

# PROGRESSIVE ARCHITECTURE JUNE 1963

# NEWS REPORT

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



Photo: Baltazar Korab.

JUN 28 1963

*Night view of Yamasaki's gas building emphasizes its hexagonal window feature.*

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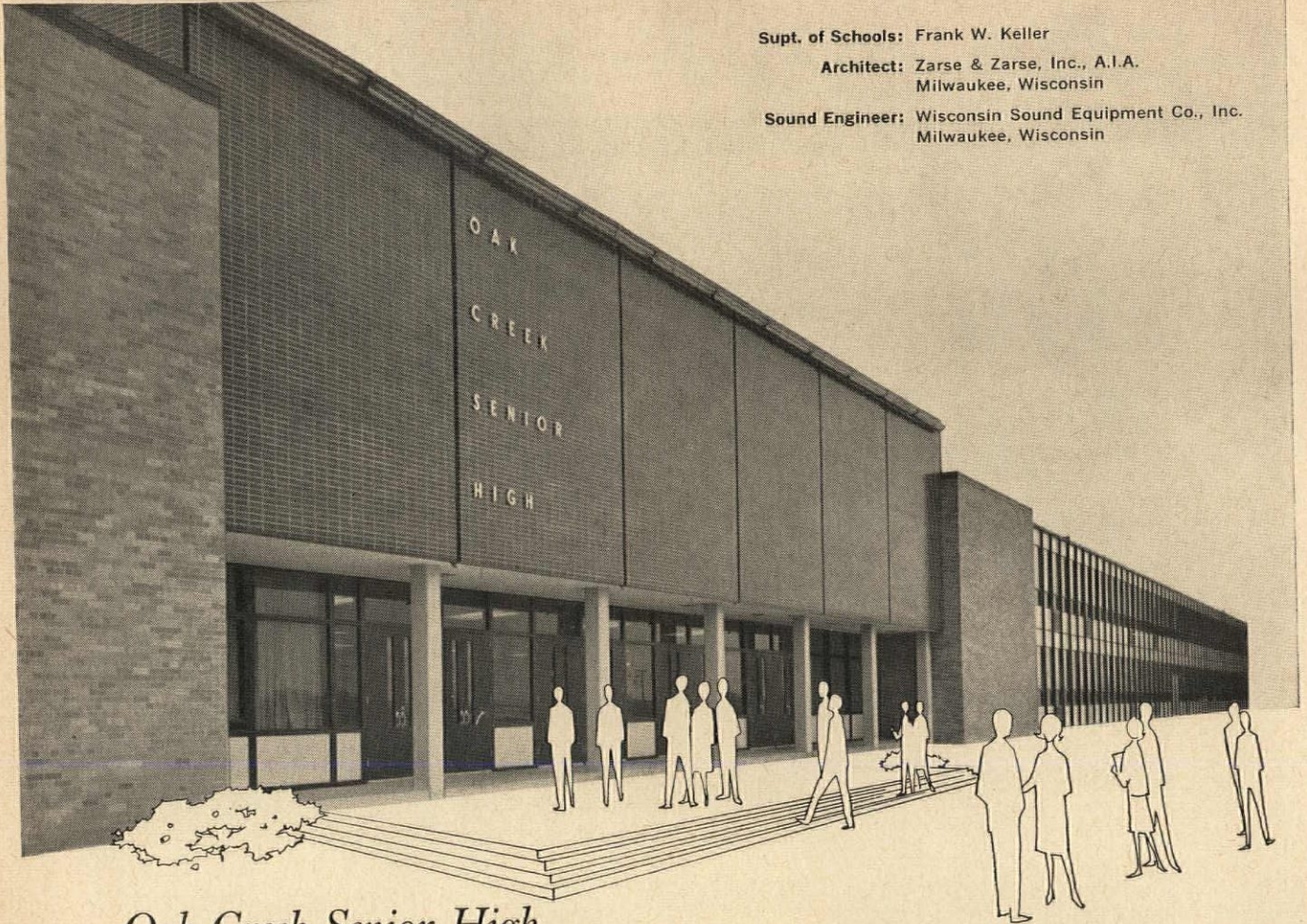
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Supt. of Schools: Frank W. Keller

Architect: Zarse & Zarse, Inc., A.I.A.  
Milwaukee, Wisconsin

Sound Engineer: Wisconsin Sound Equipment Co., Inc.  
Milwaukee, Wisconsin



## Oak Creek Senior High . . .

*language planned by* **WEBSTER ELECTRIC**



French, German and Spanish are taught via taped lessons with this Webster equipped laboratory — one of the most modern in the country.

Five separate, interconnected buildings make up this modern educational facility at Oak Creek, Wisconsin. Constructed at a low \$11.09 per square foot, it is complete with a little theatre, space age planetarium, cafeteria, weather protected bus port.

And, it's *language planned* with a Webster Electric tape teaching laboratory!

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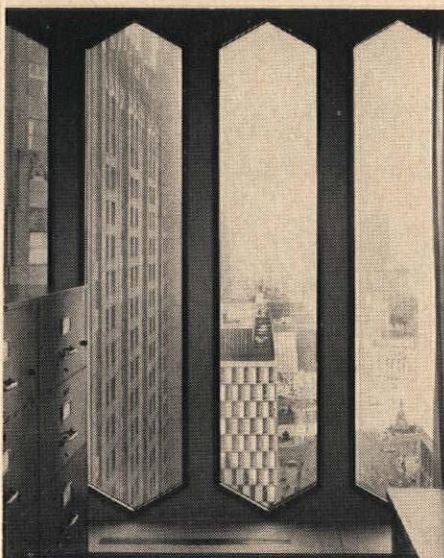
## YAMA'S HIGH-RISE OPENS IN DETROIT

DETROIT, MICHIGAN One of the most closely followed high-rise buildings since the Seagram Building, Yama-saki's Michigan Consolidated Gas Building, has opened here. Designed with Smith, Hinchman & Grylls Associates as Associate Architect, the building forms a delicate ornament amid the somewhat stodgy, unimaginative structures of Detroit's Civic Center. The façade is distinguished by the repetition of hexagonal, floor-to-ceiling windows framed in a curtain-wall system of precast, prestressed, white concrete-white quartz aggregate panels. The units, prefabricated in a double-spandrel, double-mullion increment, are individually bolted to the steel frame, which, incidentally, is said to be the largest all-electrically-welded steel frame in the world. Notable in the technology of the building is the floor system (p. 103, SEPTEMBER 1961 P/A) which integrates electrical and telephone wiring, piping, luminous ceiling, and air circulation for peripheral heating and cooling into one remarkably thin structural floor-ceiling system. (Thinness was aided by the all-welded frame.) Atop Michigan Gas is the luxury restaurant that seems to be obligatory for major office structures these days. "Top of the Flame," as it is called, has interior decoration reputedly creating "an enchanting corner of Thailand."

The building has the advantage, not shared by Pan Am and others, of being able to be perceived as a *whole*, rather than as a fragmented series of parts. The amenities, such as foreground pools, greenery, and sculpture, which should be requisite for such a city as Detroit (indeed, for any city) are provided here for pleasing effect.

After a visit to the building, P/A Editor Jan C. Rowan, while admiring many of its qualities, reported that the "delight" in the all-white marble and stainless-steel lobby seems somewhat overdone: contending for attention are a lacy metal and plastic ceiling, neo-Victorian mullions for the glass walls, heavily veined marble floor with intricate pattern lost among the veining, and a reception desk that looks "like a leftover from the Dharan airport." The space, he notes, leaves one with the feeling of an eccentric operating room.

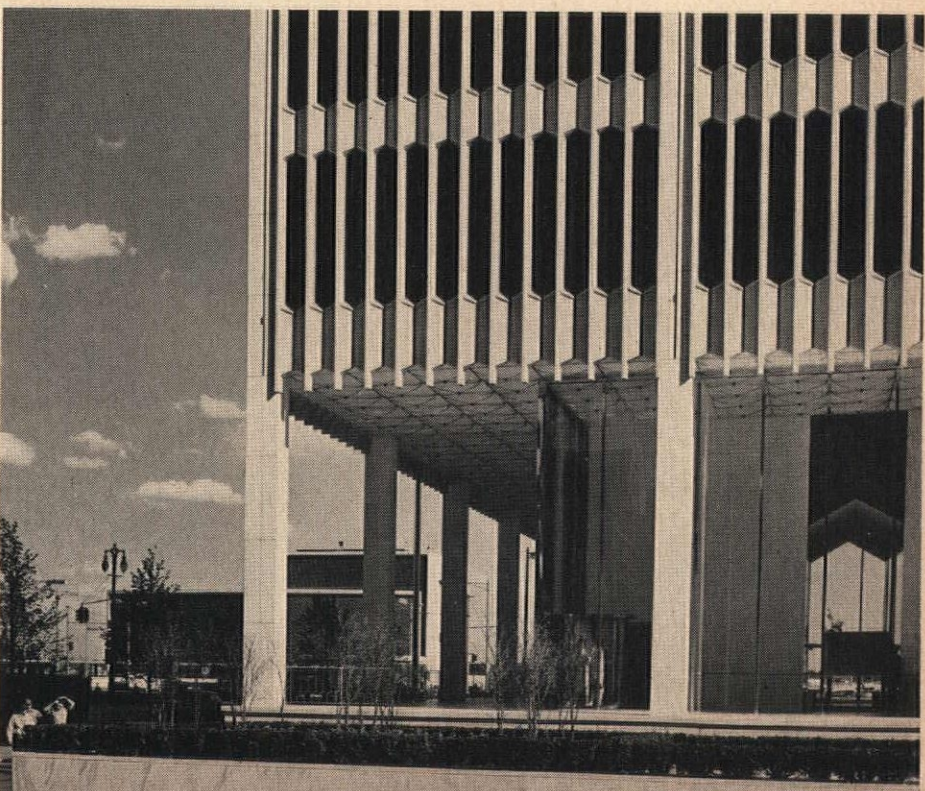
Another point of curiosity: one wonders how the brilliant white panels of the building will stand up in the corrosive industrial atmosphere of Detroit (it had to be cleaned before its opening).



Windows give view with "security."



Lobby has many elements of "delight."

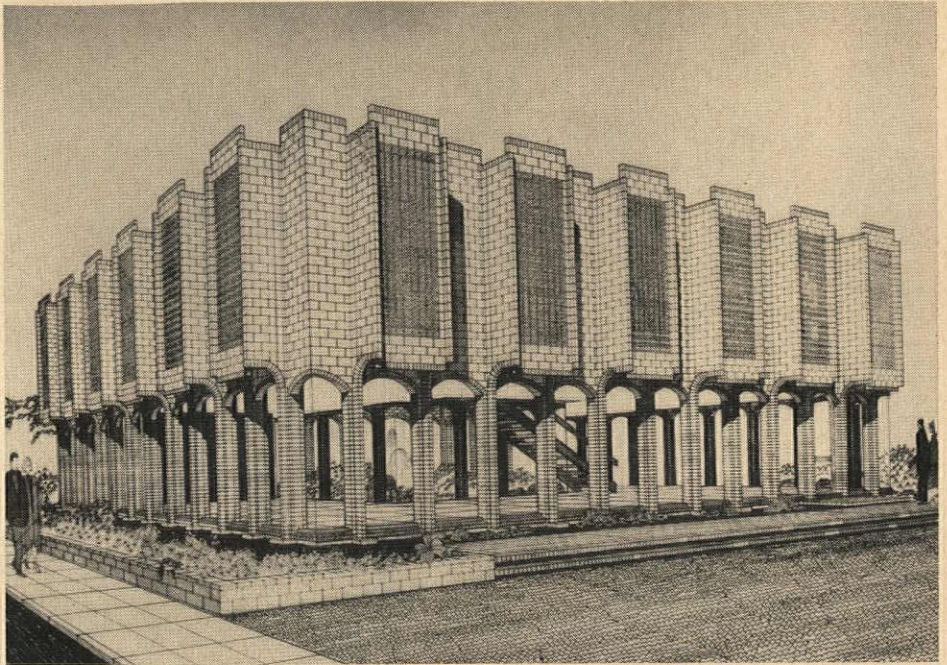




## Brick Structure for Brick Company

SEATTLE, WASHINGTON The original proposal by Bystrom & Greco for the offices and warehouse of the Builders Brick Company here was a design making ingenious use of the client's product. Unfortunately, budgetary limitations have since dictated a less ambitious program.

The initial design provided for a building whose brick-arched and glazed first floor contained display areas, reception space, sales offices, and a lunchroom. The second floor, harboring business offices and a conference room, had an interesting exterior wall treatment consisting of brick arches behind brick sunscreens. A two-story-high courtyard brought light to the interior of the structure, and the warehouse was at the rear of the sales-office building. A system of prestressed brick girders was developed for the warehouse. Interior partitions of the office building were also of brick.



## BELOW-GROUND EDUCATIONAL CONFERENCES

NEW YORK, N.Y. The new building for the School of Education on New York University's Washington Square campus, by Perkins & Will, will have a flexible conference center located on two below-grade levels and surrounded by an open area. The center will be divisible into a number of sizes, both horizontally and vertically. An operable floor will effect the horizontal division, and various space dividers will function vertically. The area will accommodate gatherings up to 300.

On the roof, there will be a lounge for formal and informal gatherings of faculty and alumni, plus landscaped terraces. Administrative offices will be split between the first and top floors, with the Dean's offices on the lower floor. Emphasis will be placed on close co-operation between the faculty and students, with areas being provided for meeting and exhibit rooms where the two groups can congregate. Research and services areas will include school-plant planning, school environment laboratories, new teaching methods, audio-visual aids, community education, and curriculum laboratory. There will be 11 seminar rooms, an Office of Graduate Studies, and a headquarters for students involved in practice teaching. Plans include an Education Hall of Fame, for various areas of the building.

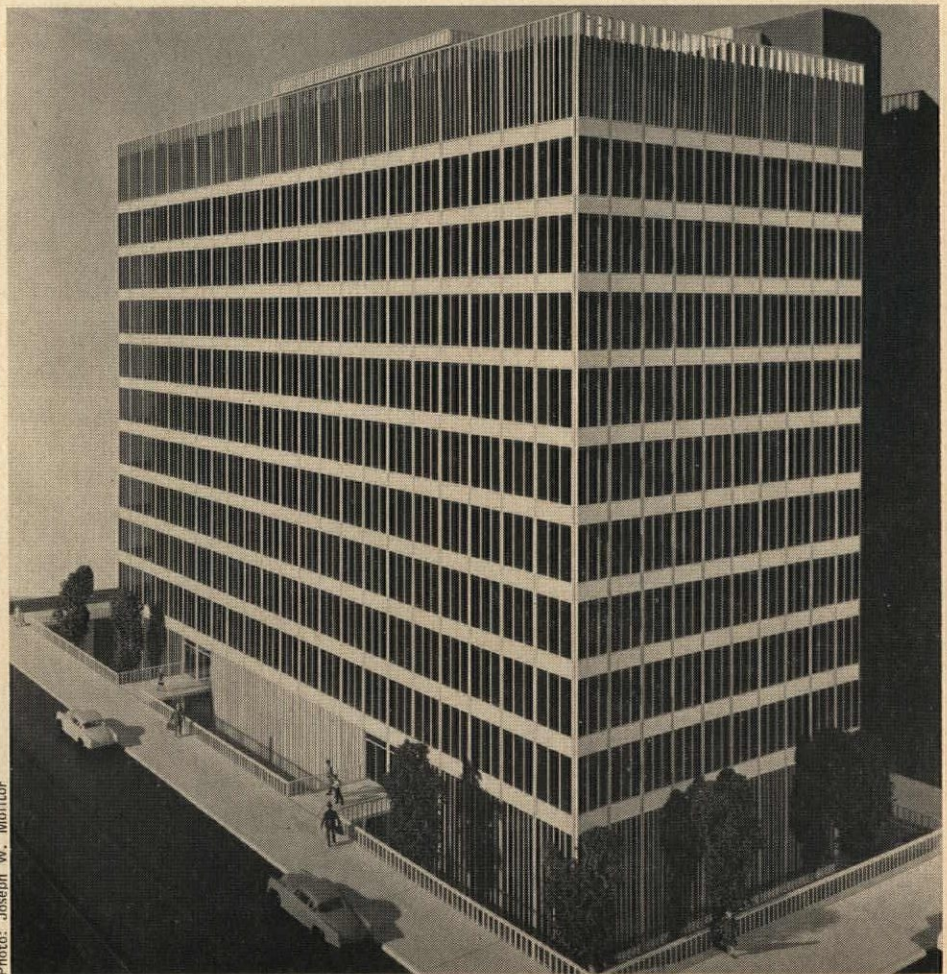


Photo: Joseph W. Molitor





Spence Rudolph Hall Pevsner Yasko McCue Huxtable Johansen Harrison

## 1963 AIA CONVENTION DIARY

*Sunday, May 5.* First portent of things to come architecturally was flying into Miami's immense, landlord-green International Airport, a building that should satisfy Robert Kennedy's propensity for 50-mile hikes. En route to the Americana Hotel, the panorama of Miami Beach architecture unfolded in all its Disneyland glory. To the first-time viewer—such as this writer—the effect was stunning (in the same way an ox is stunned at a Chicago slaughterhouse). After check-in and a quick Martini to calm the nerves, a pilgrimage was made to that Valhalla of resort design, the Fontainebleau (or Fountain-blue). A convention of orthodontists, bedecked in Harry Truman shirts, was having a luau there, and they looked right at home.

*Monday, May 6.* Convention officially opened by President Henry Wright. R. S. Reynolds Memorial Award was presented to Hans Maurer of Munich (p. 68, MAY 1963 P/A), and the Library Buildings and Homes for Better Living awards were distributed. Social highlight was the President's Reception in the Starlight Patio, an event accomplished, as far as is known, without a single over-exuberant conventioneer falling into the swimming pool.

*Tuesday, May 7.* Annual business sessions occupied most of the day. A group of architects—mainly from California—were discouraged when their proposal to allow membership to foreign architects practicing in the United States was tabled. Nominations for 1964 AIA offices were announced, the only two contested offices being Second Vice-President (Wayne S. Hertzka and William J. Bachman) and Treasurer (Raymond S. Kastendieck and Robert F. Hastings). In the evening, local architects entertained visitors at cocktail parties in their homes. Those lucky enough to draw the Morris Lapidus party (including this writer) saw what the designer of the Fontainebleau and the Americana could do in the absence of the restraining hand of the client. During a tour of the apartment, Mrs. Lapidus indicated two Picasso drawings on the bedroom wall. "He's the only other artist Mr. Lapidus will allow in the house," she said.

*Wednesday, May 8.* Professional

program of the convention, "The Quest for Quality in Architecture" (in cart-before-the-horse fashion, last year's topic was "Expanded Services"), opened with Robert Anshen, Paul Rudolph, Sir Basil Spence, and anthropologist Dr. Edward T. Hall examining the question, "What is Quality?" The emphasis of the architect panelists was generally on what quality *isn't*, and why. Rudolph described the "expanded" architect, with "multitudinous expanded services, expanded office force, expanded office space, and expanded waistline," and suggested that a return to original design work with the pencil may pay off. Dr. Hall viewed the problem from the point of view of his discipline, noting that architects and anthropologists "share a common interest and commitment—the creation and use of spaces." His talk was one of the most appreciated at the convention. The inevitable happened during the question-and-answer period, when Miami Beach architecture came in for its first knocks. Describing the Americana, Anshen said, "This hotel is built of thin, cheap, improbable materials. It is incompetent, uncomfortable, and a monument to vulgarity." Most other panelists concurred, though in softer terms. Replying from the floor, Morris Lapidus said that the hotel was designed for people who come here for fun. "Yes, it is a cheap hotel," he said, "... but there is also the quality of human emotion. People want architecture to give them pleasure. They want human comfort, satisfaction, and warmth." Tempers were soothed in the evening by a splendid party given for everyone by the host chapter at Hialeah Park. Many architects agreed that the space on the great lawn of the Park created by royal palms and topped by a tropical night sky made the most delightful "architectural statement" of the week.

*Thursday, May 9.* "What (and Who) Influences Quality?" was the question confronting Niklaus Pevsner, George McCue, and Karel Yasko in the morning session. Pevsner bemoaned the division, or lack of creative communication, between architect and client. McCue, art critic of the *St. Louis Post Dispatch*, pinned the responsibility for good or bad design and planning

squarely on the architect. "If the architect does not educate the public in architecture, through every means at his disposal, then who else is available and qualified to do it?" he asked. Yasko, new Assistant Commissioner of Design and Construction for GSA, also emphasized the architect's basic responsibility, and said that his department will throw the ball to the profession whenever possible. (It is to be hoped that this does not presage a lack of thoughtful leadership on the part of GSA.) In the final panel session, Ada Louise Huxtable, John Johansen, and Wallace K. Harrison examined "The Attainment of Quality." Mrs. Huxtable found very little to indicate an attainment of quality in today's architecture. We have been betrayed by technology and economics, she said—two forces that were supposed to aid us. Shoddy products and processes and careless architects have produced "trick-or-treat architecture." "In this hideous evolution, the art of architecture has died," she said. "It lives only in the hands of its few most talented, dedicated, persuasive, and sometimes belligerent practitioners—for those are the qualities required of the architect of principle today." It was interesting to note that the most popular and interesting papers of the convention were given by the non-architects: Huxtable, McCue, Hall, and Pevsner. Cornell's Burnham Kelly made an urbane and knowledgeable moderator.

Thursday evening's annual dinner marked the end of the 95th convention. Alvar Aalto was presented with the Gold Medal and made a graceful, modest little speech. The new Fellows were invested, each to the accompaniment of a theatrical drum roll that caused Paolo Soleri to remark, "Look, they do it all without nets!" The gavel was turned over by Wright to incoming president J. Roy Carroll, and his cabinet was revealed. The only surprise was the election of Robert F. Hastings as treasurer instead of the official candidate.

It was a good convention; one only hopes, as usual, that some of the high ideals espoused will be followed by some of the espousers.

Oh yes, everyone had a little fun in the sun, too.



## Tallest Yet for City of London

LONDON, ENGLAND London's burgeoning family of high-rise buildings will have another member when plans go through for the 35-story building for The British Petroleum Company, Ltd., by Joseph, Milton, Cashmore & Partners. According to the developers, the site at present is "a sad area of gaping, weed-grown cellars and rubble where only the birds seem at home, surprised, perhaps to find shelter in the city." The proposed petroleum building here will be joined, eventually, by a new building of the Mercantile and General Re-Insurance Company, and an 11-story building "known so far as RU17."

Public park and plaza facilities will occupy more than an acre of the B.P. site. The building will be of reinforced concrete, with projecting columns sheathed in stainless steel. Spandrels will be solar glass painted on the back.

Releases say the building will contain "all the elements necessary for the headquarters of an international oil company, but not extravagantly finished." No mention of what will happen to the birds.

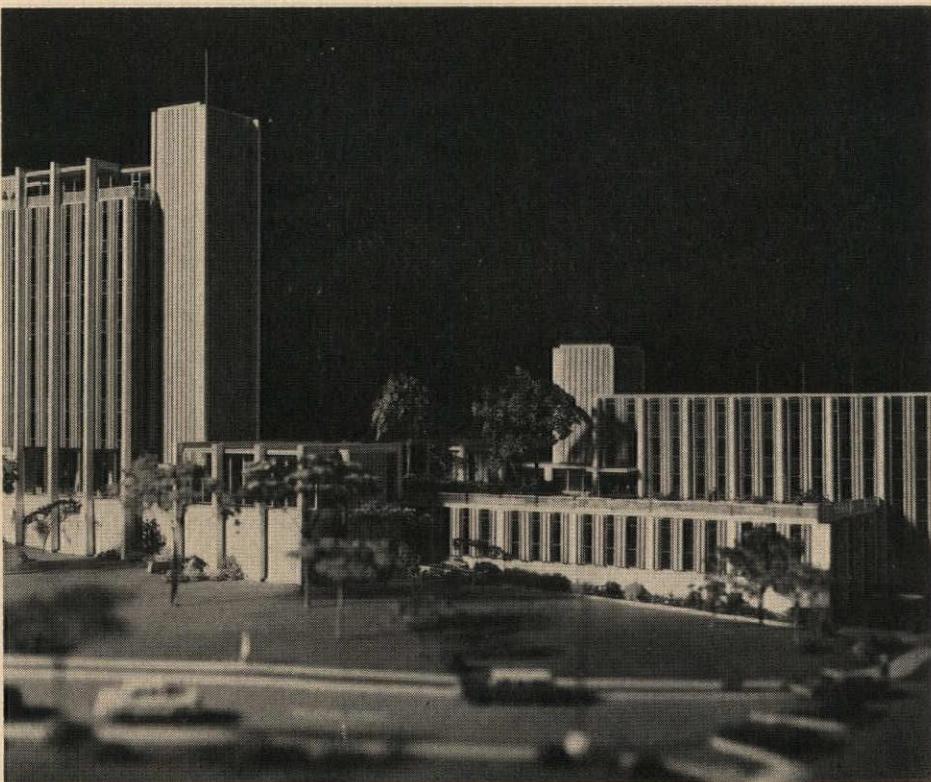


## Municipal Development for Space-Center Town

HUNTSVILLE, ALA. In a region noted in the past for its eclectic-Grecian civic architecture, this city has come forward with a strong design for its municipal buildings. A state not notable recently for progress on all fronts, Alabama does have one of the pioneering NASA installations at the Redstone Arsenal in Huntsville. Perhaps as a result of this forward-looking facility, the city's civic buildings will be among the most interesting for their size in the U.S.

The complex, designed by Huntsville architect W. R. Dickson & Associates, will include an 8-story administrative building, city council hall, public safety building, and city recorder court. The whole design will be tied together by a civic plaza adjacent to the central business district. Big Spring, a local ornament, forms a lagoon under a bluff on which the public plaza will sit.

Emphasis will be given the columnar structural system of the main buildings through exterior expression of the structural elements plus vertically-lined native marbles.





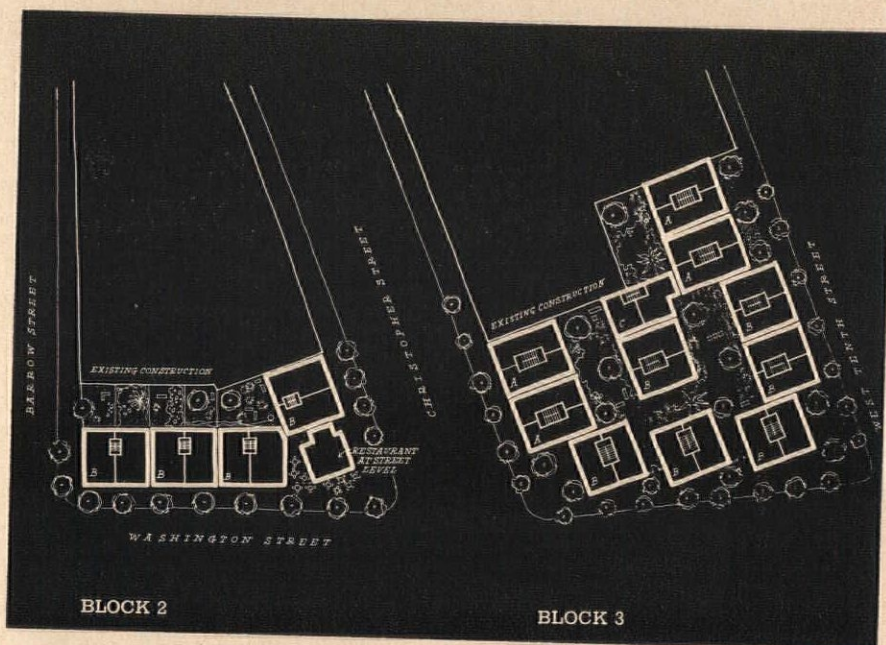
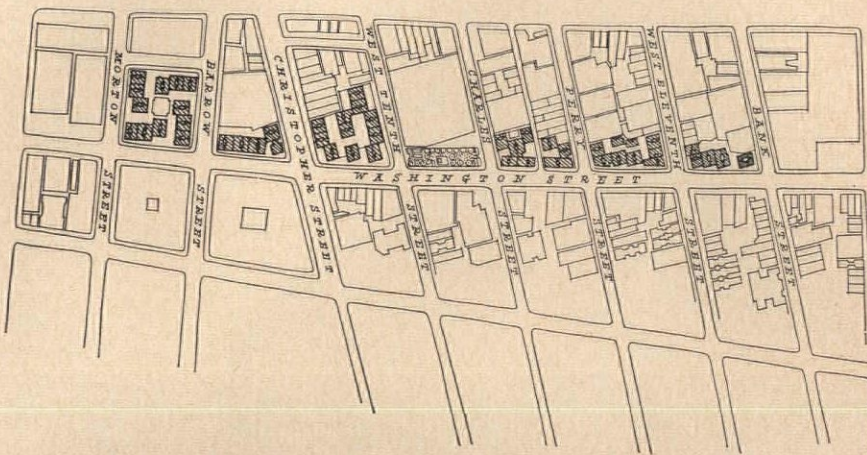
## "Not a Single Sparrow..."

NEW YORK, N.Y. According to the housing proposal of the West Village Committee: "Not a single person—not a single sparrow—shall be displaced." By contrast, the city's redevelopment plan (dropped 15 months ago) would have displaced not only most of the sparrow population but many of the area's non-feathered residents as well. "Excellent structures would have been leveled. Most businesses would have been wiped out. A neighborhood would have been destroyed."

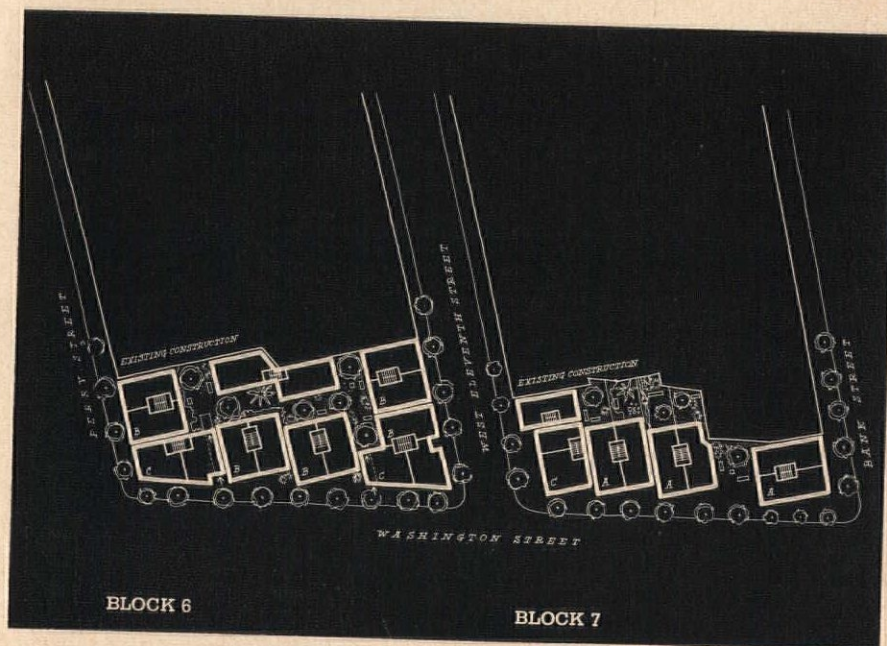
Many will recall the struggle waged early last year by the Committee to Save the West Village, then under the leadership of Jane Jacobs. Their protest was a success, and the 14-block area was taken off the renewal list. The group then proceeded to shorten its name, hired Perkins & Will, and began making good on its promise to Mayor Wagner "to devise, as a public example, a practical means of adding harmonious planned housing into an existing community without any sacrifice of the people already there."

Under the new proposal, no residential demolition or relocation would be necessary: the land is presently vacant, with its former railroad tracks now dismantled. For an estimated \$8.5 million, 475 dwelling units would be added to the community. (The city's plan would have added only 300 units, for \$30 million!) Three factors are cited as responsible for the economy of the West Village plan: (1) virtually all square footage is used for living space, with little spent on circulation; (2) all land is used, either for buildings or for pleasantly scaled gardens and courts; and (3) construction is relatively inexpensive, since there are no high-rise buildings. There are three variations of the 5-story walk-ups, which can be combined on plots of varied size and shape. Mixed land usage is planned, since it is "fundamental to the vitality, interest, safety, and convenience" of the area. The new housing, in short, would be integrated into the scale and texture of its surroundings, "enhancing, instead of disrupting, a highly successful and beloved neighborhood."

Many aspects of the proposal are refreshing—not the least of these is the determination of a neighborhood to have a say in its own future; and the care with which the plan balances the appropriate with the feasible. The plan is being considered by a private sponsor who would provide 10% of the costs to the state's 90%.



Three apartment types, each a 5-story walk-up, are combined in various ways on different blocks. Project was directed by Raymond Matz of Perkins & Will.





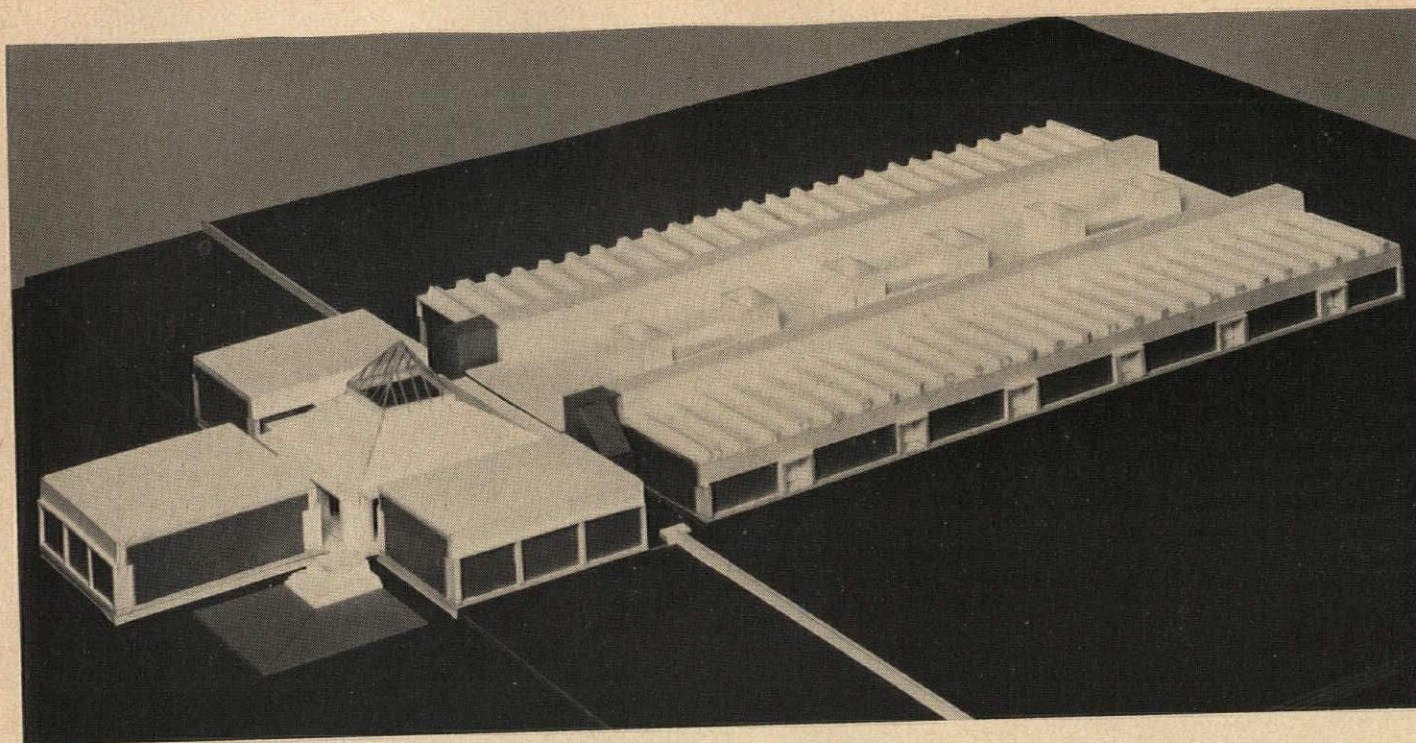


Photo: Earl Saunders

## Unique Utilities System for Science Building

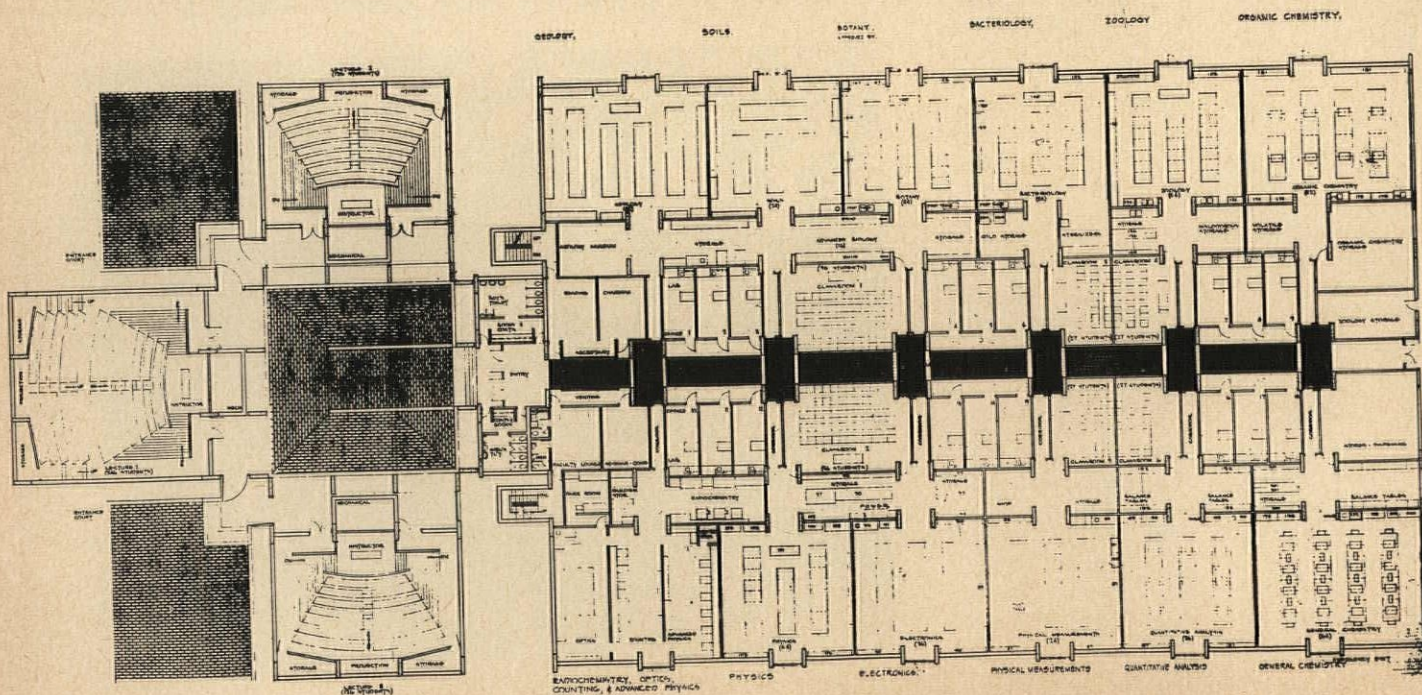
RUSSELLVILLE, ARK. The Arkansas Polytechnic College Science Building, by Wittenburg, Delony & Davidson, Inc., of Little Rock, to be completed soon, is the most recent example of an interesting building designed around its mechanical necessities.

The building will be in two sections: one "public," for lectures to the student body in general; and one purely for science students and faculty. The public element will consist of three large lecture halls grouped around a common, skylighted court. This area will also be available to sci-

ence faculty and students. Access will be over paved plazas for the general student body, and through underground passageways for those from the science section.

The science building itself will house the disciplines of geology, soils, botany, bacteriology, zoology, organic chemistry, physics, electronics, physical measurements, quantitative analysis, general chemistry, radiochemistry, optics, and advanced chemistry. With the exception of the last three, the laboratories will be of a uniform width (*plan below*) with the plan

based on a  $4\frac{1}{2}'$  module. The design is based on the factors most laboratories have in common—size and spacing of work tables, utilities, storage, air and fume exhaust, light requirements—and consequently the decision was for a basic form with utilities supplied from two parallel monitors (*raised elements in model photograph*). From these monitors, which traverse the building's length, utilities will branch out to each table. A system of storage spaces will run beneath the monitors, and fume hoods will be located in recessed walls adjacent to the monitors.



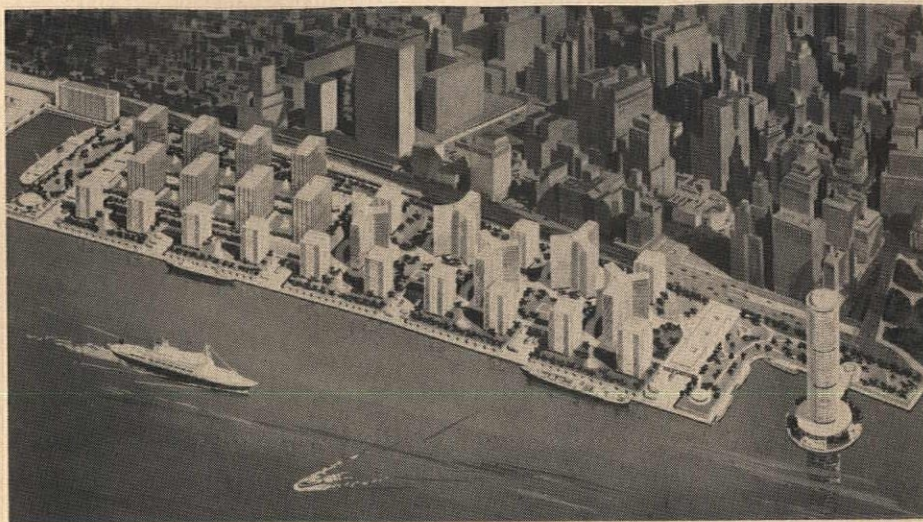


## 40-Year Plan for New York Riverfront

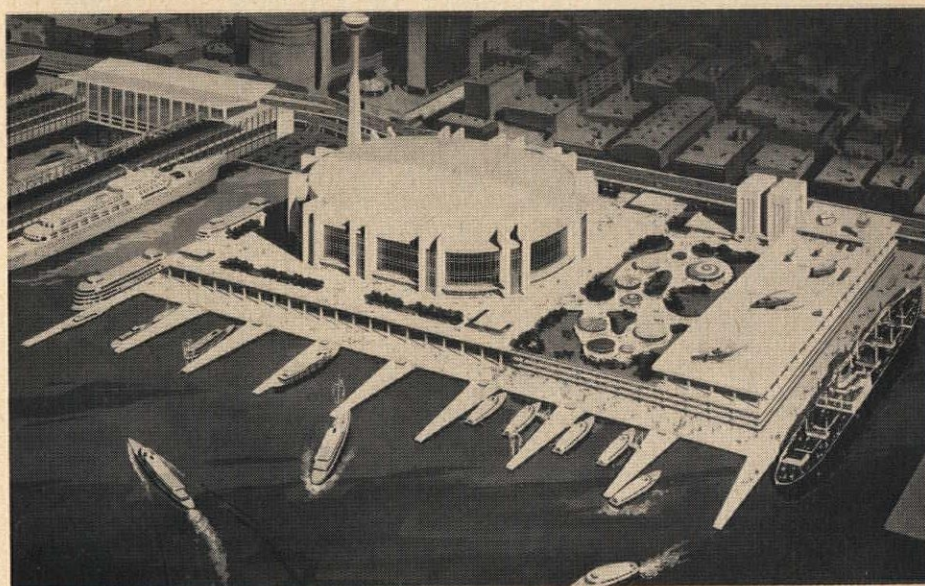
NEW YORK, N.Y. This city, in its continuing piecemeal redevelopment approach, has advanced the most extensive proposal to date—a scheme for development of the West Side waterfront from the Battery to 72nd St.

The plan, prepared by the engineering-management consulting firm of Ebasco Services, Inc., with Eggers & Higgins, Architect, Moran, Proctor, Mueser & Rutledge, Consulting Engineer, and Dr. Herbert B. Dorau, an economics and land use authority, divides the waterfront into nine sections. In announcing the plan, Mayor Robert F. Wagner stated that each project "can be decided upon when it is feasible to do so" and that the entire proposal is "preponderantly explorative" in character. Unfortunately, the plan seems to fall into separate units, both from a design and a planning standpoint, with little interaction between several of the areas. Most sections appear to be hemmed in north and south by differing uses of other areas.

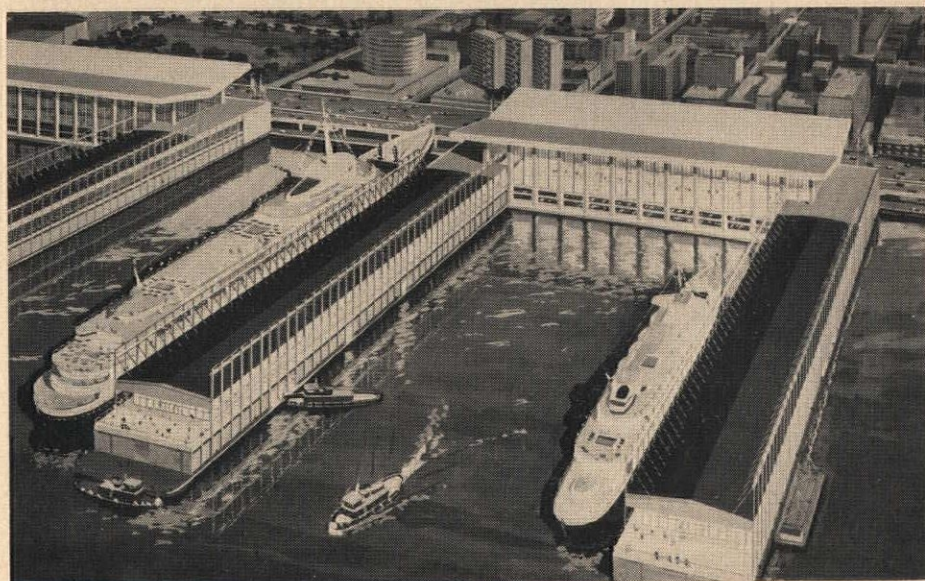
Working up from the Battery, Area I will have multiple land use, including wharf facilities, office buildings, apartments, a cylindrical hotel, motel, shopping areas, restaurants, pleasure boat docks, and public malls and parks. Areas II and III constitute the south and north portions of the "Lower Manhattan Distribution Center," to include new cargo terminals and related facilities. Area IV is designated for municipal services and open wharfage, to service city departments, such as sanitation, and industries operating in Manhattan. The longest element of the plan, Area V, will be the "Midtown Distribution Center," the upper limit of cargo shipping and distribution facilities. A sightseeing and convention center is proposed for Area VI, near the foot of the 42nd St. theater district. A convention-hall arena for 23,000 is suggested, plus a 550' observation tower, heliport, and open public spaces. (What this will do the proposed new Madison Square Garden nearby is open to question.) A half-mile of frontage—Area VII—will be devoted to consolidated passenger terminal provisions, including 12 berths and 3 new terminal buildings. Area VIII will be the midtown service area, containing municipal and private services. The last section, Area IX, will have transportation and recreation facilities, two passenger piers, and visitors' galleries.



*Area I contains apartments, offices, hotel, motel, wharves, and parks.*

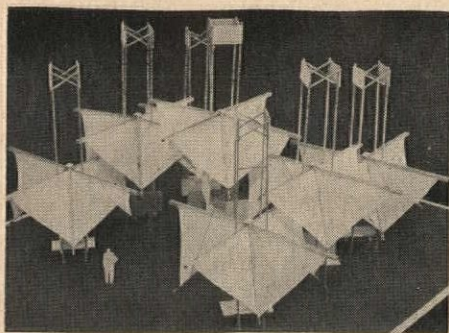


*Area VI is sightseeing and convention center with 23,000-capacity arena.*



*Consolidated passenger-ship terminals would be located in Area VII.*





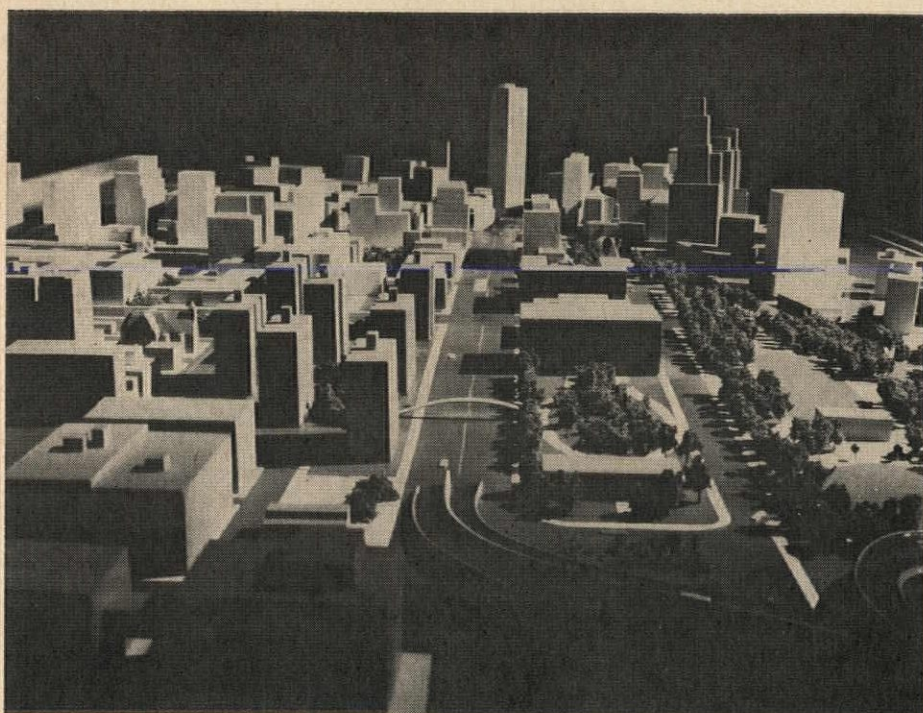
## Artsy-Crafty Pavilion

Display pavilion of seven steel scaffolding towers supporting wood beam and sheet polyethylene roofs was a

project of architectural students at the University of Washington. Designer for the 2400' pavilion was student James J. Sanders. The towers, ranging from 35' to 45', provide backdrops for student paintings, drawings, and small crafts; an open court invites large sculpture.

## New ACTION Group

Organizational meeting of the newly-formed Urban Redevelopment Division of ACTION, Inc., was held May 2 in Chicago. Objective of the group is "to facilitate effective public and private participation in redevelopment



## A Civic Center Grows in Brooklyn

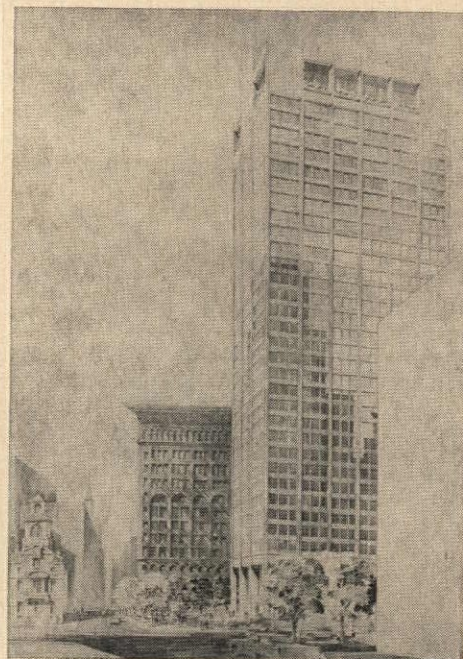
A proposal for the development of a Downtown Brooklyn Civic Center has been submitted to the City Planning Commission by Olindo Grossi, Dean of the School of Architecture at Pratt Institute, who served as consultant to the City on the project. According to Grossi, Brooklyn needs a town center to act as the focal point for the entire Borough. Recommendations were therefore made for the creation of "Borough Hall Square" (in front of the 1849 Borough Hall), to be landscaped with trees, gardens, plazas, and possibly a "Brooklyn Progress Pavilion."

This study succeeds earlier studies and recommendations made in 1914, 1945, and 1952, which have been completed to a large extent (even though many of the buildings are now obsolete), thereby creating opportunities

for further development. Grossi's principal findings can be summarized as follows: (1) Now is the ideal time to redevelop downtown Brooklyn within the framework of a realistic and economically feasible plan. (2) Devising modern vehicular traffic patterns should be secondary to creating pedestrian mobility in this "primarily pedestrian-oriented" area. (3) Incorporated in recommendations for the Civic Center are proposals for the development of major new structures and various planning innovations.

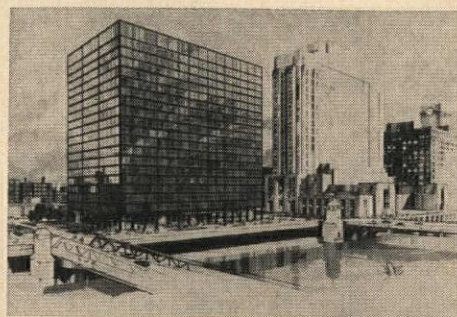
Generally, the plan seems a modest, workable one (with the possible exception of such gimcrackery as the "Progress Pavilion"). Architecturally, the area has already suffered the demolition of several interesting older buildings and the erection of a number of quite plain structures.

programs." Details can be obtained from ACTION, 2 W. 46 St., New York 36, N.Y.



## Boston High Rise

The tallest private office building in downtown Boston has been proposed for a site between the new City Hall and the old State House. The 35-story, Cabot, Cabot & Forbes Tower will be a masonry-sheathed steel frame structure, and will have a 35-ft plaza facing the old State House. It will have its own subway entrance to the State and Devonshire Streets station. Architect is Edward Larrabee Barnes of New York.



## Fumes at the Top

A portion of Chicago's railroad tracks will be veiled by the first building in Gateway Center. The 20-story office building by Skidmore, Owings & Merrill will be supported over tracks, between Monroe and Madison Streets, by 60' reinforced-concrete belled caissons. Diesel fumes previously dispersed at street level will be drawn through a high-efficiency ventilating

*continued on page 68*



NEW FROM JOHNS-MANVILLE:  
INVERTED COFFER

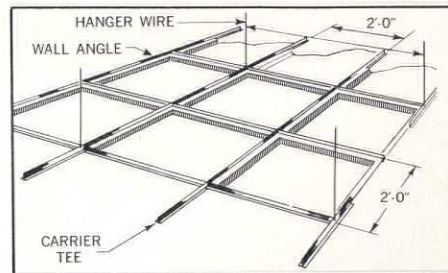
## ACOUSTI-SHELL 3-D CEILING PANELS

FLOOR IS J-M TERRAFLEX VINYL-ASBESTOS TILE; WALLS AND COUNTERS ARE FACED WITH J-M GLASAL ASBESTOS-CEMENT PANELS

**New** dimensional square...**New** textured surface...**New** low price!

This new Johns-Manville all-fiber-glass ceiling panel offers a combination of practicality and style . . . at moderate

cost. Square lay-in panels are moulded in inverted coffer shape, projecting 2" downward into the room. As shown above, the visible surface has an attractive, low-relief, rippled texture. Panels are factory-painted white, but can, of course, be repainted to suit any decorative scheme. Measuring 24" x 24" x 2" deep and acoustically effective (NRC of .75) . . . Inverted Coffier Panels suggest interesting applications in supermarkets and other broad-expanse areas.



*Lay-in Inverted Coffier Panels are quickly installed in an exposed grid-type suspension system.*

JOHNS-MANVILLE



SEE  
NEXT  
PAGE





NEW FROM JOHNS-MANVILLE:  
TEXTURED VAULT



ACOUSTI-SHELL  
3-D CEILING PANELS

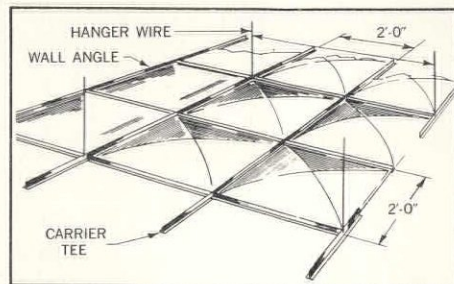
FLOOR AND PEDESTAL ARE J-M COLORCHIP; WALLS ARE J-M GLASAL; BOTH ARE JOHNS-MANVILLE ASBESTOS-CEMENT MATERIALS

## New textured surface...with vaulted contour...at modest prices!

A singularly effective way to add dramatic value to virtually any ceiling... and at the same time achieve high acoustical efficiency! Textured Vault Panels

are moulded entirely of fiber glass with an NRC of .75. They are 24" x 24", rising gently to create a 2" vault. As you see above, the surface is made more visually interesting by a low-relief, rippled texture. White-painted at the factory for easy repainting if desired, Textured Vault Panels offer an opportunity to create a sense of height and elegance, as in the gallery above, and in larger institutional or commercial building areas.

Send for more information on the complete line of Johns-Manville acoustical products. Ask for our new booklet, "Sound Control Ceilings". Address Johns-Manville, Dept. AB, Box 158, New York 16, N. Y. In Canada: Port Credit, Ont. Cable: Johnmanvil.



Installation of lay-in Textured Vault Panels is fast and simple in an exposed grid-type suspension system.



**JOHNS-MANVILLE**



COMING — IN SEPTEMBER!

**P/A's**

**ELEVENTH  
ANNUAL  
DESIGN AWARDS  
PROGRAM**



Be sure to look for your copy of PROGRESSIVE ARCHITECTURE for July as it will carry the formal announcement of the upcoming Eleventh Annual Design Awards Program for projects now in the design stage to be built in the U.S.A. in 1964.

The July issue will announce the selection of our new jury, the building categories, the date of judgement, and conditions governing the competition.

The Editors of P/A hope you will take advantage of the opportunity of presenting the best of your current work with the possibility of having it premiated, with the national publicity this entails.

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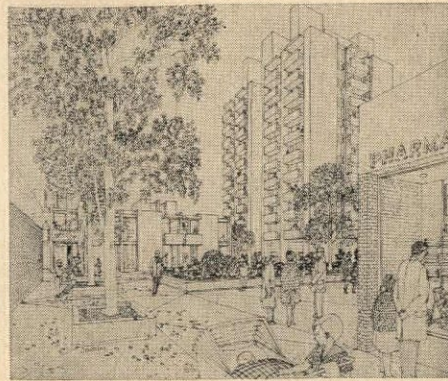
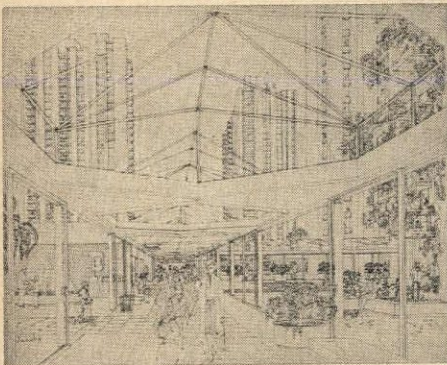


*continued from page 64*

system to the rooftop. Design includes a shopping arcade on the ground floor, and a service core that creates 18' x 45' bays on each office floor. Steel floor beams, 36" deep, will free the bays of columns and permit installation of air-conditioning and mechanical systems between floors. As conventional storage space has been pre-empted by the railroad, a "basement in the attic" places service equipment on the top floor.

## Reynolds Redevelopment

Design by Keyes, Lethbridge & Condon, of Washington, D.C., for Presidential Plaza redevelopment in Syracuse, N.Y., provides a variety of dwelling units: 870 in three 30-story towers; 60 in three 10-story towers; and 27 in townhouses. The development, which is a project of Reynolds



Aluminum Service Corp., a subsidiary of Reynolds Metals Company, and Eagan Real Estate, Inc., will also include an office building, recreation center, and supporting commercial facilities. Central feature of Presidential Plaza will be an enclosed, sky-lit mall that will link all major areas.

## Two-Use Seattle Garage

Proposed parking garage designed by John Graham & Company for the



Olympic Western Hotel in Seattle will perform two functions. In addition to accommodating 716 automobiles on 11 levels (two underground), the building will act as the terminal for bus service to the Seattle-Tacoma International Airport. A raised and enclosed bridge will connect the garage with the lobby of the hotel.



## High-Rise Folded Plate

The proposed 20-story United Founders Life Insurance Company Building in Oklahoma City will sport a folded-plate roof design that will be repeated on an adjacent cafeteria. The steel-frame, gray-glass-walled building will have a balcony for each set of offices, and a club on the top floor, featuring views of Lake Hefner and the Oklahoma City skyline. Architect is Hudgins, Thompson, Ball & Associates, Inc.

## PERSONALITIES

EDWARD J. ROMIENIEC, formerly Professor of Architecture at Columbia University, will return to Texas A&M, where he once taught, as head of the Division of Architecture . . . Recently elected to the Akademie der Kuenste, Berlin, was LUDWIG K. HILBERSEIMER; the Art Academy's membership includes Ludwig Mies van der Rohe and Walter Gropius . . . During a luncheon given at Harvard on May 18 to commemorate his 80th birthday, WALTER GROPIUS, design consultant for the Pan Am Building, labeled criticisms of that structure as "sentimentality and blindness . . . to the changing order of scale and magnitudes in cities" . . . Portland Cement Association scholarships for residential area design utilizing concrete as the principal building material go to students NATHAN S. LEBLANG, Carnegie Institute of Technology; STANLEY L. ANDERSON, University of Illinois; How-



## Weese Redevelopment in Wisconsin

Sampson Plaza is a 5¾-acre redevelopment project in Madison, Wisconsin, designed by Harry Weese & Associates of Chicago. Situated on a site overlooking a local park and Monona Bay, almost all units in the project will have views of park and water. Double buildings will be connected by bridges to an entrance tower containing elevator, electrical distribution, waste disposal facilities, and storage areas.

The central, landscaped area of Sampson Plaza will act as an extension of the public park. Parking for 90 per cent of tenant cars will be under cover of buildings; all will be screened by 4-ft retaining walls and terraces. Structure will be concrete-filled steel piles, steel frame, bar joists with metal deck, and concrete fireproofing on columns; exterior will be load-bearing masonry and stuccoed concrete block.





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ARD R. GARRISS, North Carolina State College; JOE W. JOHNSON, University of Nebraska; and LARRY J. HOSKINS, University of Oklahoma . . . Dean ROBERT BRUCE LINDSAY of Brown University received the Gold Medal of the Acoustical Society of America . . . MITCHEL STERN was re-elected President of the National Association of Architectural Metal Manufacturers . . . Winner of the Paris Prize of the National Institute for Architectural Education is THOMAS JON ROSENGREN for his design for a "Library in the University for Diplomatic Study"; Rosengren is a University of Illinois architectural student . . . Former President DWIGHT D. EISENHOWER has been named the first recipient of the Benjamin F. Fairless Memorial Medal of American Iron and Steel Institute; the medal has been established to honor "service generally related to preserving economic freedom, human liberty and the strengthening of individual enterprise . . . New dean of the Cooper Union School of Art and Architecture will be ESMOND SHAW . . . The 1963 Copper and Brass Architectural Achievement Award goes to EDWARD DURELL STONE for his use of copper and its alloys in interior and exterior design of the North Carolina State Legislative Building at Raleigh . . . 1963 winner of the Arnold W. Brunner Memorial Prize, awarded by the National Institute of Arts and Letters for promise of contributing to architecture as an art, is EDWARD C. BASSETT, S.O.M. partner.

## Sic Transit Gloria Nervi

Reactions of California architects to Nervi's proposals to Kaiser Steel for elevated freeways (p. 70, MAY 1963 P/A) were generally less than enthusiastic. One San Francisco architect reportedly commented, "You used to have to be Wright, but now you only have to be Nervi."

## NO BARD AWARD

Searching for civic architecture in New York City that is "functionally sound, aesthetically pleasing, and urbanistically correct," the jury for the first annual Bard Awards Program of the City Club of New York found nothing in the 24 projects submitted to meet the criteria. Vote of the Jury (P/A Editor Jan Rowan; Architects Gordon Bunshaft and Charles Colbert; National Municipal League executive committee chairman Richard S. Childs) was 3-1, with Colbert dissenting. City Club President I.D. Robbins, commenting on the jury decision, said, "There seems little doubt that what we have been getting for our money is not distinguished buildings. What we have is deadly mediocrity. What we want is exalted achievement." In his foreword to the jury report, he wrote, "It is just possible that out of this sad situation great good can derive." Next year, the program, named in honor of the recently deceased civic leader Albert

S. Bard, will examine privately-financed buildings; the year after, civic buildings will again be judged.

## COMPETITION

Architects who belong to "a recognized architectural institute or society" have been invited to enter a design competition for the planning of new college buildings and the design of a block containing the Faculty of Arts, Administrative Offices, and Examinations Halls for a new 200-acre college near Dublin for University College. Prizes will be £3500, £2000, £1000, and £500. Conditions will be available as of August 1 from the Competition Registrar, University College, Dublin 2, Ireland, for a deposit of £5 (about \$14.00). Last date for returning registration form is October 17; last date for questions is November 1; and last date for receipt of entries is June 1, 1964. Competition has approval of UIA and RIAI.

## Design Review for San Francisco

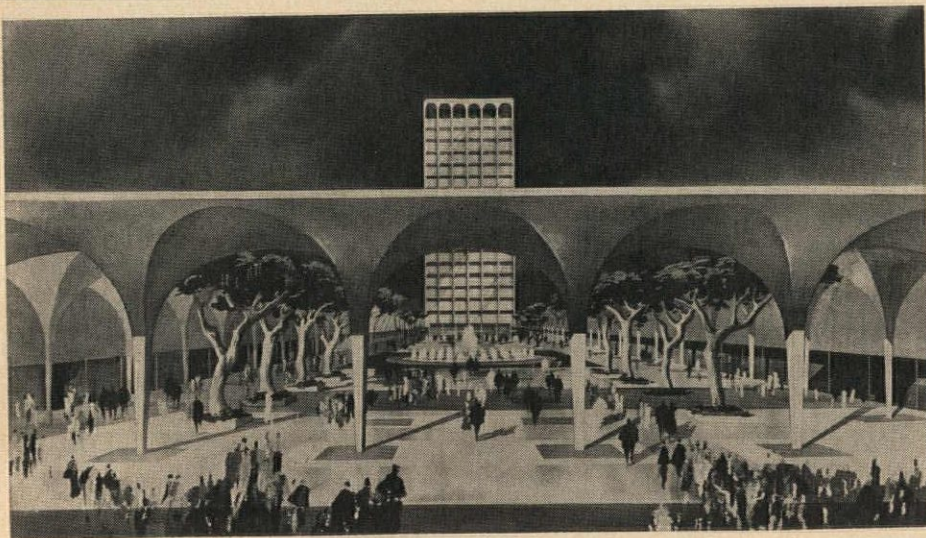
The San Francisco Redevelopment Agency, concerned as always with superior design for its redevelopment areas, has appointed an advisory panel for the architecture, landscaping, and siting of the proposed new St. Mary's Cathedral in the Western Addition. Since it is the agency's policy only to sell land subject to design review, the panel will presumably exert a good deal of influence on the ultimate product. Panelists are Thomas H. Creighton, Editorial Director of P/A and Partner of John Carl Warnecke & Associates; Landscape Architect Thomas Church; and Richard O'Hanlon, professor of art and sculpture at the University of California, Berkeley. Architects announced for the cathedral are Angus McSweeney, Paul A. Ryan, and John Michael Lee.

## It Had to Happen

Interior designer Daren Pierce is writing a book on his field entitled, *Who's Afraid of Elsie de Wolfe?*

## Calendar

Architect Kenneth M. Nishimoto's annual architectural tour of Japan will leave from Los Angeles for a 25-day journey on October 6; details from Nishimoto at 263 S. Los Robles Ave. Pasadena, Calif.



## Mall by Stone to Revitalize Sacramento

A mall-centered commercial complex by architect Edward D. Stone and painter Millard Sheets is planned for downtown Sacramento. Renewal plan for the six-block site to be developed by Reynolds Metals includes retail stores, an office building, and struc-

tures to vary according to leasees' needs. The mall, "in the classic tradition of the great market places," will foster such commercial and civic functions as exhibits, concerts, merchant's displays, and flower and auto shows. There will be underground parking.



AIA FILE NO. 28-A-2

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# PLANNING PROBLEMS



By E. E. Halmos, Jr.

City planners were getting a lot of advice from Washington as May began. And there was evidence that some of this help was welcomed — and some was no pleasure at all.

On the debit side were two developments: a recommendation from the White

House that various planning agencies in the capital be reduced virtually to advisory committees, and that real control of city planning be placed in the hands of the three-man Board of Commissioners, which constitutes the city's government. The recommendation would seem to make sense from an administrative viewpoint, but the Redevelopment Land Agency (which runs most urban renewal work in the city) and the architect-dominated Planning Commission, weren't happy at all.

A second development was a lengthy House debate (led off by Representative Alger of Texas) which started with heavy criticism of the whole concept of urban renewal. Interesting because of its hint of the line of future attacks on the concept were the reasons cited for opposing renewal: taking of property for resale to private developers; inequity of Federal guidelines and criteria; use of urban renewal to change sociological patterns; increase of crime in housing projects.

On the credit side, however, were the first of a series of "informational memoranda" sent out by the Bureau of Public Roads to implement provisions of the 1962 Highway Act.

BPR notes that the 1962 legislation calls for real co-ordination of transit and highway planning—with the idea that freeways should not overbalance the transportation picture in any of the 214 "metropolitan areas" set up by the Census Bureau.

The Roads Bureau will therefore require the states and cities to set up co-operative procedures to insure comprehensive planning, and insure re-evaluation of such plans at least every five years. Population trends, zoning, and character of the communities involved must be taken into consideration.

Penalty for failure to make proper plans (after 1965) could mean a cut-off of Federal-aid road funds.

Incidentally, Interior Secretary Udall's long-time battle with Washington's acres of memorial statuary got an unexpected boost from Wisconsin's Senator Proxmire. Said Proxmire: "If we don't do something (like establishing a commission to study proposed memorials), Washington is going to become a jumbled and endless sea of statuary."

On planning, note two other developments, one local (to Washington), the other national.

The latter involved a preliminary set of statistics from the Census Bureau, which noted that in the 40 largest metropolitan areas, suburban communities accounted for 65 per cent of all new housing units authorized in 1962. The pattern was almost an exact repeat of the situation Census found in 1961.

Only six of the metropolitan areas, including New York, showed more new housing units in the central city than in the suburbs. The remaining 34 areas (including Chicago, Los Angeles and Philadelphia) showed the heavy trend to suburban building.

(Home building, by the way, was showing no signs that builders' fears about nondiscrimination orders from the President were justified). In March, for example, new-home starts hit an adjusted annual rate of 1.49 million units—up 17 per cent over February and up 4 per cent over that a year ago. Builders have been afraid that nondiscrimination in housing developments would cut sales and prices. However, the President' nearly year-old order actually has been invoked only three times—twice in Washington, once in Chicago.)

And in Washington, the planners weren't happy with each other, it seemed. Architect Nathaniel C. Curtis, Jr., of New Orleans, presented the General Services Administration with plans for an enormous, 780-ft long, 6-story building (Federal Office Building No. 5), which would straddle one of Washington's wide streets (10th Street) along Independence Avenue, and would contain some 1.2 million sq ft of office space.

A key feature would be sculptured pillars supporting the first "floor" of the building, some 65 ft above ground, to permit views for passers-by.

Washington's Fine Arts Commission, which advises on such matters, delivered itself of some startled praise (words like "remarkable," "stupendous," "very ingenious"), but wasn't sure that the structure wouldn't clash with the more conventional architecture surrounding the site. The com-

mission took the matter "under advisement" — to the obvious annoyance of the architect.

## GSA Projects

Both House and Senate public works committees have approved a program of 115 buildings to be built, nationwide, by General Services Administration. A total of \$194 million is involved —if Congress now appropriates the needed money.

## Lighting Highways

Adding to its list of research contracts to aid highway design, the Highway Research Board has now let a number of contracts for study of the effects of lighting on freeways, and whether such lighting can be justified on the basis of benefits gained.

## FINANCIAL

Although construction seemed to be well in the van of a generally improving business picture, there were still strong indications that increasing costs might be a corollary of the rise.

A key indicator (the Bureau of Public Roads' average of bid prices) dropped 1.6 per cent in the first quarter of 1963—under the near-record high registered in the final quarter of 1962. But at 99.6 (1957–59 is taken as 100), the index was still well above the first three quarters of 1962, and all four quarters of 1961.

And the California state highway bid price index seemed to confirm this trend: it was up 7.6 per cent for the first quarter of 1963.

At the same time, secondary market prices for FHA-insured new-home mortgages continued an upward trend in March, reaching \$98.3 per \$100 of outstanding amount, and indicating a continuing caution in money markets.

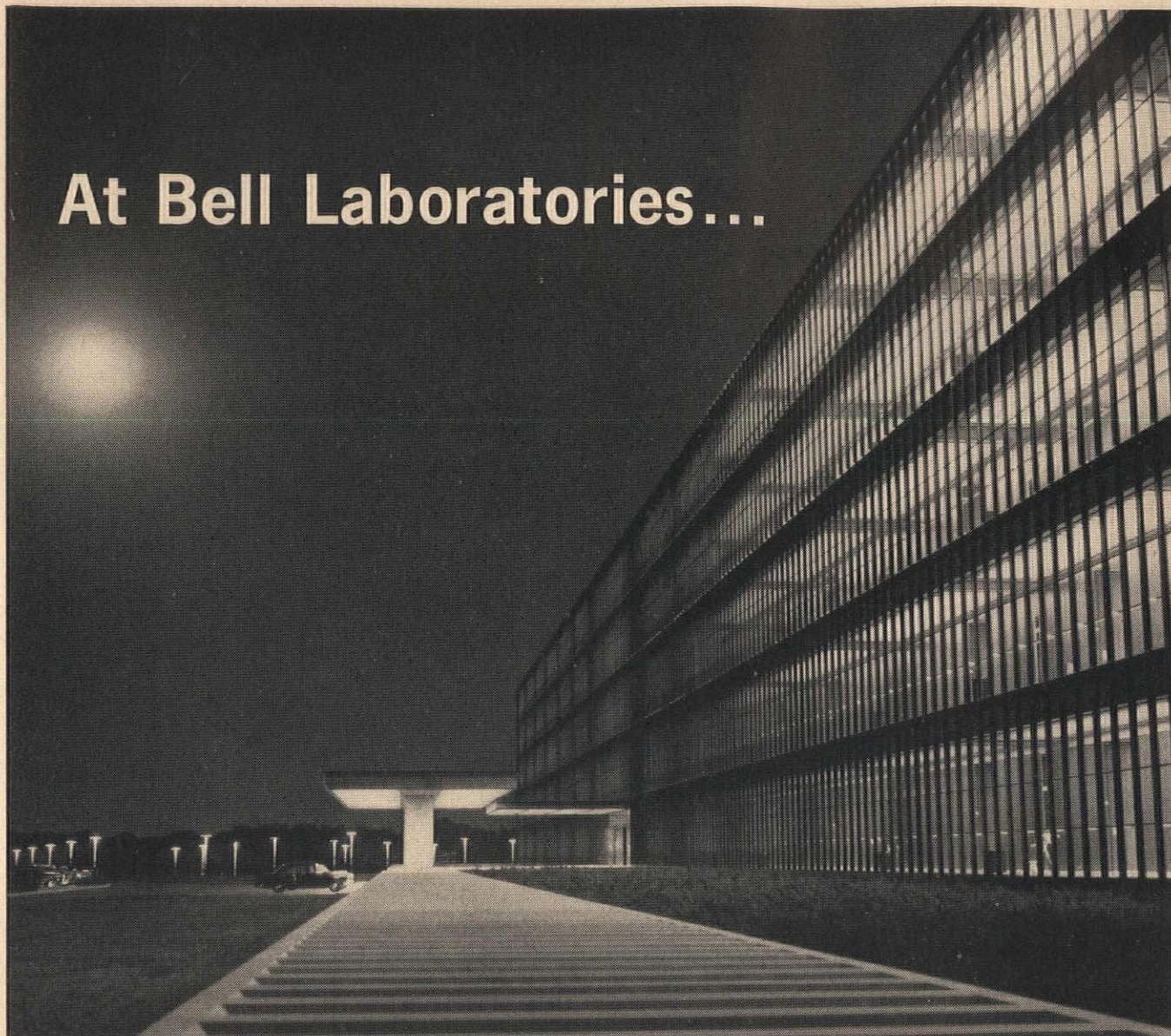
Nevertheless, other signs pointed to good business. In March, for example, voters approved 71.5 per cent, by value, of more than \$260 million worth of construction bond issues presented to them (the biggest proportion of these was for elementary and secondary schools).

Private industry, in various surveys, reported plans for spending perhaps \$40 billion for new plant and equipment this year.

And in March, the Commerce Department reported that the value of new construction put in place topped \$4.3 billion—up about 5 per cent over March a year ago.



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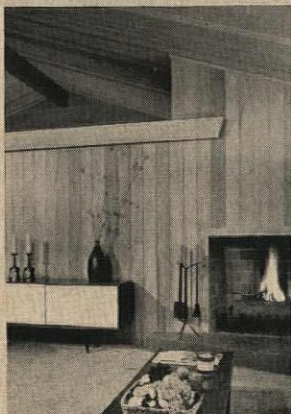


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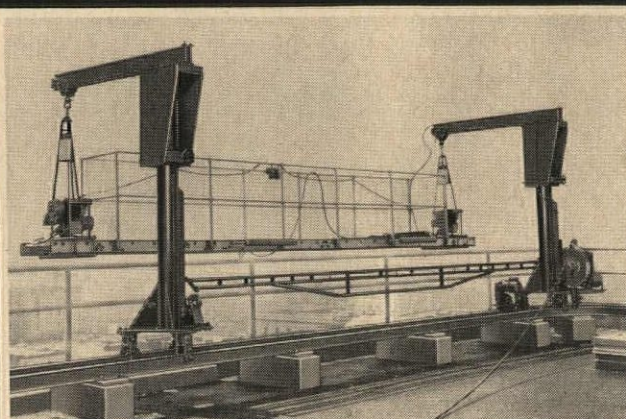
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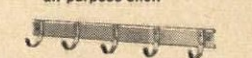
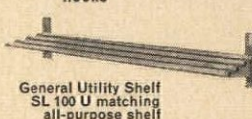
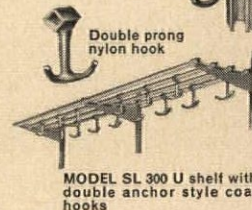
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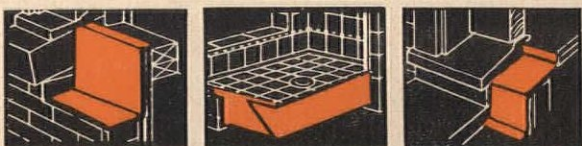
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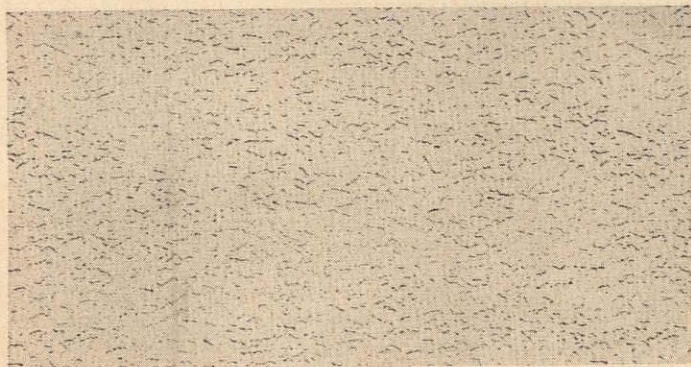
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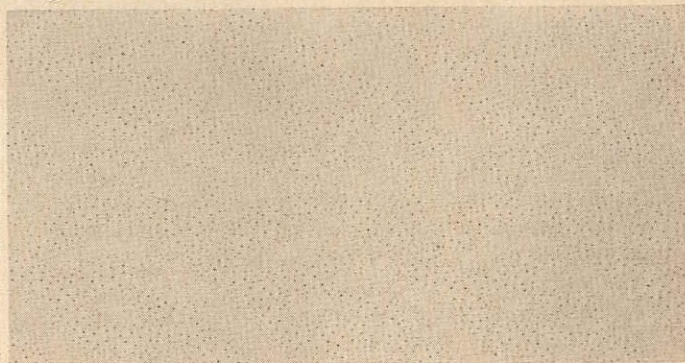
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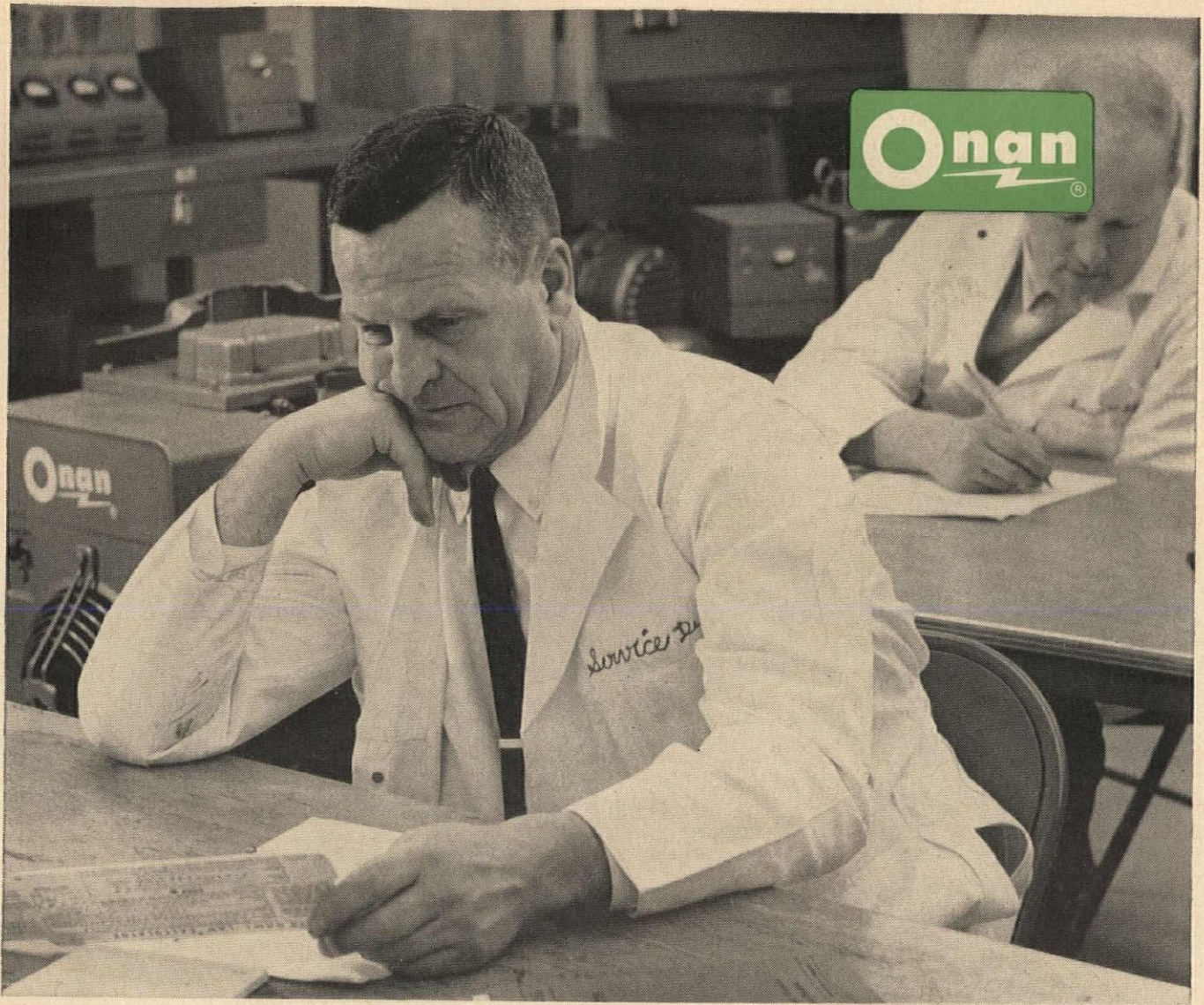


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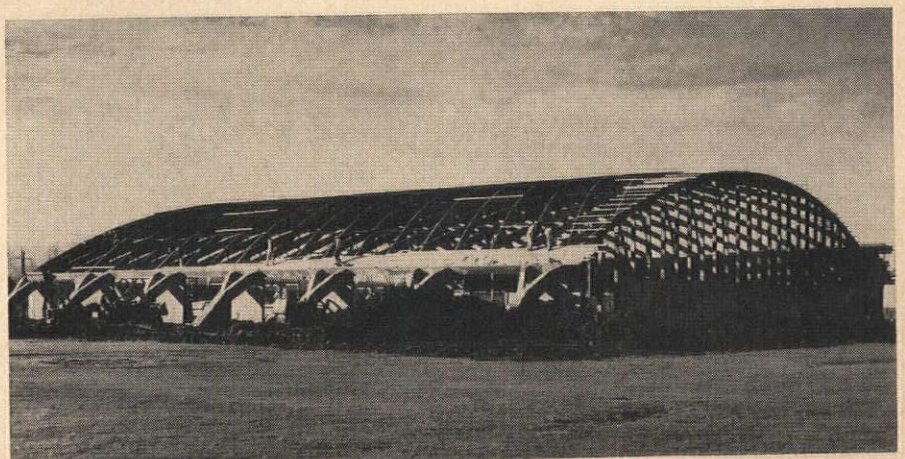
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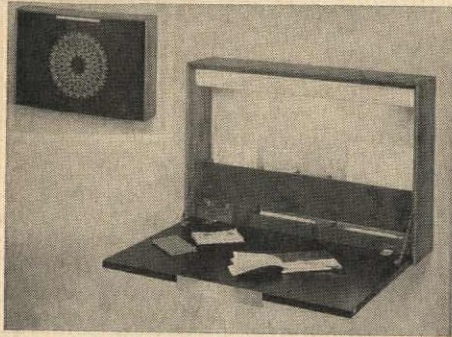




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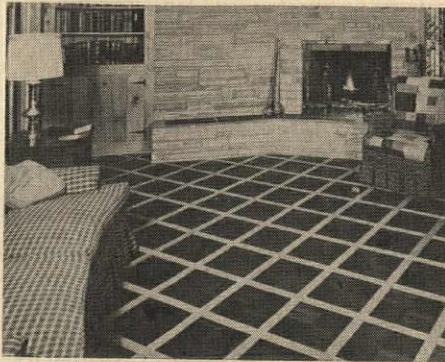


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### Hardwood Flooring

A new hardwood flooring that is laid like resilient tiles is now available. Flooring consists of solid (not veneer or plywood) Appalachian hardwood strips that are wired together to make up tiles. They are available from the factory, prefinished in oak, hard maple, white ash, or black walnut. Finish includes three coats, all infrared baked-on, so that it is impervious to common household stains such as grease and alcohol. Tiles, which are tongue-and-grooved, are available in standard size of 6" x 6" x 5/16". American Lumber Corp., Church and Bermuda Sts., Philadelphia 24, Pa.

*On Free Data Card, Circle 105*

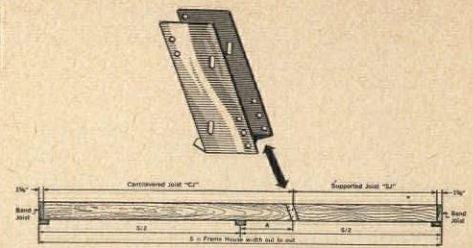
### Durable Wood Finish

"Madera," a smooth, dense, and impervious wood finish, resists normal wear and stains. Lipstick, crayons, and cigarette burns will easily wipe off this thermosetting polyester finish with soap and water. Madera can be used for paneling of all types. Simpson Timber Co., 2042M, Washington Bldg., Seattle 1, Wash.

*On Free Data Card, Circle 106*

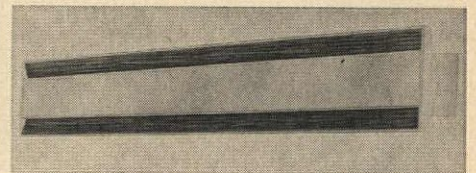
### Wood Fasteners

"Line-A-Joist" connector is the latest in a series of developments of structural wood fasteners. Consisting of 16-gage galvanized sheet steel, the connectors transmit shear loads from one member to another when joining two floor joists together in an "in-line" assembly. The connectors are available



in three sizes to accommodate 2 x 6, 2 x 8, 2 x 10, and 2 x 12 members. Manufacturer states that the connectors will save up to \$30 or more per house by utilizing more effectively wood floor joist materials. Timber Engineering Co., 1619 Massachusetts Ave., N.W., Washington 6, D.C.

*On Free Data Card, Circle 107*



### Lighting with Wood

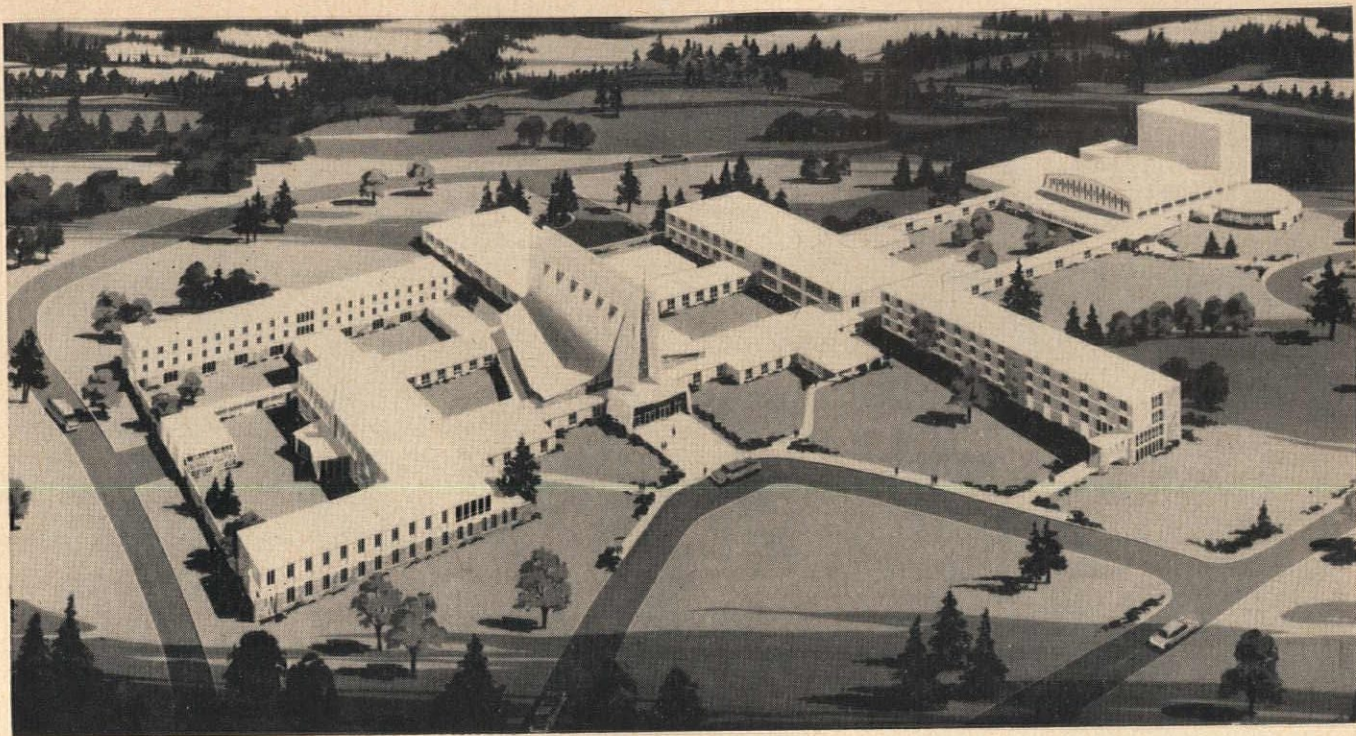
Fluorescent lighting fixtures utilize oil-finished woods and prismatic lens diffusers. Fixture can be surface or stem mounted, individually or in rows. Silhouette is only 3 1/2" deep, 12" or 16" wide. Unit is available in birch or walnut, as well as metal finishes and other materials on request. Walnut and birch are permanently bonded to the sides and end plates. Chassis and sides are die-formed of one rigid section. End plates are aluminum die castings for perfect alignment. Raceway cover snaps out for easy access to ballasts and wiring. Lens, in either acrylic or styrene, uses female prism pattern. Silvray Lighting, Inc., 100 West Main St., Bound Brook, N.J.

*On Free Data Card, Circle 108*

### Dormitory Furniture

Modular furniture system incorporates all requisite furnishings in a wall arrangement that is adaptable to any dormitory plan. This flexible system is supported vertically by two adjacent walls and ceiling, and horizontally by specially designed steel framing and support members. Units include seven wardrobe sizes ranging from 24" to 60" in width, 24" in depth, and 96" in standard height. Also included are student's desks, chests, drawers, beds, chairs, and lounge seating, and study/library furniture. The system is constructed with "Fiber-x," a solid, molded board composed of wood fibers and thermosetting plastic resins. Fiber-x





OWNER:  
Sisters of St. Benedict, St. Martin's Academy, Rapid City, South Dakota.

GENERAL CONTRACTOR:  
Corner, Howe & Lee, Rapid City, South Dakota.

ARCHITECT:  
Mark F. Pfaller Associates, Milwaukee, Wisconsin.

PRESTRESS DESIGN AND ERECTION:  
Hufschmidt Engineering Company, Menomonee Falls, Wisconsin.

## New St. Martin's Academy... Showplace for Prestress Concrete Construction

Dedicated in May, 1963, St. Martin's Academy, Rapid City, South Dakota, features approximately 140,000 square feet of structural precast concrete.

Both pre-tensioning and post-tensioning were used in the complex. Floor and roof slabs were of pre-tensioned design—and were produced off the construction site using  $\frac{1}{4}$ " Union TUFWIRE Strand. Two-stage post-tensioning was employed in certain structures with beams continuous over three spans. Post-tensioning during Stage One was sufficient for handling stresses and dead weight. Stage Two post-tensioning incorporated the live load requirements. Four different sizes of TUFWIRE were used in post-tensioning.

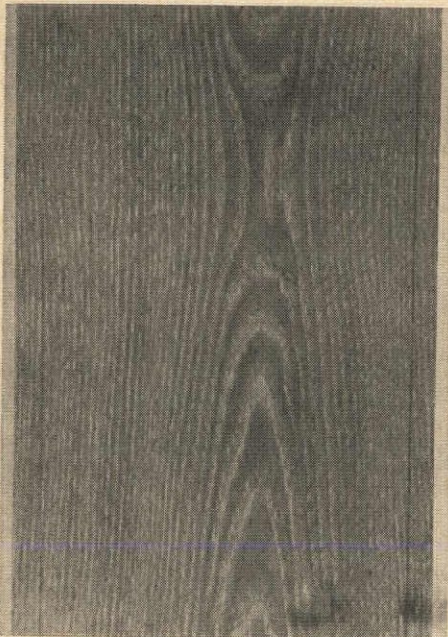
Prestressing and erection of structural frame, walls, roof and floors was by Hufschmidt Engineering Company. Send for helpful literature on Union TUFWIRE Products for prestressed concrete. TUFWIRE and Union Wire Rope Products are made by **Sheffield Division, Armco Steel Corporation, Department S-703, 7100 Roberts Street, Kansas City 25, Missouri.**





is impervious to dents, scratches, chipping, or staining. Finishes are available in fruitwood, walnut, frosty walnut, cherry, teak, and birch. Royal-metal Corp., 1 Park Ave., New York 16, N.Y.

*On Free Data Card, Circle 109*



## Removable Panel System

Perimeter wall system consists of balanced (or semibalanced)  $\frac{1}{4}$ " panels of laminated wood, factory fabricated in high-pressure presses. If walls warp, they will warp concave to the face, so that the face will exert a backward pressure against the wall whenever edges are contained. Panels are held against sub-wall of any material in any condition with special steel and aluminum moldings. They are held entirely mechanically, non-adhesively, and with proper allowance for expansion and contraction. Each panel may be removed from the wall for purposes of redecoration, injury to panel, or access to area behind panel. Panels are available only in 3 x 8 and 4 x 8 sizes, and 8' lengths. System costs about \$2.50 per sq. ft. System offers greater cleanability, less susceptibility to cracking or crazing, and less direct sound reflectivity than tile. Parkwood Laminates, Inc., 134 Water St., Wakefield, Mass.

*On Free Data Card, Circle 110*

## Prefab Laminated Doors

Factory-prefinished interior door consisting of high-pressure "Laminex" skin in "Poly-Clad" Adirondack birch finish has been announced. Edge-toned door is factory-presized, beveled, and machined for hinges and lockset to

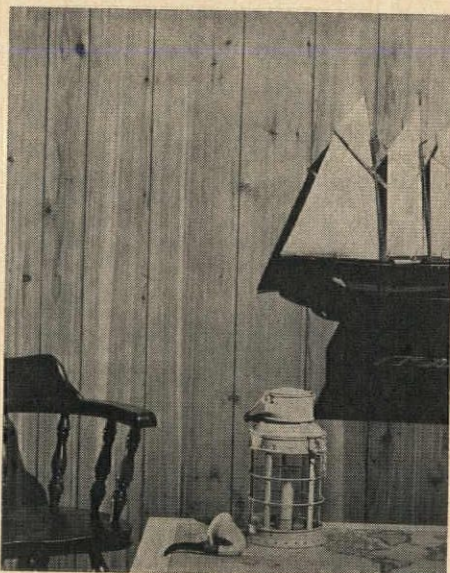
exact specifications. They are available in 6'8" heights and  $1\frac{3}{8}$ " and  $1\frac{3}{4}$ " thicknesses. Doors also provide hollow, solid, or institutional type cores in 1-6, 1-8, 1-10, 2-0, 2-4, 2-6, 2-8, 2-10, and 3-0 widths. Plywall Products Co., Inc., P.O. Box 837, Corona, Calif.

*On Free Data Card, Circle 111*

## Free-Standing Cabinets

Free-standing vertical arrangement of walnut cabinets has been announced. This flexible-component wall system includes over 100 types of cabinets finished in hand-rubbed oil or satin lacquer. Plaster laminates are also used for surfaces. Drawer and door fronts are available in many colors. Hardwood House, Inc., Division of Rochester Capital Leasing Corp., 10 St. James St., Rochester 6, N.Y.

*On Free Data Card, Circle 112*



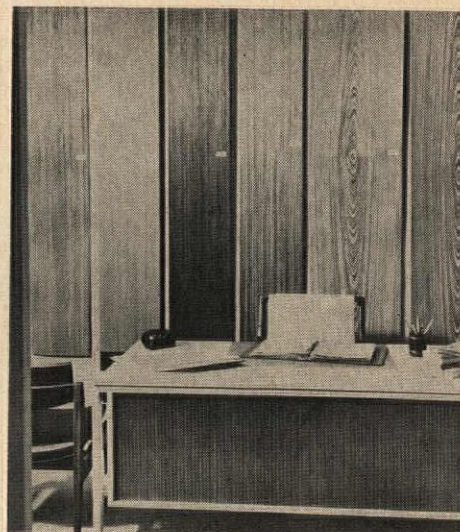
## Acid-Proof Plywood Paneling

Factory-finished plywood paneling, which is available in variety of woods and in several price ranges, has been announced. Finished surface eliminates smudges, stains, and grease marks. They can be used for floor-to-ceiling walls, dividers, accents, and wainscoting. Patterns include grains, swirls, and knots. Roseburg Lumber Co., Roseburg, Ore.

*On Free Data Card, Circle 113*

## Predetermined Veneers

Natural wood veneers, whose color and pattern can be predetermined and controlled, are now available. Patterns



consist of "fine line" stripes running through veneers. Stripes can be precisely placed. Other veneers have stripes arranged in random widths and colors or in linear stripes. Patterns are also produced with loops and swirls; they are made by building up a man-made log or laminated block of different colors or species of wood, which are arranged in layers to produce the desired contrasts. The log is then cut at right angles to the layers, producing prearranged stripes. Arched or swirl patterns are cut from the log at various diagonals and slanting angles. Fineline can be sanded, and takes stains, lacquers, and oil finishes. It can also be bonded to metal. William L. Marshall Ltd., 450 Park Ave., New York 16, N. Y.

*On Free Data Card, Circle 114*

## Low-Cost Plywood Paneling

Three wood products have been developed to decrease building and remodeling costs. (1) Hypalon-synthetic-rubber overlaid plywood is a permanently colored sheet of DuPont's synthetic rubber bonded to waterproof plywood. The mar-resistant finish is called "Acryglas." (2) "Ranch Panel" is an exterior wood siding in vinyl-acrylic factory-applied colors, which waterproofs exterior standards. (3) Mahogany interior paneling, called "Econoply," is plywood having imported, faced veneers and durable factory finish. It can be attached to any wall including bare studs. Georgia-Pacific, Equitable Bldg., Portland 4, Ore.

*On Free Data Card, Circle 115*

\* \* \*

## End of Wood Products Listing

Information on technical literature dealing with wood begins on page 86.



Thanks to modern, malleable lead, a pool's place is practically anywhere these days. Take the pool below for instance—one of many unique touches at the new Blue Cross building recently completed in St. Louis. This man-made pond and its tangent planters form an eye-catching replica of the Blue Cross insignia, highlighting an open-deck promenade fronting the new structure. Beneath this promenade and pool lies a 90-car, sub-grade parking area. In between: the invincible protector—lightweight, leakproof lead.

Keeping pools like this in their place—at a practical price—is a snap for modern lead sheeting. No other material can even approach its combination of watertightness, corrosion-resistance, workability, and economy of installation. Concerned about maintenance? Lead never needs any. Replacement? Never needs that, either. When the building it betters is but a memory, the lead will still be serviceable.

Pools and planters like those below are adding dramatic flair to more and more of the nation's new structures. Thanks to low-cost, sheet-lead waterproofing, they can be added practically anywhere.

How about you—do pools have a place in your plans? Detailed technical data on pool-and-planter applications of lead may help you to decide. Ask us for it. Lead Industries Association, Inc., Department N6, 292 Madison Avenue, New York 17, New York.

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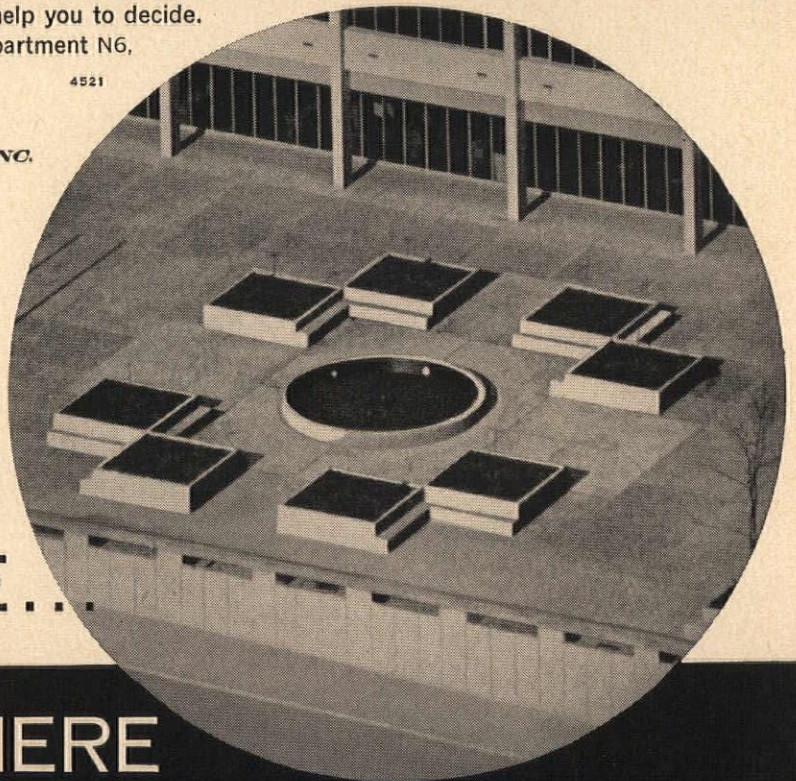


**LEAD INDUSTRIES ASSOCIATION, INC.**  
292 Madison Avenue, New York 17, New York

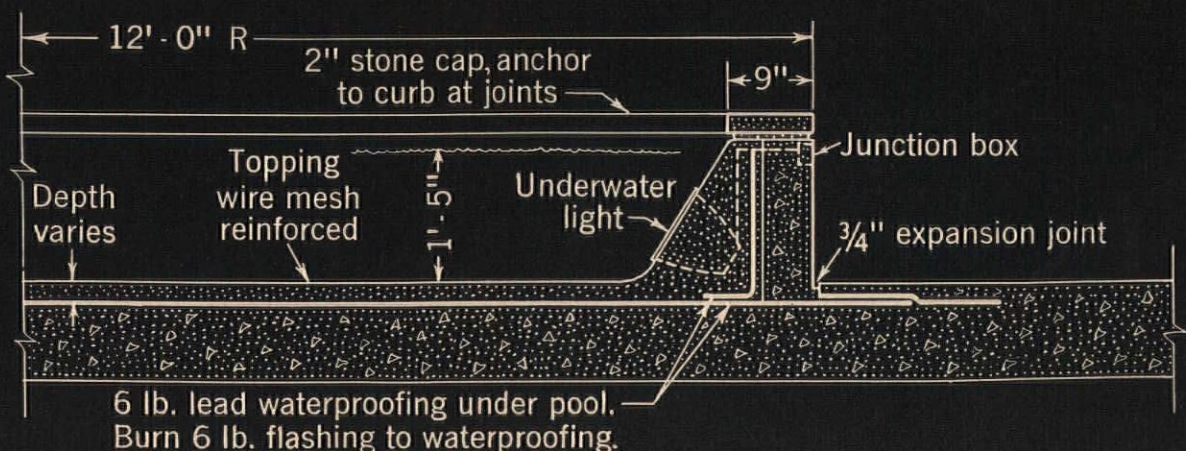
*Look Ahead with Lead*

For more information, circle No. 343

## HOW TO PUT A POOL IN ITS PLACE...



## AND KEEP IT THERE





## DATA ON WOOD

### Cedar Siding

Western Red Cedar siding, described in a brochure entitled "Bevel Siding," is lightweight, economical, and easily adaptable to paints, stains, and other finishes. It does not split, shrink or warp, and contains qualities of insula-



tion and durability. One side of cedar bevel siding is smooth-surfaced and the reverse side is saw-textured. Brochure also includes grades, sizes, application and finishing procedures. Western Red Cedar Lumber Assn., 4403 White-Henry-Stuart Bldg., Seattle 1, Wash.

*On Free Data Card, Circle 200*

### Hardwood Veneers

Hardwood veneers are the subject of this 8-page folder. Color range, visual and physical texture, and types of veneer cuts are discussed. Folder contains illustrations, photographs, specifications, and chart listing some typical hardwood veneer species, which includes commercial name, origin, color and type of figure (natural pattern or design seen on surface of wood). Glossary of terms and matching effects of veneers are also included. Fine Hardwoods Assn., 666 Lake Shore Drive, Chicago 11, Ill.

*On Free Data Card, Circle 201*

### Hardwood Plywood Manuals

Two manuals discuss (1) hardwood plywood, and (2) design procedure for eliminating "guesswork" in selecting plywood panels to fulfill acoustical absorption requirements. First manual, 48-pages, includes plywood construction, hardwood veneers, glues, types and sizes, properties of hard-

wood, color, dimensional stability, fasteners, acoustical properties, thermal conductivity, selection and installation. The second, a 38-page acoustical paneling manual, developed by Bolt, Beranek & Newman, Inc., gives five-step procedure for selection of acoustical paneling plus explanatory illustrations. Plywood and acoustical manuals are available at cost of \$2.50 and 25¢ respectively from Hardwood Plywood Institute, 2310 South Walter Reed Drive, Arlington 6, Va.

### Plywood Products

Booklet, 46-pages, describes plywood and its uses. Included in booklet are sections on decorative plywood, doors,



overlay surfaced and fir plywood, siding, sheathing, and hardwood. Color illustrations, details, and specifications are also given. Georgia-Pacific, Equitable Building, Portland 4, Ore.

*On Free Data Card, Circle 202*

### Species of Western Pine

Ten western pine species are the subject of a 28-page booklet. The species discussed are Engelmann Spruce, Lodgepole Pine, Western Red Cedar, Incense Cedar, Larch, Ponderosa Pine, White Fir, Sugar Pine, Idaho White Pine, and Douglas Fir. Booklet contains selector guide giving appearance, weight, strength, shrinkage, nailability, finishing, and gluing properties of the types of pine. Also included are charts on sizes, stresses, spans, roof decking, siding, and illustrations. Western Pine Assn., 510 Yeon Bldg., Portland 4, Ore.

*On Free Data Card, Circle 203*

## Strength Tests for Built-Up Wood Beams

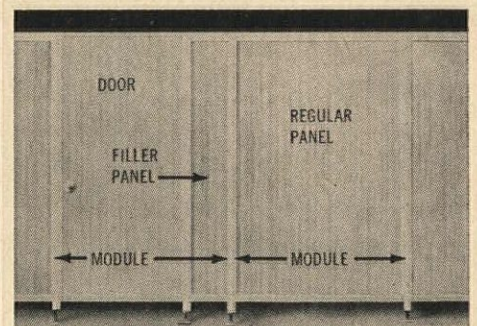
"Built-Up Beams for Light Frame and Pole Construction" is the title of an 18-page report that studies the means of increasing the strength and stiffness of the horizontal interior and exterior nailing members or girts in conventional pole-frame construction. Included in the discussion are factors such as thickness of plywood, size and type of nails, and gluing. Chart showing results of bending tests of built-up plywood beams plus details and illustrations are also included. Forest Products Laboratory, Madison 5, Wis.

*On Free Data Card, Circle 204*

### Wood Trusses

"Versatility in Wood Roof Trusses" is subject of an 8-page brochure. Types discussed are pitched, bowstring, flat, land, scissors, and trussed rafters. Special utility structures such as arch frames, umbrella sheds, and pole-frame trusses are also described. Brochure also contains charts concerned with types of trusses, spans, depths, spacing, and live and dead load. Timber Engineering Co., 1619 Massachusetts Ave., N.W., Washington 6, D.C.

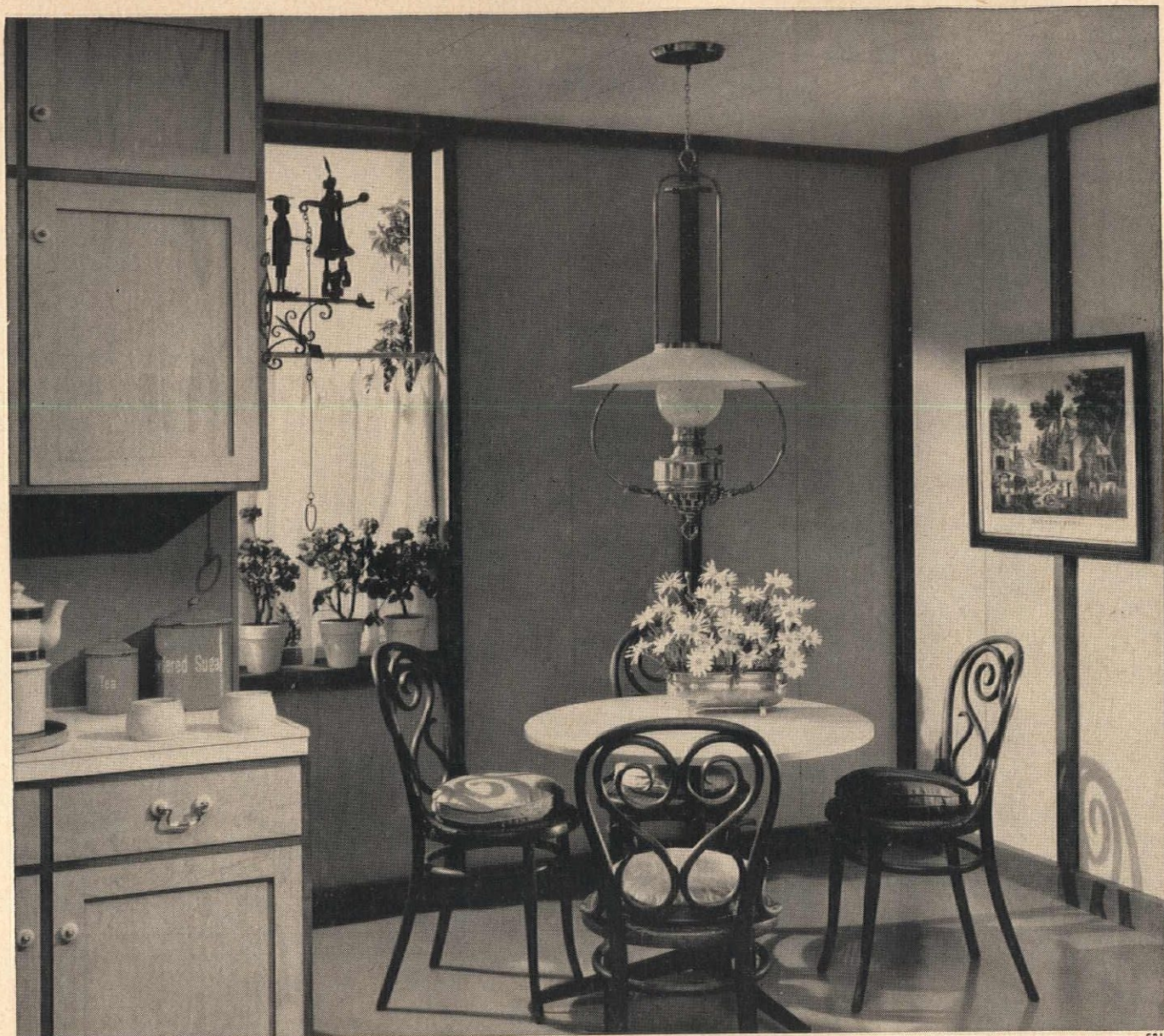
*On Free Data Card, Circle 205*



## Wood Doors, Panels, and Partitions

Series of five pamphlets on wood products has been published that discusses doors, industrial plywood, movable partitions, "easy-wall" partitions, and paneling. The first examines doors, including sash, louver, panel, French, ceiling height, entrance, and bifold. Color illustrations, sizes, thicknesses, and cutaway drawings are given. Second contains information on various types of plywood, including high- and medium-density overlaid plywood, concrete forms, hardboard faced plywood, boat panels, acrylic overlaid plywood, and others. Specifications and color illustrations are given. Third shows movable partitions,





6313

## Create home interiors that stay in style for years with beautiful wash-and-wear Marlite Paneling

With versatile Marlite paneling, you can create modern interiors in any room in the home that take years of wear with just minutes of care. Marlite's soilproof plastic finish is baked on at high temperatures most materials can't stand. Unlike many other wall coverings, Marlite shrugs off grease, stains, mars—even heat.

And the selection of Marlite colors and patterns is almost endless. You can choose from a complete array

of beautiful colors, authentic Trendwood reproductions, distinctive marble and decorator patterns . . . all created exclusively for Marlite by American Color Trends to stay in style for years.

Get complete details from your building materials dealer, consult Sweet's File, or write Marlite Division of Masonite Corporation, Dept. 614, Dover, Ohio.

**Marlite®** plastic-finished paneling  
ANOTHER QUALITY PRODUCT OF MASONITE® RESEARCH

MARLITE BRANCH OFFICES AND WAREHOUSES: 204 Permalume Place N.W., Atlanta 18, Georgia • 18 Moulton Street, Cambridge 38, Mass. • 4545 James Place, Melrose Park, Illinois (Chicago) • 8908 Chancellor Row, Dallas 7, Texas • 1657 Powell Street, Emeryville, California (Oakland) • 3050 Leonis Blvd., Los Angeles 58, California • 39 Windsor Avenue, Mineola, L. I. (New York) • 2440 Sixth Avenue So., Seattle 4, Washington

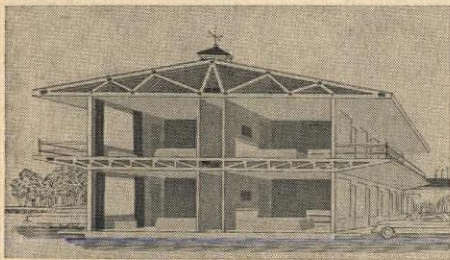


including ceiling, railing, bank, and cornice type. The fourth gives schematic drawings of erection details and components of finishes concerning partitions, matching doors, and matching panels. The fifth presents different finishes and textures of various paneling materials; included are color illustrations and details of panel types. Simpson Timber Co., 2000S Washington Bldg., Seattle 1, Wash.

*On Free Data Card, Circle 206*

## Precision Trusses

Trusses that avoid ridge sagging and outward thrust are described in 24-page booklet. Because trusses are self-



supporting, interior bearing partitions are not needed. No double floor joists are required under interior partitions. Structures are closed in fast, which reduces weather hazards and protects interiors and equipment. Booklet discusses many types of trusses by showing vertical sections through homes, churches, attic rooms, space frames, motels, and plants. Details and specifications are also included. Sanford Truss Inc., P.O. Box 1177 Pompano Beach, Fla.

*On Free Data Card, Circle 207*



## Glu-Lam Larch

Standard specifications and designs for glued laminated larch are described in 14-page booklet. Discussed are

working stresses, vertical laminations, adhesives, end joints, and fabrication. Charts on working stresses and properties of glu-lam structural lumber as well as bibliography on larch are also given. Western Pine Assn., 510 Yeon Bldg., Portland 4, Ore.

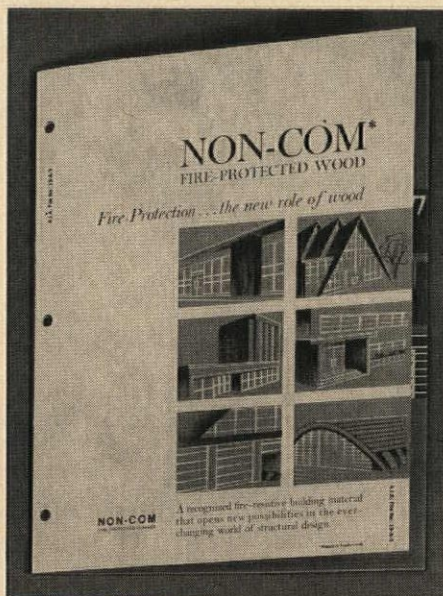
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## Western Red Cedar

Grades and uses of Western Red Cedar are described in 36-page brochure. Subjects covered are bevel siding, boards, casing and base, ceilings, floors, dimensions, finish, roof decking; charts are also included. West Coast Lumbermen's Assn., 1410 S.W. Morrison St., Portland 5, Ore.

*On Free Data Card, Circle 209*



## Fire Protected Wood

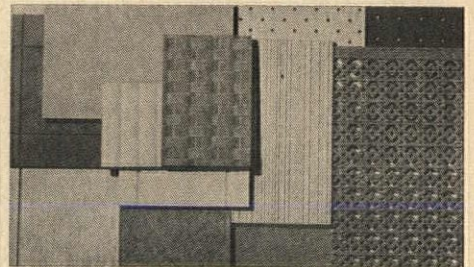
"Non-Com" fire protected wood is described in 4-page folder. Wood provides protection for cornices, roof battens, gusset framing, sheathing, beams, etc., and has a fire rating of 15 or less, which is equivalent to gypsum wall board in its resistance to flame spread, fuel contribution, and

smoke density. Non-Com is pressure-impregnated with mineral salts that react chemically at a temperature below ignition point of wood. These salts emit noncombustible gases and water vapor that replace flammable gases, and a dry carbon develops rather than tar—forming a protective, insulating char on the surface. The wood also resists decay, termites, and wood-destroying insects. Koppers Co., Wood Preserving Division, 750 Koppers Bldg., Pittsburg 19, Pa.

*On Free Data Card, Circle 210*

## Hardboard

A 16-page booklet on hardwood discusses its history, composition, and manufacture, as well as types of hard-



wood, textures available, and uses. Included are illustrations, photographs, and glossary of terms. American Hardboard Assn., 205 W. Wacker Drive, Chicago 6, Ill.

*On Free Data Card, Circle 211*

## Wood Preserving Fundamentals

Wood preservation is the subject of a 12-page booklet. Among the topics discussed are agents that destroy wood, steps to treat wood, conditioning of wood for treatment, preservatives and retentions, and inspection. Illustrations and specifications are also included. Pioneer Products Division, Witco Chemical Co., Inc., 122 E. 42 St., New York 17, N.Y.

*On Free Data Card, Circle 212*

## Southern Pine Grading Rules

Standard grading rules for Southern Pine lumber have recently been published in 162-page manual. The 1963 publication is divided into four sections. Topics covered include use and size classifications, moisture content, rough and dressed sizes, general grading provisions; finish flooring, mouldings, OG Batts and beveling siding; structural lumber; and factory grades. Details, charts, and illustrations are



## Around the World with "HILLYARD MAINTAINERS"

In Germany there is a saying—

*"Wer 'gut' sagt,  
is sich nicht immer gut!"*

It means: "One who says 'good' is not always good himself!" It's a way of saying in Germany **unsupported claims mean very little**. There, a product must prove itself before it is accepted. That's sound judgment anywhere.

When Hillyard "Maintainers" went to Germany to demonstrate Hillyard methods of floor finishing and maintenance, they fully expected to prove Hillyard products thoroughly before German maintenance engineers, architects, and craftsmen would accept them. This attitude, Hillyard has long understood and recommended—so our floor treatment specialists were eager to accept the challenge . . . to prove Hillyard quality!

During the rapidly expanding economy in Western Germany, thousands of acres of new floors were seeking the highly skilled treatment recommendations of the Hillyard "Maintainer." Despite the fact that Hillyard products had to be shipped several thousand miles, with an obvious increase in cost, the demand for controlled performance and long-term economy created an immediate preference for Hillyard floor treatments over competitive brands available on the continent.

They discovered in Germany what is true all over the world—that Hillyard quality speaks a readily understandable international language. It convincingly proved Hillyard care saves time and money, maintains floors better, longer! The benefits derived from Hillyard quality, service, and methods are recognized everywhere. May we help you by demonstrating these benefits?



Fritz Dreier, a personable young Swiss, spent many hours training in St. Joseph. After his schooling, Fritz went to Germany for further work with the Hillyard Representatives there. He will serve Hillyard customers in France, Italy, and Spain. All overseas "Maintainers" have attended this floor treatment school under the direction of A. A. McNeiley (left), Director Special Service Division. H. F. Bayer, Hillyard Sales Manager is at the right.



## Hillyard Super Hil-Tone Takes the wear—saves the surface

This West Germany floor, an artful work of parquetry, is finished with Hillyard Trophy Gym Finish and dressed daily with Super Hil-Tone to keep it sparkling.

A thin, non-slippery Super Hil-Tone film controls dust and creates a guardian cushion against surface wear. It makes the finish last longer—cleans as it forms its protective coat. Super Hil-Tone is fire-safe in storage and in use and bears the U/L label "relating to fire hazard." Safest on the floor, too!

Whether you're specifying treatment for gymnasium floors or any functional floor, there is a Hillyard product that will give superior surface performance. The Hillyard "Maintainer" is a floor treatment specialist trained to know the physical properties of each type floor in order to recommend proper treatment—and to recognize the dangers of improper treatment. At your request, he will "job captain" your floor finishing.

Write or call collect. There's a Hillyard "Maintainer" near you to be "On your staff—not your payroll." His service and knowledge are yours without obligation.

**PROPRIETARY  
CHEMISTS  
SINCE 1907**

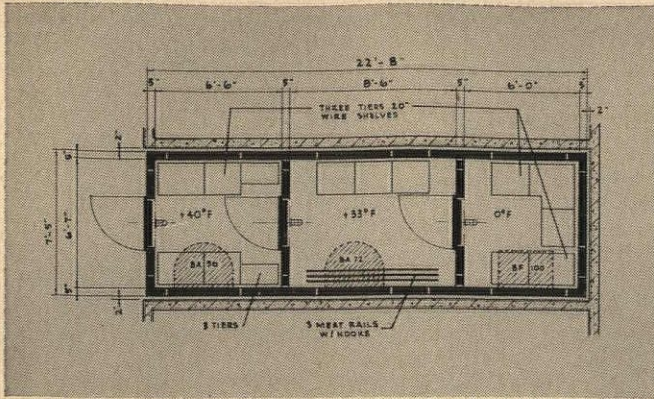


**HILLYARD  
FLOOR  
TREATMENTS**

St. Joseph,  
Missouri,  
U.S.A.

Passaic, New Jersey  
San Jose, California





Plan view of the combination Walk-In installed at Somerset Community Hospital, Somerset, Pa.

Specifications prepared by Scarlett & Mitchell, Architects, 673 Washington Road, Pittsburgh, Pa.

## Bally pre-fab walk-ins all-metal coolers and freezers

World's most advanced design. New materials and construction techniques offer architects an opportunity to provide tremendous refrigeration advantages to their clients.

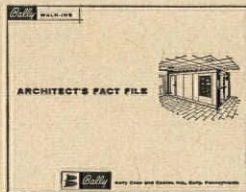
Urethane 4" thick (foamed-in-place) has insulating value equal to 8½" fiberglass. Standard models can be used as freezers with temperatures as low as minus 40° F. Urethane has 97% closed cells... cannot absorb moisture... ideal for outdoor use.

Speed-Lok Fastener designed and patented by Bally for exclusive use on Bally Walk-Ins. Makes assembly accurate and fast... easy to add sections any time to increase size... equally easy to disassemble for relocation.

New foamed door, so light in weight it ends forever the "hard pull"... the "big push". Door is equipped with new type hand lock (with inside safety release) and convenient foot treadle for easy opening. Also has special hinges that close door automatically. Magnetic gasket guarantees tight seal.

Self-contained refrigeration systems combine balanced capacity condensing units and refrigeration coils. Mounted and hermetically sealed with necessary controls on small wall panel. Simplifies installation. Four-hour factory test assures quiet, efficient, trouble-free operation.

Write for Free Architect's Fact File which includes 12-page brochure... Specification Guide... and sample of urethane wall construction.



See Sweet's File, Section 25a/Ba



Bally Case and Cooler, Inc.  
Bally, Pennsylvania

Address Correspondence to Dept. PA

For more information, turn to Reader Service card, circle No. 312

## For greater safety— greater impact resistance



### SPECIFY **fm** TEMPERED plate glass framed MIRRORS

Where impact and shock resistance must be evaluated for specific mirror installations in hospitals, schools, institutions and other locations — specify FM framed tempered plate glass mirrors. Impact resistance is eight times greater than ordinary glass. Under terrific impact, the glass will shatter, but disintegrates into blunt fragments — not sharp. Available in a wide range of framed sizes.

Please write

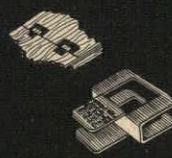
**Faries-McMeekan, Inc.**

P. O. Box 35, Elkhart 2, Indiana

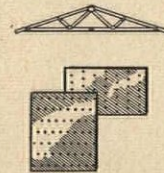
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**TECO H-CLIP**  
Plywood Supports



**TECO TRUSS PLATES**  
For Single Plane Roof Trusses

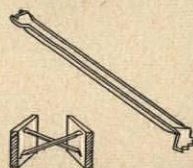


**TECO-U-GRIP**  
Joist and Beam Hangers



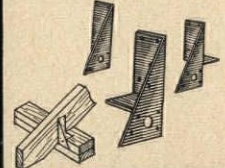
1/2 the Cost of  
Old Style Hangers

**TECO FAS-LOK**  
Bridging (No nails needed)



**Structural  
Wood  
Fasteners  
by  
TECO**

**TECO TRIP-L-GRIP**  
Framing Anchors



**TECO SPLIT RINGS**  
For TECO Roof Trusses



Send for FREE  
**TECO**  
Wood Fasteners  
Technical File  
NO. TF-63

**TECO POST CAPS**



**TIMBER ENGINEERING COMPANY**

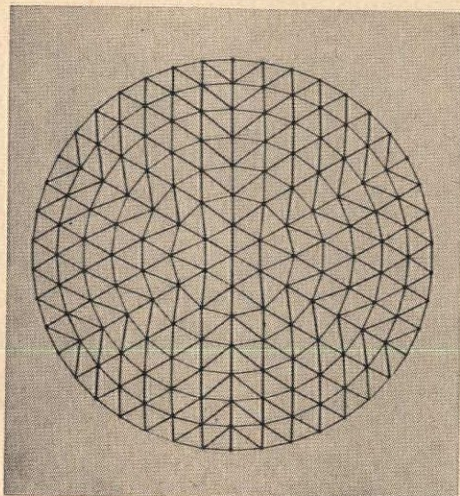
1619 Massachusetts Avenue, N.W., Washington 6, D. C.

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also included. Southern Pine Inspection Bureau, National Bank of Commerce, New Orleans, La.

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### Glu-Lam Structures

"Engineering in Wood," a 24-page booklet, discusses various glu-lam structures, including arches, structural members, rigid frames, trusses and domes. Charts contain information on typical haunch sections, foundation arches, tied and buttressed arches, section properties of glu-lam members, typical sizes of beams and purlins, specifications, and installation procedures. Timber Structures, Inc., P.O. Box 3782, Portland 8, Ore.

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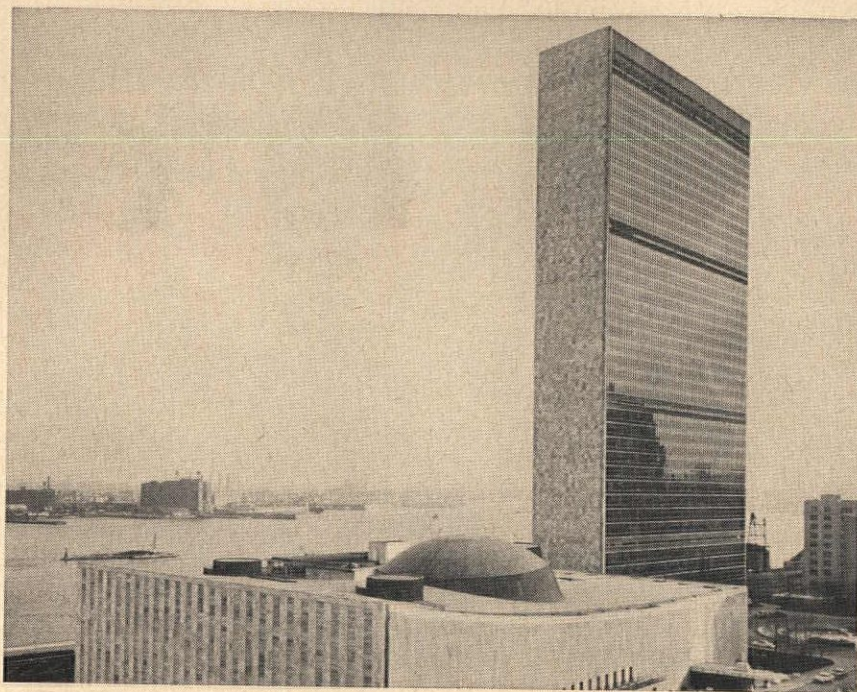
### Walnut Veneers

Booklet, 20-pages, pictures seven types of walnut veneer cuts, their grain and figure patterns, and their finishes. Cuts shown are flat sliced, half round, quartered, rotary, burl, crotch, and stumpwood. Also given are definitions and illustrations of these cuts and ways to specify them. Booklet is available at a cost of 50¢ per copy. American Walnut Manufacturers' Assn., 666 Lake Shore Drive, Chicago 11, Ill.

### Folding Wood Doors

Three types of folding doors are described in 8-page folder. (1) Wood panels, 3½" wide, for openings up to 30' wide and 10'-1" high include specially designed aluminum track that can be bent on custom radii with minimum radius of 18". Stainless, spring-steel clamp-connectors support intermediate panels. Vinyl extrusion hinge is silent, lightweight, and will not cause door to creep when left in inter-

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# Lighting News

at **SANDOZ PHARMACEUTICAL**  
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Epple & Seaman, Architects

Irving Mencher, Consulting Electrical Engineer

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Lobby and reception area lighting that is aesthetically pleasing and warm... yet is compatible with high-intensity exterior overhang lighting has been achieved for Sandoz by Epple & Seaman, architects, and Irving Mencher, consulting engineer, in collaboration with our representative, S. V. Keyian. Kliegl units were specially designed to meet both architectural and illumination requirements!



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mediate position. Plated stressed-steel caps give head strength. (2) Wood panels, 5½" wide, for openings up to 50'-4" wide and 14'-1" high. Clamp-on hanger of 14-gage steel has angle-stop that eliminates any possible strain on vinyl hinge and wood panels. Ball bearings in double steel races minimize friction. No pendent pulls are required. (3) Wood panels, 3½" wide, for openings up to 12' wide and 8'-1" high. Extruded aluminum track can be bent on curtain radii with minimum 12" radius. Specifications and details are included for all types. Wood Specialty Products, Inc., 24300 West 60th St., Mountlake Terrace, Wash.

On Free Data Card, Circle 216

### Office Furniture

Booklet, 28-pages, discusses wood office furniture. Many different styles of tables and desks, as well as chairs and



sofas using wood components, are presented in variety of veneers. Specifications and illustrations are given. Costa Mesa Furniture Co., 1040-P North Olive St., Anaheim, Calif.

On Free Data Card, Circle 217

### Fir Plywood Components

Several types of plywood construction elements are announced in a 12-page booklet entitled "Fir Plywood Components." Booklet discusses box beams, curved and flat stressed-skin panels, trusses, folded plates, delta structures, and components in combination. All these types of construction express the following characteristics: design freedom and aesthetic appeal, high strength and stiffness to weight ratios, smooth, easy-to-finish surfaces, uniform manufacture, efficient use of material, reduced transportation rates, rapid delivery, ease of handling and

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RADIATION DOORS, WOOD  
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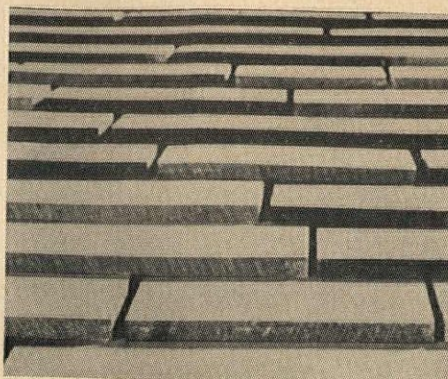


installation, reduced on-site labor costs, and resistance to rust and corrosion. Plywood Fabricator Service Inc., P.O. Box 7, Riverdale Station, Chicago 27, Ill.

*On Free Data Card, Circle 218*

### Cedar Shingles/Shakes

Red cedar shingles and sidewall shakes are described in 4-page manual.



Grades of shingles, shipping weights, roof coverage, application procedures, and specifications for both shingles and sidewall shakes are given. Charts for estimating proper exposure of shingles in relationship to roof pitch and for determining number of squares required for proper roof coverage are also included. Red Cedar Shingle News Bureau, 5510 White Bldg., Seattle 1, Wash.

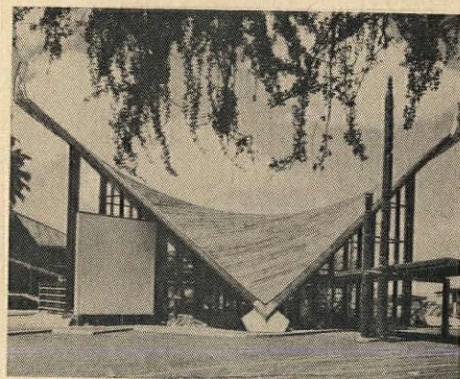
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### Standard for Glu-Lam Construction

Commercial Standard CS253-63, effective

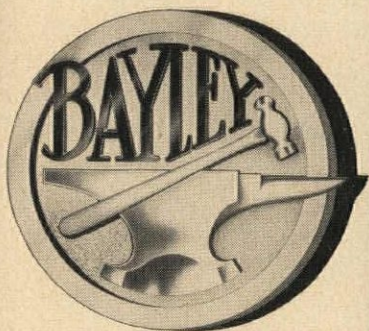
April 1, 1963, on structural glued laminated timber, has been introduced. The 24-page booklet contains information on purpose, scope, requirements, lumber types, adhesives, laminating, testing and inspection, quality control system, marking and certification, method of ordering, and definitions. (For additional discussion, see p. 162.) American Institute of Timber Construction, 1757 K St., N.W., Washington 6, D.C.

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### Redwood File

Architectural file on the uses and the



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applications of California redwood has been announced. File includes booklets that discuss redwood for residential, school, church, and commercial architecture. Other brochures show uses of redwood for siding, board-and-batten walls, tongue-and-groove walls, doors, paneling, ceilings, grillework, and acoustical paneling. Fastenings, finishes, and specifications, together with illustrations and details, are presented. California Redwood Assn., 576 Sacramento St., San Francisco 11, Calif.

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(End of Wood Data Listing)

## AIR/TEMPERATURE

### Vertical Pump

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### Hydronic/Electric Heating System

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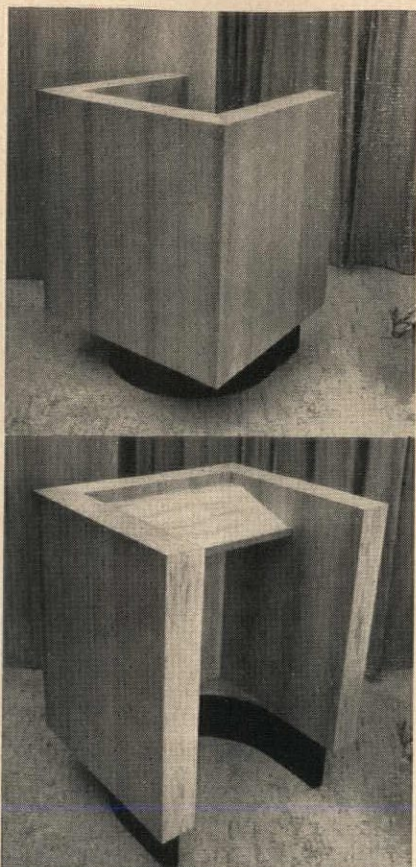
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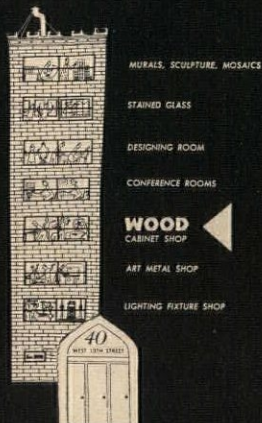




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## CONSTRUCTION



### Designing with Glass

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## INSULATION

### Adhesive/Coating Chart

Simplified adhesive and coating selection is the subject of 4-page folder. Coatings and lagging adhesives, adhesives for insulation, asphalt mastics, joint sealers, and finishes are charted as to color, permeability, fire resistance, chemical resistance, and specifications. Insul-Coustic Corp., 42-23 54 Rd., Maspeth 78, N. Y.

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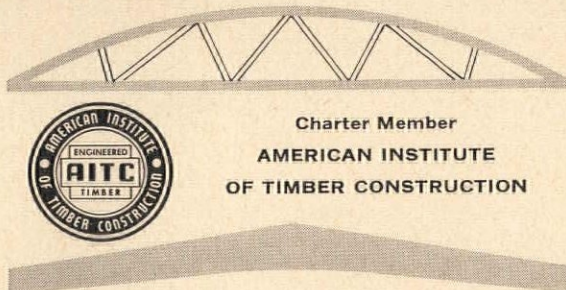
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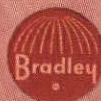
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