial section of Queens, a drab, smog-covered area of factories and warehouses. Ciborowski laughed in a way that recalled Bella Lugosi, and said with a twinkle in his eye, "I think what we need here is a little earthquake."

## AIR TERMINAL FOR BONN



BONN, WEST GERMANY. The proliferation of air passengers and planes is choking many airports throughout the world, and the airport serving Cologne and Bonn is no exception. Designed for a capacity of 300,000 passengers a year, it handled more than twice that number last year; obviously, new facilities are needed in a hurry. Bonn's air

passenger traffic is not large compared to that of other cities in the Western world. Anchorage, Alas., for instance, handled about the same number last year, and London's Heathrow airport accommodated 12 million.

Now under construction as a new facility for Bonn is this U-shaped terminal with its star-shaped loading gates, designed by Düsseldorf architect Paul Schneider-Esleben. In all, it offers 20 loading positions. Enplaning passengers enter the terminal at the upper level. Deplaning passengers take escalators from the loading platforms to the lower level, where they collect their baggage and exit to cars and buses. All baggage checking and ticket service takes place at the boarding stations (to which passengers must carry their luggage — about 80 yds.). The terminal's upper level will house the usual supporting shops and restaurants, and on the rooftop are viewing areas for visitors. According to the architect, the new facility will be able to handle as many as 2,500,000 passengers a year.

Completion is scheduled for 1968, at an estimated cost of \$54 million.

## KENNEDY LIBRARY FACES DELAY

CAMBRIDGE, MASS. Construction of the John F. Kennedy Memorial Library, planned to go up on the Harvard University campus, may be delayed at least four years. The library, which is being designed by I.M. Pei, will be located in part on land now owned by the Massachusetts Bay Transportation Authority, which operates the Greater Boston Rapid Transit System. The delay stems from difficulties in obtaining the land.

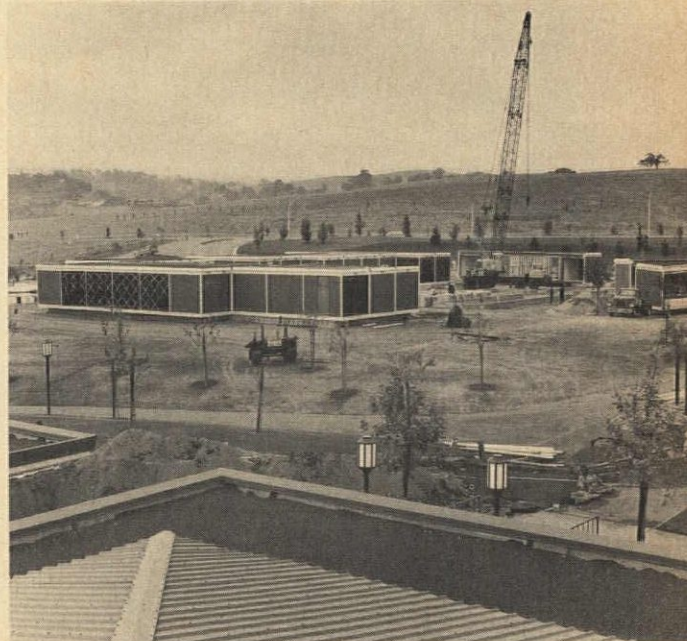
## CALENDAR

The University of Iowa's **Third Annual Sacred Music Conference** will feature a lecture by Joseph E. Blanton on "Contemporary Organ Building in Relation to Architecture." Architect Blanton will speak at the afternoon session of March 10 . . . The Alberta Association of Architects will sponsor a conference on ar-

chitectural education entitled "**Session '67**," to be held March 20-23 at the Banff School of Fine Arts, Banff, Alberta, Canada. The Pittsburgh Council for Urban Transportation will sponsor a second **International Conference on Urban Transportation** in April 1967; details to be announced soon . . . Modern dwellings will be featured at the **Eastern U.S. Modern Living Show**, Cherry Hill, N.J. The show will run April 18-22 inside the Cherry Hill Mall . . . New York City's Coliseum will be the scene of **Contract '67**, trade show and conference of the interior furnishings industry, April 25-

27 . . . The Illuminating Engineering Society plans to hold its **Third Annual Theatre, Television, and Film Lighting Symposium** May 14, 15, and 16 at the Hollywood Roosevelt Hotel, Hollywood, Calif. Write for information to: T. M. Lemons, Sylvania Lighting Center, 100 Endicott St., Danvers, Mass. . . . The **99th Convention and 17th Building Products Exhibit** of the AIA will take place May 14-18 at the New York Hilton . . . May 29-31 are the dates for the **Eleventh Annual Construction Specifications Institute Convention and Exhibit**, to be held at Miami's Hotel Fontainebleau . . .

## PREFAB LAB

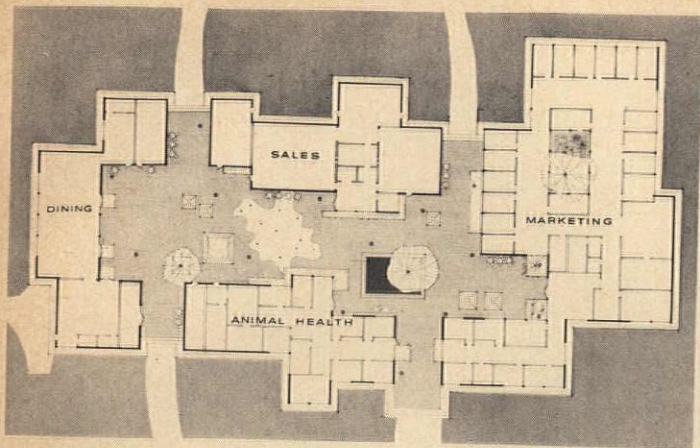


PALO ALTO, CALIF. Architects Ian MacKinley & Associates of San Francisco have arranged prefabricated trailer-sized units into a pleasant temporary building that provides generously for color, space, and light. MacKinley's client, Syntex Laboratories, Inc., a manufacturer of synthetic steroids (chemical compounds used in pharmaceuticals), found their business booming with the acceptance of birth-control pills. They needed additional space, and they wanted it right away, not in the three years it would take to build permanent facilities. While waiting for permanent buildings, they decided to put up interim ones on their headquarters site, rather than leasing space in



Photos: Tom F. Walters

town. Architect MacKinley, working with the Design Facilities Corporation, manufacturers of prefabricated units, solved the problem at a cost currently estimated to be no greater than that of leasing. D.F.C. units are 10' wide and either 32' or 60' long. Trans-



ported to the site on flatbed trailers, the units are assembled on concrete footings. A covered mall, planted with trees and spotted with benches, between units will make them a single, integrated complex. In all, there will be 23,000 sq ft of space, housing a cafeteria, conference, information and training rooms, a utility plant, and pharmaceuti-

cal and animal health marketing offices.

The D.F.C. units are framed in steel, with plywood floors and sheet metal roofs. Exterior walls will be either gray-glass curtain walls, or textured, insulated wall panels. Use of color in walls and carpeting, and fairly extensive landscaping, will soften the prefabricated effect.

## AWARDS

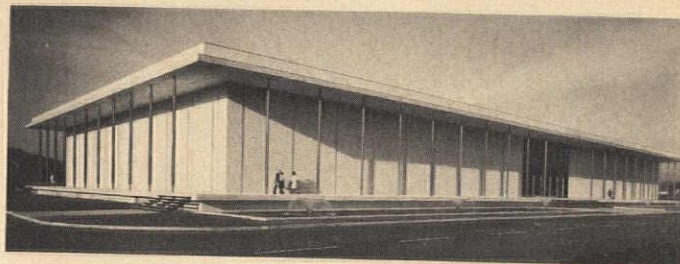
The New York Society of Architects has announced that its Sidney L. Strauss Memorial Award has been presented to the **J. M. Kaplan Fund, Inc.**, for its promotion of quality of architectural design in architectural and urban planning projects... Two Exhibition Awards for outstanding design have been given by the Southern California Chapter, AIA, to the Long Beach firm of **Hugh Gibbs and Donald Gibbs**... **Bethlehem Steel Corporation** has been presented with a Service Award by the Association of Student Chapters of the AIA. Award recognized the company's concern for the future of the architectural profession... Recipients of awards for excellence in product literature directed to architects are **Weyerhaeuser Company's Wood Products Group** and the **National Association of Architectural Metal Manufacturers**. Awards were made by the AIA in conjunction with construction industry groups... Winner of the fourth annual Jack Evans Landscape Architecture Scholarship at California State Polytechnic College at Pomona is **Jack P. Dangermond**... **Seattle** is the latest recipient of an AIA Citation for Excellence in Community

Architecture. Award was made for the Seattle Center for Cultural, Sports, and Recreation, built around the site of the 1962 Century 21 International Exhibition... **Hofstra University** in Hempstead, Long Island, N.Y., has received recognition for its new library and other structures. The Concrete Industry Board of New York cited the buildings for excellence in design and construction with concrete. From among 73 entries in an awards program sponsored by the Orange County (Calif.) chapter, AIA, four architects have been chosen to receive top honors... They are **William E. Blurock**, a winner in the commercial category, for the design of his own office in Corona Del Mar; **Richard Leitch & Associates** of Newport Beach, architect and site planner for George M. Holstein & Sons Bluffs residential development in Newport Beach; **Ron Yeo** of Garden Grove for his design of a sculpture studio in Costa Mesa for George Hall; and **Thomas Echternach**, also of Newport Beach, designer of a nursery building for Raymond O. Amling and the Irvine Company... **The Denver Chapter of The Producers' Council** has set a record by winning, for the

third straight year, the council's annual Silver Bowl Competition for excellent program planning. The chapter was cited for planning services to specifications writers, builders, building managers, and the Air Defense Command, in addition to its traditional services to engineers and architects. Also recognized were the chapters in Little Rock, Ark., Columbus, Ohio, and

Los Angeles, Calif.... **R. Buckminster Fuller** is the recipient of the Industrial Designers Society of America's Award of Excellence... At a recent meeting of the New Jersey Society of Architects, awards were presented to **Richard J. Chorlton** for a retirement community in Princeton, N.J., and to architects **Chorlton & Jandl**, for the Princeton Borough Hall...

## ARCHITECTURAL HUBRIS



"In looking for a building from the standpoint of both beauty and timelessness, our attention became focused upon the Parthenon, constructed in Athens, Greece, in 500 B.C.," said Paul Broyhill, president of Broyhill Furniture Industries of Lenoir, N.C., in describing his company's new office building and showroom. Aside from the interesting theological implications of this design approach — what takes the place of the

deity in the inner shrine? The latest bedroom "suite"? — it will be suspenseful to await reactions from Nashville, Tenn., where, of course, they have the *real* original replica of the Parthenon, done in concrete. A spokesman for Broyhill points out that "the concept and design of the windowless building were created by Broyhill's management and design staff after having studied architecture of all types and all ages."

## A VILLAGE OF FINE ARTS

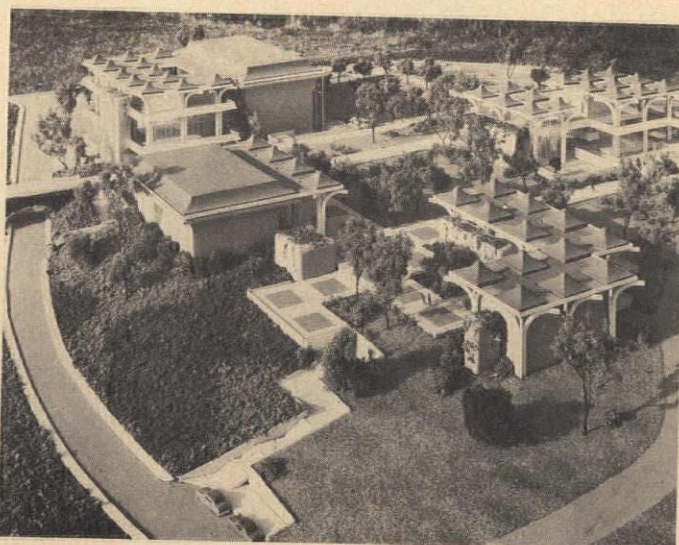


Photo: Marvin Rand

IRVINE, CALIF. Looking like a world's fair pavilion, the latest planned addition to the University of California campus at Irvine sounds like one, too. A "fine arts village," it is called, but despite the name

and the unreal appearance, this section of the campus is meant to be an integral part of the university and of university life. "Painting, sculpture, drama, music, and dance typically have been relegated



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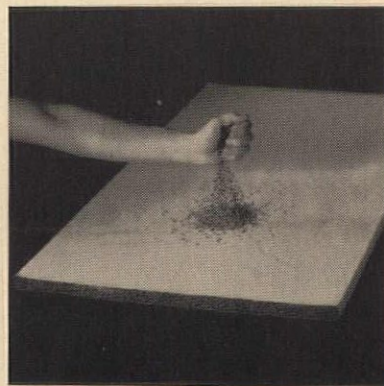
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to a back shed or the gymnasium on American college and university campuses," observed Fine Arts Dean Clayton Garrison recently. "But at UC Irvine we plan to make the fine arts a full academic partner of the sciences and humanities, as well as the center of campus and regional campus life." Architecturally, this partnership will be achieved by juxtaposition. To be constructed on a knoll near the central ring of academic

buildings and adjacent to the Mesa Court student residences, the village will be on a path traveled by students going from dormitory to class. It sounds a little like getting religion by passing the church on the way to the pool hall.

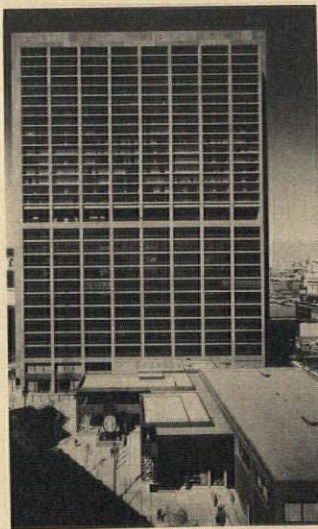
Shown here is the first increment of the 9-acre complex, which is being designed by William L. Pereira & Associates. This initial grouping is expected to cost \$2,700,000 and to be completed by 1969.

## VICTOR GRUEN'S ONE-BUILDING TOWN



SAN FRANCISCO, CALIF. Fox Plaza, a 29-story combination parking garage, shopping center, office building, and apartment tower, which opened here last year, rests on a site that in the past has been used for even *more* purposes. Its triangular plot of ground, on Market Streets at Hayes and Polk, was originally part of the Yerba Buena cemetery for Chinese immigrants. Nearby, in his father's livery stable, heavyweight champion James J. "Gentleman Jim" Corbett was born. It was in that area of the Hayes Valley that Eric von Stroheim filmed his motion picture "Greed." Finally, in 1929, Twentieth-Century Fox put up the Fox theater on the site. The Fox was one of those gilt rococo theaters of the late 20's and early 30's with cherubs, gargoyles, and red velvet drapes. "For 75 cents (evenings after five)" said a recent article in *San Francisco* magazine, "you could hear Eddie Cantor in person, talking about Ida and the five girls and singing of the value of knowing Susie as he knew her. Then 90 minutes of gripping the armchair loges while watching Warner Baxter and Lois Moran in 'Behind That Curtain.'"

When the National Gen-



eral Corporation, parent company of Twentieth-Century Fox, decided to tear down the old theater and put up an income-producing structure, there was, of course, an outcry in San Francisco. Few persons had used the Fox in recent years, but suddenly many wanted it saved.

Now, in its place, stands the Victor Gruen-designed Fox Plaza. The tallest building in that section of Market Street near the Civic Center, the Fox Plaza is also the only office structure and the only apartment house in an area mostly consisting of small retail shops. It should begin a ren-

aissance of that end of Market. Some 40,000 persons who work daily in the area now can shop in a branch of Joseph Magnin women's stores, eat in a sidewalk café, and browse in a number of shops opening off a two-level interior arcade, which sprawls beyond the high-rise part of the structure. Two underground levels provide parking space for 420 cars. Floors 3

through 12 offer 185,000 sq ft of office space. Floors 14 through 29 hold 448 apartments.

Set back on its triangular site, the building is surrounded by a landscaped plaza with trees and benches. The concrete building has a steel frame; the thirteenth floor, dividing offices and apartments, serves as the mechanical floor.

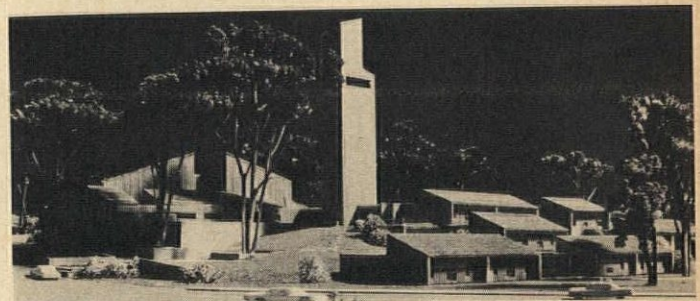
## INTERIOR DESIGN BY THE GREAT ONE

MIAMI, FLA. Jackie Gleason sold his home outside New York City to CBS recently, for a reported \$380,000. He had designed the four-room circular home himself, a structure that architectural critic Georgie Jessel once described as "a bar with a sort of house attached." Now word comes that Gleason, "The Great One," is adding to his activities, which include a weekly TV program, weekly predictions of the outcome of football games, and consumption of brew with friends. He is becoming an interior decorator. His first commission



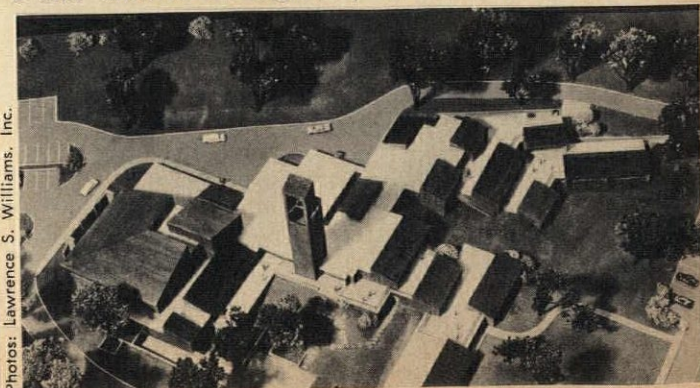
is for the public area, nightclub, dining room, and coffee shop of the Statler Hilton in Miami Beach.

## REDWOOD CHURCH IN THE GROVE



SOUTH BEND, IND. Parishioners of the First Christian Church in South Bend wanted a church that would have a domestic rather than an institutional character. It seems an entirely appropriate request at a time when much religious

practice is becoming more informal. Accordingly, architects Harold E. Wagoner & Associates of Philadelphia have designed a church that should be both inviting and comfortable. Its exterior walls will be of untreated redwood



Photos: Lawrence S. Williams, Inc.



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planks laid over concrete block; its many shedlike roofs of wood shakes. Sprawling around a central campanile, the church rises and falls with the level of the wooded, hilly site. There will be three main levels, all accessible at grade. On the intermediate level is the sanctuary, arranged to create what architect Wagoner calls a "church in the half round." Beneath the sanctuary is the Fellowship Hall and a dining terrace. On the lowest level are classrooms, all of which open to the outside, so that, during good weather, classes can easily move outdoors under the trees.

## PRIZE-WINNING PLAN UNDER FIRE IN ALBUQUERQUE



Existing



Proposed

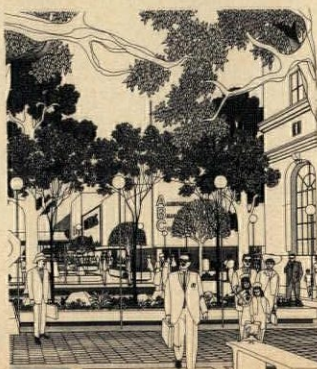
ALBUQUERQUE, N.M. "Only bums will use those benches," said a critic of the plan to beautify downtown Albuquerque. The beautification plan, which got under way in 1965, includes, of course, more than benches. But the small-mindedness of the above critic is typical of an attitude that may undermine the entire program. Perhaps one of the most carefully worked out schemes for revitalizing a downtown area put forth by any city in the country, it had, until recently, everyone's cooperation. Civic leaders, businessmen, archi-

tecs, planners, the local chapter of the AIA all cooperated on its details. Last fall, it won one of the AIA's Awards for Excellence in Community Architecture. Now, for political reasons, its chances for success seem uncertain: The chairman of the Albuquerque Metropolitan Development Committee (AMDEC), which is supervising the plan, belonged to an organization that sponsored the "wrong" candidates for the city commission. His candidates were defeated in last fall's election, and the newly elected commissioners are cool to AMDEC. Ralph Trigg, city commission chairman, recently expressed doubt about AMDEC's future.

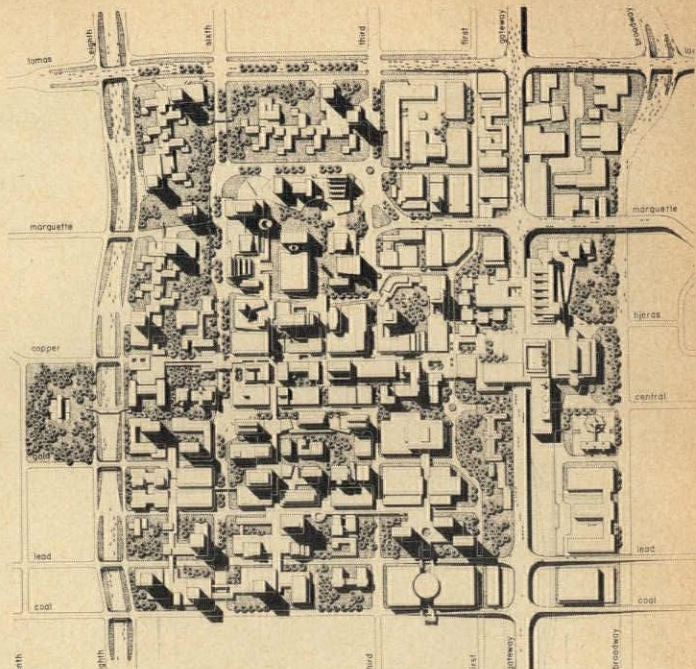
At stake is a plan that started in the urban planning committee of the local chapter of the AIA, chaired by William E. Burk, Jr. Its details, worked out by architects Ronn Ginn and Charles Quinlan, following suggestions made by Burk's committee, show changed traffic patterns, some streets turned into malls and parks, and a considerable amount of storefront refurbishing. Eventually, community buildings such as a theater and a main library will be added. The plan is intended as a guideline — one that will accommodate future changes and attract people, commerce,



Existing



Proposed



and industry to the downtown area, over a 20-year period.

A small portion of the plan is already completed, including planting boxes and those maligned benches, which line

Central Avenue.

After so many have come so far, it can only be hoped that political rivalries will not hasten the decay of downtown Albuquerque.



Existing



Proposed

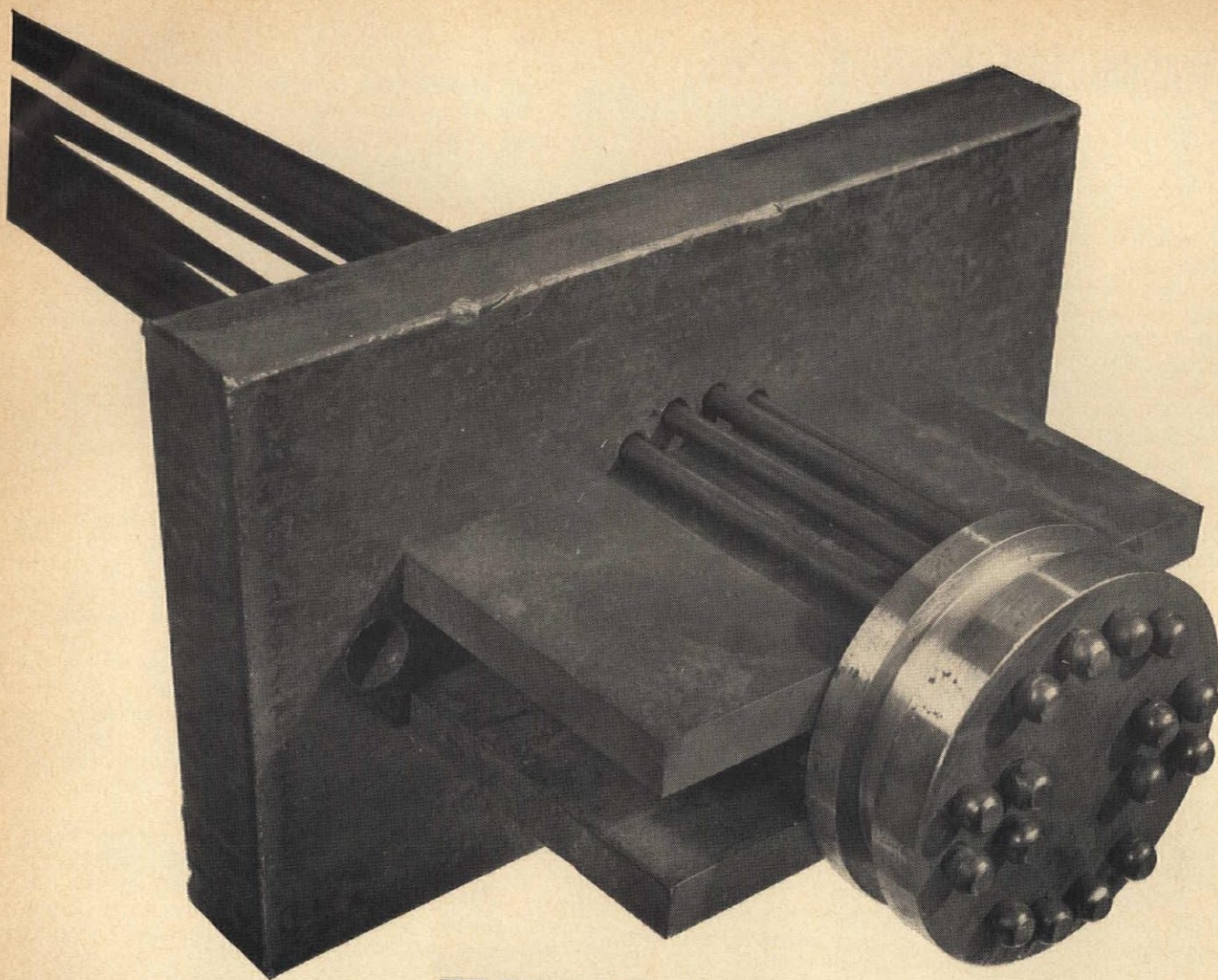
## EAVESDROPPINGS

The building [The Salk Institute for the Biological Sciences] fulfills "a need for a structure that itself possessed some of the characteristics of the living organisms to be studied in it." Dr. Jonas Salk, quoted in *Look* magazine.

"Although every age has had its proportion of junk compared to its works of value, it is my unhappy conviction that never before in the history of man, with possible exception of the Victorian era, has the proportion of junk — the man-made wasteland in the name of Art — been higher than it is now. The really exciting new visions, techniques, and materials which constitute perhaps 10% of what is currently produced —

to these new adventures we must open our eyes and our minds: They are the authentic voices of our time." Marya Mannes, speaking to the Connecticut Commission on the Arts Statewide Conference.

"Since the new opera [Metropolitan Opera House at Lincoln Center, New York City] promises to be an excellent performing house, with satisfactory acoustics, it may not matter that the architecture sets no high-water mark for the city; that it is average, rather than adventurous or avant-garde. Performance, after all, was the primary objective. It is secondary, but no less disappointing, to have a monument *manqué*." Ada Louise Huxtable.



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# WASHINGTON/FINANCIAL NEWS

By E. E. HALMOS, JR.

There was a kind of left-handed, oblique rebuttal to that recent proposal on building codes, by the Advisory Commission on Intergovernmental Relations. It was delivered by the powerful Producers Council, just as Congress was getting ready for another session.

The rebuttal, prepared for the Council by Douglas E. Parsons, retired chief of the Building Research Division of the National Bureau of Standards, came soon after ACIR's suggestion (see p. 50, JANUARY 1967 P/A) for a "national" building code to be adopted by the states.

But it was really aimed at efforts now being made by the Housing and Urban Development Department; HUD is quietly working on its own version of a national code, which it could make binding on local communities through its power of the purse.

Parsons' conclusions, after years of study, boil down to a couple of points:

□ As someone once said of democracy, the present system of building codes is complex, not always workable, and sometimes bad; but it is better than anything else yet invented.

□ A national code would not remedy defects, and could in fact result in overly rigid and less up-to-date controls.

□ A Federal agency administering such a code might become too hidebound, might not always receive enough appropriations to properly administer and constantly revise the code; thus the result would be a national code less effective and less current than the local codes now in use.

Clearly implied in the report is the fear that a Federal agency, acting at the highest levels in Washington, would not be as aware of, or sympathetic to, local conditions as a local agency, and thus would tend to insist on standards that would increase costs and complicate building procedures.

(ACIR, by the way, had suggested a model national code, which includes provisions for licensing building inspectors, for adoption and modification by the states and

their component local communities.)

**Parsons Report Says No to National Code** — The Parsons report was prepared for the Producers Council in response to a request by HUD — one of several reports sought by that agency for its continuing study of codes and other matters that affect "the welfare of the building industry and the cost of buildings." But it obviously didn't come out quite the way HUD wanted it.

Problem, said Parsons, is that the states — not the Federal Government — are the sources of legal power to enact and enforce building codes. (It is estimated that there are at least 12,000 jurisdictions that issue building permits or otherwise influence building practices.)

"Authors of local codes commonly pattern the requirements after those in other codes. And, in recent years, the four recognized model codes (American Insurance Association, International Conference of Building Officials, Building Officials Conference of America, Southern Building Code Congress) have been widely used.

"The producers of construction materials have strong incentives for initiating and stimulating standardization. . . . Moreover, the procedures of the voluntary organizations . . . seem admirably adapted for developing nationwide standards for the elements of the building structure and electrical and mechanical services.

"[Concerning engineering and design standards] despite the diversity in requirements of local codes, the evidence indicates that these differences ordinarily do not create . . . major problems."

Needed and effective remedies, suggested Parsons, don't lie in a broad-scale national code, but rather in:

More frequent updating of local codes; better and more professional staffs and administration; perhaps better machinery for national evaluation of techniques and products on a voluntary basis.

"There is no evidence,"

concludes Parsons, "that a national code would minimize the defects of the present system. Progress in improving the quality of national standards would not be improved, needed new standards would not be supplied, training of staffs for building officials would not be improved. . . . Emphasis on a plan to write a national code seems misplaced, if the purpose . . . is to achieve better, as well as more uniform, requirements and to prepare performance requirements to the extent feasible. . . . Concentrating attention on the conspicuous project of drafting and promulgating a national code would not of itself result in a solution."

**Air-Pollution Session** — That four-day national session on air pollution in Washington just before Christmas accomplished its principal objective — a noisy kick-off for legislation on the subject, and very little else.

Principal conclusions from four days of speeches: nobody knows much about the subject or what to do about it; politicians are impatient with scientific approaches, are likely to push for broad-gage, perhaps "meat-axe solutions."

For architects and planners, not much of significance came from the session. Only this seemed likely: because of the obvious popularity, politically, of moves against air pollution, there'll be a demand for more open design of metropolitan centers, more demand for location of smoke-and-fume producing industries in outlying areas.

**Financial** — There's no question that the most important decisions facing the new Congress, now that it has received the President's annual messages, are going to be economic. And there's no question that almost any action the lawmakers take will affect the construction industry and all who depend on it for a livelihood.

□ Key is the tendency of politicians to persist in believing that, to control the economy as required, construction can be turned on and off like a spigot. Evidence is the already announced intention of chopping \$3 billion or more from Federal construction spending — \$1,100,000,000 on highways, the rest from other

public work — regardless of what Congress appropriates or authorizes. The Federal agencies have already reinforced their moves with steady pressure on private industry — a pressure that has resulted in a foreseeable cut in business spending for new plant and equipment.

□ Construction industry groups such as the Associated General Contractors have already organized to bring pressure on Congress to reverse this trend. They fear a "ripple effect" that will lead from less work to more contractor failures, to lowered sales of machinery and material, to loss of jobs — and higher prices.

□ Any effort to reverse cutbacks is politically difficult, however, since the Administration has put opponents in the position of cutting back social programs in favor of construction. No politician can afford to seem to be favoring more highways or Federal buildings at the expense of the poor. So the already mounting moves for restoration of construction money must be handled with great finesse.

□ The Federal Aviation Agency, its funds untouched by cutbacks so far, has announced allocations of \$72,500,000 in Federal matching funds to help local communities construct and improve some 341 civil airports. Of the total, \$59,200,000 will go for improvements on 295 existing airports (ranging from land purchases to construction of buildings and runways); \$13,300,000 for construction of 46 new airports. In a new procedural emphasis, FAA is concentrating on relieving traffic congestion at major air terminals.

□ As the year 1966 ended, there was some evidence of an easing in money markets: The Federal Housing Administration noted that, during the first 10 months of the year, the number of areas in which funds were generally available for financing home loans had steadily decreased. But, on December 1, the percentage of offices reporting adequate funds had increased; 35% of its offices reported funds were now available. However, there was a cautionary note: Average yield for FHA's 30-year, 6% new-home mortgages as of December 1 was 6.81%, compared to 5.90% in December 1965.



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A Ceramaguard ceiling goes into a tough environment. You don't give a thought to service life. This ceramic tile does its day-to-day job under circumstances that would make a conventional material call it quits in nothing

begin with, this fabricated acoustical ceiling material doesn't surrender to moisture. It retains its span and rigidity even under saturation conditions. A Ceramaguard ceiling can go up before the building gets wet in, with wet work still going on. Or it can go into

the moisture chlorine-laden atmosphere of an enclosed swimming pool.

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In short, in difficult installations, Ceramaguard not only stands up, it stands out. Like more information? Write: Armstrong Cork Company, 4202 Watson Street, Lancaster, Penna. 17604. Or circle No. 300 on Readers' Service Card.

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When it comes to walk-ins, Norris deals in actual, not nominal dimensions. That means you get the size walk-in you specify to within 6" increments—whether it be a small storage unit or an entire walk-in warehouse.

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The October issue dealt in depth with the subject of CONCRETE. Comment and critiques of current applications were contributed by architects, designers, engineers and builders. To get your copy, circle 425 on the Readers' Service card at the back of this issue.

The December PROGRESSIVE ARCHITECTURE presented a 61-page discussion of the "Third Millennium". It discussed developments in all the environmental disciplines and related them to the changing role of architecture. This issue has generated more response than any in the magazine's history. Circle 426 on the Readers' Service Card.

The January issue was a portfolio of winners in PROGRESSIVE ARCHITECTURE's 14th annual Design Awards competition. In all, 19 designs are pictured and critiqued by members of the Design Awards panel of judges. This competition has been called an almost uncanny forecast of designs, trends, and rising personalities in architecture. Get your copy by circling 427 on the Readers' Service Card.

October reprint — Circle #425

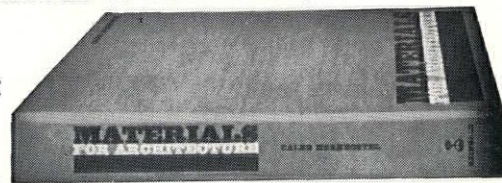
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# PRODUCTS

## CONSTRUCTION



**Flexible roofing.** Synthetic resins insure elasticity of roofing material without the use of plasticizers. Formulated from neoprene and Hypalon, the material will conform to unusual roofing contours and is said to retain its tough elasticity in both high and low temperature extremes. Manufacturer says "Neolon" is available in an unlimited color range with excellent color stability. Desco International Inc., P.O. Box 74, Buffalo, N.Y. 14205.

Circle 100, Readers' Service Card



**Prefinished tongue-and-groove decking** of white pine is available in a wide variety of colors and surface textures for exposed ceilings. Finishes include silver, smoke, and jade; finishes are either smooth or rough-sawn. Wood is kiln-dried to 10%-12% moisture content to prevent warping and shrinking. Potlatch Forests, Inc., 320 Market St., San Francisco, Calif.

Circle 101, Readers' Service Card

**Joint filler.** Bentonite clay products seal joints and are used as underlayment to protect foundations.

1967

**tion floors.** High-swelling granular compounds form an impervious seal when mixed with water, and will adhere to concrete, brick, wood, or metal. Company also manufactures a gel compound for calking and lubricating. Building Materials Div., American Colloid Co., 5100 Suffield Court, Skokie, Ill.

Circle 102, Readers' Service Card

**Outdoor deck topping.** "Promdek" may be trowel-applied over concrete, tile, wood, and other construction materials. It is impervious to snow, ice, and intense heat, and permits normal movement of the substructure without cracking, claims manufacturer. Suitable for institutional, commercial, or residential use, it is available in either pastel or dark colors. Selby, Battersby & Co., 5220 Whitby Ave., Philadelphia, Pa. 19143.

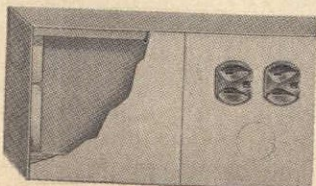
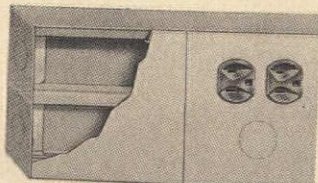
Circle 103, Readers' Service Card

## DOORS/WINDOWS

**Glazing material** of press-molded polycarbonate is unbreakable for five years, claims manufacturer. "Zelux" thermoplastic is ultraviolet stabilized, self-extinguishing when exposed to flame, and offers lower heat loss than glass. Sheets up to 36" x 48". Suitable for buildings subject to vandalism or accidental breakage. Crystal-X Corp., Second & Pine Sts., Darby, Pa. 19023.

Circle 104, Readers' Service Card

## ELECTRICAL EQUIPMENT



**Dual-purpose raceway.** "Plug-mold G-4000" raceway is available with a divider to

provide both telephone and power outlets, and is also made without the divider for either communications alone or lighting and power circuits alone. Trim silhouette is 1 3/4" x 4 3/4". The Wiremold Co., Hartford, Conn. 06110.

Circle 105, Readers' Service Card

## FINISHES PROTECTORS



**Vitreous epoxy.** Cold-glazed coating, with a flame spread index of zero, covers masonry, wallboard, plaster, wood, metal, and other materials. "Cemramix," suitable for both interior and exterior, is waterproof and resistant to impact and stains. A variety of colors is available. Preco Chemical Corp., 55 Skyline Dr., Plainview, N.Y. 11803.

Circle 106, Readers' Service Card

**Water paint.** Semigloss latex enamels for woodwork are now available for complete water-based painting. Acrylic-latex enamels are suitable for kitchens, locker rooms, and other hard-wear or high-humidity applications. Tests indicate that paints based on "Rhoplex AC-22" have less tendency to yellow, crack, or peel, says manufacturer. A number of companies are producing paints using manufacturer's acrylic emulsion vehicle. Rohm & Haas Co., Philadelphia, Pa.

Circle 107, Readers' Service Card

## FLOORING

**Seamless floors.** Manufacturer assumes responsibility for seamless polyurethane floors from design through installation. Engineered specifically for new institutional and commercial-industrial construction, the flooring is easy to maintain, resilient, and has good sound-damping qualities.

Available in a wide choice of patterns and colors. Sonneborn Building Products, Inc., 1700 S. Mt. Prospect Rd., Des Plaines, Ill.

Circle 108, Readers' Service Card

## FURNISHINGS

**Weatherproof Cushions.** On three groups of wrought-iron furniture, Salterini makes available "Sta-Out" expanded vinyl cushions, which are heat-sealed. This method of weatherproofing allows cushions to breathe, yet water does not penetrate the cushion, and, unlike stitched cushions, these can float. Twelve colors are available, including cherry, lemon, ochre, and blue. The furniture includes (besides a traditional rose pattern) a webbed design and a squared-off design. John B. Salterini Co., Inc., 305 E. 63 St., New York, N.Y. 10020.

Circle 109, Readers' Service Card

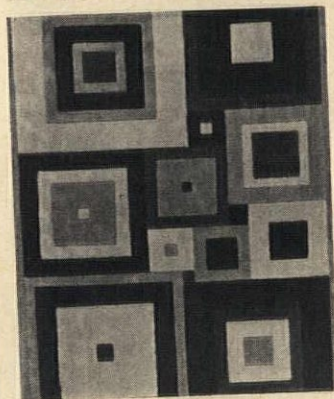
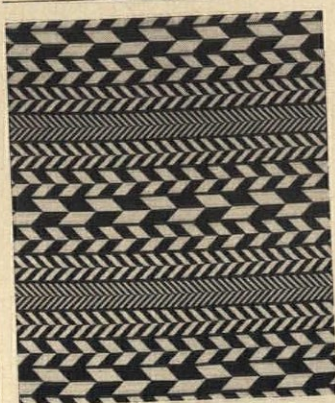


**Four-square and textured.** The frame of Edward Wormley's latest handsome chair combines the textures of wood (ash) and steel: American ash members, oval in cross-section, are interlocked with polished stainless-steel stretchers. Attached cushions on seat, back, and arms are of fabric, naugahyde, or corkette. Wood frame can be finished darker as specified. Dunbar Furniture Corp. of Indiana, Berne, Ind.

Circle 110, Readers' Service Card

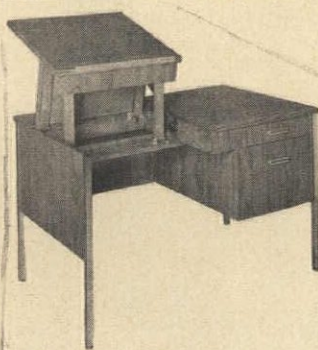
**Textiles with a difference.** Six new contract fabrics from Scalmandré include five upholsteries and one casement. The nubby oatmeal casement is all silk and can be sized to order. Upholsteries include an all-silk criss-cross pattern of white and tan that can be dyed to order; a heavy textured wool that comes in

deep blue, red, orange, mustard, olive, and navy; a unique wool, cotton, and rayon weave of lumpy stitches forming a grid pattern over an oatmeal background. Also available is a silk warp with wool fill textile that creates a horizontal stripe effect when the silk takes the dye differently than the wool. Last is a draylon and cotton velvet pile with a silk look made in Germany. Scalamandré Silks, Inc., 977 Third Ave., New York, N.Y.  
*Circle 111, Readers' Service Card*

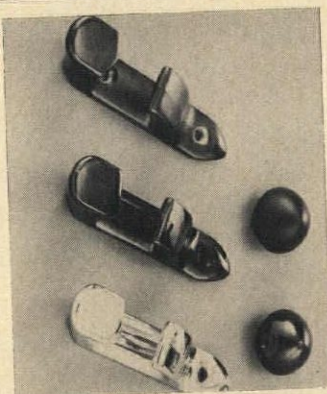


**Danish rugs and textiles.** A line of both rugs and textiles, designed primarily by Ross Littell, is being shown by Unika Vaev. "Square Dance" (pictured), a relief-cut high pile rug, combines shades of only one color (red, blue, beige, or orange) to give a three-dimensional effect. Made of 100% virgin wool, "Square Dance" is 7'-6" x 10'-7". "Arrow" (also pictured), a cotton sateen fabric, comes in six different color combinations. Some all-white bobinette diolen (polyester) casement fabrics have been added to the collection, among them Verner Panton's "Ring," a woven series of concentric circles on a grid background that is ingeniously intricate. Firm now offers overnight delivery from stock in Denmark

by using its RCA Telex equipment and jet freighter. Unika Vaev Corp., 305 E. 63 St., New York, N.Y. 10021.  
*Circle 112, Readers' Service Card*



**Selectern.** A unit that at first glance appears to be a 29"-high desk or table converts instantly into a variable height lectern or drawing surface. The lectern surface (24"x24") raises 10" at lower edge (to 46" high at top and 39" at bottom). An adjustable slide stop locks it into the desired place (it can support a projector) and allows it to lower slowly under balanced spring control. Three models, all of walnut laminate, are available: two tables and a single pedestal desk. Haney Equipment Co., Inc., 1600 Berkey S.E., Grand Rapids, Mich. 49507.  
*Circle 113, Readers' Service Card*



**Black Chrome.** DURAMIR BK, a black chrome plating compound, overcomes former difficulties of earlier experimental black chrome because it requires neither low temperatures (and consequent refrigeration equipment) or high current densities. To convert an existing system, a plater must simply add an extra tank with DURAMIR BK, which can be deposited over bright chrome or the final nickel plate. With the exceptions of aluminum and magnesium,

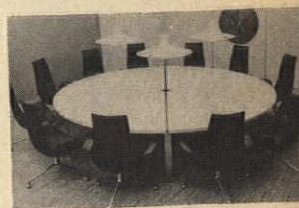
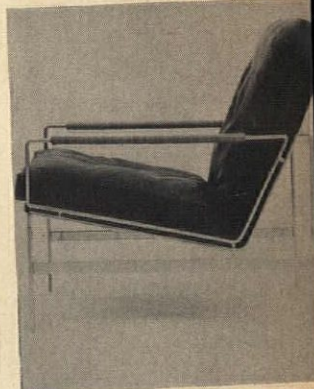
any common substrate can be plated. A variety of deep black finishes can be achieved from a high luster black (light absorption 40%) to a matte finish (light absorption up to 97%), depending on the texture of the surface to which it is applied. Like regular chrome, it will not fade or corrode. Although it is not yet being manufactured, Diamond Alkali foresees uses in office and garden furniture, appliances, and hardware, as well as in automobile trim, toys, and jewelry. Diamond Alkali Co., 300 Union Commerce Bldg., Cleveland, Ohio 44115.  
*Circle 114, Readers' Service Card*



**Le Corbusier Chairs.** Four authentic Le Corbusier chairs manufactured under exclusive license are now in a showroom here: The adjustable chaise longue, 64" long, set on a low base of black and white iron or all black, has a frame of nickel or chrome-plated steel tubing that is covered with black foal hide augmented by a smooth leather neck roll. The tubular steel armchair with pivoting back, which adjusts to the pressure of the sitter, has calf skin sling upholstery and leather arm rests. The two others are the boxy "fauteuil grand confort," which comes in two widths, both fitting one person; tubular steel frame comes in black as well as nickel or chrome plate, with leather covered foam rubber. Although the designs are durable, the standard of comfort may seem to have changed since the chairs were designed in the late 1920's. Scandinavian Design,

Inc., 15 E. 53 St., New York, N.Y.

*Circle 115, Readers' Service Card*



**Office furniture.** An attractive and serviceable line of office furniture by Danish designer Preben Fabricius and Jorg Kastholm, includes conference tables, chairs and other seating units, desks, and lighting fixture. One group designs includes chairs with molded plywood shell and arms, set on tripods of stainless steel, of which one is high-backed conference chair, the other a low-backed lounge chair. Both are covered in loose leather in a variety of colors. A conference table pie-shaped sections in teak, ash, walnut, or rosewood supported by stainless-steel members that extend out from a central column between pie sections to the outer edge where they descend to floor as supports. A framed, leather-covered chair with floating arms offers choice of solid upholstered arms or open steel arms wrapped with thick leather thong (illustrated). The line also includes a table or desk, various sized cocktail tables, and an armless chair with a horse-shaped base. George Taylor Inc., 305 E. 63 St., New York, N.Y. 10021.

*Circle 116, Readers' Service Card*

**Knitted Fiberglas.** The seamless draperies of fiberglass Beta yarn are available up to triple widths (144" and in lengths from 399". Colors are white,

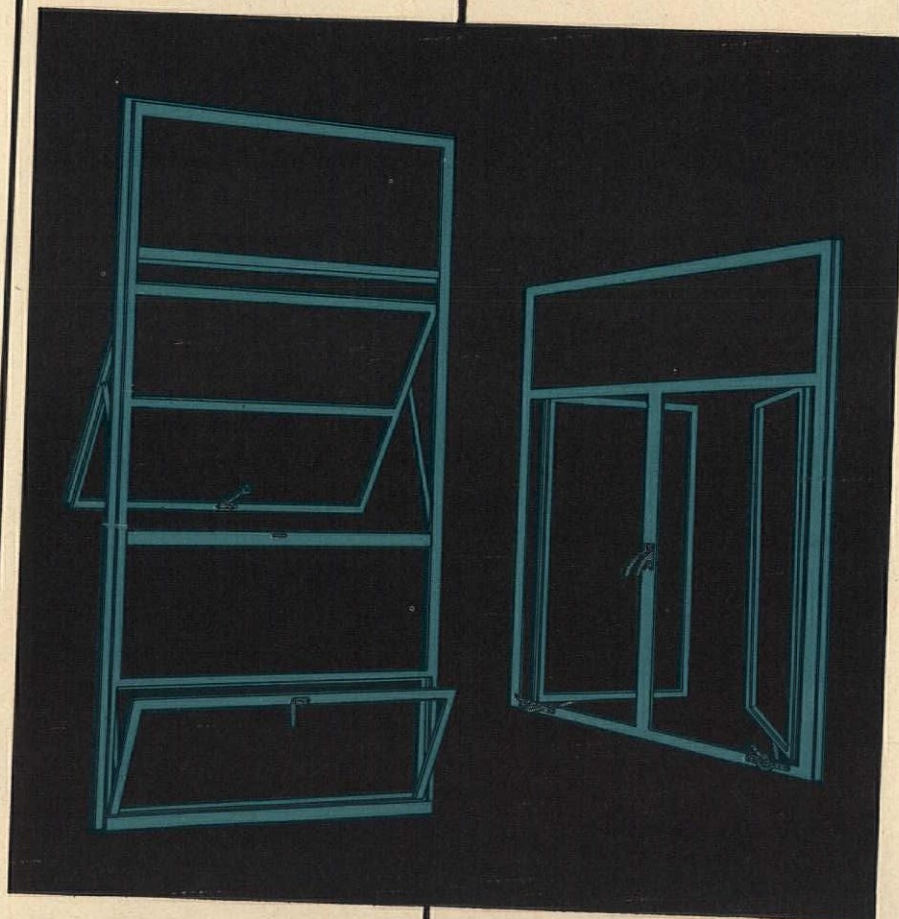
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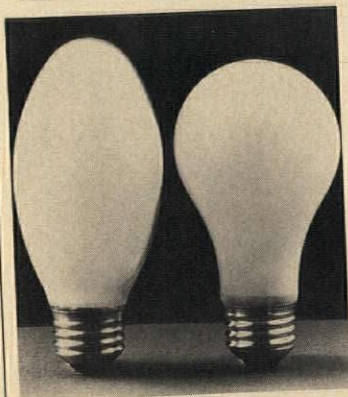
olive, and beige. Four styles are available: an Austrian bouclé woven in vertical stripes, an opaque popcorn pattern, a network of interlacing stripes in a lattice weave, and wide vertical stripes combining an open and close weave. Heidenberg Textile Fabrics Co., Railroad Ave., Closter, N.J.  
*Circle 117, Readers' Service Card*

#### INSULATION



**Protective family.** Foamed urethane forms core of insulation board products covered with membranes of paper, foil, felt, plastic, and other materials. Products are available in thicknesses from 1/2" to 2", and are suitable for a number of applications such as bases for built-up roofing, finished wall surfaces, or plasterbase. Typical "K" factor for a 1"-thick board is .13. The rigid urethane core and membrane sandwich has a high strength-to-weight ratio. Atlas Chemical Industries, Inc., Wilmington, Del. 19899.  
*Circle 118, Readers' Service Card*

#### LIGHTING



**Smallest mercury lamp.** Picture above compares size of 50-w mercury lamp (left) and 50-w incandescent lamp. The new GE lamp is said to give twice the light and 10 times the life of incandescent bulbs

of the same wattage. The light is rich in red and is suitable for commercial use. General Electric Co., Nela Park, Cleveland, Ohio 44112.  
*Circle 119, Readers' Service Card*



**Outdoors.** Post lighting for mall, parking area, and other outdoor areas offers a choice of size, trim, and number of squared fixtures per unit. Available for either mercury vapor or incandescent lamps. The Holophane Co., Inc., 1120 Avenue of the Americas, New York, N.Y. 10036.  
*Circle 120, Readers' Service Card*

#### SANITATION PLUMBING



**Clean story.** Basin-mounted soap dispenser, for use where wall space is limited, is installed through a hole in the washstand. The 27/32"-dia x 4 3/4"-long shank will hold 16 oz, filled from the top. Metal parts are brass or chrome finish. American Dispenser Co., Inc., 860 Broadway, New York, N.Y. 10003.  
*Circle 121, Readers' Service Card*

**Back to back.** Manifold fitting for 4"-wide partitions distributes hot and cold water to back-to-back fixtures. Bronze valves and copper tubes for "Bac 2 Bac" manifolds fit around drain pipe in partitions. JMJ Corp., 5310 N. Albina Ave., Portland, Ore.  
*Circle 122, Readers' Service Card*

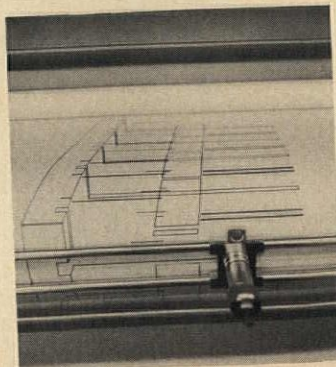


**Plastic shower head.** Recent advances in electroplating make it possible to chromium plate plastic shower heads. The manufacturer says the plastic resists wear, is non-corrodible, and the fixture costs less than comparable all-metal fixtures. Speakman Co., Wilmington, Del.  
*Circle 123, Readers' Service Card*



**Swingaway sink.** Stainless-steel sink saves space by pivoting on its drainpipe under a counter. Bowl, 16 3/4" x 11 1/2" x 6" deep, is supplied assembled with overflow, drain, swivel joint, and bracket for wall mounting. Holderle Bros., 1214 Brooks Ave., Rochester, N.Y. 14619.  
*Circle 124, Readers' Service Card*

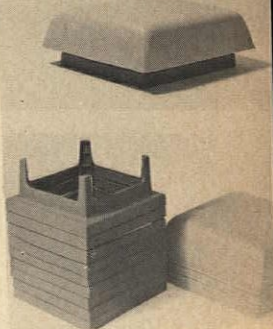
#### SERVICES



**Computer-drawn perspectives.** Plans and elevations can be converted into perspective drawings by computer at cost

comparable to drafting labor but subsequent drawings may increase in cost. A Boston firm offers 24-hr. service for perspectives at any scale from any vertical or horizontal displacement. Coordinating from architects' drawings stored on punch cards so different perspectives can be ordered at any later date. sign Systems Inc., 123 N.bury St., Boston, Mass. 02111.  
*Circle 125, Readers' Service Card*

#### SPECIAL EQUIPMENT



**Cap and curb.** Designed to accommodate a number of ventilating needs, this piece glass-fiber ventilator act as fresh air intake, gravity and power exhaust ventilator, or skylight ventilator. Sizes 8" to 24" square. Williams-Bermuda Corp., Westminster Ave., Alhambra, Calif. 91803.  
*Circle 126, Readers' Service Card*



**Alarms.** Fire-detection senses invisible combustion by-products long before is flame or smoke, claim manufacturer. Aerosol products interfere with ionization to break circuit and alarm. Units are available ceiling or duct mounted and can be powered by batteries. Honeywell Commercial Div., Fourth Ave., Minneapolis, Minn. 55408.  
*Circle 127, Readers' Service Card*



## Grandpa . . . what does *guarantee* mean?

It means confidence, son. It means that people who make something, guarantee it, when they are confident it will do what it's supposed to do.

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LAMIDALL is a laminated plastic panel or plank in 8 or 10 foot lengths. You have a choice of 23 woodgrains and colors. It's installed with a concealed, patented clip that "floats" it to prevent buckling. And it's guaranteed in writing for the life of the building. For more details . . .

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# MFRS' DATA

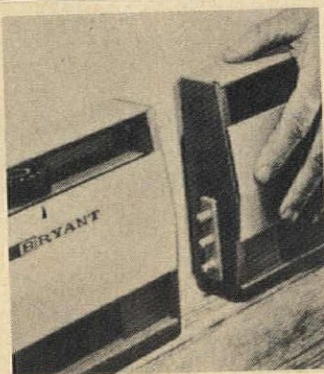
## ACOUSTICS

**Lead deadens noise.** Discussion of sheet lead as a sound barrier includes analysis of walls, ceilings, isolation of noise from mechanical equipment, and the design of private offices. Construction details included. 6 pages. Lead Industries Assn. Inc., 292 Madison Ave., New York, N.Y. 10017. Circle 200, Readers' Service Card

## AIR/TEMPERATURE

**Handbook for HVA/C'ers.** A review of pneumatic control fundamentals includes sections on theory, operators, controllers, relays, switches, and air-supply equipment. Textbook-type handbook contains detailed discussions on throttling range, proportional band, differential, setpoint adjustment, remote-control point, etc. Text is supplemented by schematic drawings. 40 pages. Honeywell Inc., Commercial Div., 2727 S. Fourth Ave., Minneapolis, Minn. 55408.

Circle 201, Readers' Service Card



**Hot line.** Manufacturer enters electric heating field with a comprehensive line of baseboard and wall heaters, strip and duct heaters, unit heaters, and thermostats. Radiant heating cable is also available for ceilings or indoor concrete floors. Technical data, catalog information, price list. 28 pages. Bryant Electric Co., Bridgeport, Conn. 06602.

Circle 202, Readers' Service Card

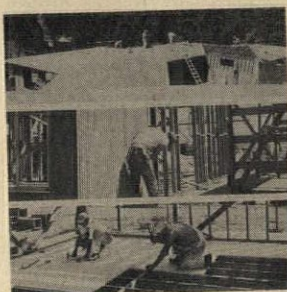
## CONSTRUCTION

**Glazing seals.** Principal causes of glazing failures, factors governing sealant selection and placement, minimum standards and basic glazing

recommendations are set forth in "Glazing Specifications for Vision Glass." Sealant selector chart lists characteristics and limitations of 13 sealants. 12 pages. The Tremco Mfg. Co., Cleveland, Ohio 44104.

Circle 203, Readers' Service Card

## Plywood Construction Guide



**Group of booklets amplifies new product standard.** Approval of Product Standard 1-66 (p. 60, JANUARY 1967 P/A) makes new literature necessary for design and specification of softwood plywood. This is now available in packets of 19 publications (PS 1-B) covering such subjects as construction, components, siding, and specifications. The industry is also offering the services of 71 field representatives to meet with groups of users and specifiers to explain the standard. American Plywood Assn., 1119 A St., Tacoma, Wash. 98401.

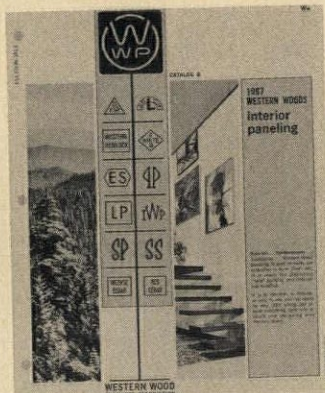
Circle 204, Readers' Service Card



**Stainless architecture.** The advantages of stainless steel are extolled in this well-designed brochure — mainly through a series of excellent photos of buildings and other projects designed by outstanding architects and designers. 32 pages. Committee of Stainless Steel

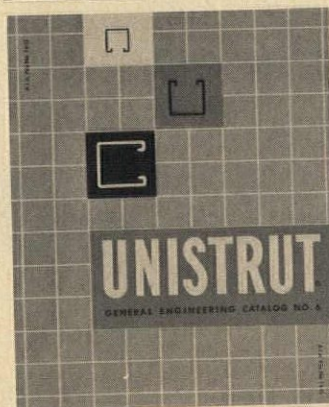
Producers, American Iron and Steel Institute, 150 E. 42 St., New York, N.Y. 10017.

Circle 205, Readers' Service Card



**Wood file.** "Western Lumber Technical Manual" has been republished in nine separate catalogs to simplify filing. Basic information on the use of 12 Western softwoods in construction is set forth under the previous titles; and two additions have been made: Moldings, and Fir and Hemlock Doors. Western Wood Products Assn., Yeon Bldg., Portland, Ore. 97204.

Circle 206, Readers' Service Card



**Metal framing.** "General Engineering Catalog #6" features complete engineering data, illustrations, descriptions, weights, and other pertinent data for manufacturer's channels, fittings, and parts for supporting mechanical and electrical equipment, storage racks, partitions, etc. 156 pages. Unistrut Corp., 4118 S. Wayne Rd., Wayne, Mich. 48184.

Circle 207, Readers' Service Card

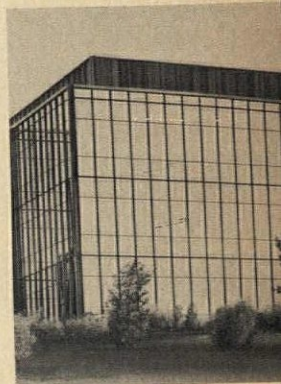
**Concrete slump.** Admixtures improve workability without using excess water. Charts and graphs give performance data on "Pozzolith" water reducing-set controlling agent, and

on several other admixtures that will entrain air, plastic masonry mortar, etc. 16 pages. Master Builders, Cleveland, Ohio 44118.

Circle 208, Readers' Service Card

**Put-together buildings.** Steel frames combined with masonry wall panels offer a choice of five building profiles in 20 sizes. Booklet has isometric drawings, details, specifications, and engineering data. 16 pages. Stran-Steel Corp., Box 14205, Houston, Tex. 77021.

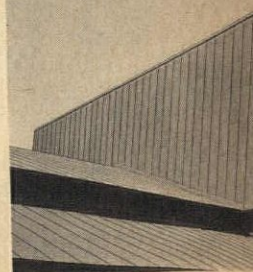
Circle 209, Readers' Service Card



**Building exteriors.** The title of this brochure, "Curtain Wall Windows, Door and Transoms in Aluminum, Stainless Steel, Bronze," explains the contents. Case studies of completed buildings (plans and architectural details) precede a short catalog showing manufacturer's standard, double-hung, sliding, etc., windows and balcony door entrances. 16 pages. Flour City Architectural Metals, Div. of The Seastrand Corp., 2637 27th Ave. S., Minneapolis, Minn. 55404.

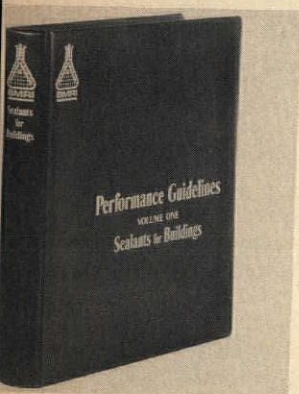
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## CONTEMPORARY CO



**The patina metal.** Haas illustrates good content of buildings using sheet metal and provides details of

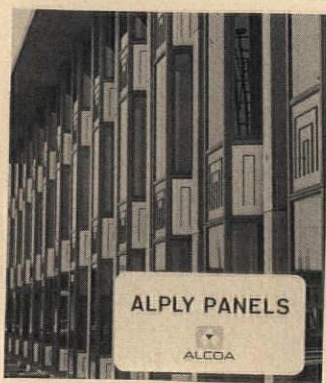
applications and other standard uses. "Contemporary Copper" is divided into four well-designed sections: fundamentals (sizes, types, joints, finishing, etc.), design, details, and specifications. The 40-page design section illustrates with photos and architectural details the work of leading architects. The standard details and specs include flashings, roofing seams and patterns (flat, standing, and batten), eaves, and chevron roofs), gutters, and fascias. Twelve full-color pictures illustrate the five-year time sequence of copper assuming its patina. 96 pages. Copper Development Institute, Inc., 405 Lexington Ave., New York, N.Y. 10017. Circle 211, Readers' Service Card



plants assessed. "Sealants in Buildings" is the report of independent research group not affiliated with any manufacturer that plans to issue a series of such reports on building products. The book contains performance classification according to joint movement; 16 reports on one- and two-component elastomeric sealants; and a comparative summary of the performance characteristics for the products covered. 100 pages. Price: \$10.00, 10% discount to AIA and CSI members. Building Products Performance Guide, Inc., 60 E. 42 St., New York, N.Y. 10017.

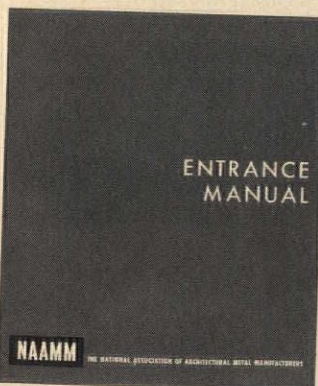
**M publications list.** An annual catalog from the American Society for Testing and Materials lists over 500 publications on materials, materials testing, and the standardization of methods of testing and specifying materials. 34 pages. American Society for Testing and Materials, Dept. 1, 1916 Race St., Philadelphia, Pa. 19103.

Circle 212, Readers' Service Card



**The panel picture.** "Alply Panels," used for the construction of industrial and commercial buildings, and controlled-environment enclosures, comprise interior and exterior surfaces laminated to insulation and a vapor barrier. Brochure gives sizes and weights of aluminum-faced panels, special seams, facing chart, finishes, thermal characteristics, and other technical and appearance data. 12 pages. Aluminum Company of America, 755 Alcoa Bldg., Pittsburgh, Pa. 15219. Circle 213, Readers' Service Card

#### DOORS/WINDOWS



**Enter here.** New manual on entrances, compiled and edited by Wayne F. Koppes, tells how to specify, design, and select hardware for metal entrances — principally public entrances. The material is well illustrated with detail drawings, and includes a glossary of common terms. 104 pages. National Association of Architectural Metal Manufacturers, 228 N. LaSalle St., Chicago, Ill. 60601. Circle 214, Readers' Service Card

**Window frames coated in seven colors of PVC** will resist severe weathering and

abrasion. Steel frames are electrostatically sprayed with PVC, and then heat cured. Brochure briefly discusses tests and available sizes. Lists projects with "Cecoclad" windows. 24 pages. The Ceco Corp., 5601 W. 26 St., Chicago, Ill. 60650. Circle 215, Readers' Service Card

#### ELECTRICAL EQUIPMENT

**Floor outlets.** Carpet flanges and watertight closing caps are features of electrical floor boxes. Catalog lists regular and duplex floor boxes, floor nozzles, fittings, and other floor units. Prices, specifications, dimensions provided on each product. 32 pages. Lew Electric Fittings Co., 627 W. Lake St., Chicago, Ill. 60606. Circle 216, Readers' Service Card

#### FURNISHINGS



**Rest Easy.** Office chairs for many uses are included in an attractive partly-color catalogue from Directional Contract. Designed primarily by Kipp Stewart, line includes conference, swivel, desk, and lounge chairs, in addition to sofas. A highly adaptable component group (seats and tables) in modular sizes is featured; variables being upholstery, chair bases and arms, and extent of groupings. Composition and dimensional data for all chairs are included. Directional Contract Furniture Corp., 979 Third Ave., New York, N.Y. 10022. Circle 217, Readers' Service Card

**Tread Gently.** Ranging from high-density "Pliolite" rubber latex foam (for maximum-luxury areas) to cattle hair (for light-traffic areas), Allen rug cushions are made in a wide choice of materials. Others are perforated foam rubber, compressed sponge, and com-

pounded rubber surfaces surrounding a mixture of blended hair and India fiber. All are adaptable to many installations. Folder shows 12 cushion types, describes composition and sizes, and recommends installation locations. Allen Industries, Inc. Contract Div., Detroit, Mich. 48207. Circle 218, Readers' Service Card



**Matting.** Described in 4-color brochure are matting and carpeting featuring "Nova," a new one-piece, sponge vinyl-backed nylon carpeting that does not support combustion. Designed primarily for institutions, its pile is nondirectional, thereby facilitating installation. Also described are two kinds of solid vinyl ribbed runners, nylon-on-vinyl matting for entryways, country-club-carpet matting, and vinyl sponge "anti-fatigue" matting in varying thicknesses. Color and size specifications are included. Catalog S-1, Crown Rubber Co., 1615 Croghan St., Fremont, Ohio 43420. Circle 219, Readers' Service Card



**Quiet, Please.** Patented Quiklok Library Shelving fits together in minutes; lugs on shelf supports fit into holes punched on inner wall of upright posts; shelves fit over supports. Wood or laminated plastic end panels are available in addition to steel. 12-page catalogue shows extras:

snap-in book stops, magazine and newspaper racks, reference shelf, reel rack, etc. Also included, a complete listing of assemblies, parts, and accessories. Hupp Corp., Aurora Steel Products Div., 153 Third St., Aurora, Ill. 60507.  
*Circle 220, Readers' Service Card*

**Videne "Total Wall."** Decor System includes paneling, matching doors, and moldings, plus a mastic-type ad-

hesive. Stronger (and reportedly cheaper) than wood, it is available in 14 wood grains including 2 kinds of teak and 3 walnuts, as well as in 44 solid colors (from a bright strawberry to a soft willow green) and patterns (e.g. padded leather, canvas, cracked ice). Videne, a pre-printed plastic surface that is heat- and pressure-laminated to 1/8" hardboard, comes in 4'x8' and 4'x10' panels; other sizes available on special order. The 15-

page, 4-color catalogue shows colors, molding types, and finished rooms. Videne Div., Goodyear Tire and Rubber Co., Akron, Ohio 44316.  
*Circle 221, Readers' Service Card*

**High and Low.** A folder with data sheets from U.S. Polymeric describes high- and low-pressure laminates and their respective uses. High-pressure laminates serve better in heavily used horizontal instal-

lations, but low-pressure laminates serve as adequately in vertical installations, and reduce the cost. Data sheets discuss laminating specifications and techniques, as well as resistance to stain, moisture, fading, etc. U.S. Polymeric, Inc., P.O. Box 218, Santa Ana, Calif. 92707.  
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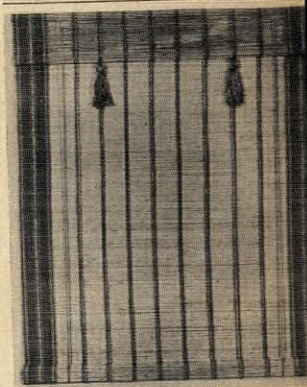
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**Shady Deals.** Pictured Tropicraft's brochure of wood strips woven for use as shade panels, and partitions are patterns with descriptions, examples of room settings, and varieties of possible installations. Both hand-woven and machine-loomed group, the weaves offer a choice of woods (fruitwood, walnut, satin pine, Philippine mahogany, and bamboo) and of yarns (chenilles, cottons, nylons, and other synthetics). Color and finishes can be adjusted to specification. Tropicraft, 5 Howard St., San Francisco, Calif.

*Circle 223, Readers' Service Card*

**Floor Tiles.** All patterns and colors of Azrock's vinyl asbestos and asphalt tiles are shown in a 16-page catalogue that contains corks, mosaics, embossed travertine and woods, as well as more standard spotty patterns. Tiles for range of installations from residential to heavily trafficked commercial areas. General information on size, gage, light reflectance values, and brief specifications are included. Azrock Floor Products, P.O. Box 531, San Antonio, Tex. 78206.  
*Circle 224, Readers' Service Card*

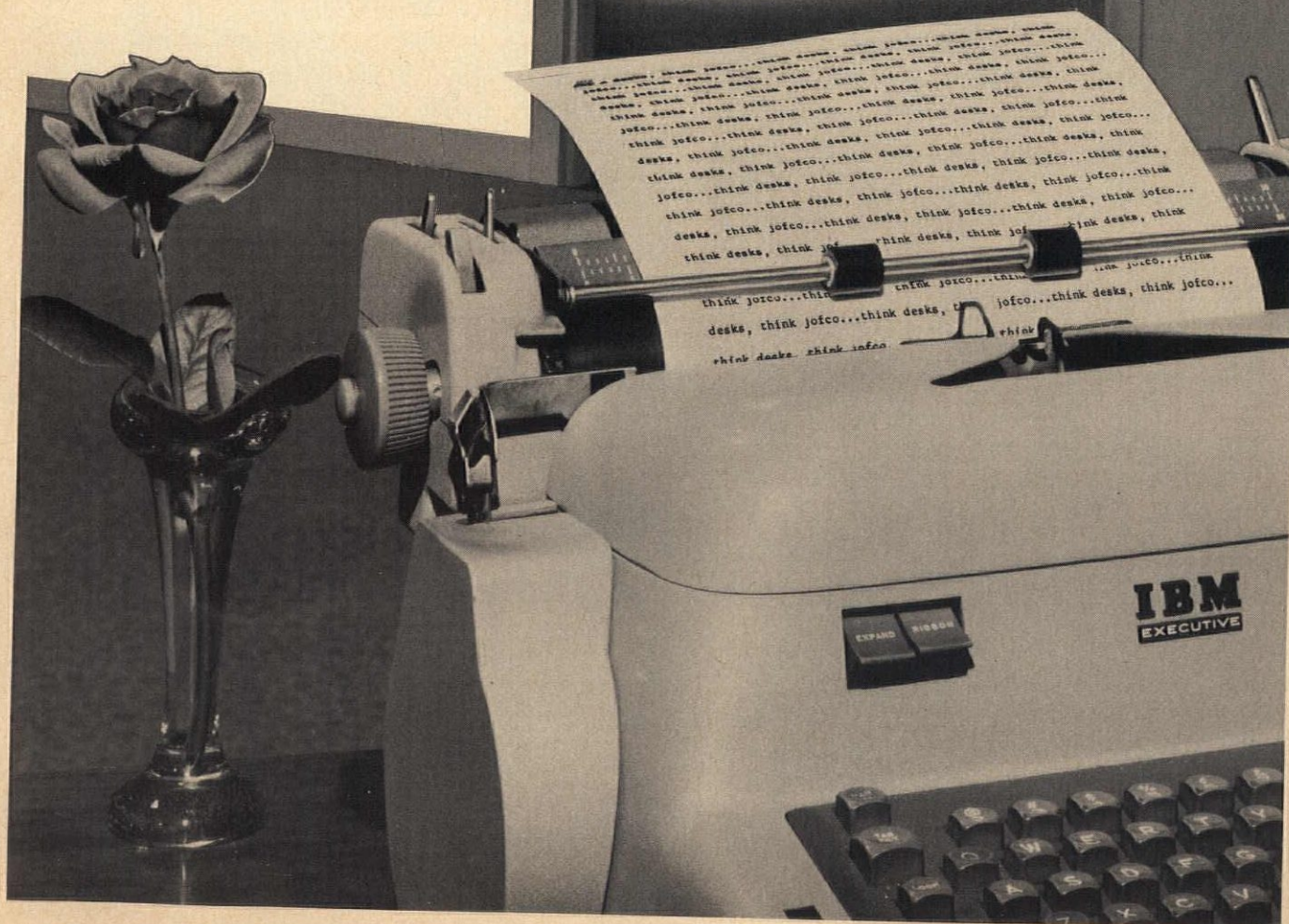
**Clay Tiles.** Available in shades of red, light tan, medium tan, and dark tan, "Spartane"

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Circle 225, Readers' Service Card



**Table Talk.** "Hugh Acton/Tables," a 12-page catalogue, shows a large collection of institutional tables (some folding), library tables and desks. Tabletops ( $\frac{7}{8}$ " thick for dining,  $1\frac{1}{4}$ " for conference) are reinforced by solid steel bars

that extend out from table base. Tops come in oil-finished walnut, textured walnut laminate, and white laminate with continuous extruded vinyl edging (others by special order); base and support bars are chrome-plated steel. Dimensions and photos are included. Hugh Acton, 588 Brookside, Birmingham, Mich.

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#### LIGHTING



**De-light-ful.** Lampposts and luminaires of simple design may act as unifying elements in large-scale projects. Aluminum poles topped by acrylic globes, ellipsoids, and flared

diffusers are shown in cut-away drawings, together with a variety of other attractive designs and pole styles. Above is ellipsoid with flat surfaces for area identification markings. 6 pages. Kim Lighting & Mfg. Co., 1467 N. Lidcombe Ave., El Monte, Calif. 91733.

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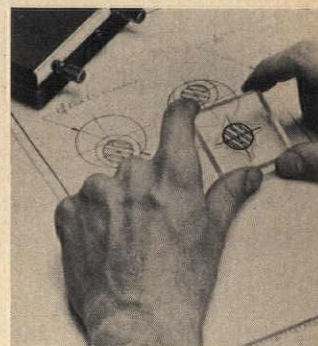


**Wood on wood.** Hand-rubbed, oil-finish veneer covers popular frames for surface lighting fixtures in squares and rectangles with glass or plastic lenses. Walnut veneer is standard; cherry, teak, oak, or maple available on request. "Woodra" series catalog in-

cludes descriptions, photos, dimensions, and technical data. Litecontrol Corp., 36 Pleasant St., Watertown, Mass. 02172.

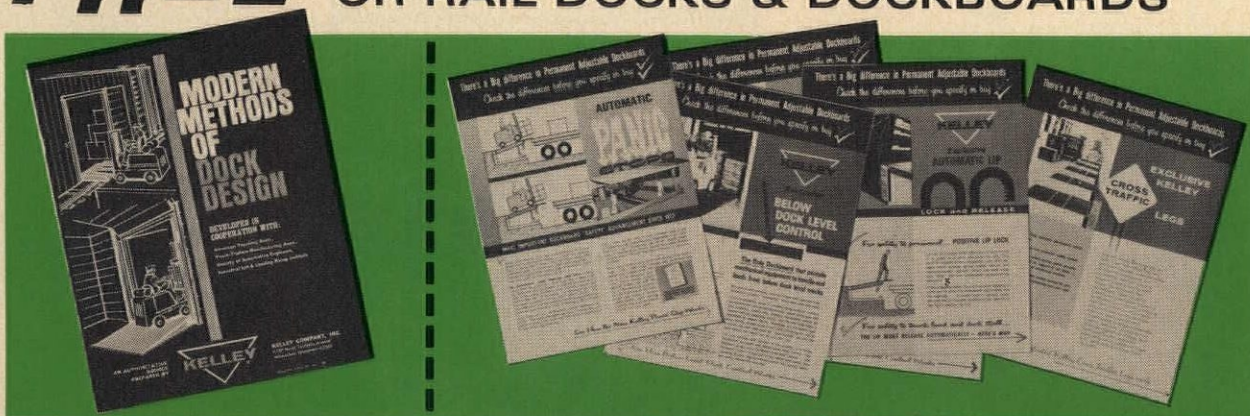
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#### OFFICE EQUIPMENT



**Inked symbols.** Stamps mounted on transparent plastic can be inked from special ink pad and applied directly to drafting paper. Ink dries "instantly" on both porous and nonporous surfaces. Any symbol appearing in the American Standards Association catalog, plus other standard designs, are available from stock; custom stamps may also be ordered. Brochure explains use of stamps and shows ex-

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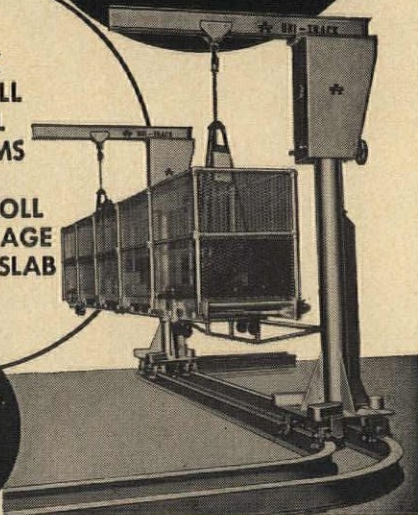
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## REINHOLD books

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**Materials In Modern Architecture: Volume I**

**By John Peter**

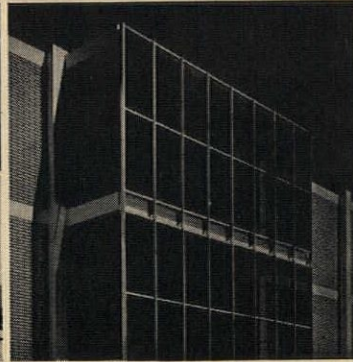
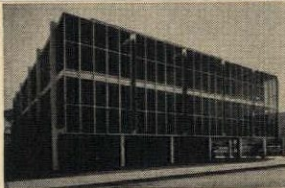
John Peter Associates, New York City

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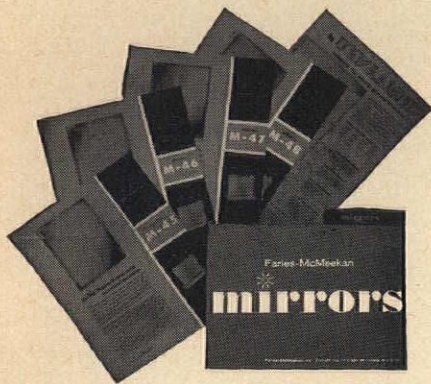
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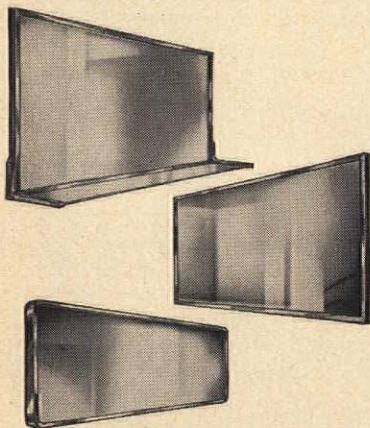
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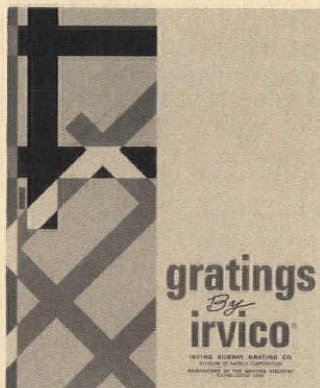
amples of symbols available. 8 pages. The Symbo Co., 2845 Harriet Ave. South, Minneapolis, Minn. 55408.  
*Circle 229, Readers' Service Card*

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## SPECIAL EQUIPMENT



**The horizontal grid.** Floor and stair treads of steel or aluminum grating are detailed with drawings, data tables, and short specs. "New Grating Manual" contains comprehensive data and index of riveted, press-locked, welded, close mesh, and serrated gratings. 28 pages. Irving Subway Grating Co., Div. of Harsco Corp., 50-39 27th St., Long Island City, N.Y. 11101.

*Circle 231, Readers' Service Card*

**Germ-free interiors.** Ultraviolet lamps installed in forced-air heating and cooling systems decontaminate the air entering hospitals, labs, and other critical areas. One-, two-, or three-lamp units, for both commercial and residential use, may be installed in ductwork and plenums during or after construction. Booklet gives installation instructions, and explains how to calculate the number and type of lamps

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Gerace and Castagna, Manhasset, New York, contractor; Warner, Burns, Toan and Lunde, architects.

Hofstra University, Hempstead, Long Island, recently constructed a new library tower which expanded their facilities three times.

Four 140' high mitered and tapered corner shafts, poured in place, form the library design base. To form these corner shafts, Symons Steel-Ply Forms were assembled in 11' x 15' x 20' gang sections, and lined with Spruce and Pine, 4" wide and varying in thickness. A rough finish was obtained by staggering the varied thickness boards, and by intermingling circular saw cut boards.

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Forms may be rented, purchased or rented with purchase option. *Architectural Bulletins sent on request.*



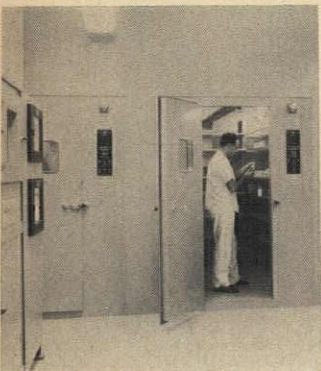
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required. 12 pages. American Ultraviolet Co., 30 Commerce St., Chatham, N.J. 07928.  
*Circle 232, Readers' Service Card*

**Put out the fire.** Twenty fire extinguishers introduced during the past year are described in a catalog, which also includes manufacturer's standard models from previous years. Other fire-safety products (foam compounds, wall cabinets, etc.) are included. 26 pages. The Fyr-Fyter Co., 221 Crane St., Dayton, Ohio.  
*Circle 233, Readers' Service Card*



**Portable rooms offer controlled environments.** Re-

search labs, quality control rooms, and other spaces requiring precise control of temperature and humidity are prefabricated in pretested and prewired units. Brochure-folder gives sizes, specifications, standard options, and shop drawings. Hotpack Corp., Cottman Ave., and Melrose St., Philadelphia, Pa. 19135.

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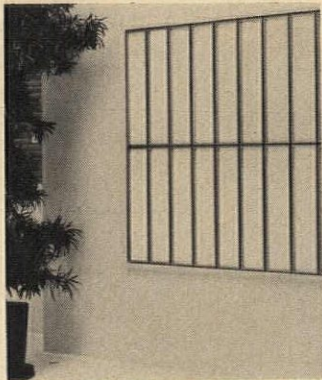
**'Round and 'round.** Turntables for revolving stages, restaurants, or display platforms, among other uses, run at constant or controlled, variable speeds. A portable, folding platform is also shown in leaflet, which includes photos and brief descriptions. 4 pages. Macton Machinery Co., Inc., 131 Jefferson St., Stamford, Conn.

*Circle 235, Readers' Service Card*

**Hush-hush matter.** Silencers control noise from mechanical draft fans, cooling towers, gas turbines, total energy systems, etc. Suitable primarily for industrial plants. Bulletin shows

cutaway views of units, explains design of "Power-Flow" silencers, includes a case history, and gives short specs. 4 pages. Industrial Acoustics Co., 380 Southern Blvd., Bronx, N.Y. 10454.

*Circle 236, Readers' Service Card*



**Architectural graphics.** Signs and plaques identify buildings, offices, etc. Suitable for interior or exterior, standard vinyl plaques and letters are available in several finishes and attractive muted colors. Brochure describes type styles, sizes, framing, etc. Also included is the "Vocator" lobby directory comprised of modular panels (shown), which may

be easily changed or added to. 24 pages. Vomar Products, Inc., 2807 Empire Ave., Burbank, Calif. 91504.

*Circle 237, Readers' Service Card*

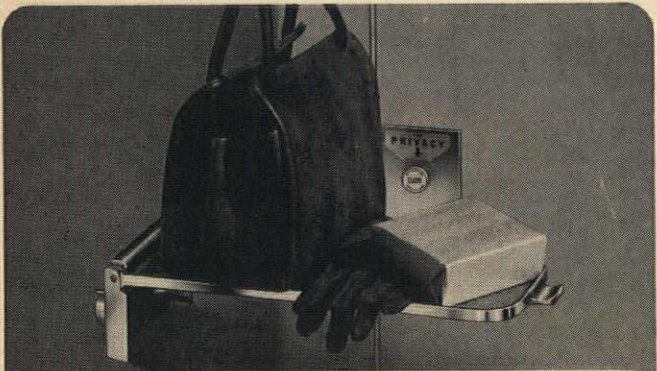
**In the swim.** Brochure gives design information on public swimming pools with manufacturer's special engineering features — pipeless and skimmer gutter system, below-ground filter system, and a 4' x 8' underwater observation window. Commercial filters, pumps, water heaters, and poolside equipment are available from manufacturer, as well as a design consulting service. 8 pages. Aquatech Corp., 1220 S. Alvernon Way, Tucson, Ariz. 85711.

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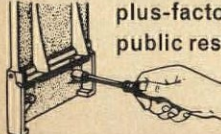
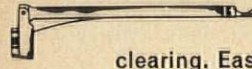
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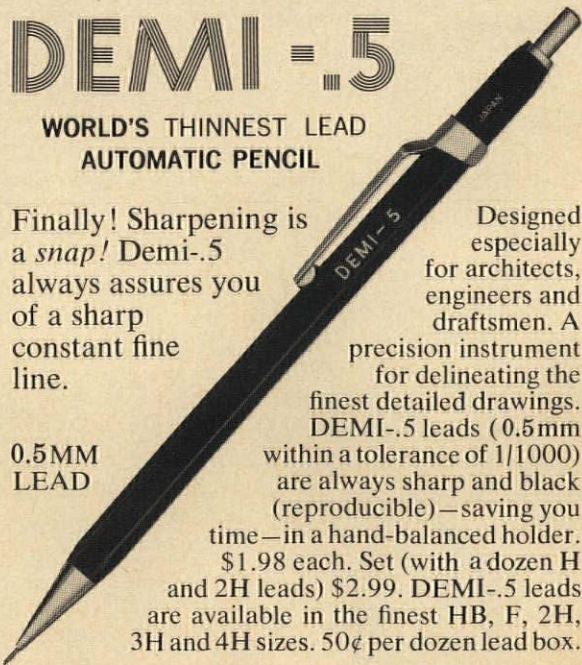
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## **NEXT MONTH IN P/A**

### ***Les dessins des notres écoles sont au bureau***

***Designing for big-city public school boards is likely to inflict on the architect a seizure of bureaucratic schooldaze. Using two new public schools in the New York City system, one by Morris Ketchum, Jr. & Associates, and one by Raymond & Rado, P/A examines all sides of the question in candid interviews with the architects, the educators, and members of the New York City Board of Education. This will undoubtedly be of aid and comfort the next time you beard the bureaucratic lion.***

### ***Color it exciting.***

***The program of the Sea Ranch Athletic Club was cut back considerably after it won P/A Design Awards Citation last January, leaving a good but diminished building by Moore, Lyndon, Turnbull, Whitaker. To bring some of the fun back into the design, they called in graphic designer Barbara Stauffacher, who, armed with paintpots, two sign painters, and imagination, turned the interiors into really swinging spaces. To be shown in color, of course.***

### ***How now, ACSA?***

***The feeling that architectural education is, by and large, not doing the job it should to produce architects for today—let alone tomorrow—is one that is shared by most educators and practitioners. From an intensive program of research in the subject and contacts with many architectural educators, P/A reports on new programs, methods, and ideas; what the most serious problems are; what educators see as the architect's role and function; what the "enrollment crisis" means; what remedies might be for the "attrition scandal"; what changes the future will see; and many other related topics. Extensive quotes from leading educators; illustrations by Forrest Wilson.***

***And you should know what we have to say about "Minimal interiors," ornamental plaster, testing models with wind tunnels, a prestressing job on a Florida church, and, of course, lots of opinions, observations, and late happenings in P/A Observer and P/A News Report.***

### ***Turn to Reader's Service Card***

***... at back of this issue and send in your order card while you're thinking about it. You will profit from the March excitement and eleven more potent issues.***



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