

PROGRESSIVE ARCHITECTURE MARCH 1963 NEWS REPORT

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

Photos: Wurts Brothers



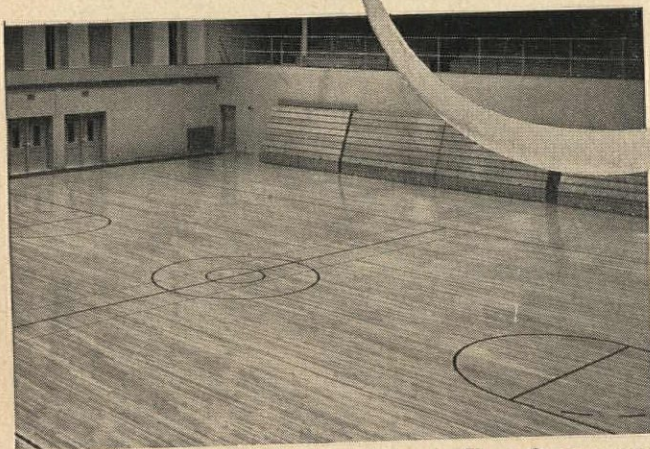
Circular stairway extends from basement to third floor in Pei's Society Hill townhouses.

- | | |
|---------------------------------------|--------------------------------------|
| 55 FIRST UNITS OF SOCIETY HILL OPEN | 60 THREE-USE PROJECT SET FOR PHOENIX |
| 56 REDEVELOPMENT FOR WOONSOCKET, R.I. | 60 WALK-TO-WORK HOUSING IN NORFOLK |
| 56 SIDE-BY-SIDE TOWNS PLAN RENEWAL | 61 NEW ADDITION TO NEW HAVEN GALLERY |
| 57 HOUSTON TO GET MAJOR AUDITORIUM | 72 WASHINGTON/FINANCIAL NEWS |
| 58 GALAXY OF FORMS IN SAN DIEGO | 77 PRODUCTS: LEARNING MACHINES |
| 59 EVOCATIVE MIDWEST DORMITORIES | 84 MANUFACTURERS' DATA |

REC. MAR 26 1963

AQJ	
FEE	1
EB	3
HS	4
KN	5
JT	6
WL	7
CKS	2
LL	8

HOW NOT TO SELECT A HARDWOOD FLOORING CONTRACTOR!



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Client approval and your professional reputation depend upon expert workmanship as well as quality flooring. To protect and benefit your client and yourself, you naturally want to do all you can to be *sure* you have a competent flooring contractor.

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- You designate a quality wood floor system requiring installation by an experienced, fully qualified flooring contractor.
- You establish his responsibility for the complete installation from subfloor to finished floor.
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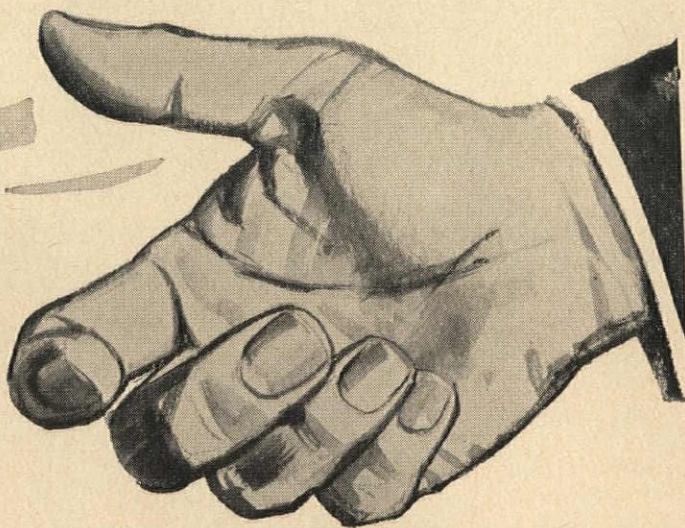
Sub-contractor

Proposed alternate system

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MAKERS OF MODERN MAPLE FLOORS— Subsidiary of E. L. Bruce Company, (Incorporated), Memphis, Tennessee

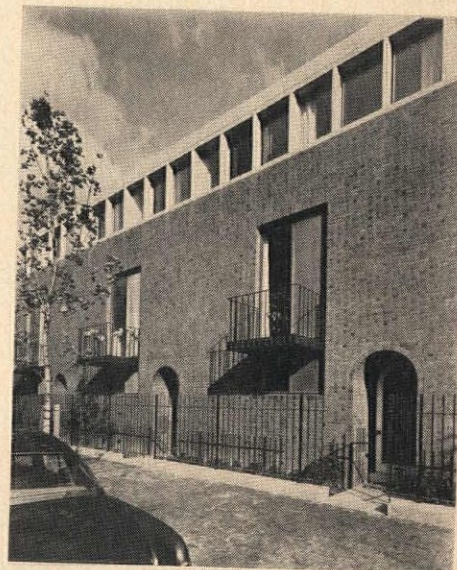
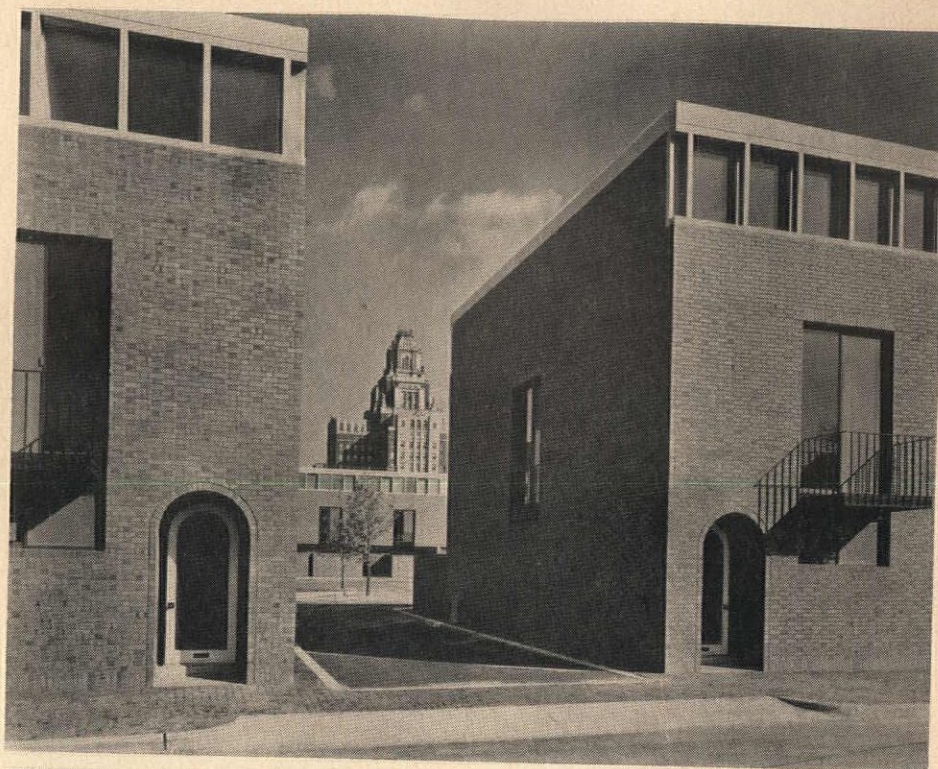
For more information, turn to Reader Service card, circle No. 354

FIRST SOCIETY HILL BUILDINGS OPEN

PHILADELPHIA, PENNSYLVANIA. On land once sold by William Penn to the Free Society of Traders, a group formed to help him promote and settle Pennsylvania, the first units of the handsomest project in Philadelphia's famous redevelopment program have opened.

The Society Hill portion of the Washington Square East Revopment Project was the subject of a noted competition some years ago, won by I. M. Pei's designs for Webb & Knapp. The Pei plan [pp. 170-175, OCTOBER 1960 P/A and pp. 142-145, JANUARY 1961 P/A] called for a complex of three tower apartment buildings, town houses in rows and a quadrangle, shopping facilities, and the rehabilitation of fine old houses on the site. The first completed portion consists of the town house quadrangle near the projected apartment towers. When all elements are completed, Society Hill will become a "super-super block" interlaced with pedestrian walkways, plazas, courts, and service access routes.

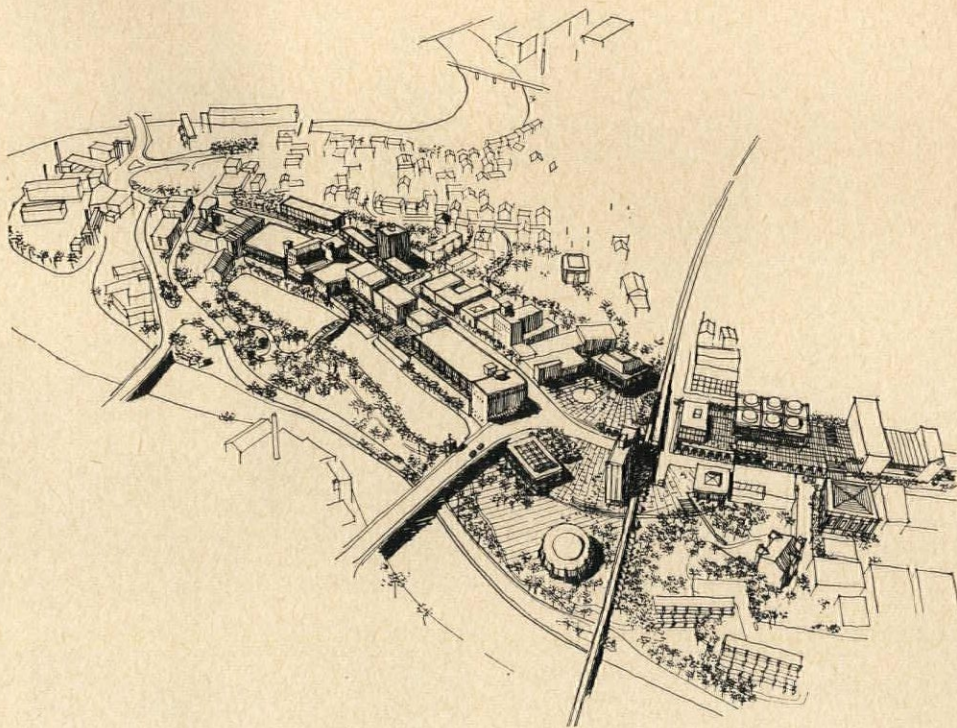
The town houses are three-story brick structures with simple, dignified façades designed to blend with the fine old Federal buildings of the area. Each dwelling unit has an arched entrance from the street giving onto a hallway, where the visitor takes a circular stairway (right) to the second-floor living room and library (the latter can be converted to the master bedroom). Ground floor contains dining room, kitchen and breakfast room, and the top floor has three bedrooms and two baths. Second floor balconies overlook the street and interior court on each side.



Little Rhode Island Not So Poor Any More

WOONSOCKET, RHODE ISLAND This textile mill city of 47,000-plus is suffering the ills of many such New England municipalities—loss of industry, decline in population, a tendency of remaining enterprises to become moribund. Unlike similar cities, Woonsocket has decided to do something to resuscitate itself by redeveloping and revitalizing its central business district. Early in 1962, concerned citizens gathered to study the problem. With the plans and advice of Providence planning firm Blair & Stein Associates and its consultants, Architect Rai K. Okamoto, San Francisco, and economists Dr. Roy Gerard and Dr. Morris Budin, Project Magic WAND (Woonsocket Action for a New Downtown) was developed.

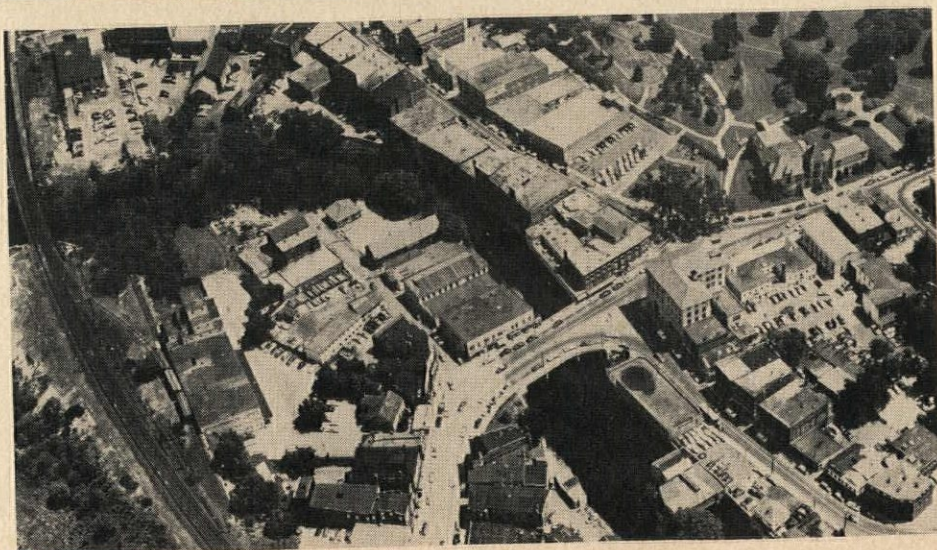
Focus of the 10-year renewal plan is on Main Street as it traverses three points: Market Square, Depot Square, and Monument Square. At the center, Depot Square, would be a new City Hall atop a series of terraces. A library and educational center would be in this area also. All along the street, new shopping and business facilities and remodeled older structures would attract customers back to downtown.

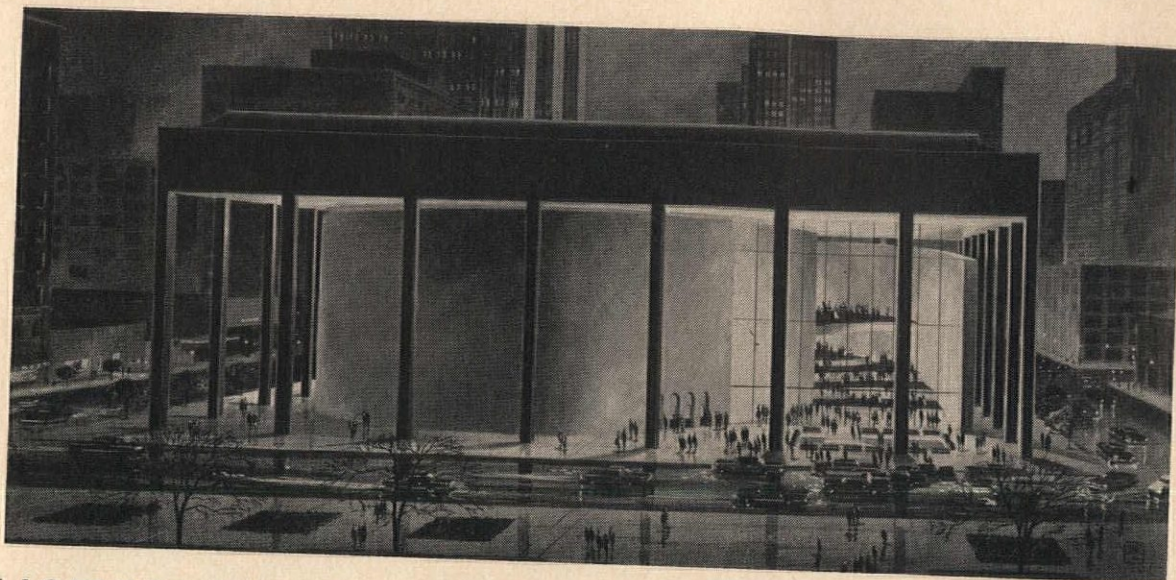


Parking Lots for Half-and-Half Municipality

Westerly and Pawcatuck are small cities one of which (Westerly) is in Rhode Island and the other (Pawcatuck) in Connecticut. Although separated by the Pawcatuck River, they form, in effect, one continuous municipality, and it is in this form that they are treated in the downtown development plan by New York Architect Charles James Koulbanis.

Presently lining the river as it flows through the center of town are business structures, warehouses, and loft structures, most of them dating from the 19th Century. Many of these structures are candidates for renovation and renewal; others have outlived their usefulness. What Koulbanis proposes—and it is a proposal that will startle many architects and planners—is to build a culvert 600' long over the river in the CBD and convert the space into a huge car park. This would make the reconverted and new buildings, which would otherwise be looking onto the river, into a downtown shopping center. There would be a small park at the end of the parking area, and a small island upstream from the bridge would be developed as a recreational spot.





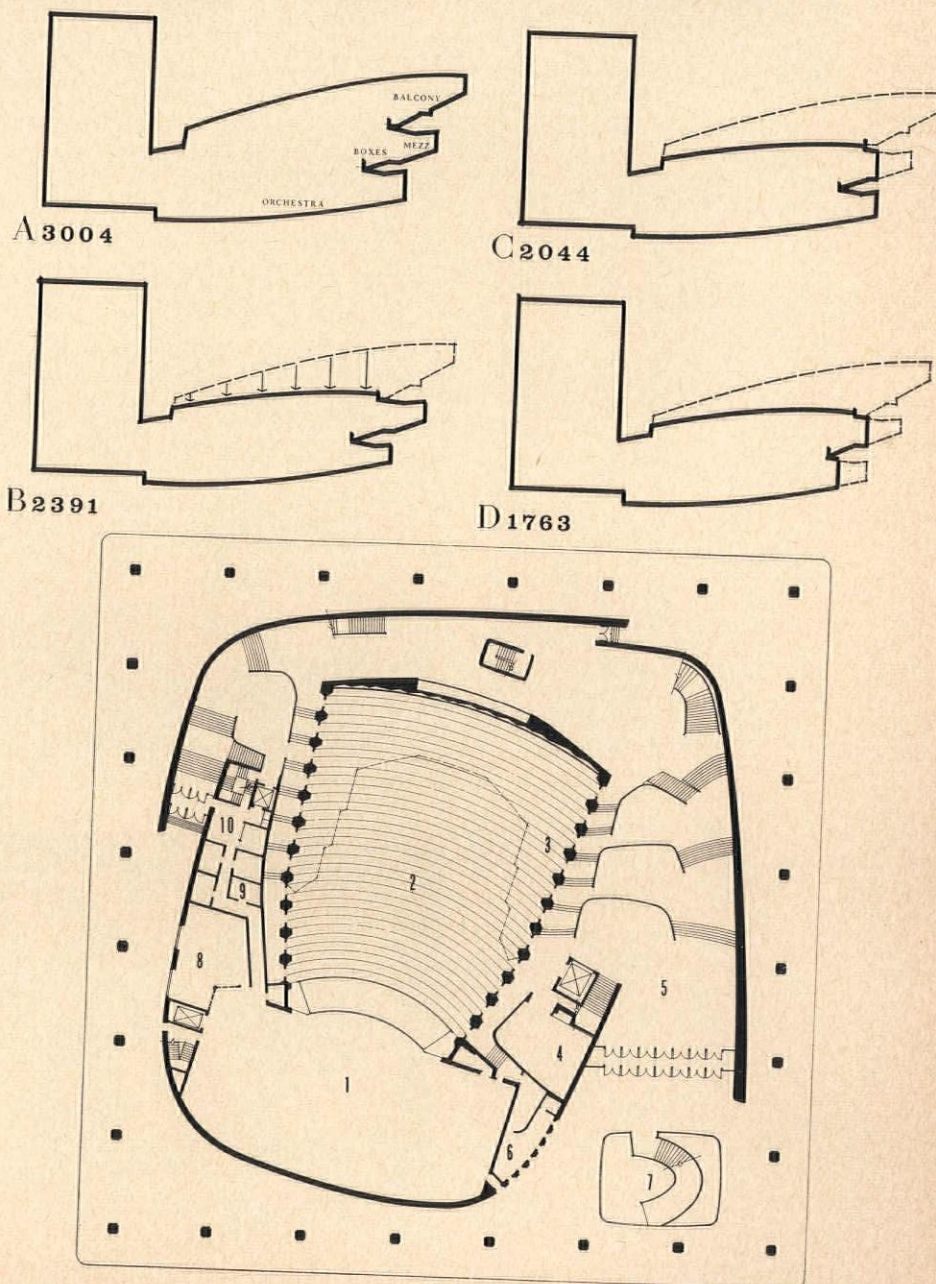
HOUSTON TO GET FOUR-CAPACITY AUDITORIUM

HOUSTON, TEXAS On land donated by the city and with \$6,000,000 from Houston Endowment, Inc., the Jesse H. Jones Hall for the Performing Arts, designed by Caudill, Rowlett & Scott, will feed the cultural appetites of Houstoners by 1965.

The auditorium, named after Franklin D. Roosevelt's last Secretary of Commerce, will feature curved walls faced with travertine sheltered behind a classic colonnade sheathed with granite panels. A roof-high, glazed entrance will reveal the dramatic 65-ft-high terraced Grand Lobby. Generous tiered foyers at box, mezzanine, and balcony levels will also overlook the main lobby floor. Stage will be the largest in Houston, and will be adjustable from 60' to 36' in width and 28' to 18' in height. All but the top 6' of the stage tower will be housed under the deep, flat roof of the building. A block-long civic plaza is being considered for the site across from the auditorium, to sit atop an underground parking garage.

A notable feature of the hall will be that it can be adjusted to four different seating capacities. For occasions requiring full seating, the entire auditorium will be opened to its 3004 capacity (see A in sections, top, right). For a crowd of almost 2400, ceiling panels will be lowered to the balcony rail (B). The mezzanine will be screened off by electronically-controlled panels for an audience of around 2000 (C). About 1800 (D), will be accommodated by screening off the last five rows of the orchestra.

Plan (right): 1 stage; 2 orchestra; 3 boxes above; 4 green room; 5 lobby; 6 ticket booths; 7 stairs to offices below; 8 receiving room; 9 stars' dressing rooms; 10 stage door.





Fantasia of Forms in Proposed Marine Park

SAN DIEGO, CALIFORNIA. Marine Park is a recreational-educational area proposed for Mission Bay Park here. Described by the architect, Victor Gruen Associates, as "a new approach to the aquarium-type park," the project will feature many types of exhibits dealing with the world's ocean life.

There will be five major exhibits: a theater with underwater viewing facilities showing large sea mammals; a "reef building" with four great tanks showing reef denizens in natural settings; an exterior lagoon for whales and other large specimens, with an adjoining amphitheater for viewing; a separate aquarium for small sea life; and a pool and exhibit space for showing Japanese pearl diving and pearl culture. In addition, there will be a Hawaiian pavilion, outdoor pools for seals, otter, and water birds, and snack bars and other concessions. Materials to be used will emphasize natural look in the parklike setting—rough-sawn wood and stone.

Of architectural note is the disparity of forms selected for the various buildings. The theater (1) will have a long, swooping roof to house the underwater show; the Hawaiian pavilion (2) will recall the indigenous architecture of the islands; and the reef building (3) will have a rather formal design compared to the rest of the project.



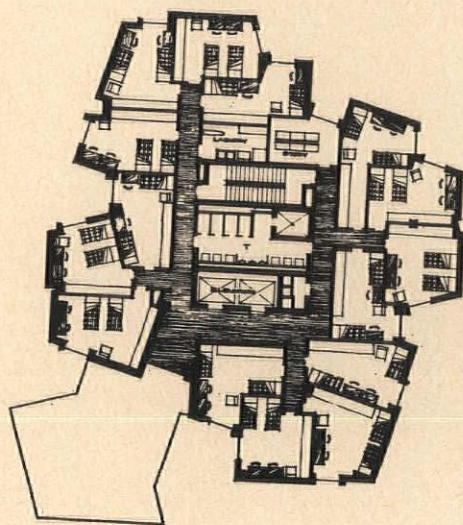
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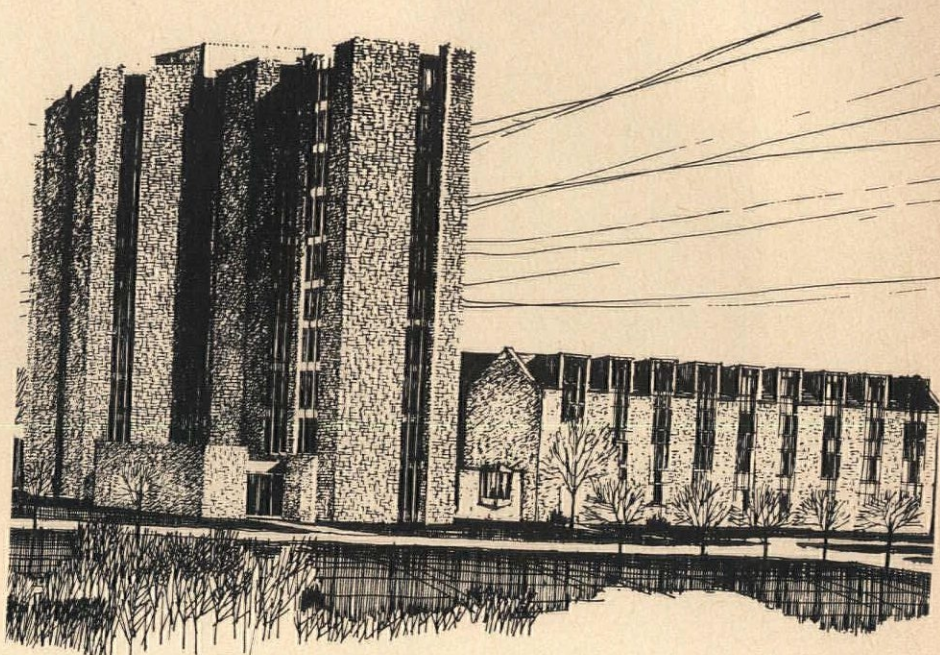
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Men's residence hall



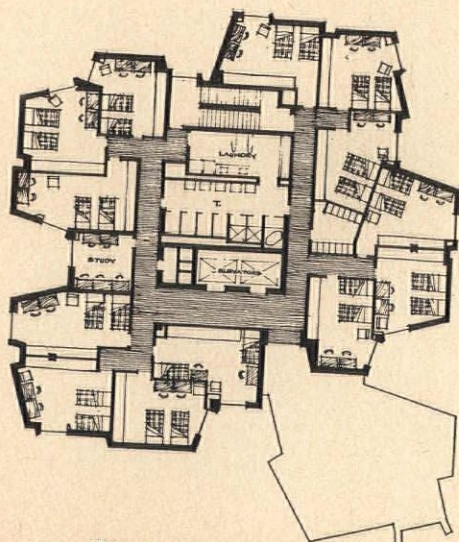
Minnesota Dormitories Have Noted Ancestor

NORTHFIELD, MINNESOTA The outspoken critics of Eero Saarinen's Ezra Stiles and Morse Colleges at Yale University will be beside themselves when they see the designs for the men's and women's residence halls at St. Olaf College in Northfield, Minnesota. Fans of the Saarinen creation, on the other hand, may be either enthusiastic about or bemused by the project by Sovik, Mathre & Madson, for Yale is the unmistakable progenitor of St. Olaf in this case. Is this

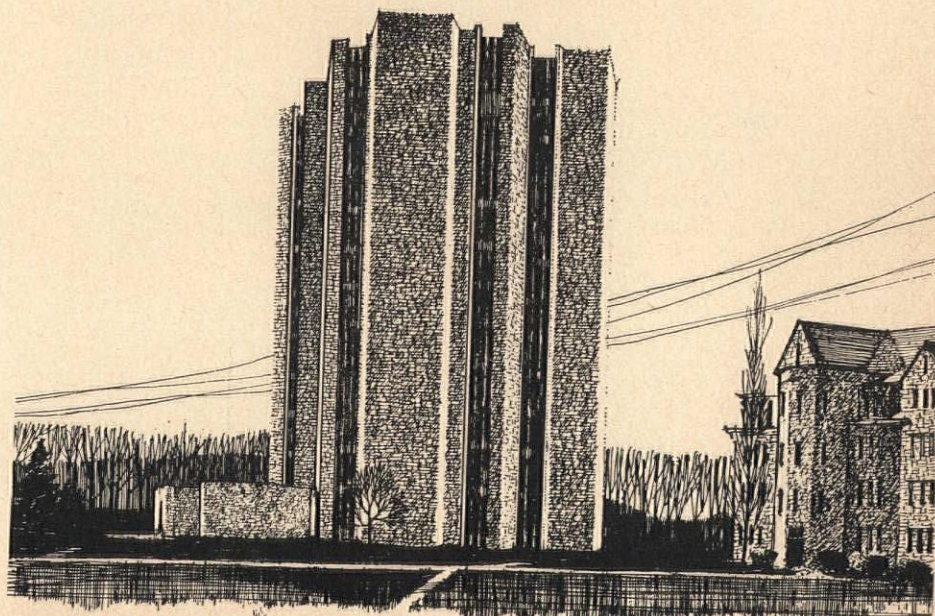
bad? Opinions will differ, but it will be interesting to observe a somewhat similar solution at work in a small, rural college, as contrasted with that in a large, urban university.

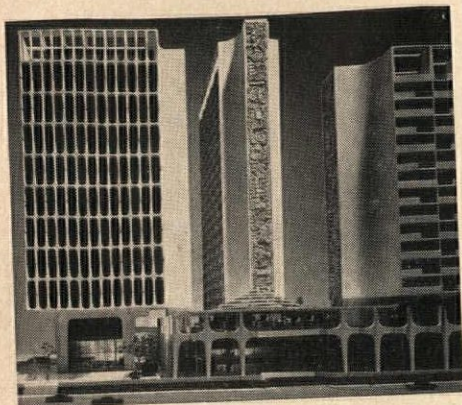
High-rise dormitories are proposed for St. Olaf's to (1) avoid the monotony prevalent in repetitious low-rise units, (2) repeat the informal irregularity of the hilltop area, and (3) through vertical emphasis and use of materials, to blend with the more traditionally designed structures of

the college. In both dormitories, from 25-30 students (a grouping found desirable by many deans of men and women) will occupy each floor in irregularly-shaped two-student rooms around a core containing showers, toilets, elevators, stairs, study, and laundry. No two rooms on any floor will be similarly shaped. Studies by the college indicate that these halls will cost no more than conventional halls. They will have stone exterior walls with steel casement windows.



Women's residence hall

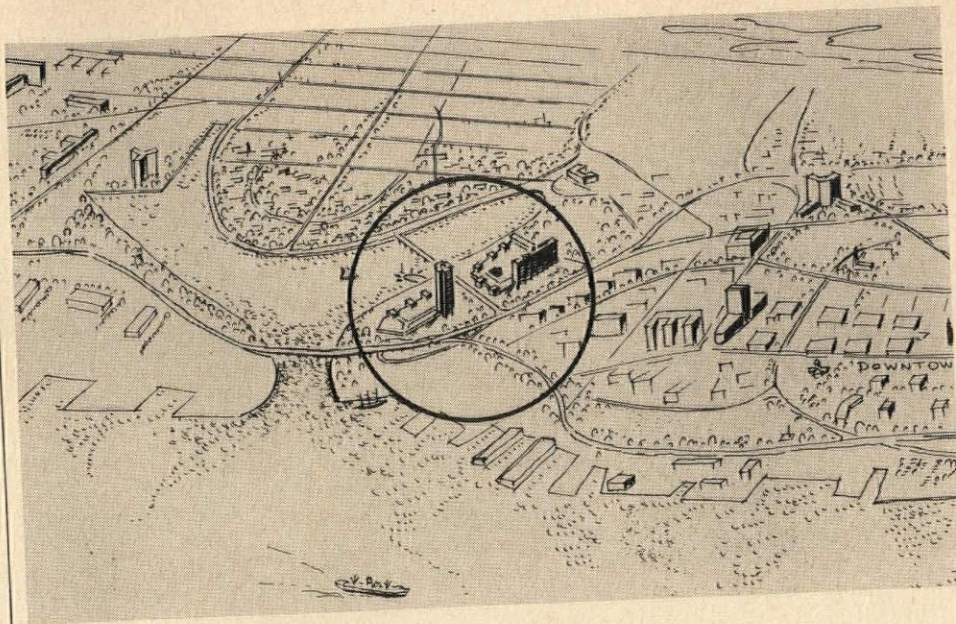




BIG-SCALE REGIONAL ART IN PHOENIX

PHOENIX, ARIZONA Sand castings reflecting the regional art of the Southwest will enliven the end, mechanical core walls and the exterior of a round brokerage office at ground level in the proposed "Phoenicia, Arizona Executive Center," by Daniel, Mann, Johnson & Mendenhall of Los Angeles. The project is expected to provide a business, commercial, and residential center in this rapidly growing city. The city-block area will encompass three high-rise buildings situated around a central "helicoid" sheltering a shopping area: a 12-story apartment building, a 20-story hotel, and a 16-story office building. There will be garden apartments and cabanas in a recreation area between the apartment building and the hotel.

Whoever named "Phoenicia" should know that the name refers to a civilization that flourished in the Eastern Mediterranean region from approximately 1250 B.C. to about the 4th Century B.C., whereas "Phoenix" was, of course, named after the fabulous avian symbol of death and resurrection sacred to the Egyptian sun god.

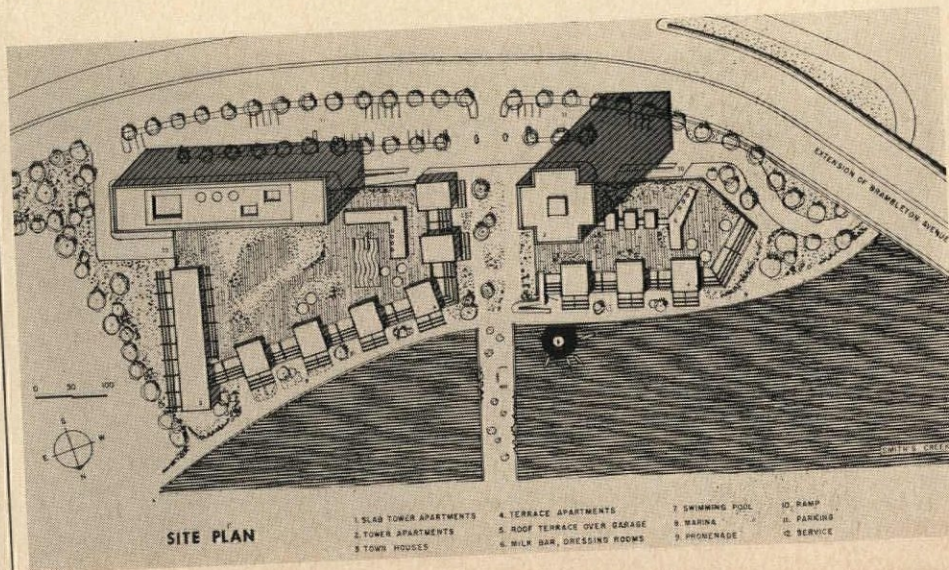
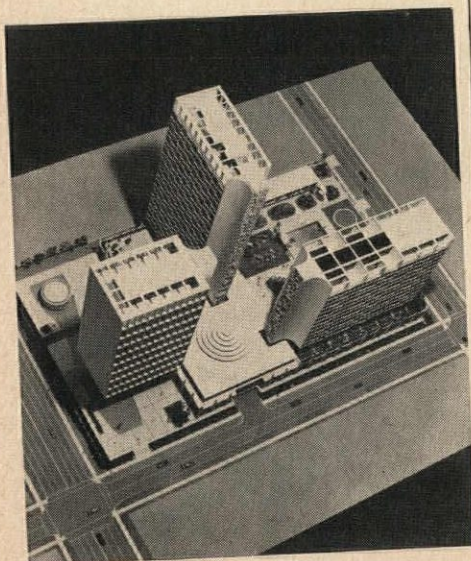


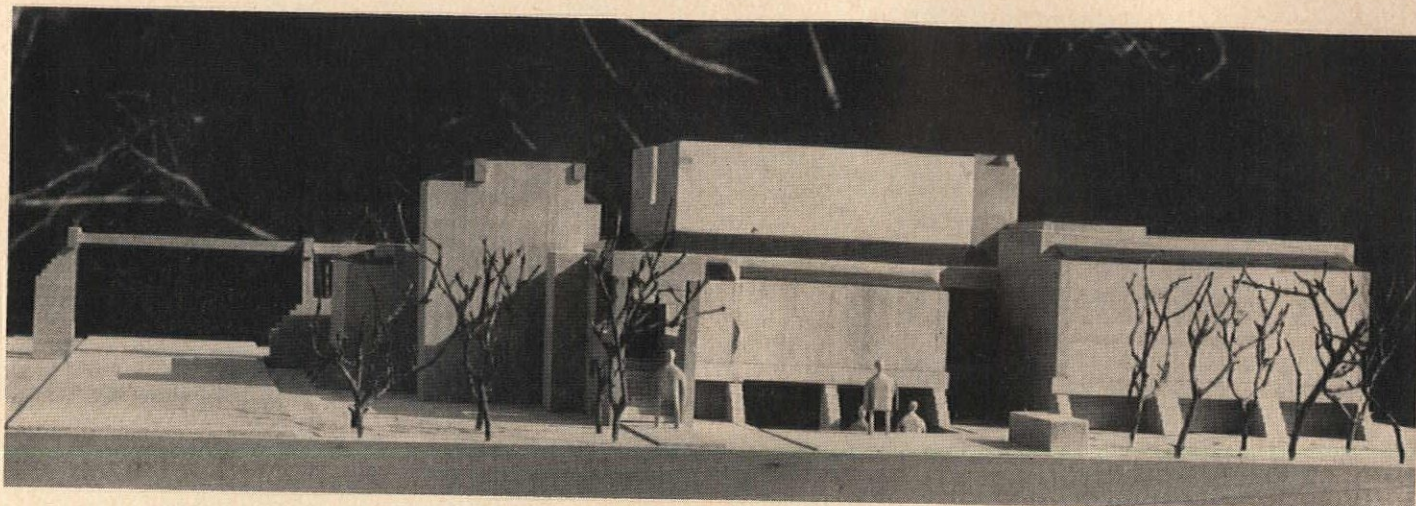
Housing for a Growing Norfolk

NORFOLK, VIRGINIA This city, which has had a 43 per cent population increase in the last decade, and is currently undergoing such improvements as the Civic Center and Medical Towers by Vincent G. Kling (with Childs & Smith), is experiencing a growing need for urban housing. To answer this need at least partially, a competition was held among developers not too long ago for a project on Smith's Creek, an offshoot of Elizabeth River, which flows past the city. Winner was the design by Otto E. Reichert-Facilities for Samuel and Harry Berger of Philadelphia.

The residential development, named "Golden Towne" by its sponsors, will be ideally located about halfway between downtown Norfolk and the new Medical Center—about a five minute walk in either direction. Since the site is blessed with a view worth looking

at, the architect has proposed a slab apartment building and a cruciform apartment tower overlooking plazas sheltering two levels of parking. At the edge of the plazas, and appropriately blocked off from noise that may emanate from any recreational activities taking place there, will be the town houses, which will also enjoy uninterrupted views of Smith's Creek and the river. The lobbies, terraces, and promenades of the project will be embellished with especially-commissioned sculptures, murals, and fountains; more physical tenant amenities will include a marina on the creek, swimming pool with adjacent dressing rooms, and a milk bar. In addition to underground parking, there will be open-air parking screened by trees at the rear of the site, between the apartment buildings and the access road to the development.





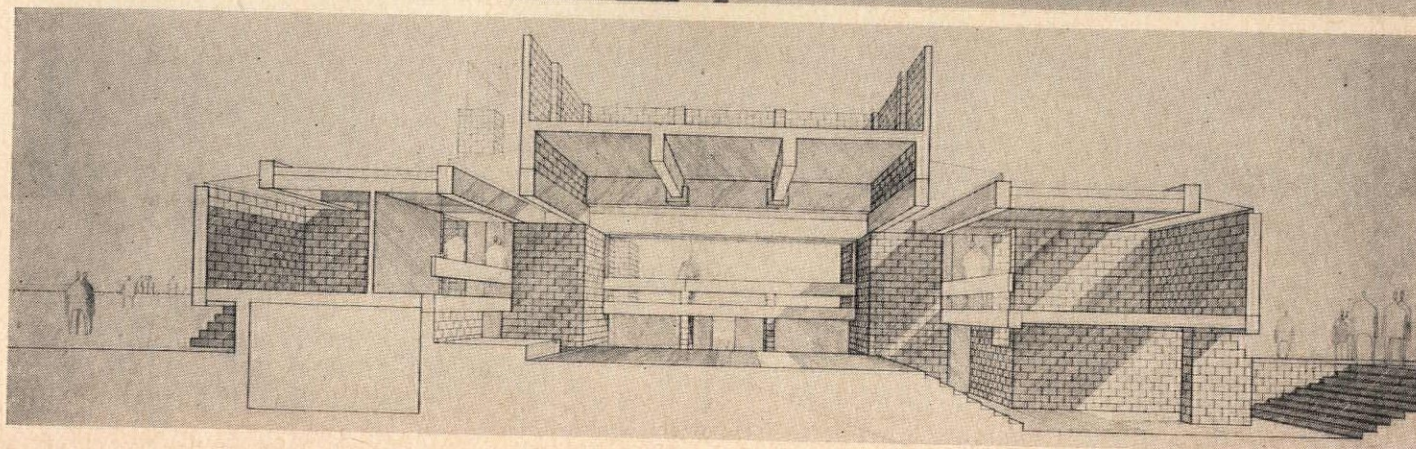
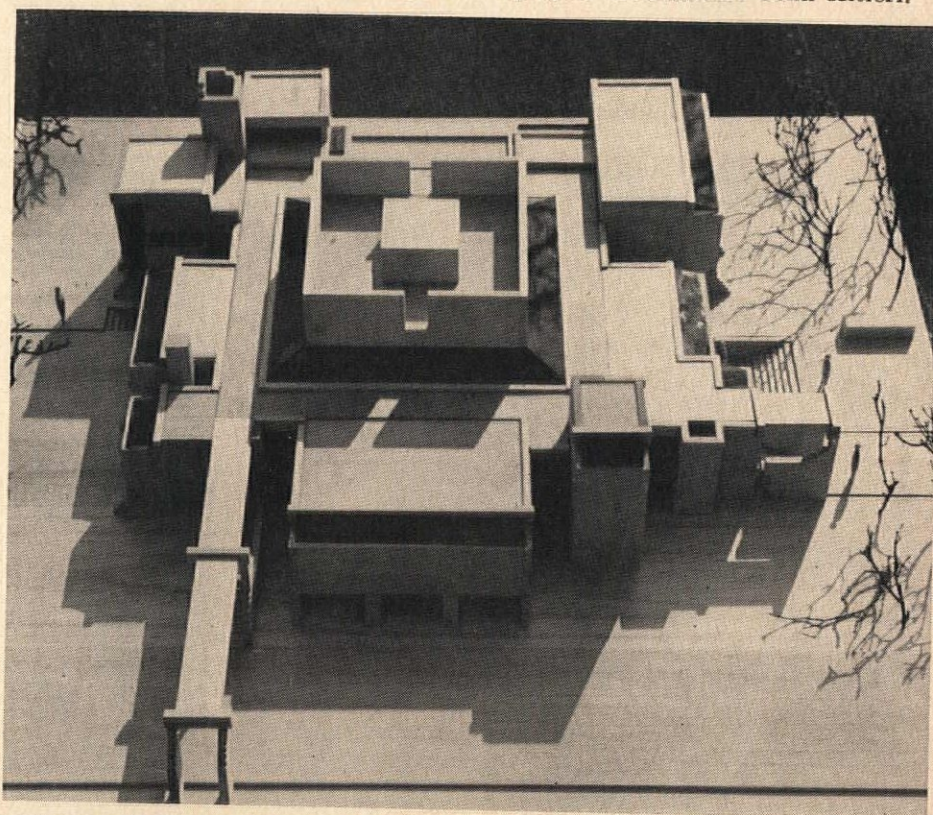
Another Notable Design Set for New Haven

NEW HAVEN, CONNECTICUT This city of 152,000 is rapidly becoming one of the country's outstanding galleries of mid-20th-Century architecture. Of course, Yale helps with buildings by Saarinen, Rudolph, SOM, and Johnson, but the town is doing almost as well as the gown: cf., Carlin's firehouse, an SOM school, Rudolph's garage, and now, an interesting union building by William Mileto and John Fowler.

Designed for the Teamsters, Chauffeurs & Helpers Union, the building will basically be a hollow square of offices elevated above a central meeting hall. Mileto states that the building must house the private functions of the president, secretary, and committees, plus the more public activities such as meetings, health checkups, receipt of subscriptions, and inquiries. There will be two entrances to the meeting hall, one from the street (*above*), and one from the parking lot (*right*). The president will have a separate entrance off the drive to the parking lot. A stairway at the front will take union members to the public waiting room. The 150-capacity meeting hall will admit light during the day through a continuous perimeter skylight, and the areas between the hall and the offices (called "cells" by

the architect) will be side-lit. All "cells" will be top-lit. Materials will consist of concrete block walls, re-

inforced concrete beams, and heavy timber planks. Structural: Herman Spiegel; Mechanical: John Altieri.





1. To insulate masonry walls well:



2. Start with Styrotac® bonding adhesive.



5. Take wallboard. (Forget the vapor barrier.)



6. Styrotac goes on.



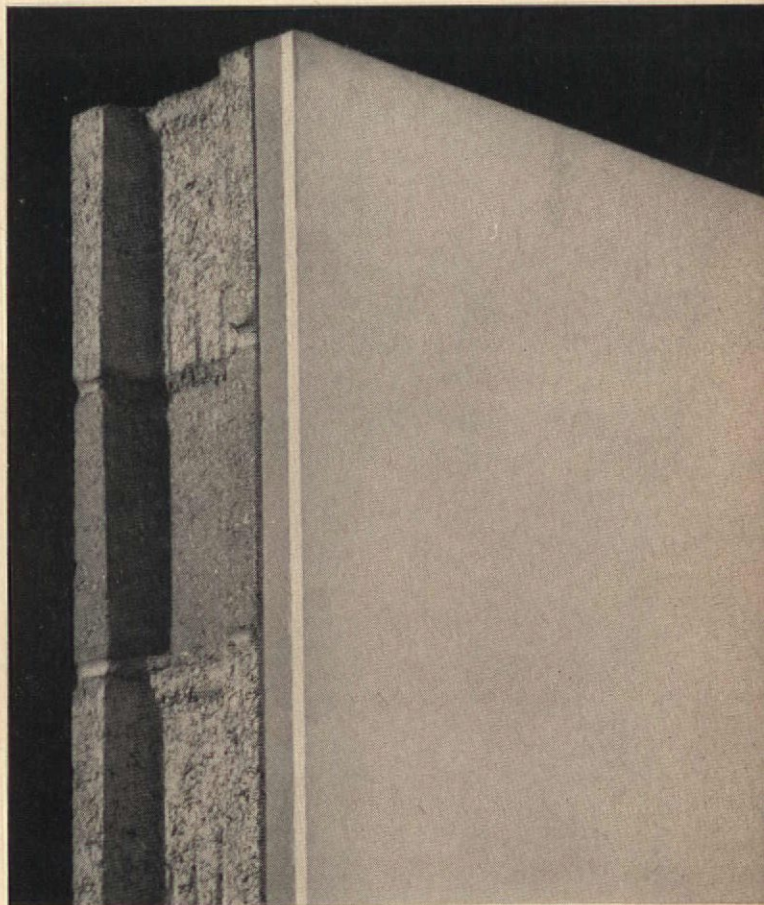
3. Specify Styrofoam® FR insulation board. It prevents moisture absorption and migration; keeps its low "k" factor (0.26!) *permanently*.



4. Styrofoam FR is pressed into place.



7. Wallboard goes up. Finished wall (8-in. cinder block, 1-in. Styrofoam FR) has U factor of 0.14.



8. Want more data? Consult our catalog in Sweet's Architectural File, or write: The Dow Chemical Company, Midland, Michigan.

For more information, turn to Reader Service card, circle No. 317



AIA AWARDS

For the first time in its 108-year-history, the AIA has awarded a citation to a U. S. President for his work for, and interest in, superior design and planning. The recipient, appropriately enough, is John F. Kennedy, who is probably the most active and efficacious chief executive in this field since Thomas Jefferson.

Five Honor Awards and eight Awards of Merit will be presented for architecture at the AIA Convention in May. Honor Awards: the late Eero Saarinen for the Ezra Stiles and Morse Colleges at Yale; Anshen & Allen for International Building, San Francisco; Minoru Yamasaki and Ralph M. Parsons for Dharan International Airport, Saudi Arabia; Skidmore, Owings

& Merrill (New York) for addition to the Knox Art Gallery, Buffalo, N.Y.; and Joseph Salerno for the House of Worship, Rowayton, Conn. Awards of Merit: the late Eero Saarinen for TWA Terminal, Idlewild; Skidmore Owings & Merrill (New York) and Nolan, Norman & Nolan for John Hancock Building, New Orleans; Harrell & Hamilton for Riverside Apartment Tower, Oklahoma; Edward D. Stone for addition to General Community Hospital, Carmel, Calif.; East Tennessee Chapter AIA for Market Square, Knoxville; The Architects Collaborative for academic quadrangle at Brandeis University (Benjamin Thompson, Partner in Charge); Marquis & Stoller for house in Mill Valley, Calif.; and George Nemeny and the late J. J. Levinson for house

in Kings Point, N. Y.

AIA will complete its wrap-up of contemporary greats at the May convention with the awarding of its Gold Medal to Alvar Aalto.

Medals in associated fields will go to Isamu Noguchi (Fine Arts); R. Buckminster Fuller (Allied Professions); Paolo Soleri (Craftsmanship); and G. E. Kidder Smith (Architectural Photography). Citation to an Organization will go to the American Craftsmen's Council; and the Edward C. Kemper Award will be received by Samuel E. Lunden of Los Angeles. Scheduled to be made Honorary Members of AIA for "distinguished service to the profession" are Dr. Kenneth John Conant, professor emeritus of architecture at Harvard; Rev. Dr. Edward S. Frey, Director, Commission on Church Architecture, Lutheran Church in America; Charles D. Gibson, Chief, Bureau of School Planning, Dept. of Education, State of California; Dr. Walter Littlefield Creese, new Dean of the School of Architecture and Allied Arts, University of Oregon; and Ernest P. Mickel, Washington Editor of F. W. Dodge.



Photo: Courtesy Italian State Tourist Office

OPPORTUNITY IN ROME

The entrepreneurs of Madison Square Garden, currently planning the destruction of New York's Pennsylvania Station, should be advised of an even more thrilling opportunity for vandalism in Rome. A recent advertisement in the *Rome Daily American* momentarily interrupted the flow of *la dolce vita* with the announcement that the Trevi Palace, which forms the integral backdrop for Anita Ekberg's more famous, "three-coins-in-the" fountain, is up for sale. The fountain-palace was designed in 1735 for Pope Clement XII by Niccolo Salvi, but was not completed until 1772. But let the ad speak for itself.

"Sensational Buy in Rome! Trevi Palace for Sale. For Important Use, Such As: embassy, hotel, offices of large company or international organi-

zation, [italics theirs] we offer you a unique opportunity, really exceptional! Think what an occasion it will be for you, from the point of view of prestige, to be the owner of this magnificent building. The world-famous Trevi Fountain at your doorstep would be invaluable publicity for you. It is one of the most beautiful palaces in the world, 5,338 sq. metres. floor space—23,540 cu. mtrs. volume. Two Distinguished Entrances, Large Gracious Salons, Central Heating System, Plenty of Water, Two Elevators, Wonderful Panoramic View from Terrace, Possibility to construct additional floor. For information: Soc. S.A.F.I. (Sales Office), 41 Via G. Paisiello, Rome."

Several offers have already been made, one from a hotel chain.

Robie House Fund

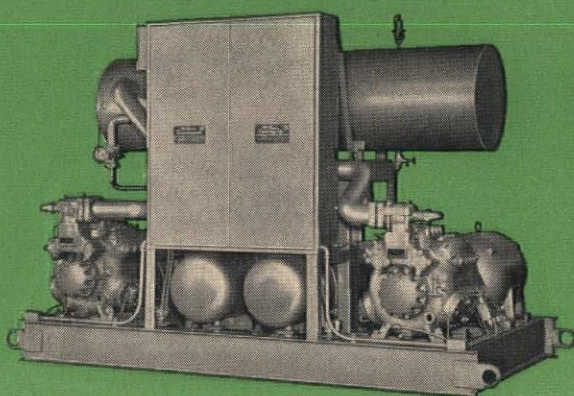
A fund for the restoration of Frank Lloyd Wright's Robie House has been established with a view toward collecting \$250,000 from the structure's admirers throughout the world. Recently, the deed to the house was presented to the University of Chicago by William Zeckendorf, chairman of the board of Webb & Knapp, Inc., who moved in and acted to save the building when it was threatened with destruction a few years ago. Information can be obtained from, and contributions sent to, Ira J. Bach, Chairman, Committee for the Preservation of the Robie House for the University of Chicago, Room 1006, City Hall, Chicago 2, Ill.

EDUCATION

The Paolo Soleri workshop, sponsored by Arizona State University, will emphasize the wash-away silt technique of producing scale models and sculpture. The five-week workshop, which begins June 17, seeks non-Arizona State applicants who have completed two years of architectural design or studio work. Final applications must be sent to James W. Elmore, Director, School of Architecture, by April 1 . . . William Strode, architectural engineering chairman for the American Society for Engineering Education,

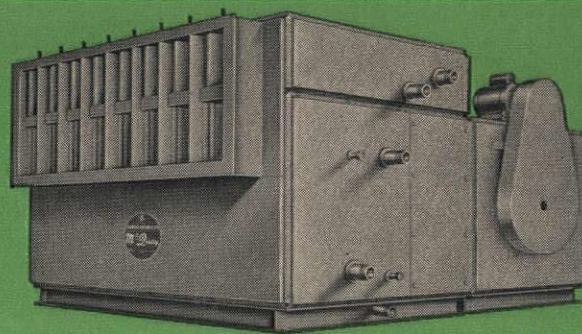
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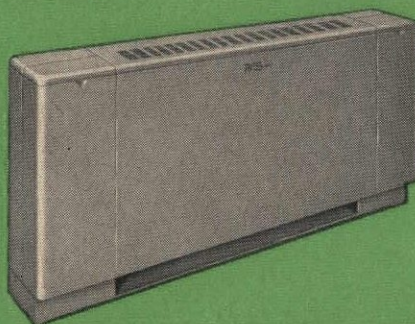
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Seasonpak, economically producing maximum system efficiency when installed with McQuay air handling and fan coil equipment, is completely modern and fully proven in field service. Like the famous Seasonmakers and Seasonmasters, the Seasonpak is built to the same high standards of quality that have characterized these McQuay products for years. For more information on the new Seasonpak—and the complete systems McQuay now offers—write McQuay, Inc., 1638 Broadway N.E., Minneapolis 13, Minn.

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MANUFACTURING PLANTS AT FARIBAULT, MINNESOTA • GRENADA, MISSISSIPPI • VISALIA, CALIFORNIA

has joined the Texas A&M faculty to direct graduate research in structures. Other newcomers at Texas A&M are assistant professors Guillermo Vidaud and Weldon C. Steward, and instructors Steve M. Vaught and David G. Woodcock . . . The University of Washington, Seattle, has established two departments from its College of Architecture and Urban Planning, naming Meyer Wolfe chairman of Urban Planning and Victor Steinbrueck acting chairman of architecture . . . Staff additions at the University of Virginia are: Peter Faller of the Technische-Hochschule, Stuttgart, as lecturer in architecture, and Donald H. Miller, who recently completed a research fellowship at Delft, as assistant professor in city planning.

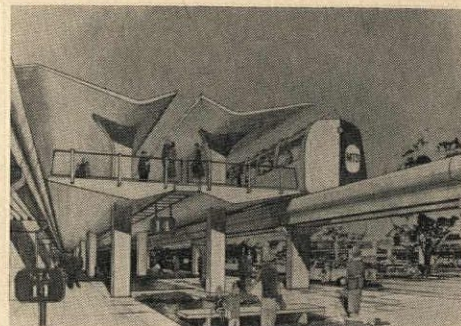
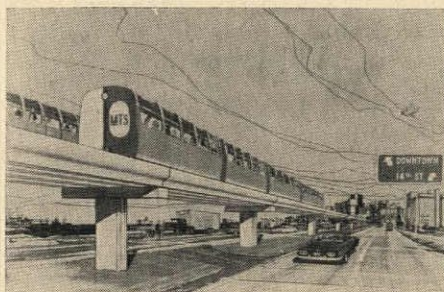
COMPETITION

The Government of Kuwait has announced a competition, open only to registered U. S. architects, for the design, construction supervision, and eventual demolition of that country's pavilion at the New York World's Fair. Competition prizes will be \$4,000, first; \$3,000, second; and \$2,000, third. Winning architect will be engaged for supervisory and demolition operations, and will be reimbursed in accordance with standard AIA fees. Project information from Embassy of Kuwait, 2500 Calvert St., Washington, D. C.; fair information from Charles Poletti, Vice-President, International Affairs and Exhibitions,

New York World's Fair Corp., Flushing Meadow Park, Flushing 52, N.Y.; competition announcement from Commodity and Export Promotion Staff, Business and Defense Services Administration, Room 4317, U. S. Dept. of Commerce, Washington 25, D. C.

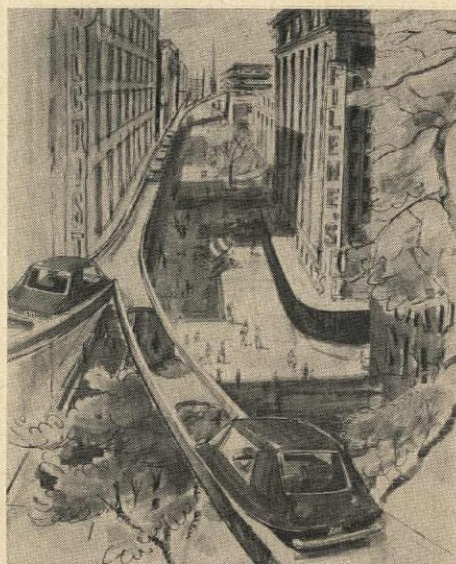
Two for the Transit

Two proposals for transit systems have come down the pike in recent weeks, one emphasizing in-town, metropolitan transportation, the other suggesting new means of car-less commuting. The "Transit Expressway" system proposed by Westinghouse Electric Corporation's Industrial Systems Group will recall to many the "Monorail" introduced at Seattle's Century 21 Exposition. The system utilizes a 20-passenger car (operating in trains of from 1 to 10 units) traveling at speeds up to 50 mph on a trespass-free, aerial, closed-loop expressway. The 8600-lb cars (present rapid transit rail cars weigh about 60,000 lbs) would travel on a

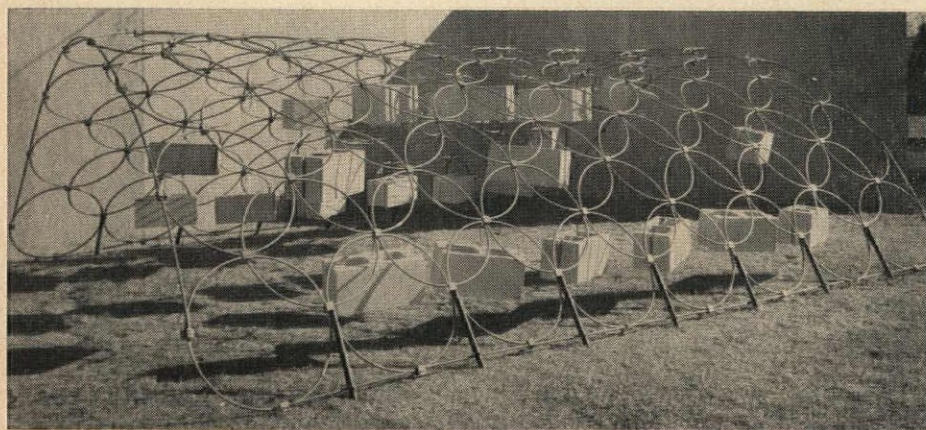


roadway of two precast, prestressed concrete beams supported by concrete piers at 44-ft intervals. Guiding principles would be four horizontal rubber guide wheels riding against the curbs of the roadway. Dual tires would be used on each wheel to guard against flats. Automation of traffic, speed, and other operating factors would be used "to the maximum extent consistent with safety and reliability standards."

A system that would function as an artery to stream commuters into cities, as well as get people around town without clogging the streets with automobiles, was proposed by Automation Management, Inc., of Westboro, Mass. Called "staRRcar" (below)—which stands for self-transit



rail and road car system (automation hasn't caught up with the English language yet, obviously)—the system features small units called, naturally, "staRRcars," which the commuter can drive like a car to a spur track giving onto a main track leading into the city. The unit is automatically accelerated to 70 mph upon entering the main track, and joined to a train of similar units, all operating under the same propulsion. (This enables the traveler to have his hands free for finishing his coffee, reading his paper, or any other entertainments that may come to mind.) When his "staRRcar"



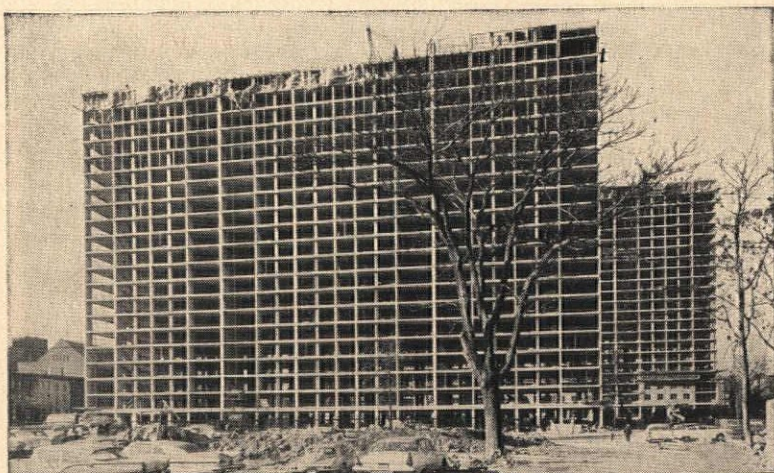
Truss System Wins Reynolds Student Prize

Winner of the \$5000 Reynolds Aluminum Prize for Architectural Students, to be presented at the AIA Convention in May, is Manuel A. Fernandez of the University of New Mexico. The design is a structure on the geodesic principle using a series of interlocking aluminum rings. By interlacing the rings to achieve the desired curvature, Fernandez reduced the

more familiar tetrahedron unit of the geodesic structure to a single, circular component. Joint used in fastening the rings is a simple cube with four holes through which the rings are threaded. Weight tests on the model gave it a load per weight ratio of seven to one. Jury for the competition included Linus B. Smith (chairman), Robert Anshen, and Philip D. Creer.



PENN STATION SOUTH, Manhattan—Ten buildings in a 5-block area, accommodating 2,820 families. Architect: HERMAN J. JESSOR; Engineers: FARKAS & BARRON; General Contractor: COMMUNITY SERVICES, INC.; Ready-mix Concrete: M. F. HICKEY CO., INC.



UNIVERSITY TERRACE, Brooklyn—Three 24-story towers containing 978 apartments. Architects: KELLY & GRUZEN; Engineers: FARKAS & BARRON; General Contractor: TISHMAN CONSTRUCTION CORPORATION; Ready-mix Concrete: RYAN READY MIXED CONCRETE CORP.

YORKSHIRE TOWERS, Manhattan—Twenty-one-story tower with 700 apartments. Architect: SLINGERLAND & BOOS; KAVY & KAVOVITT, INC.; Ready-mix Concrete: COLONIAL SAND & STONE CO., INC.



HIGH-RISE IN A HURRY

Major apartment builder
specifies INCOR® for both summer
and winter construction

Underhill Construction Corp., a leading concrete contractor in the New York metropolitan area, has established an enviable reputation for skillful, on-schedule construction of high-rise apartment buildings. Shown here are a few of the current Underhill projects.

To maintain efficient, streamlined schedules in both winter and summer construction, Underhill specifies concrete made with "Incor" High Early Strength Portland Cement. The early service strength of this concrete saves in finishing time, permits stripping forms sooner, and allows maximum construction speed.

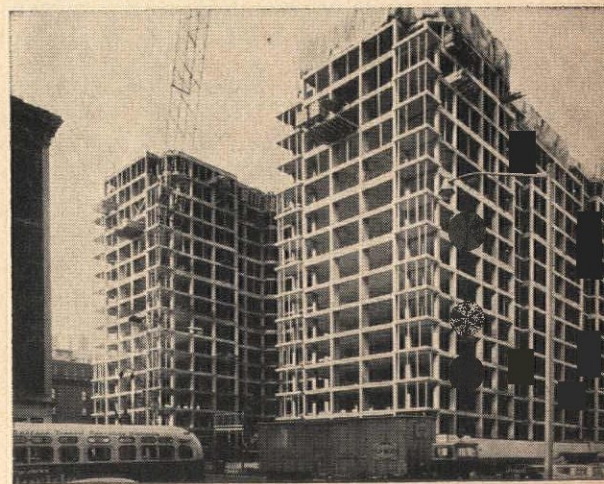
With selective use of Lone Star Portland Cement and "Incor" 24-Hour Cement, the contractor has complete flexibility in setting up concreting schedules. Job practice often suggests, for example, that "Incor" be used for the first four days of a five-day week, switching to regular Lone Star on Friday for week-end curing. Such selective concreting results in maximum efficiency and economy.

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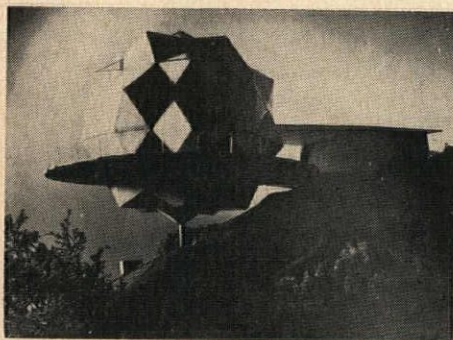


INCOR® 24-HOUR CEMENT

CAROL TOWERS, Manhattan—One of the tallest reinforced concrete apartment buildings in New York; 34 floors. Architect: PHILIP BIRNBAUM; Engineer: ROBERT ROSENWASSER; Ready-mix Concrete: COLONIAL SAND & STONE CO., INC.



approaches the desired exit in the city, the commuter (presumably in full control of his senses by now) presses dashboard buttons that cause the car to leave the main track automatically, decelerate, and enter a garage especially designed for the unit. Since individual cars would not be owned, but used instead on a special license and commutation ticket system, the garage would be set up on a first-in, first-out basis. As soon as he has downed his last post-work Martini, the householder could return to the garage, hop into the first "staRR-car" on line, and zip home to the madame blithe as a sparrow (and as unexpected, perhaps, given the absence of the good old train schedule).



Icosahedron House

House project in New Jersey by Mat Kauten of New Hope, Pa., is based on a truncated icosahedron, or twenty-sided polyhedron. (This one is a polyhedron of 12 pentagons and 20 hexagons having all sides equal, and acting as bases for 12 pentagon pyramids and 20 hexagon pyramids with all apexes in a sphere.) Main level features an open plan with living area, dining area, kitchen, and master bedroom around a central fireplace. A spiral staircase leads down to three children's bedrooms, and there is a bedroom balcony over the master bedroom, bath, and kitchen. The owner plans to construct a funicular railway on the precipitous site.

Greece-y Kid Stuff

Not exactly kid stuff, but a lot of fun, were the "columns" designed by New York architect Rolf Myller as décor for the Athenian Ball at the Plaza Hotel in Manhattan. The affair is the annual get-together of the Athens (Greece) College Alumni Association, a group, according to Myller, "to whom any theme must include columns." In order to introduce an airy feeling that would not compete with the already grandiose impact of the Terrace Room, the architect fashioned

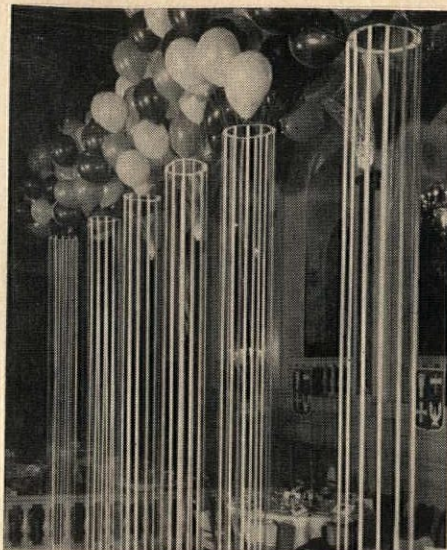
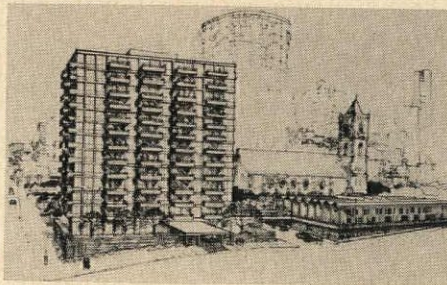


Photo: Robert Beckhard

columns of fireproof plastic tape supported by clusters of multicolored, gas-filled balloons. Circles of $\frac{3}{4}$ " plywood acted as bases. Myller refers to the system as "columns in tension." He says that much of the fun of the evening came when dancers moved the columns around into casual groupings on the floor.

Church Houses Elders

Martin Luther Tower is a project by St. Marks Lutheran Church in San Francisco for a 12-story apartment



house for the elderly, designed by Donald Powers Smith. The building will contain 51 studio apartments and 72 one-bedroom apartments. The total project also includes a recreation building, a landscaped garden courtyard, and a parking area for residents. Cost is expected to be \$2,012,000.

PERSONALITIES

New president of the American Society of Landscape Architects is JOHN ORMSBEE SIMONDS, Pittsburgh . . . The 1963 R. S. Reynolds Memorial Award sculpture will be created by DIMITRI HADZI . . . Cooper Union Alumni Association "Alumnus of the Year" is WILLIAM LUKACS, director of

Research in Buildings and Furnishings Dept. of YMCA National Council . . . THORNE SHERWOOD, Sherwood, Mills & Smith, received the 1963 President's Award from the Columbia University Architectural Alumni Association . . . Recipient of the annual Building Stone Institute award is JAMES GAMBLE ROGERS II, Winter Park, Fla. . . JEFFREY ELLIS ARONIN, New York, is conducting an architectural tour of Europe, June 30-August 10; itinerary will include Portugal, Spain, Italy, France, Holland, Sweden, Denmark, and England; information on the \$1365 tour is available from Aronin, 101 Park Ave., New York 17, N. Y. . . M. ELLIOTT CARROLL is new director of Division of Professional Services of AIA . . . PHILIP N. BROWNSTEIN replaced NEAL J. HARDY as Commissioner of FHA . . . The late ELEANOR ROOSEVELT was honored with the naming of a New York housing development in her memory; A. GORDON LORIMER is architect for the first section of the project, and HAUSMAN & ROSENBERG for the second . . . WILLIAM E. FINLEY resigned as director of the National Capital Planning Commission to join Community Research & Development, Inc., as a vice-president . . . S. ELMER CHAMBERS, Syracuse, is new president of the New York State Association of Architects . . . ROCKWELL KING DUMOULIN, former chairman of the Division of Architecture, Rhode Island School of Design, is serving AIA as program director for the Pan American Congress of Architects to be held in Washington in 1965.

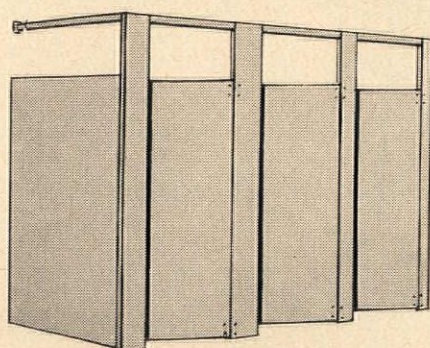
CALENDAR

"An Examination of the Shopping Center as a Nucleus of Intercity Activity" is the theme of the 1963 Urban Design Conference to take place at Harvard Graduate School of Design, April 26-27 . . . 67th annual meeting of the National Fire Protection Association will be in Portland, Ore., May 13-17 . . . "New Horizons for Engineering" is theme of the combined Design Engineering Conference/Design Engineering Show, New York, May 20-23 . . . 1963 Spring Seminar of the American Institute of Design and Drafting will be held May 23-24 at Wayne State University, Detroit . . . American Society of Landscape Architects will have its 64th annual meeting in Pittsburgh, June 23-26; theme is "The Landscape Architect and Public Parks" . . . Second Pacific Rim Architectural Conference will be in Mexico City, October 12-18; discussion topic will be "Consequences of Design."



NEW WALL HUNG COMPARTMENT

(Pat. Pend.)

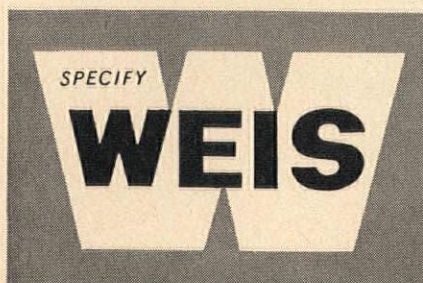


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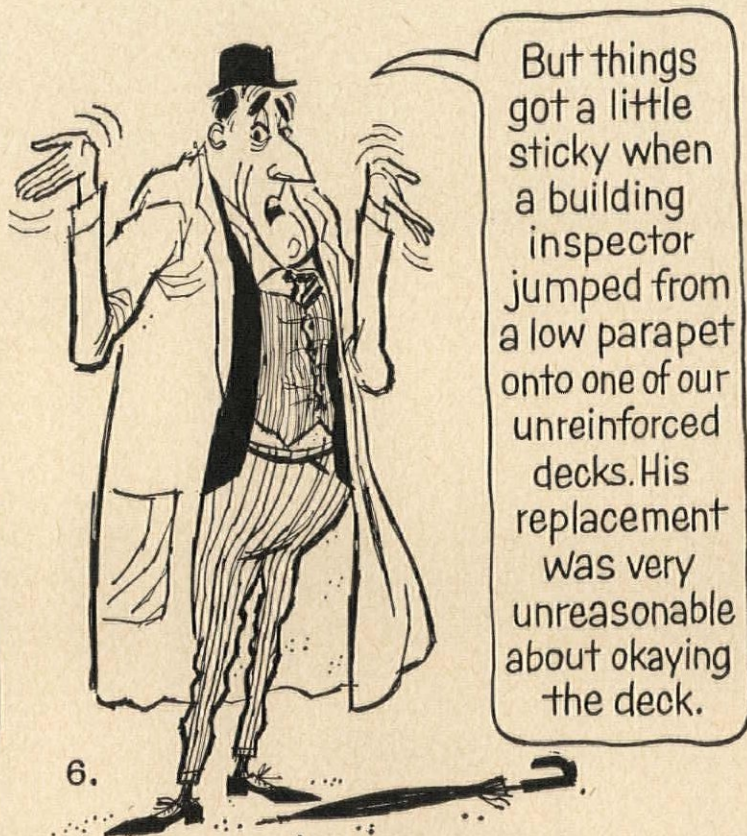
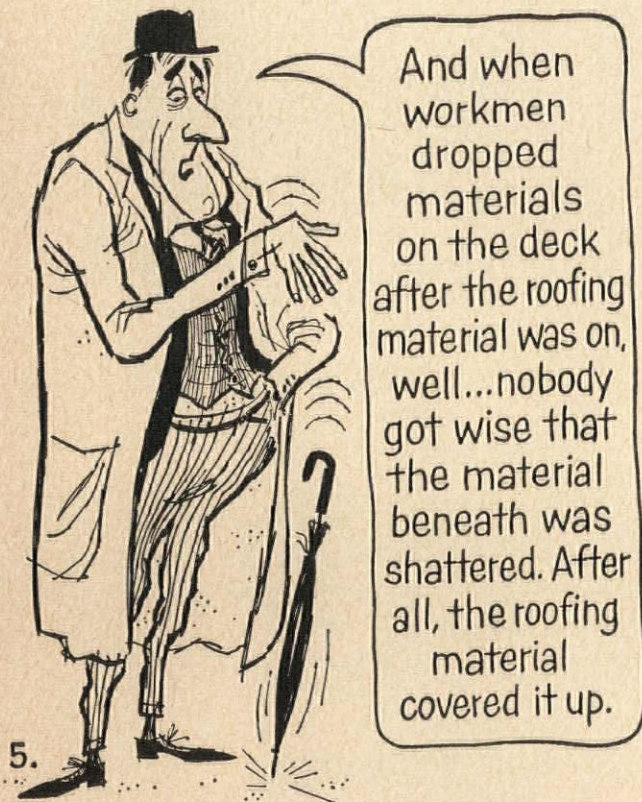
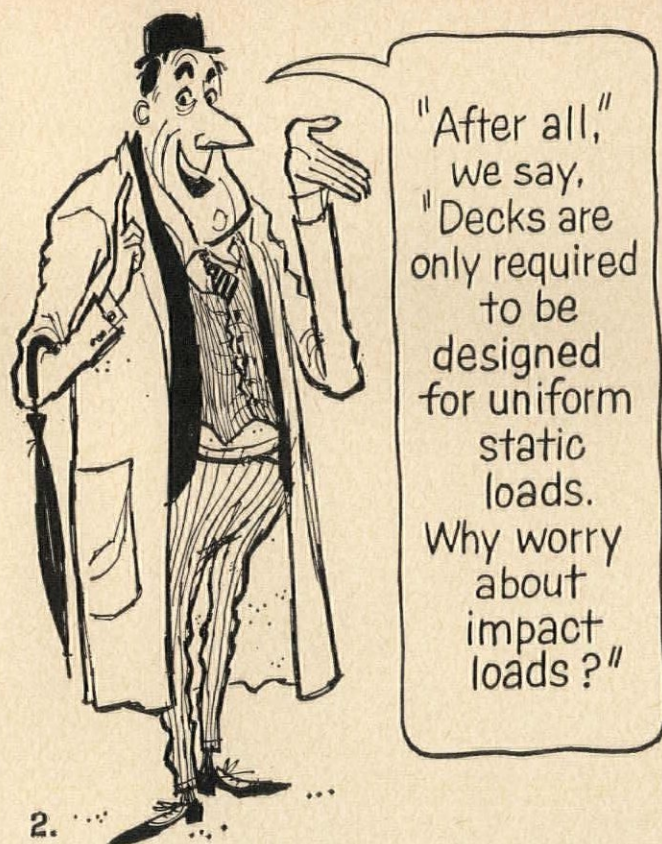
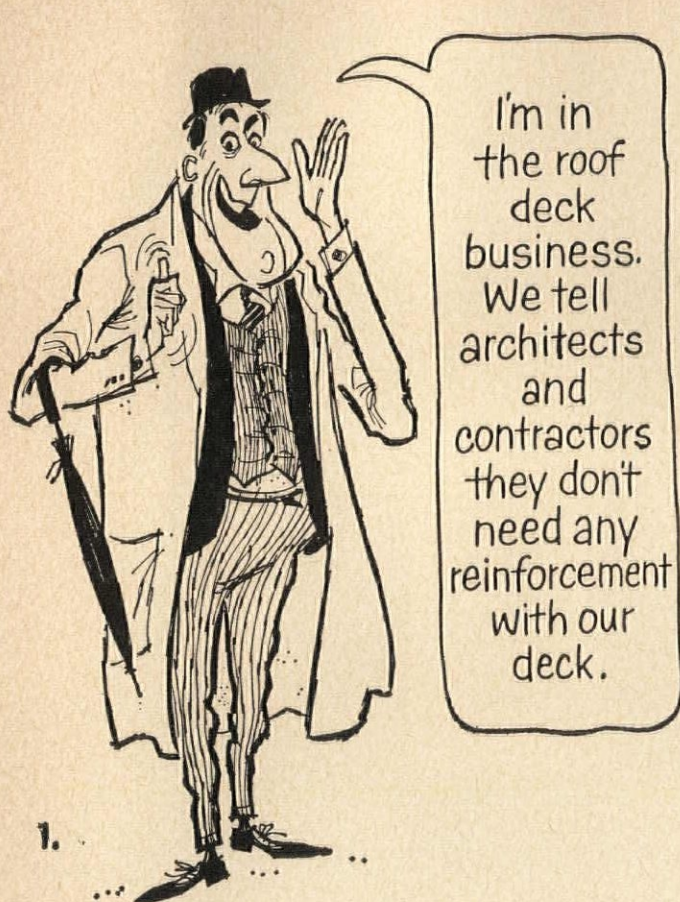
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THE EDUCATION BILL — ITS CHANCES



By E. E. Halmos, Jr.

Washington's intense concern with education this year is no surprise to observers. But it is no guarantee at all that any bills will get through Congress that will amount to very much.

Starting off with the President's own huge proposal, which could run to \$4.5 billion over a period of years, the education proposals have been coming thick and fast since the current session started.

They range from a dozen or more bills in both Houses that would give parents extra tax exemptions (up to an extra \$1000 a year in some cases) for children who are college students, to Senator Humphrey's plan for a sort of "study now, pay later" loan to students, plus grants for construction for specialized schools.

Biggest plans of all are centered in the Administration proposal: \$400 million for Fiscal Year 1963 in loans and grants for construction of school, library, and laboratory facilities; and a \$1.5 billion program of doling out funds to states for use in construction, for salaries, or for other purposes.

That could mean a lot of construction work, as well as new recruits for the profession.

But at this juncture, prospects for passage of any of these proposals are slim. Reasons are many, and some of them are political; but discount the heavy emphasis many commentators are putting again on religious issues. The real objections stem from financial considerations. Such proposed new spending, as part of the biggest budget in history, are frightening to many members of Congress.

In addition, there's the continuing mistrust in Congress of the basic figures on which Administration thinking is based—the annual releases by the Office of Education on classroom shortages, for instance.

Recently, OE reported a reduction in the national classroom shortage of about 6100—to a current total of 121,200 rooms. Arizona's Senator Goldwater, however, commented that some 72,000 classrooms were actually built in the 1961-62 period. "The Office of Education," said Goldwater, "will not allow the alleged shortage of classrooms to be overcome . . . no matter

how many classrooms are built."

His comment had obvious political overtones, but it does reflect a growing feeling that the figures are being adjusted to suit theories, not facts.

Further reason for Congressional caution on this and other programs is the new flood of extracurricular requests for money—"supplemental" spending bills, in the Washington jargon—that has already started.

More \$ From Highways

Architect/engineers could get some help on highway work, if Congress okays a new bill that would raise limitations on their fees from 10 to 15 per cent.

The 10 per cent limitation is written into the 1956 Highway Act, which limits fees to 10 per cent of Federal participation. Amid pressures last year, the Bureau of Public Roads cracked down further and limited the fees to a percentage of contract prices instead of on estimated costs.

But the new bill (S 626), introduced by Alaska's Senator Bartlett, recognizes that the limitation is inadequate, since, as Bartlett said, "the complexities of modern highway planning . . . have increased such costs substantially."

While on the matter of highways, incidentally, note that persistent comment on the part of architects on the minimal attention given to aesthetic considerations in highway construction seem to be having some effect.

Several of the speakers at the recent Washington session of the Highway Research Board also took engineers to task for failure to consider the impact of their roads on surrounding land.

Limiting Labor

You can take it for granted that Congress will pass some sort of legislation this session to restrict labor's powers.

The long-drawn-out newspaper strikes in New York and Cleveland, the month-long longshoremen's strike, plus increasing stoppages in missile and defense construction work, have worn Congressional tempers very thin.

Several bills have already been introduced in both Houses to curb union power. Most of them would place union operations under antitrust laws in some way.

Favoring Labor

Construction workers, however, would

gain some advantages—and architects would have to anticipate some higher costs—from proposed changes to the Davis-Bacon act, which controls rates of pay on Federal construction projects.

The bill (S 450) would require contractors to pay not only the "prevailing hourly rates," as determined by the Labor Department, but also "prevailing contractor payments" to (a) health and welfare funds, (b) retirement funds, and (c) apprenticeship funds.

These reforms have long been pushed by construction unions to keep non-union "outside" contractors out of established local areas, or at least force them to pay into union-managed funds.

FINANCIAL

While the debate over the growth—or lack of it—of the national economy continued in Washington, the construction economy seemed to be rocking along in unspectacular but healthy shape.

For one thing, prices of FHA-insured new home mortgages leveled off during December, indicating an easing of a money market that had been tightening steadily for some months.

For another, there was a definite upturn in planning for industrial construction of all kinds during December. Utilities also were greatly expanding their plans for new construction.

Voters also had given the industry a major boost by approving during November local bonds totaling \$1.9 billion, which represents 87 per cent, by value, of the total submitted. After months of rejecting proposals at the polls, voters surprisingly approved a whopping percentage of bonds proposed for administrative and office buildings, okaying \$277.1 million's worth, as against \$25.1 million disapproved.

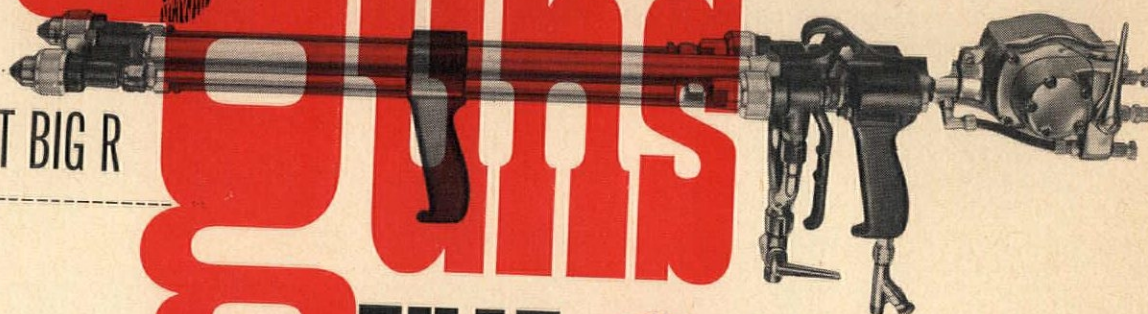
The one uncertainty remained the housing field. In 1962, the industry racked up an estimated total of 1,454,700 new starts—up 11 per cent over 1961. But builders were still being very cautious about the coming year. Not only were they uncertain of the effect of the antidiscrimination order, but also of further restrictions in new income-tax recommendations. These would have the effect of reducing deductions for interest payments on home mortgages and local taxes. If these recommendations are enacted into law, they could have a serious bearing on the attractions of home ownership.

Great Guns

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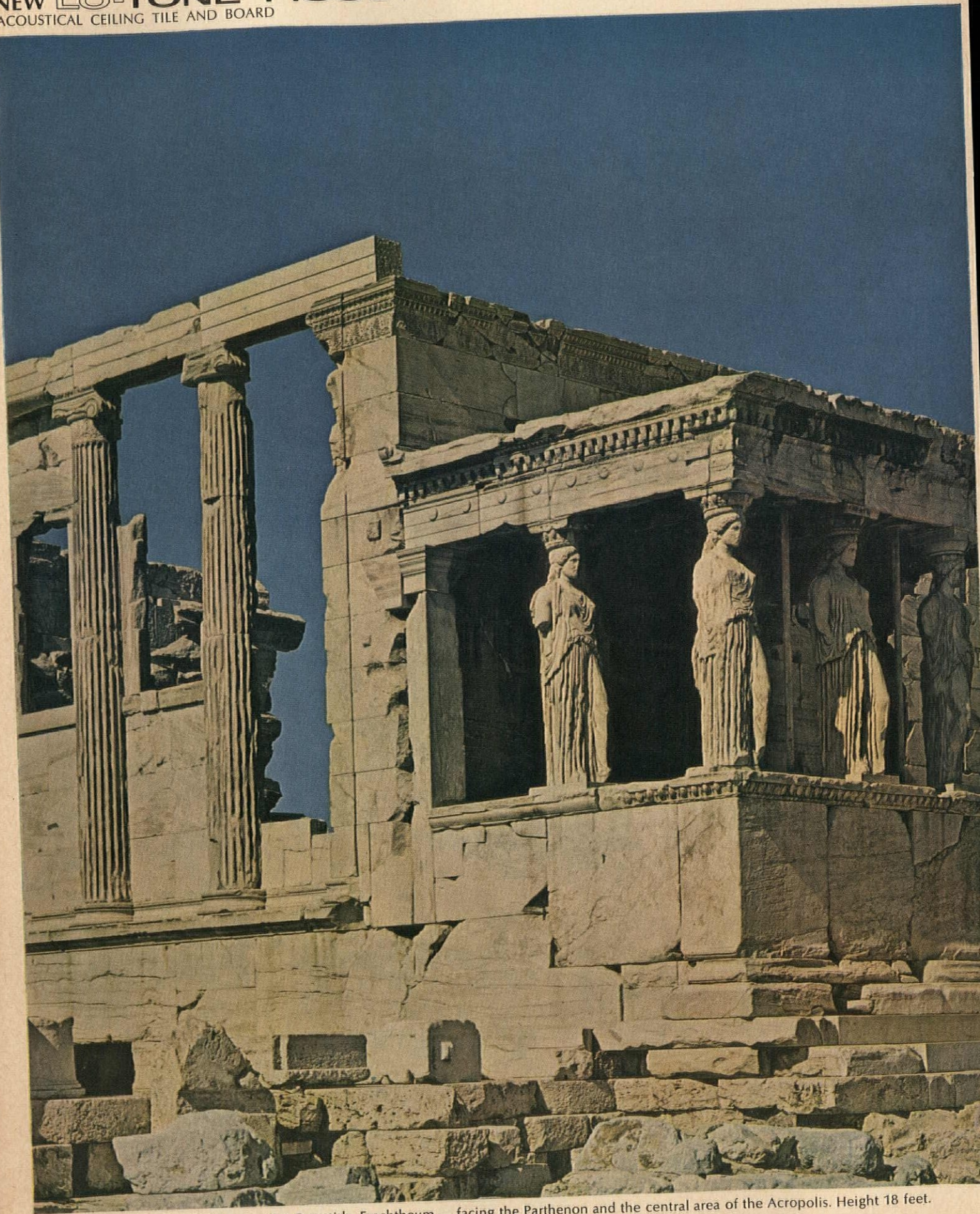
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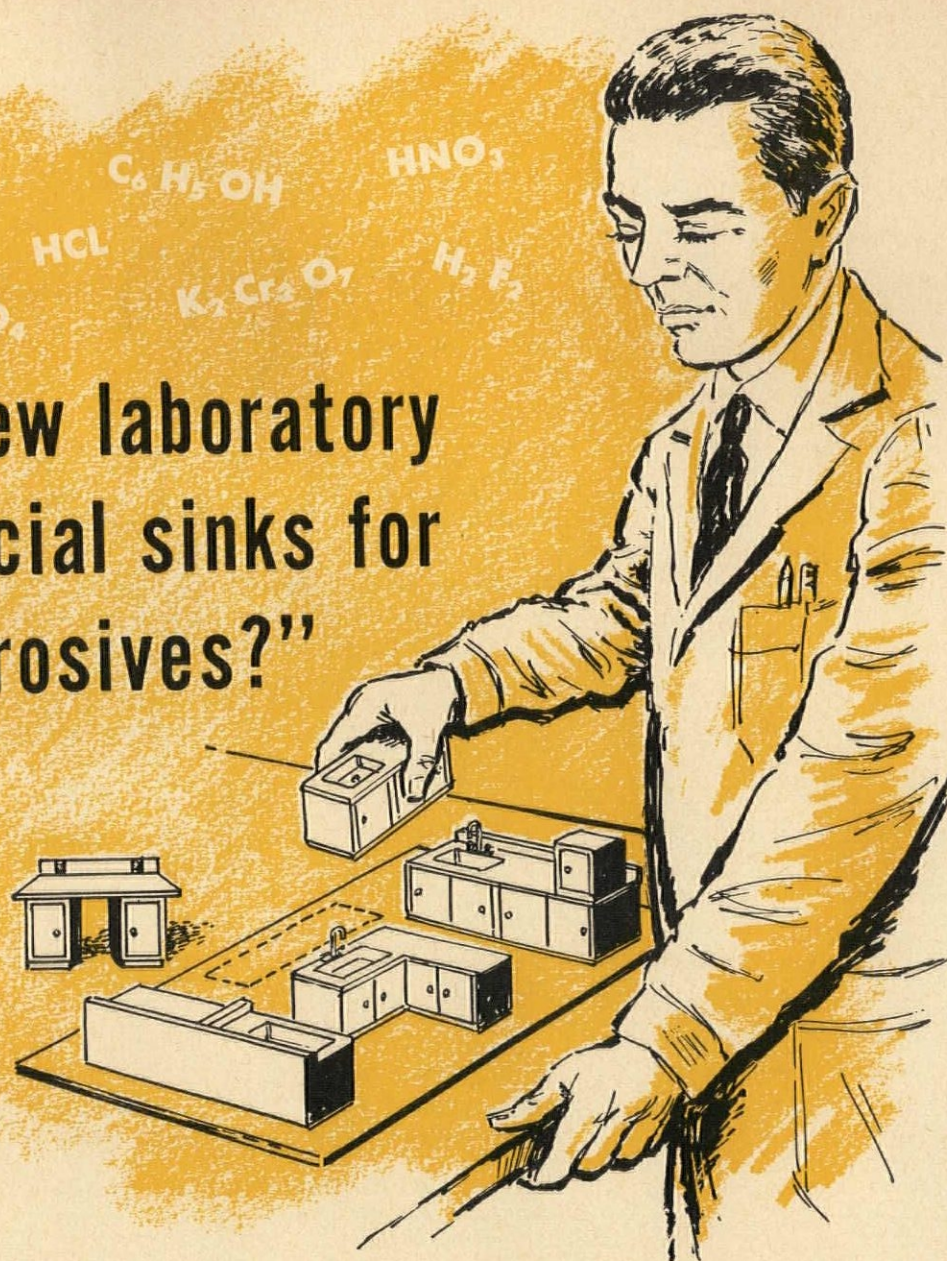
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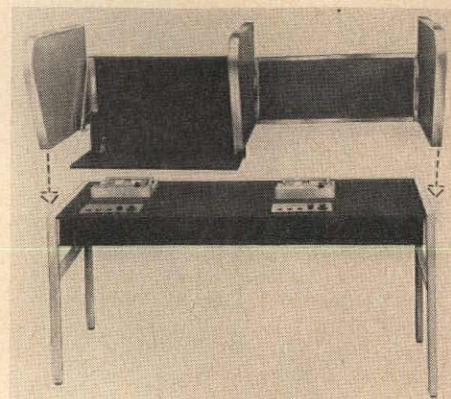
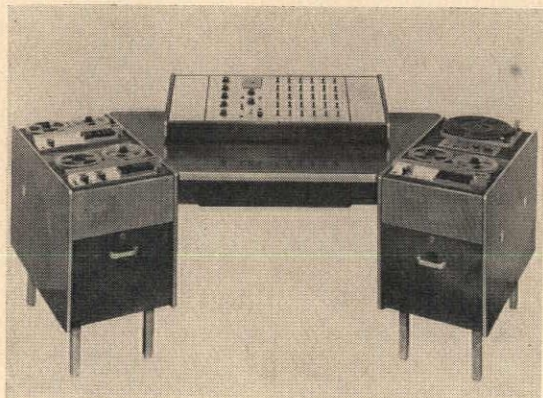
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TWO ELECTRONIC LEARNING SYSTEMS



New line of electronic language laboratories is thoroughly modular to permit a basic initial installation expandable as needs require and finances allow. System expansion is said by the manufacturer to be as easy as plugging a light cord into a wall outlet. A variety of recording systems is available in the line, including two exclusives: reusable magnetic disc and tape maga-

zine. Shown are several of the units in the new line. Because of its modular construction, the teacher's console (above, left) may have one, two, or even more pedestals, depending on the program sources required by the curriculum. The TRW "Mobile Lab" (center) has 10 positions, expandable to 20 or 30. Recording, programming, and individual supervision are in-

corporated into the movable unit. It can be converted easily into part of a larger lab system by becoming an end pedestal of the teacher's console. Student positions (above, right) may be either boothless type or with sound absorbing partitions. Thompson Ramo Wooldridge, Inc., 6325 Huntley Rd., Columbus 24, Ohio.

On Free Data Card, Circle 100



An electronic learning system said to bring this type of instructional technique within every school budget and provide for a variety of classroom requirements is manufactured by American Seating. One feature is the "Consolette" (left), a unit designed for use in standard classrooms. Student headsets can be installed at desks or tablet-arm chairs, and as many as 60

positions connected to the console through standard floor jacks. Five lesson sources are available, and students may be instructed or monitored individually. The portable "Suzette" (right) is an itinerant teaching aid with five lesson sources (three-track taped deck, four-speed phonograph, and teacher's voice) and nine headsets. Students listen to either tape or record

and respond individually to teacher. Line also features "Chancellor" electronic learning center with 11 lesson sources and provision for student-to-student conversation. "Deluxe" model has 19 lesson sources, student-to-student conversation, and provision for 14 lessons. American Seating, 901 Broadway NW, Grand Rapids 4, Mich.

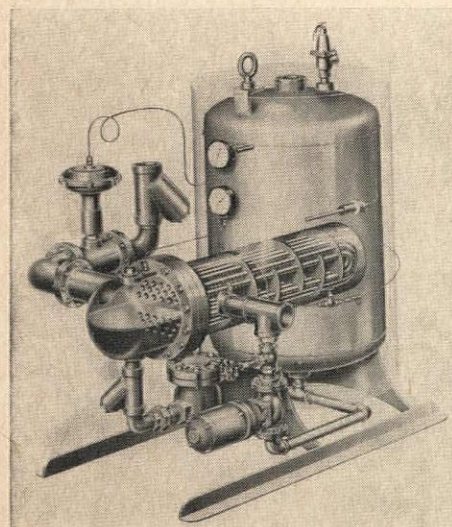
On Free Data Card, Circle 101



Cantilevered Legs

Desks and cabinets initiate the AIV line of office furniture from Peerless. The design is one of the first fruits of U.S. Steel's promotional program, which offers designs by Peter Muller-Munk Associates to manufacturers. The AIV line features center post cantilever "V" legs of mirror chrome steel; desk pedestals are suspended from the "Spiracor" top. Variety is offered in back panels (half or full length), finishes (painted steel, wood, plastic laminate, etc.), and drawer fittings and accessories. Peerless Steel Equipment Co., Unruh & Hasbrook Ave., Philadelphia 11, Pa.

On Free Data Card, Circle 102



Compact Water Heater

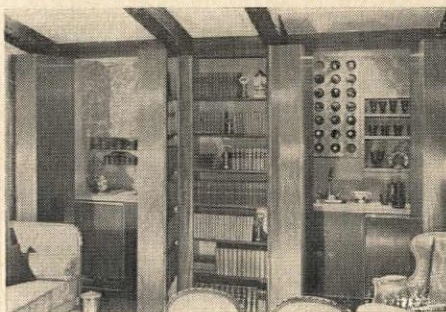
P-K's "Compact 400" is a completely new packaged steam hot-water heater, which combines high recovery capacity and optimum heat transfer in an extremely small space. A unit with recovery capacity of 10,500 gph, for example, measures approximately 56" x 53" x 46". A key feature of the Compact 400 series is the patented "Anticipator," which senses hot-water needs with speed and accuracy. The entire unit is factory-insulated, and whenever possible, complete assembly is done at the factory. Maintenance

is simple, with parts easily removed. The Patterson-Kelley Co., Inc., East Stroudsburg, Pa.

On Free Data Card, Circle 103

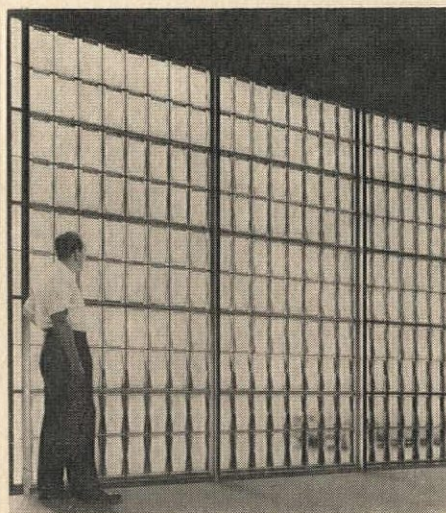
Silk-Screened Formica

New from Formica is a silk-screening process for plastic laminates which gives line-for-line replicas of fabric, artist's sketch, caning, maps, wallpaper, or printed page. Size may be the same as the original or different. Formica's current library of silk-screenings contains 30 designs; unlimited possibilities are available with custom designs. Cost is estimated at



\$.75 to \$2/sq ft, depending on complexity and quantity. Shown here is a guestroom whose bookcase wall swings away to expose kitchen and bar, a design by Renny Saltzman, AID, for Formica's recent group of Second Kitchens. The linen print used on the sofa has been silk-screened onto Formica for cabinets and wine rack along the back wall. Formica Corp., Subsidiary of Cyanamid, Cincinnati 32, Ohio.

On Free Data Card, Circle 104

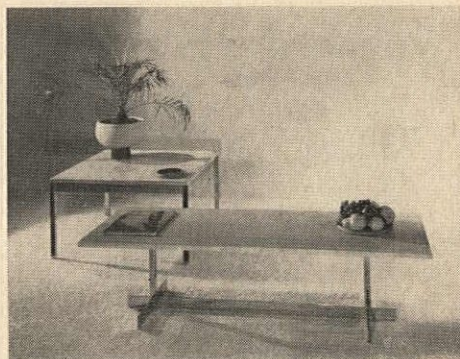


New Shapes for Glass Block

Glass block, called here "shadow tile,"

has received interesting new shapes. The one shown is a modified hexagonal shape recessed within a 12" x 6" rectangle. The other design features a deep longitudinal rib down the center. Also new from the company is the color "Royal Gray," styled for sun-control purposes. Kimble Glass Co., Subsidiary of Owens-Illinois, P.O. Box 1035, Toledo 1, Ohio.

On Free Data Card, Circle 105



New Collection by Cherner

Industrial designer Norman Cherner has designed an extensive new line for this company, formerly known as Robert Barber, Inc. The group, which contains more than 70 pieces, includes desks, conference tables, credenzas, lamp and coffee tables, pull-up chairs, lounge chairs, swivel chairs, sofas, benches, and ottomans. Two main subgroups are: one all in wood (mostly walnut); and the second a chromed steel collection with accents of wood or (as shown) travertine. Robert Benjamin, Inc., 6 E. 53 St., New York, N.Y.

On Free Data Card, Circle 106

Moisture-proof "Cocoon" for Cigar Warehouse

What is probably the world's largest "humidor" has been erected at Port Newark, N.J.—a large marine terminal—as a distribution warehouse for the Consolidated Cigar Corporation. Since a constant high relative humidity had to be maintained within the building and there could be no vapor transmission or condensation through any part of it, a practically maintenance-free container for the storage of smokes had to be designed by Roushey, Smith & Miller and the cigar company staff. The designers selected exterior steel wall panels sandwiched with foamed-in-place "Hetrofoam," a one-shot, rigid system offering heat stability, excellent K-factor, dimensional stability, low water absorption, and low moisture permeability. The material will not distort at temperatures

Prudential takes out "insurance" against vibration . . . with lead

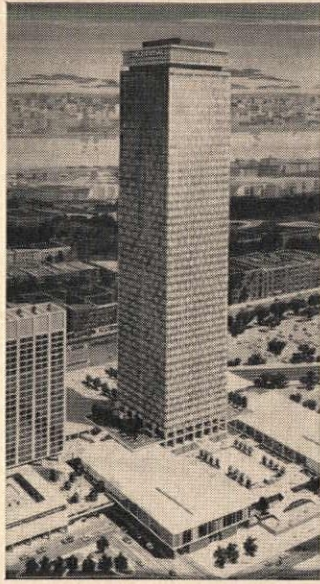
Main-line railroad trains create vibration adjacent to the new 52-story office building now being erected in Boston by The Prudential Insurance Company of America. That vibration, however, never reaches the pleasant plazas surrounding the building. Where the plaza floor slabs rest on their supporting walls, they are bedded on a double layer of one-inch lead pads. These pads (cut section shown below) are a laminate of lead, asbestos, and steel sealed in lead sheathing. They stop vibration in its track.

Other modern buildings which muffle subway, railroad, or highway vibration with lead pads include the Pan Am Building, the Waldorf-Astoria Hotel, and many, many others.

Look into lead whenever you have a problem from heavy machinery, cooling towers, or any other source of severe vibration. For complete technical information relating to your area of interest, write today. Lead Industries Association, Inc., Department N-3, 292 Madison Avenue, New York 17, N. Y.

3823

Charles Luckman, Architect
Hoyle, Doran & Berry, Associate Architect
Metcalf & Eddy, Foundations
Edwards & Hjorth, Structural Engineers
Syska & Hennessey, Mechanical Engineers
Knapp Mills Inc., Pads



LEAD INDUSTRIES ASSOCIATION, INC.
292 Madison Avenue, New York 17, N. Y.

Look Ahead with Lead

For more information, turn to Reader Service card, circle No. 406





exceeding 200 F; its K-factor is rated at 0.11. The panels measure 30' x 3' x 1½", and are thought to be the longest used to date. They were fabricated by the American Bridge Division, U.S. Steel, and formed and painted by Bowman Steel Corporation. Roof of the building is steel deck insulated with foam, and the concrete skirt wall has foam insulation covered with plaster cement. Durez Plastics

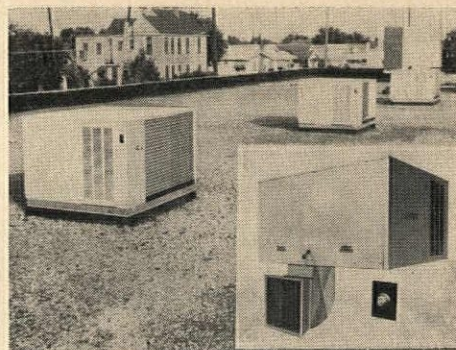
Div., Hooker Chemical Corp., Niagara Falls, N.Y.

On Free Data Card, Circle 107

Reduced Costs in Hydronic Installations

Attempting to reduce costs of hydronic installations to compete with warm air in medium-priced new construction markets, American-Standard has developed several new products: two light-weight, cast-iron boilers, gas or oil-fired, that are lower-priced than any cast-iron product now on the market; ½" heating element to permit use of smaller piping and connecting; new tools to cut material and labor costs that could reduce job costs as much as 15 to 20 per cent. New tools include jig by which length of ½" or ¾" copper tubing can be quickly bent to form smooth, one-piece connection between the baseboard element and tubing below floor joists. In addition, a new system of design method allows more accurate equipment selection. American-Standard, Plumbing & Heating Division, 40 West 40 St., New York 18, N. Y.

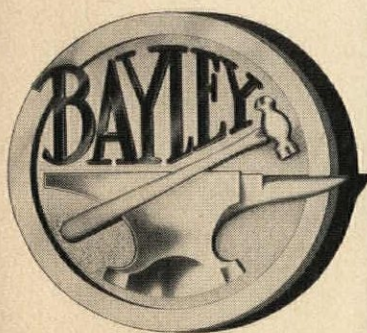
On Free Data Card, Circle 108



Multiple Units Preserve Building's Silhouette

Multiple, five-ton rooftop cooling units to take the place of multi-ton central systems on low-rise buildings have been introduced. The 5' x 4' x 2½' units can be easily shifted to different locations in cases of short-term leases. "Market-Aire" system represents a large saving in ductwork, which is here measured in inches rather than feet. Each unit is individually controlled with its own thermostat, allowing for zoned cooling. Texas Products Manufacturing Co., Inc., 919 Taylor St., Waco, Texas.

On Free Data Card, Circle 109



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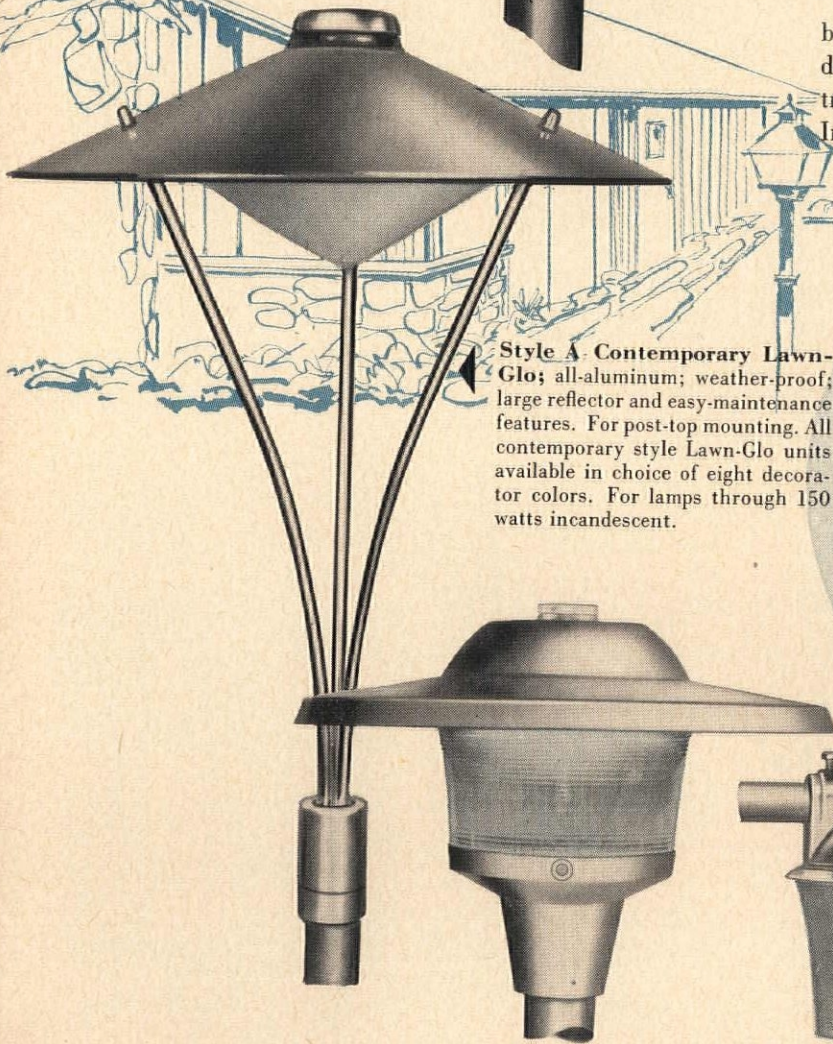


Line Material, long a leader in styled outdoor lighting, offers a complete line of units for residential and commercial applications. These units provide soft, low-level illumination. The optical systems reduce and almost completely eliminate glare. Light is directed out and down where you want it.

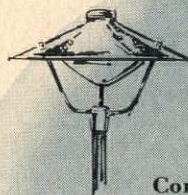
The units are constructed to provide long service, eliminating replacement cost. Weatherproof construction, and easy access for cleaning and relamping, are additional features. All are available with or without photo controls. These units excellent for outright or term sales or leasing programs.

Authorized L-M Distributors, or L-M Field Engineers, will be glad to provide technical data, and lighting application data or engineering service where required. Call your distributor, your nearest L-M office, or write Line Material Industries, Lighting Dept., Milwaukee 1, Wisconsin.

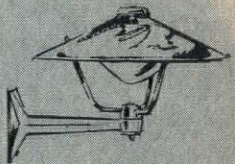
Style A Contemporary Lawn-Glo; all-aluminum; weather-proof; large reflector and easy-maintenance features. For post-top mounting. All contemporary style Lawn-Glo units available in choice of eight decorator colors. For lamps through 150 watts incandescent.



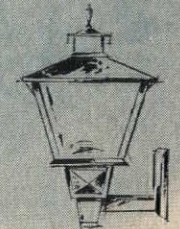
Contemporary Style C, for post-top mounting. Excellent for patios, gardens, motel grounds.



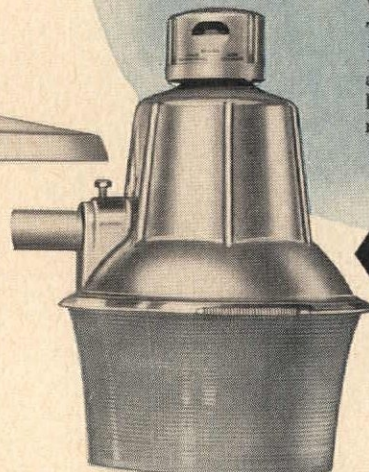
Contemporary Lawn-Glo-Style B—with bracket for wall mounting. For door-ways, porches, walks.



Wall-Mounted Traditional Lawn-Glo; same as the post-top unit but with cast aluminum bracket.



L-M's new Styled Suburbanaire® is a new version of the original dusk-to-dawn lighting unit used in thousands of farmyards, commercial and neighborhood lighting locations. Mercury or incandescent; glass or plastic refractor; choice of 8 colors. Open refractor reduces maintenance, makes it simple, easy, economical.



L-M's new Stylette™ Post Top Light provides glare-free lighting for a wide variety of applications—residential, motels, hotels, schools, stations. Through 405 watts incandescent with glass refractor, 200 watts with plastic refractor. Choice of 8 colors, seven light patterns with glass refractor. 3-inch mounting collar.

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AIR/TEMPERATURE

White-Room Engineering

Environmental control of "white rooms," and their exacting demand for controlled air filtration, temperature, and humidity, is the subject of new 12-page bulletin from American Air Filter. Bulletin discusses the development of the white room and the need for super-clean air, and illustrates a typical layout of a dust-free complex. Air-filter performances required, plus filter recommendations for various room classifications, are shown in chart form. Also described is AAF's packaged approach to the environmental control of dust-free rooms. Dept. PD, American Air Filter Co., Inc., 215 Central Ave., Louisville 8, Ky.

On Free Data Card, Circle 200

CONSTRUCTION



Slate Types and Specs

The many types and uses of Pennsylvania slate are illustrated in an informative 4-page bulletin. Photographs differentiate between ribbon stock and clear stock, and show surface alternatives of natural cleft, honed, and sand-rubbed. Sketches suggest a variety of ways in which slate can "enhance

every architectural feeling"—interior and exterior paneling, baseboards, lintels, roofing, interior and exterior window sills, patios and walks, shower stalls, stair treads, hearths and mantels, counter tops. Bulletin includes table of properties and results of corrosion-resistance tests, as well as specs covering workmanship, sizes, setting, and cleaning. The Structural Slate Co., Pen Argyl, Pa.

On Free Data Card, Circle 201



Thin-Shell Construction

Forming Thin Shells, 28 pages, is the second major bulletin by Dow on the use of "Styrofoam" in thin-shell construction. (Earlier bulletin discussed the expanded polystyrene as a plaster base, as a core material for concrete sandwich panels, and as a form liner for on-site casting of concrete roofs.) New publication describes and illustrates advanced techniques that make possible economical construction in this country of thin-shell buildings. It discusses the use of Styrofoam as a form liner, semistructural form board, and structural form board to create the desired shell surfaces and to act as a support for the application of the structural roof material. In so doing, Styrofoam remains an integral part of the roof as permanent insulation, effective vapor barrier, and base for interior finishes, after the shell material has attained strength and is a self-supporting structure. Bulletin presents case studies, engineering data, references, and specs. Plastics Sales Dept., The Dow Chemical Co., Midland, Mich.

On Free Data Card, Circle 202

Masonry Wall Reinforcing

Comprehensive Data File on Masonry Wall Reinforcement consists of a 36-page technical booklet on "the original masonry wall reinforcement with truss design." The foreword states that the file has attempted to draw together all the major recommendations proposed or adopted by agencies of the Federal Government, private research

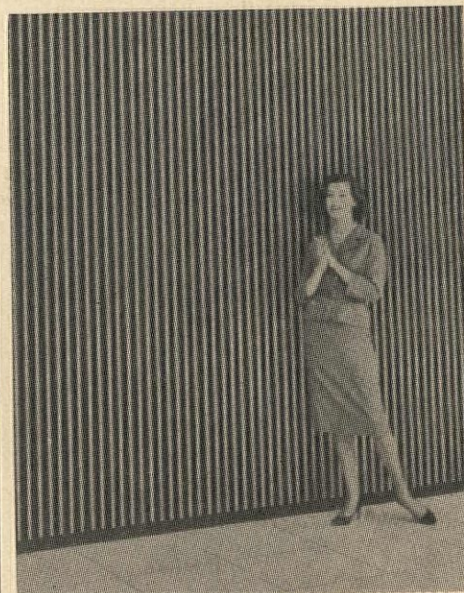
organizations, and, of course, the Dur-O-wal Company, in as complete and objective a manner as possible. Various sections then set forth data and details on use in combination with control joints, in composite masonry walls, (Dur-O-wal in lieu of headers), in stacked-bond masonry, in cavity walls, and with glass block. Other sections discuss Dur-O-wal truss design and butt-welded construction, the merits of galvanizing, and mortar-mix specifications for unit masonry. Dur-O-wal National, Inc., P. O. Box 150, Cedar Rapids, Iowa.

On Free Data Card, Circle 203

Structural Framing

New 28-page manual of architectural details for "Penmetal" structural framing has been issued by Penn Metal Company. Illustrations show connection details for the various sections when used both as an integrated framing system and in conjunction with heavy steel beams, wood framing, and masonry. Included are floor, ceiling, and roof systems; load-bearing walls; curtain walls; and high-bay walls. Also shown are methods for the attachment of various collateral materials, bracing details for wind and seismic loads, and fabricating and welding data. Penn Metal Co., Inc., Parkersburg, W. Va.

On Free Data Card, Circle 204



High-Strength Stainless

The high-strength and cost-saving advantages of the 200-Series stainless steels are presented in a new 28-page booklet from Union Carbide. Discussed in detail are the compositions,

Continued on page 88

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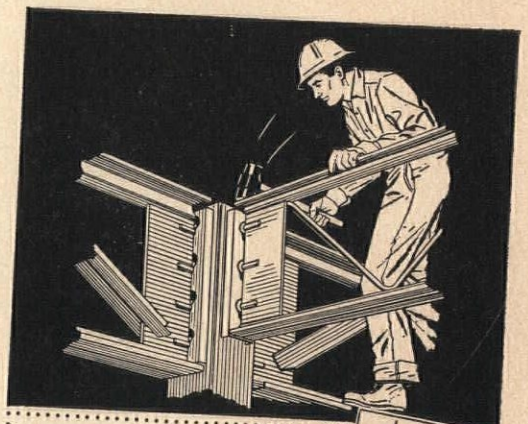
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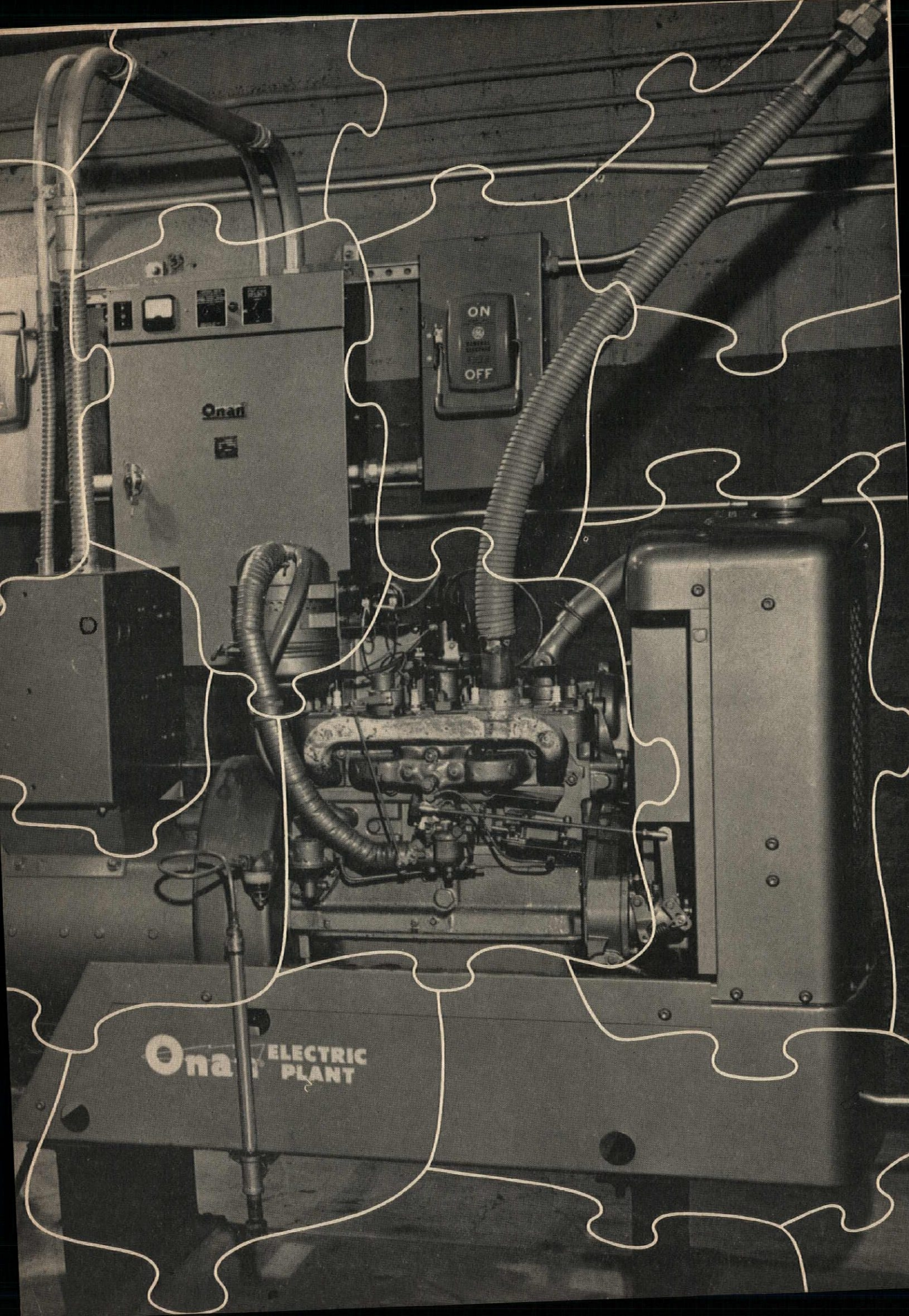
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Continued from page 84

design and engineering properties, and fabricability of Types 201, 202, 204, and 204L. Special attention is given to the 40% higher yield strength of these grades over corresponding 300-Series stainless steels in the annealed condition. Booklet gives comprehensive technical data, and also describes the available mill forms, the history of the 200-Series Cr-Ni-Mn steels, and the functions of the major alloying elements. Some 30 photographs suggest a variety of applications. Sales Promotion Dept., Union Carbide Metals Co., Div. of Union Carbide Corp., 270 Park Ave., New York 17, N.Y.

On Free Data Card, Circle 205

Sheet-Copper Design

An excellent 140-page publication, *Design Principles and Techniques of Sheet-Copper Construction*, is the sixth edition of Revere's *Copper and Common Sense*, which began reporting, in 1945, the results of extensive research into the causes of failure in modern sheet-metal constructions. Revere's research has determined, be-



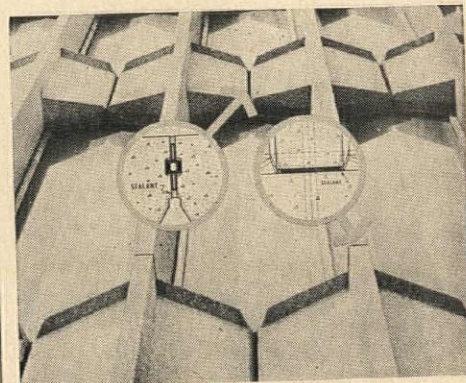
yond question, that such failures are the consequence of improper design. This same research led to the recognition of the importance of columnar strength and of other critical factors involved in the proper design of sheet-metal work and to the compilation of recommended procedures for the guidance of the architect and the sheet-metal worker. In this design manual, there is a discussion of the behavior of copper under stress and a review of

the research that has led to new design principles. Then follow 46 sheets of design details and installation techniques. Final portion of the bulletin is a data section giving properties, thicknesses, weights, expansion factors, and estimating and sizing information. Revere Copper & Brass Inc., 230 Park Ave., New York 17, N.Y.

On Free Data Card, Circle 206

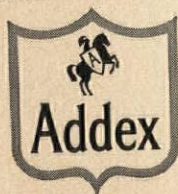
Seals and Gaskets

New 8-page catalog provides technical information on the full line of Wil-



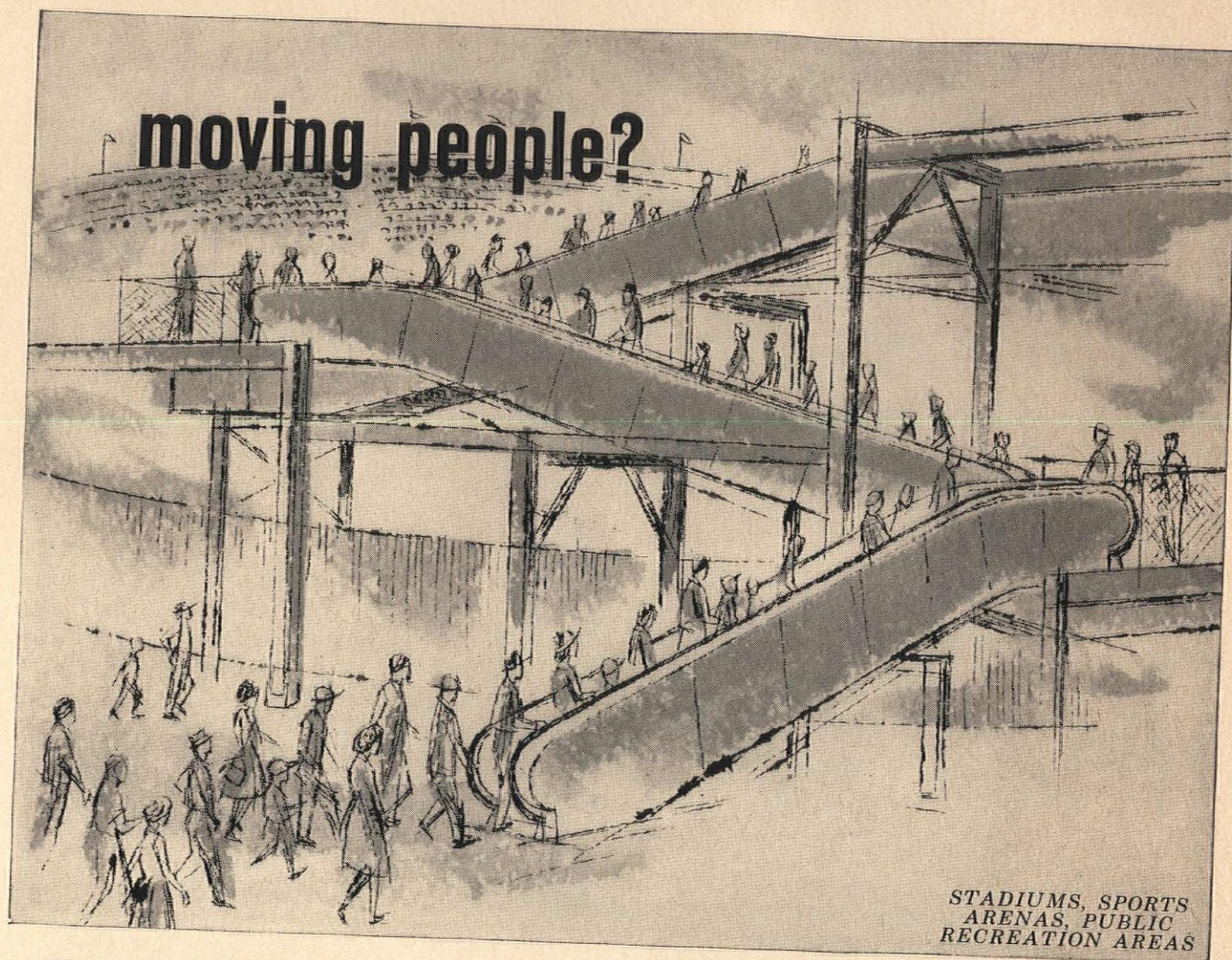
Allen M. Scaife Hall of Engineering,
Carnegie Institute of Technology,
Pittsburgh, Pennsylvania
Architect: Altenhof and Brown

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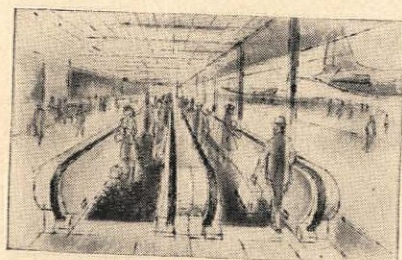
Here is a waterproof and decorative surface specification in keeping with today's advanced roof design. Laplines and taped joints are eliminated. Color-Shield is a brilliantly white emulsion that permits only one-fifth the amount of heat to enter through the roof as a conventional black surface, helps keep interiors cool in hot weather and cuts air conditioning costs. Roof Shield fits even the most difficult contour with ease and has the longest proven performance record of any monolithic waterproofing specification.



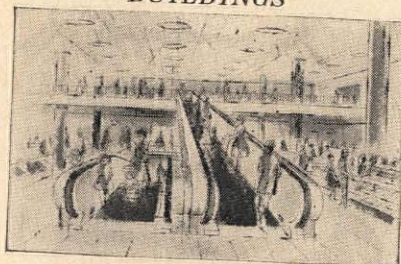
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liams seals, gaskets, and waterstops for masonry and concrete construction. The complete description of each product includes schematic drawings, property tables, and application methods. Among the Williams products are "Everlastic" masonry seals that are made of wholly nonabsorbent elastomers; and panel seals that seal both vertical and horizontal joints (up to 1" in width) between precast or pre-fab wall panels. Williams Seals & Gaskets, 486 W. Eight Mile Rd., Hazel Park, Mich.

On Free Data Card, Circle 207

DOORS/WINDOWS

Film on Glass

The role of the architect is the theme of *Point of View*, a new 20-minute film produced by American-Saint Gobain. It stresses the architect's choice of glass in bringing natural light into a building while reducing heat and glare, and illustrates the part that glass can play in today's designs. In addition, the film shows how plate glass is manufactured, by taking

viewers through the new A-SG plant at Greenland, Tenn.—from the giant melting tanks, through the cutting, grinding, and polishing operations, to final inspection and packing of the glass. Write to: American-Saint Gobain Corp., P.O. Box 929, Kingsport, Tenn.

Latest Data on Fire Doors

Latest engineering data on hollow metal and kalamein doors has been assembled in thick *Engineering Manual* for architects. The manual contains extensive specification information and dimensional data (with many full-scale details) on a broad range of products—steel frames, hollow metal doors, kalamein doors, tin-clad fire doors, industrial steel doors, and sound-insulating doors. In addition to the standard items shown, special assistance is available on unusual design and installation problems. Pioneer Fireproof Door Corp., Pioneer Industries, Inc., 401 Washington Ave., Carlstadt, N.J.

On Free Data Card, Circle 208

Full Specs on Upward-Acting Doors

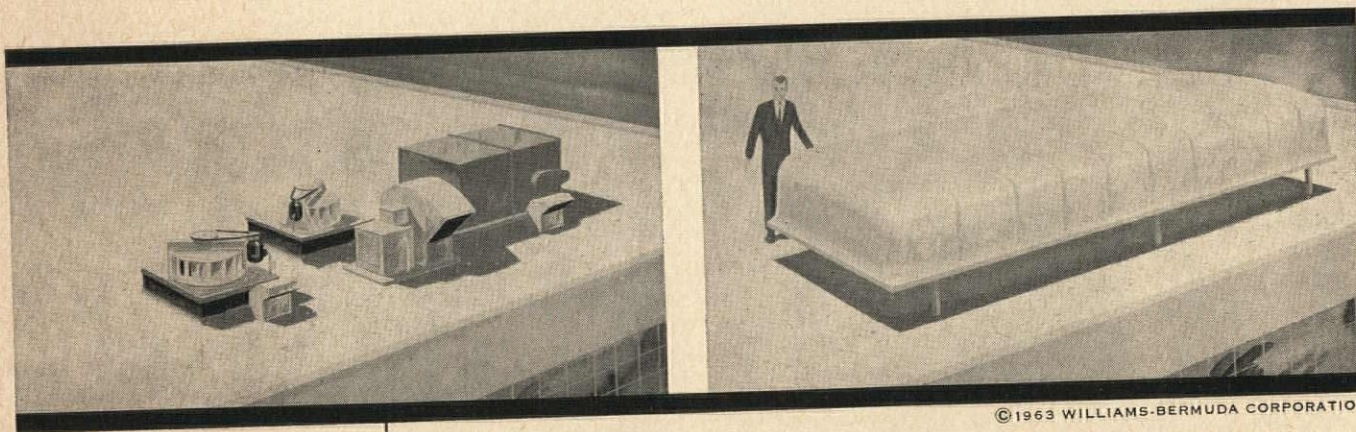
File folder from Crawford contains specifications and latest developments on their "Marvel-Lift" upward-acting doors and door operators for industrial, commercial, and residential use. Several copies of a master specification and a short-form spec are provided; these can be conveniently edited by the architect and incorporated into the specs of a particular job. A postcard to be returned to the manufacturer insures that supplies of the specs will be available. Another helpful insert in the folder is a 6-page tabulation of parking dimensions of 1962 cars. Crawford Door Co., 20263 Hoover Rd., Detroit 5, Mich.

On Free Data Card, Circle 209

Insulating Glass

Brochure, 4 pages, describes "Viking Insulating Glass," available in a broad range of sizes, thicknesses, and air spaces to accommodate a variety of project requirements. With these

Continued on page 94



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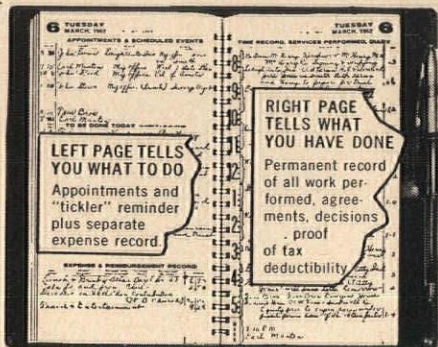
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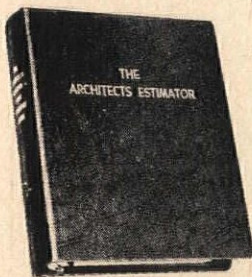
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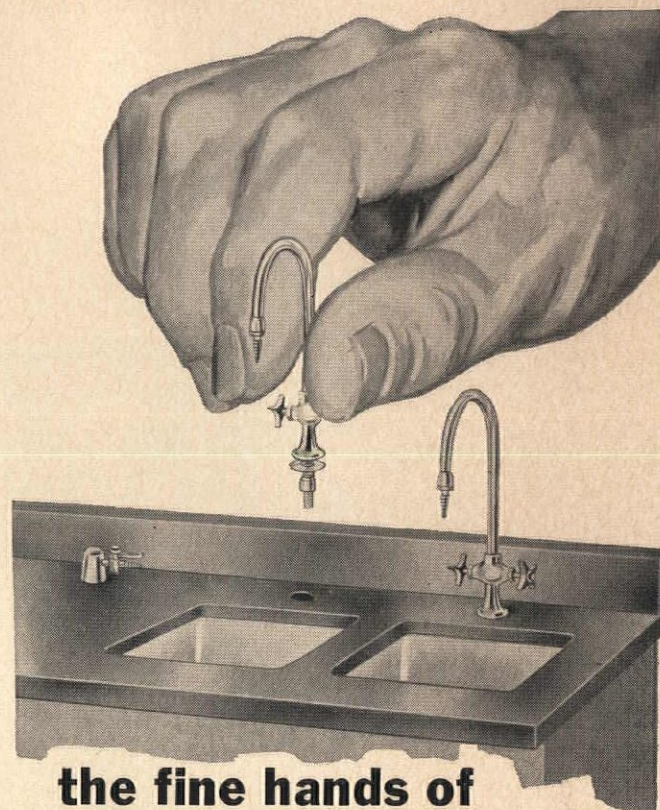
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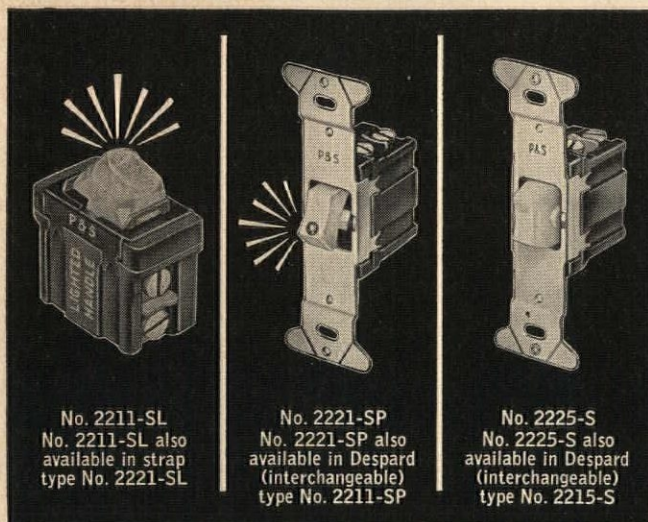
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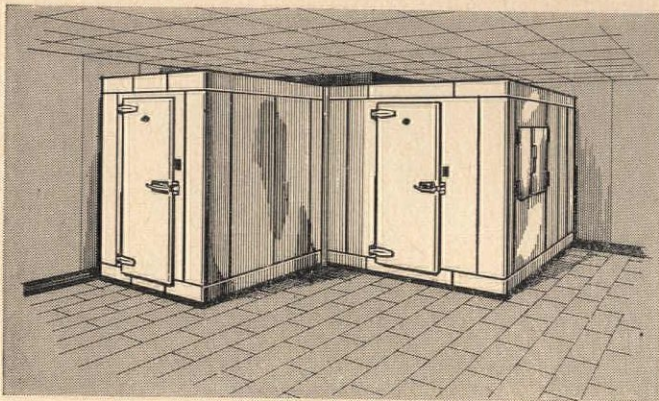
Editor of PROGRESSIVE ARCHITECTURE

LEARN The concepts behind the architecture of monuments and memorials.

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Specifications prepared by Thomas M. Donohue, A.I.A., 3807 Kirkwood Highway, Wilmington 8, Delaware.

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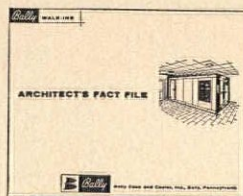
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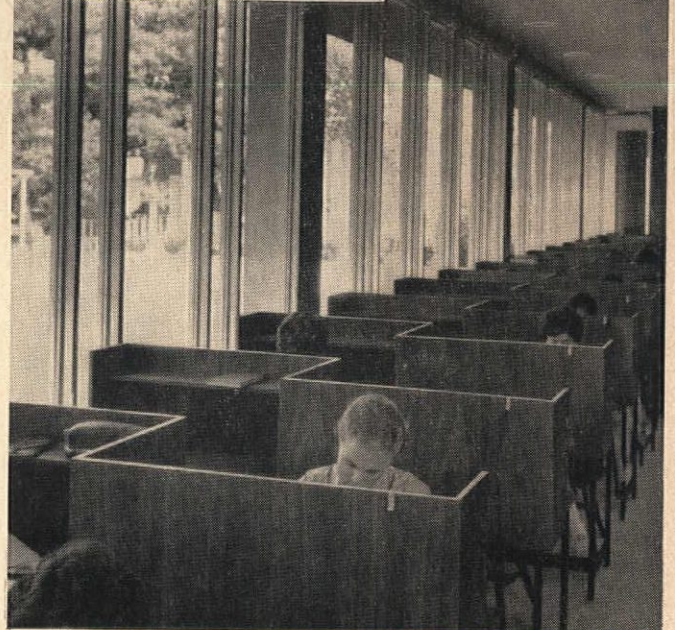
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Bally, Pennsylvania

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Lighting News

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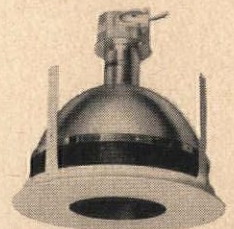


Warner, Burns, Toan and Lunde, Architects
Fred S. Dubin Associates, Cons. Engrs.

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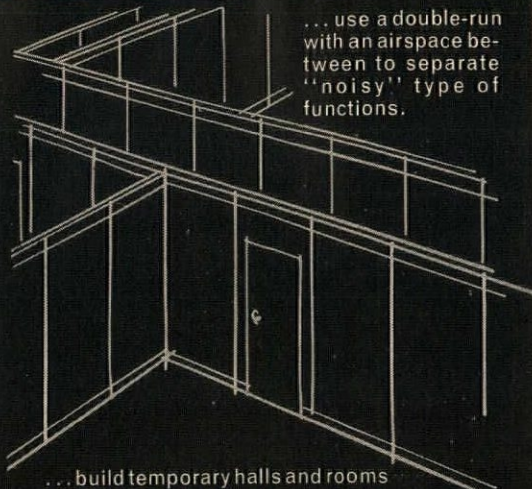
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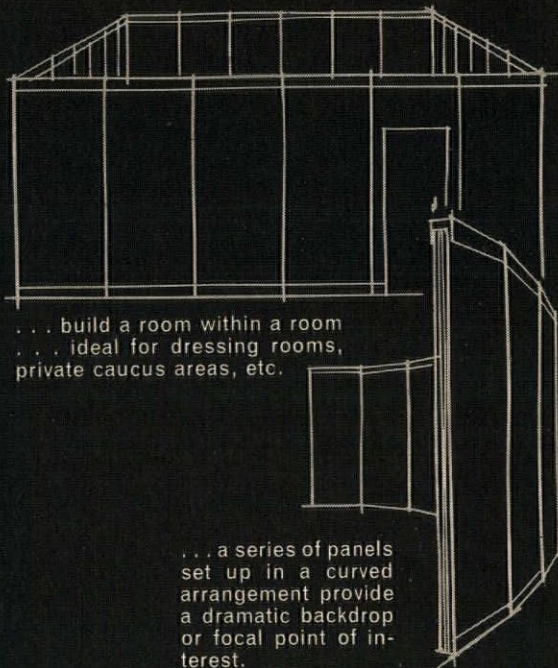


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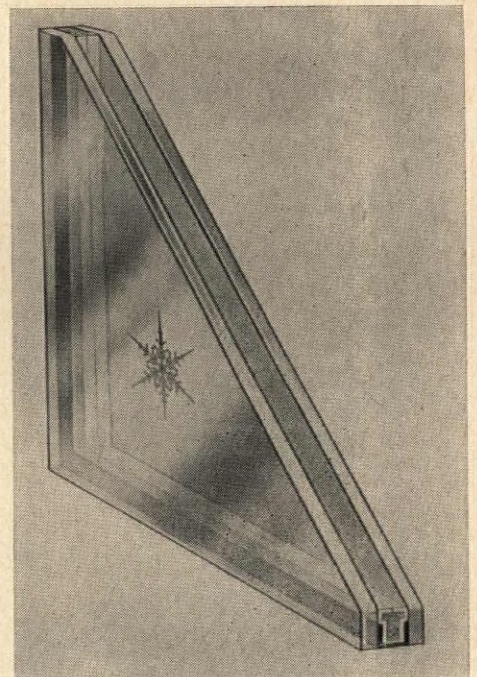
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Continued from page 90



windows, fuel costs and summer cooling load are reduced substantially, downdrafts are minimized, condensation is eliminated, storm windows are not required, and noise transmission is effectively lowered. A special sealant, with superior adhesive and cohesive qualities, eliminates the need for metal banding to hold the unit together; there are no exposed metal parts to become corroded and cause deterioration of the seal. Brochure gives full glazing instructions and explains the five-year warranty. Peterson Window Corp., 700 Livernois Ave., Ferndale 20, Mich.

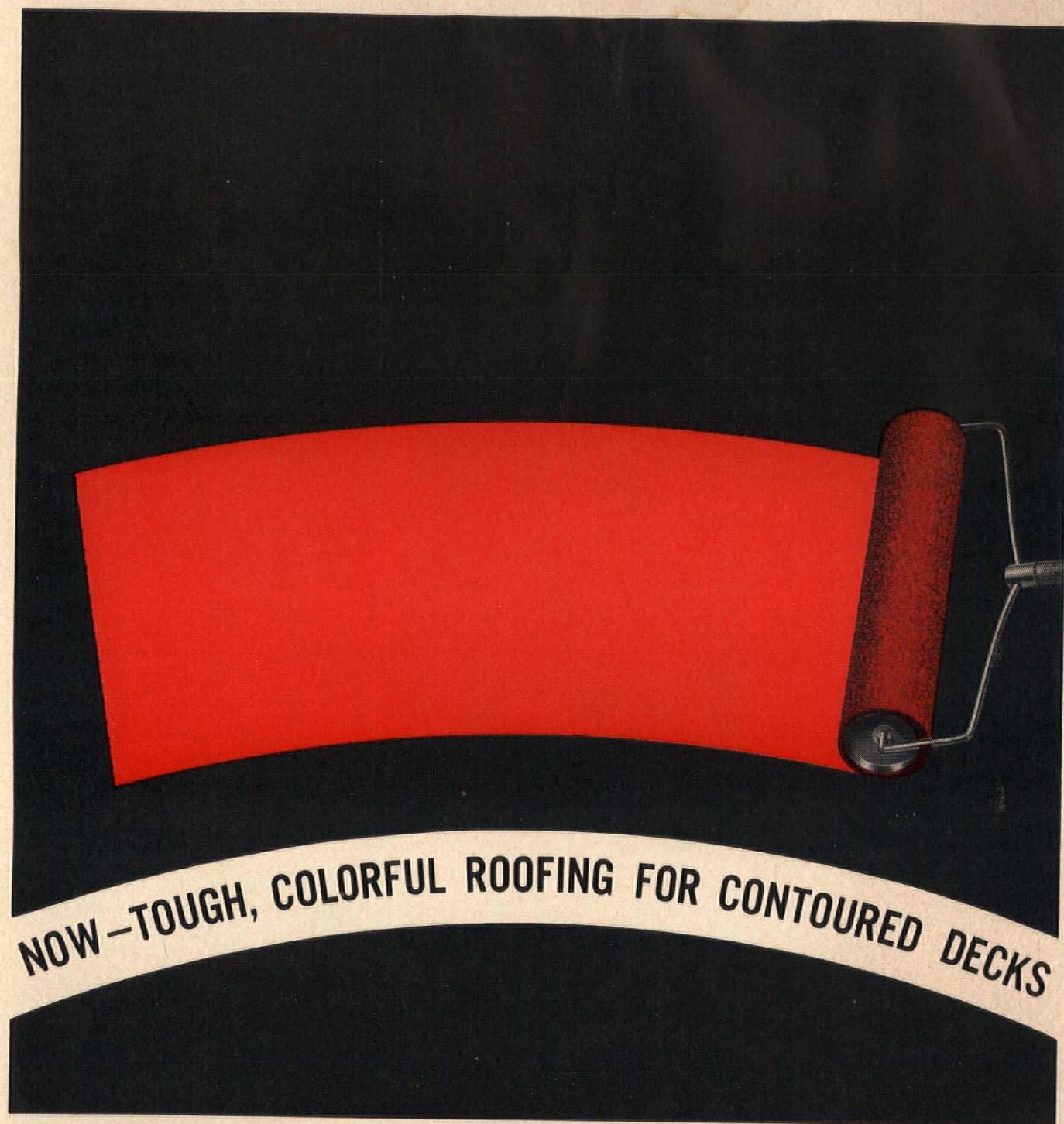
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ELECTRICAL EQUIPMENT

New Fixture Designs

The new "Honeycomb" line of residential lighting fixtures by Moe is presented in 8-page color catalog. The Honeycomb fixtures are produced en-





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tirely by hand; the cellular material is shaped into the desired conical or cylindrical form, then treated with a polyester plastic in the liquid state. Allowed to cool and harden, the plastic produces a finish that is resistant to heat and abrasion. Color is hand-applied—emerald-blue, tangerine-gold, or natural. The line includes a variety of pull-down, pendant, and close-to-ceiling styles, at retail prices ranging from \$20 to \$50. Moe Light Div., Thomas Industries Inc., 207 E. Broadway, Louisville 2, Ky.

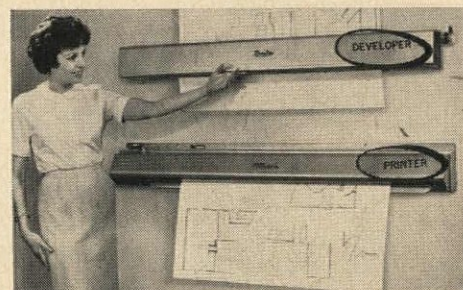
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SPECIAL EQUIPMENT

Lightning Protection

Comprehensive 48-page handbook covering every possible protection against lightning-fire damage is available from Independent Protection Co. Individual sections discuss exterior and built-in (concealed and semi-concealed) lightning systems for all types and shapes of buildings, as well as for trees, smokestacks, and chimneys. Diagrams and charts clarify the information. All rules and regulations set forth in the manual meet or surpass latest code requirements. Independent Protection Co., Inc., 1603-09 S. Main St., Goshen, Ind.

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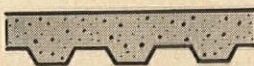
Lowest-Cost Developer

Rotolite describes its completely new 42" diazo print developer in 4-page brochure. The "Thermomatic" features a self-contained heated roller which assures, for the first time on low-cost whiteprinters, good color tone on black-line prints as well as blue-line. The heating unit also allows faster development in a smaller travel area and therefore permits a more compact machine; over-all dimensions are 56" x 7" x 5", for wall or table mounting. Also shown in brochure is the Rotolite "Expeediter" with an outstanding list of features—lowest diazo whiteprinter on the market (\$258.50), lowest cost per copy (1½¢/sq ft), takes paper up

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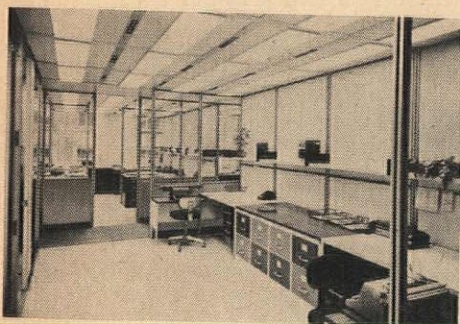
COLORADO, Persolite Products, Inc., Denver 4 • FLORIDA, Airlite Processing Corporation of Florida, Vero Beach • ILLINOIS, Silbrico Corporation, Chicago 38 • INDIANA, Airlite Processing Corporation, Scottsburg • MASSACHUSETTS, Whittemore Products, Inc., Roslindale • MICHIGAN, Gregg Products Company, Grand Rapids • MINNESOTA, Minnesota Perlite Corporation, Minneapolis • MISSOURI, J. J. Brouk & Company, St. Louis • NEW JERSEY & NEW YORK CITY, Certified Industrial Products, Inc., Hillside • NEW YORK, Buffalo Perlite Corporation, Buffalo • PENNSYLVANIA, Pennsylvania Perlite Corporation, Allentown • Pennsylvania Perlite Corporation of York, York • Perlite Manufacturing Company, Carnegie • TEXAS, Perlite of Houston, Inc., Houston • Texas Lightweight Products Company, Irving • VIRGINIA, Virginia Perlite Corporation, Hopewell • CANADA, Western Perlite Company, Ltd., Calgary, Alberta • Perlite Products, Ltd., Winnipeg, Manitoba • Perlite Industries, Reg'd, Ville St. Pierre, Quebec • MEXICO, Materiales Carr, S.A., Mexico 5, D.F.

See our catalog in Sweets

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to 42" width, requires least amount of space. Rotolite Sales Corp., Stirling, N.J.

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New Partitioning Line of Simplified Design

Aetna announces a new partitioning line called "Aetnawall Designer Series"—a movable partition in the fullest sense of the term. The new design features a single-unit, universal, extruded-aluminum post permitting four-way access without supplementary fastening devices. Post covers, interlocking keys, and link plates have all been eliminated, making for faster and more economical erection, dismantling, and re-erection. Typical of the extent to which this partitioning system has been simplified is the black vertical strip, a gasket which doubles as a decorative element when not receiving a panel component. Aetna Steel Products Corp., 730 Fifth Ave., New York 19, N. Y.

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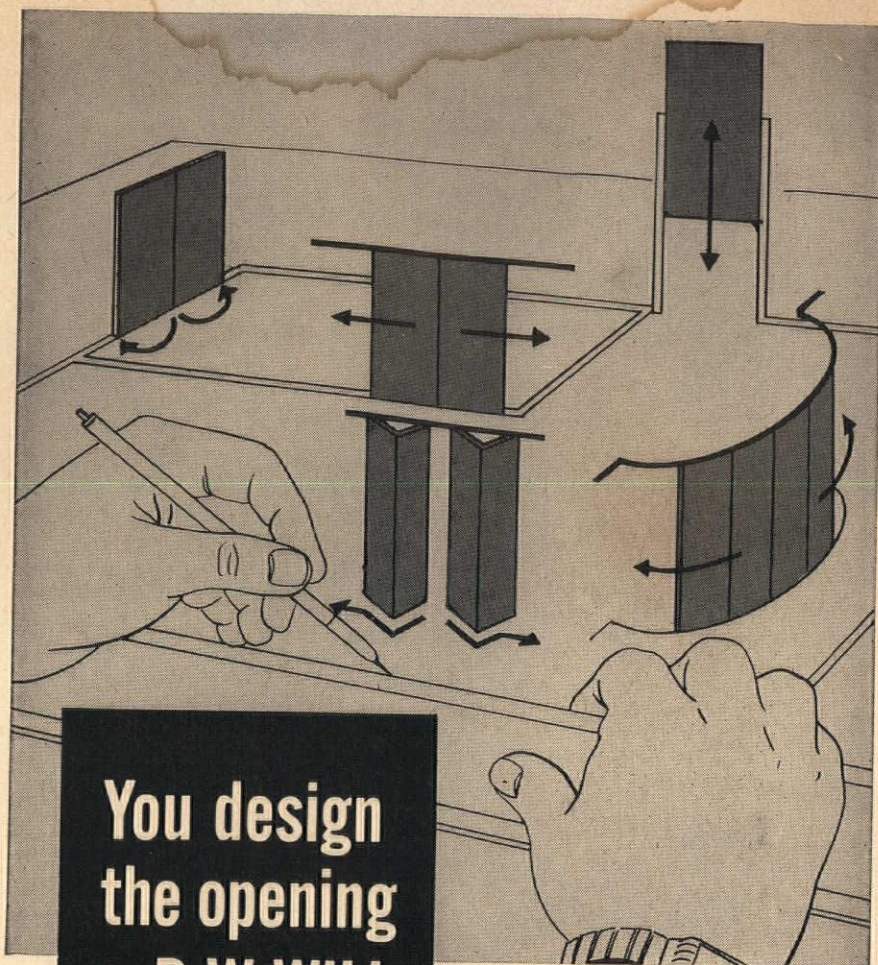
Ink Specs Chart

A 2-page ink specification chart has been issued by Higgins Ink Co., covering Higgins carbon inks for art and drafting purposes. Aimed at those who prepare originals for reproduction, the chart relates the correct ink to the surface and to the instruments being used. Also tabulated are methods of erasure or removal. Higgins Ink Co., 271 Ninth St., Brooklyn 15, N. Y.

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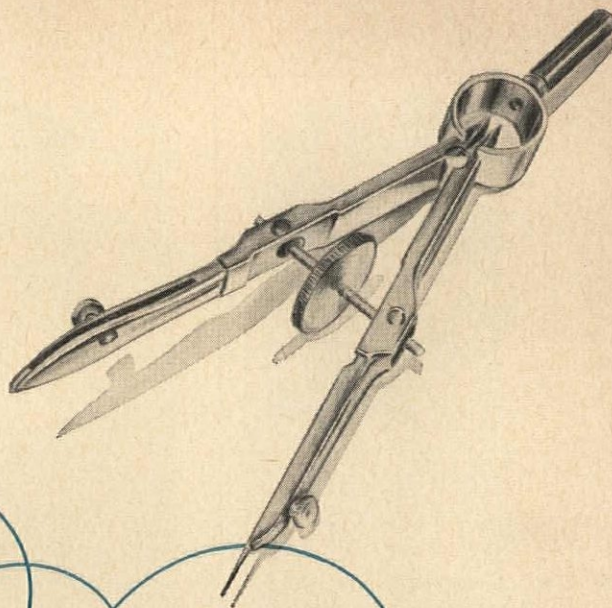
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