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THE ONLY MAGAZINE DEVOTED EXCLUSIVELY TO WESTERN ARCHITECTURE

FEBRUARY 1969





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Architecture/West

FEBRUARY 1969

VOLUME 75 NUMBER 2

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A/W News Highlights

Topics

Architects Suggest Commission on Building Industry



THORNTON LADD, JOHN KELSEY

A PRESIDENTIAL ADVISORY commission on the problems of America's building industry has been proposed to President Richard Nixon by Pasadena architects Thornton Ladd and John Kelsey. They noted that the building crisis "threatens to wreck our nation's economy and destroy its social progress."

Supporting their call for a presidential commission, the architects cited the December 1968 issue of *FORTUNE* magazine which said construction costs are expected to increase 62% between 1965 and 1972. "Unless a major overhaul of the building industry is implemented soon, the phrase 'low-cost housing' will be a contradiction of terms," Ladd & Kelsey said.

The architects suggested appointment of a commission comprised of experts from every field affected by the construction industry before the problems end up strangling the economic, social and esthetic development this nation has strived so long to provide. They attributed the building industry's plight to three major problem areas: spiralling production costs; weak and inconsistent contracting associations; and the short-sighted cupidity of the building trade unions.

The architects emphasized: "The consequences of continued inaction by the government in the building industry threatens to be devastating. It will produce a drag on our economy; it will mean the richest of all nations is incapable of meeting its most vital needs; it will deteriorate our social environment; it will inhibit our race relations; and it will destroy our esthetic environment." They stress that only a broadly based panel of experts will be able to solve the construction industry's plight.

Sunset Magazine-AIA Western Home Awards

THE SEVENTH BIENNIAL Western Home awards competition, co-sponsored by Sunset Magazine and the American Institute of Architects, is open to registered architects in the 13 Western states. Only houses completed since January 1, 1965, are eligible for entry.

Initial announcement of the competition will be sent to architects in February. Further information is available from: AIA-Sunset Magazine Western Home Awards Committee, Box 2345, Menlo Park, California 94025.

PCA Offers Scholarships for Fountainbleau Study

EIGHT SCHOLARSHIPS, for summer study at Fountainbleau School of Fine Arts in Paris, are being offered in the 1968-69 Portland Cement Association's Architectural Scholarship Awards program. The competition is open to full-time architectural students in their fourth year of study at schools that are members of the Association of Collegiate Schools of Architecture in the United States.

Entries, due March 14, must be designed to meet commercial, institutional, residential or religious needs and must be in concrete or other cement-using material such as concrete masonry, terrazzo or stucco.

Further information is available from the Portland Cement Association, Old Orchard Road, Skokie, Illinois or from any regional PCA office.

Architectural Practice Seminar March 14 in San Francisco

ARCHITECTS Gerald M. McCue, John O. Merrill Jr. and Walter H. Costa, management consultant Alf E. WeroLin and attorney Vernon L. Goodin will discuss profit planning, business development and promotion, project management and organization and legal problems during a full-day seminar on "Managing the Architectural Practice," March 14 at the Fairmont Hotel, San Francisco. The seminar is under the sponsorship of Continuing Education in Management, University of California Extension, Berkeley.

Registration fee is \$35. Further information may be obtained from the sponsoring agent at the University of California, Berkeley 94720.

Committee Named to Pick AIA Headquarters Architect

A COMMITTEE of eight architects has been named to work with chairman Max O. Urbahn, FAIA, in selecting an architect to design the AIA headquarters building. Designs for the headquarters submitted to the Fine Arts Commission in 1967 and 1968 by the architectural firm of Mitchell/Giurgola Associates, winners of a nationwide AIA competition, were rejected by the commission. The AIA accepted the resignation of the architects in September 1968.

Named to the committee are Rex W. Allen, FAIA, San Francisco; Edward Charles Bassett, San Francisco; Romaldo Giurgola, Philadelphia; G. Harold W. Haag, FAIA, Jenkintown, Pennsylvania; Morris Ketchum Jr., FAIA, New York; Willis N. Mills, FAIA, Stamford, Connecticut; I. M. Pei, FAIA, New York, and Philip Will Jr., FAIA, Chicago.

Symposium on Performing Arts Centers Scheduled

THE SPRING SERIES of "Theaters, Auditoriums and Concert Halls: the Effective Collaboration," a symposium for planners of performing arts centers is scheduled for March 14-15 at the Sheraton-Palace Hotel, San Francisco. Presented by the acoustics, illumination and theatre consulting staffs of Bolt, Beranek and Newman, Inc., the seminar will discuss the essential phases in construction of a performing arts complex from conception to completion.

Architectural Study Tour of Orient Leaves April 20

A 21-DAY ARCHITECTURAL study trip to The Orient is scheduled to depart from Seattle on April 20. Under the direction of Harrison Overturf, the trip will feature many points of architectural interest such as the Expo '70 site, a visit with local architects working with Osaka's housing project, and Kyoto's new International Conference Hall. The tour will include a four-day visit to Hong Kong. Special seminars and briefings have been planned as well as a comprehensive tour by motorcoach and rail.

Further information is available from: Architectural Study in the Orient, P.O. Box 334, Tacoma, Wash. 98401.

WESTERNERS NAMED 1969 AIA MEDALISTS



WURSTER

FOUR OF THE American Institute of Architects coveted medals will go to Westerners during the national convention in Chicago, June 22-26. The Gold Medal will be presented to William Wilson Wurster, FAIA, San Francisco, senior partner in the firm of Wurster, Bernardi & Emmons, Inc. This is the highest honor accorded by the 22,200-member professional society.

The Los Angeles firm of A. Quincy Jones, FAIA-Frederick E. Emmons, AIA, will be honored with the Architectural Firm Award given "wherein the continuing collaboration among individuals of the firm has been the principal force in consistently pro-



A. QUINCY JONES—FREDERICK EMMONS



SKILLING

ducing distinguished architecture."

John Skilling, Seattle, president of the consulting structural and civil engineering firm, Skilling, Helle, Christiansen, Robertson, is the recipient of the Allied Professions Medal. It is given in recognition of achievement in the design profession related to architecture, including landscape architecture, planning and engineering.

Los Angeles photographer Julius Shulman will be given the Architectural Photography medal. Given in recognition of outstanding achievement in architectural photography, no more than one may be awarded in a single year.



SHULMAN

\$25,000 Research, Fellowship Grant for Architecture

A GRANT of \$25,000 has been made by American Metal Climax, Inc., New York City, enabling the Association of Collegiate Schools of Architecture to re-establish a two-year fellowship for research and graduate study in architecture.

Charles B. Huizenga, president of the Kawneer Company, Inc., an AMAX subsidiary, said that the ACSA-AMAX Fellowship is intended to be in the area of architectural study devoted to the perception of new opportunities offered by industry for improvements in the construction or planning and design of buildings.

To be eligible, an applicant must be a U. S. citizen and have the equivalent of a bachelor's degree in architecture. The successful applicant will be given \$10,000 each year during the two-year period to cover living expenses and tuition at any one of the 87 ACSA institutions he may elect to attend. The remaining \$5,000 will be divided between ACSA and the cooperating school. The ACSA Committee on Research and Graduate Studies will make the award.

Closing date for applications is March 15, 1969. Applicants should write to ACSA Headquarters, 521 Eighteenth Street N.W., Washington, D.C. 20006 for further information and instructions.

Members of the Committee who will make the grant are: Burnham Kelly, Cornell University, chairman; C. Theodore Larson, FAIA, University of Michigan, co-chairman; Eric Pawley, University of Southern California; Bernard Spring, Princeton; Simon Van Der Ryn, University of California, and A. Richard Williams, University of Illinois.

Candlestick Park Expansion Authorized by Supervisors

CANDLESTICK PARK, San Francisco's controversial ball park, will be expanded. Anticipated plans for a new downtown stadium have been shelved and city supervisors have asked Stadium Inc., a nonprofit organization, to develop a new plan, similar to the expansion plan offered by architect John Bolles in 1967. The corporation estimates that it will cost \$16 million to expand and improve Candlestick.

Elect Anderson BART President

ARNOLD C. ANDERSON, Castro Valley, has been elected president of the Bay Area Rapid Transit District. He has been a member of the BART board since 1957. Elected vice president was William Reedy, San Francisco, who has been a director since 1964.

Seattle, Anchorage Commissions Appointed for Design, Beauty

A "FIRST" for the City of Seattle, and, indeed for cities throughout the nation, is the Design Commission recently appointed by Mayor J. D. Braman. It follows closely the creation of an Urban Beautification Commission for the City of Anchorage, chaired by architect Lucian Cassetta of that city.

The Seattle Design Commission is charged with the responsibility of recommending designers or design teams for all above-grade city improvements, and with the review of all city capital improvement projects. The Anchorage Commission is empowered to review construction drawings for all city projects, and to set up positive standards for beautification programs, look into new projects and to encourage the people of Anchorage to look to the beauty of their city.

The seven-member Seattle Design Commission has been set up to meet at least one full day each month. They are paid \$25 an hour with a maximum of \$200 a day, in addition to travel costs. The City Council appropriated \$45,000 to underwrite the initial costs of commission activities with the costs to be charged against individual projects.

Commission members are: Marvin Durning, Seattle, attorney and conservationist, chairman; Robert P. Perron, Portland, landscape architect; A. O. Bumgardner, Seattle, architect and consulting editor of *Architecture/West*; Ibsen Nelsen, Seattle, architect; Jack Lyerla, Spokane, consulting engineer; Arvid Grant, Olympia, consulting engineer; Gerald W. Sutton-Brown, Vancouver, British Columbia, engineer and planner.

Oldenkamp Elected

JOHN OLDENKAMP, San Diego photographer, has been elected president of the National Society of Communicative Arts, formerly the Art Directors Club of San Diego.

Paints, Coatings Short Course Offered by U. of M.-Rolla

SHORT COURSES in paints and coatings will be offered at the University of Missouri-Rolla this summer. A fundamental paint course will be held July 7-11; advanced paint refresher course, July 14-18; and a coatings course for architects, painting contractors and maintenance engineers, July 28-Aug. 1. Fee for each course is \$70. Further information is available from Dr. Wouter Bosch, University of Missouri-Rolla, Rolla, Missouri 65401.

Five-Week Seminar on Construction Documents

THE "LEGAL ASPECTS of Construction Documents" or "What to do Until Your Attorney Arrives," will be the subject of a weekly seminar series sponsored by the Puget Sound Chapter, Construction Specifications Institute, in cooperation with the College of Architecture and Urban Planning at the University of Washington. The five week program will begin on April 7.

Further information may be had from the Office of Short Courses and Conferences, 336 Lewis Hall, University of Washington, Seattle 98105.

O'Neill to Chairman Conference

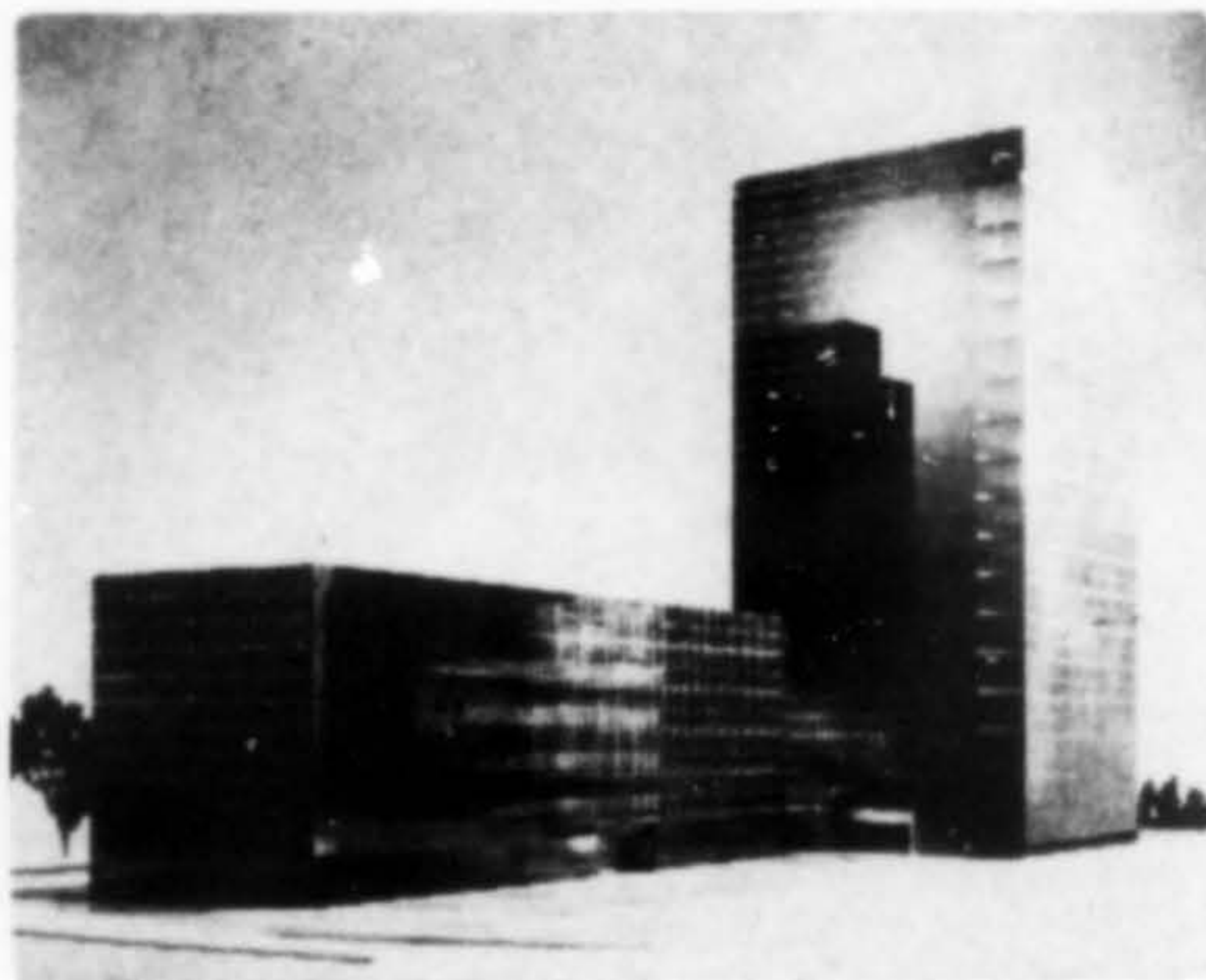
RICHARD W. O'NEILL, editor of *House and Home* magazine, has been named program chairman for the Eleventh Annual Pacific Coast Builders Conference, to be held June 4-6 in San Francisco.

Garden Named for Dailey

A GARDEN adjacent to the new Helen Russell Memorial Library in the Strybing Arboretum at San Francisco's Golden Gate Park will be named after the late San Francisco architect Gardner A. Dailey, who designed the library.

Century City Medical Plaza Cited by Portland Cement

CENTURY CITY Medical Plaza in the Los Angeles area, has earned special recognition from the Portland Cement Association. The building, designed by Daniel, Mann, Johnson & Menden-

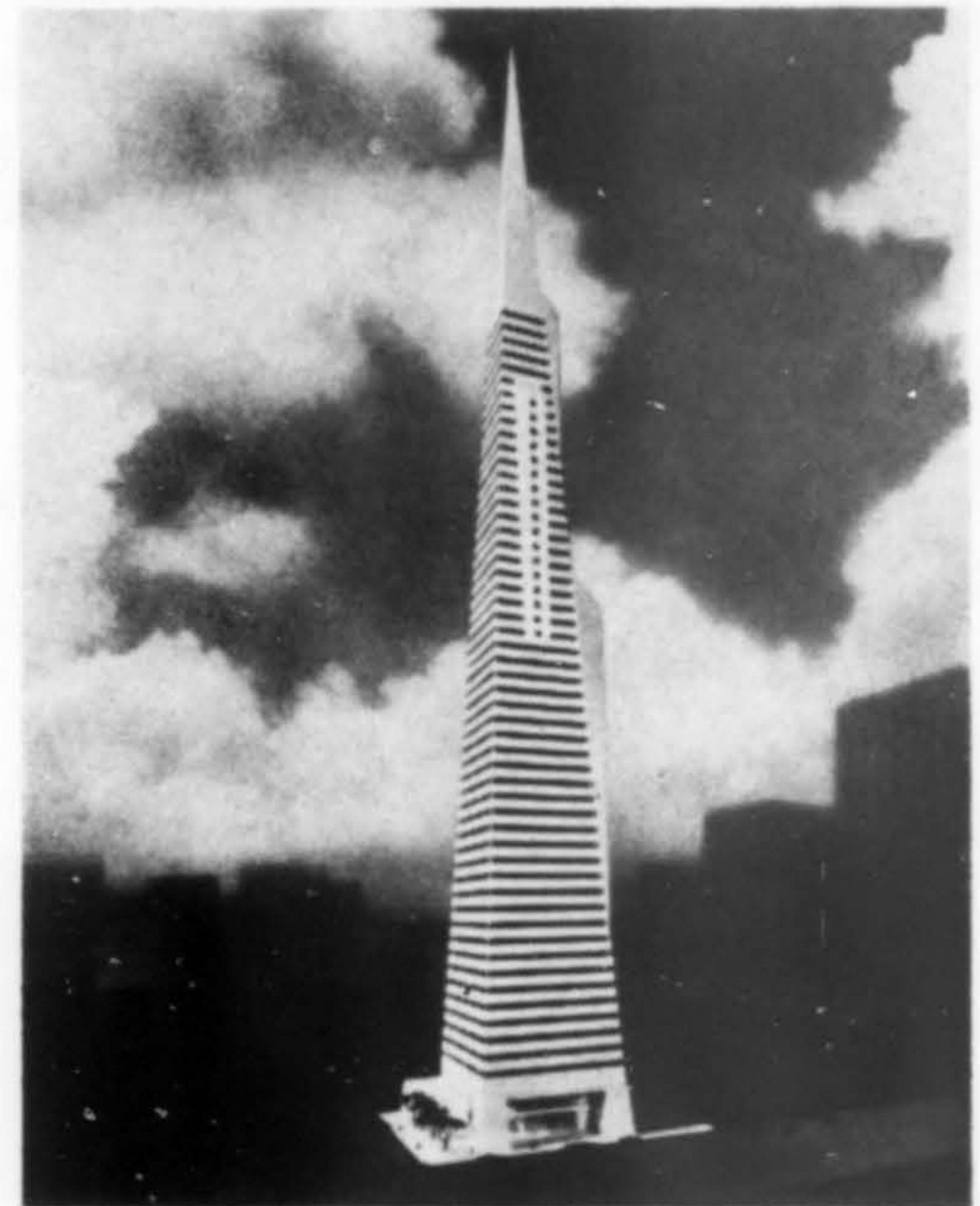


hall, was the first high-rise building designed and the second constructed of reinforced concrete under the revised Los Angeles Building Code passed in late 1966.

Warren G. Burres, Pacific Southwest Regional Manager, presented the special awards to the architect; the Wilsen Construction and Development Company, developers and owners; the William J. Moran Company, general contractor, and to Century City officials.

Pereira Designs Pyramid Building for Transamerica

WILLIAM L. PEREIRA & Associates have designed a 1,000-ft. high pyramidal office building to be built in San Francisco's financial district for the Transamerica Corporation. The 55-story



structure, topped by a slender, pointed spire, will be the world headquarters building for the San Francisco-based firm.

The building, to be finished in white aggregate, will rise from a landscaped esplanade at the intersection of Montgomery and Washington Streets. Floors will diminish in size, from 130-ft. square at the base, to 40-ft. square on the 55th floor. Construction of the project, estimated at \$30 million, is scheduled to begin in late 1969 with Dinwiddie Construction Company as general contractor. Completion is set for spring of 1972.

Herman Miller Sponsors West Coast Office Seminars

A SERIES of seminars on "The Office and the Human Performer," scheduled for West Coast executives, will be held in Los Angeles from February 17-21. The series of four-hour programs, sponsored by Herman Miller Inc., manufacturers of furniture systems, will explore charting communications in the organization structure, employee psychological stimuli, acoustics and open plan architecture, and change facilities in a dynamic corporation.

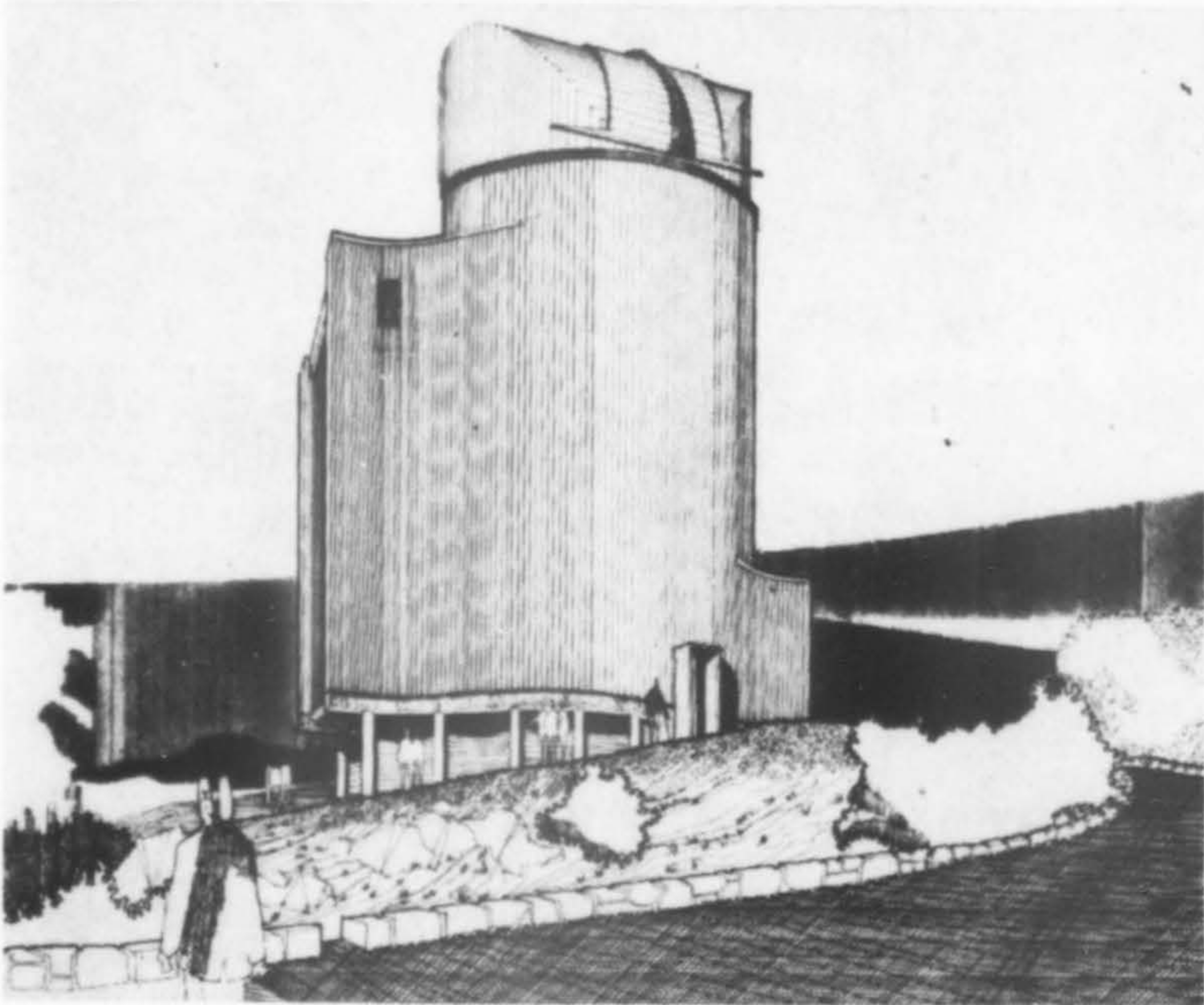
Richard Sheldon, Herman Miller's Western regional sales manager, said that there would be no charge for the seminar but that sessions will be limited to 75 persons.

An educational facility, expressly for the seminars, has been set up on the 6th floor of the International Design Center, 8899 Beverly Boulevard, Los Angeles.

ABC Plans \$20 Million Center at Century City

PLANS FOR CONSTRUCTION of a \$20 million entertainment center at Century City, California, have been announced by the American Broadcasting Company, Inc. Design by Henry George Greene of New York City proposes two buildings on a four-and-one-half acre site, housing a 2,000-seat legitimate theater in one, two cinema theaters, seating 800 and 1,500 respectively, in the other. The center will be built over a 2,300-car parking garage. Opening is scheduled for Christmas 1970.

Kitt Peak Optical Telescope Is Housed in Metal Giant Near Tucson



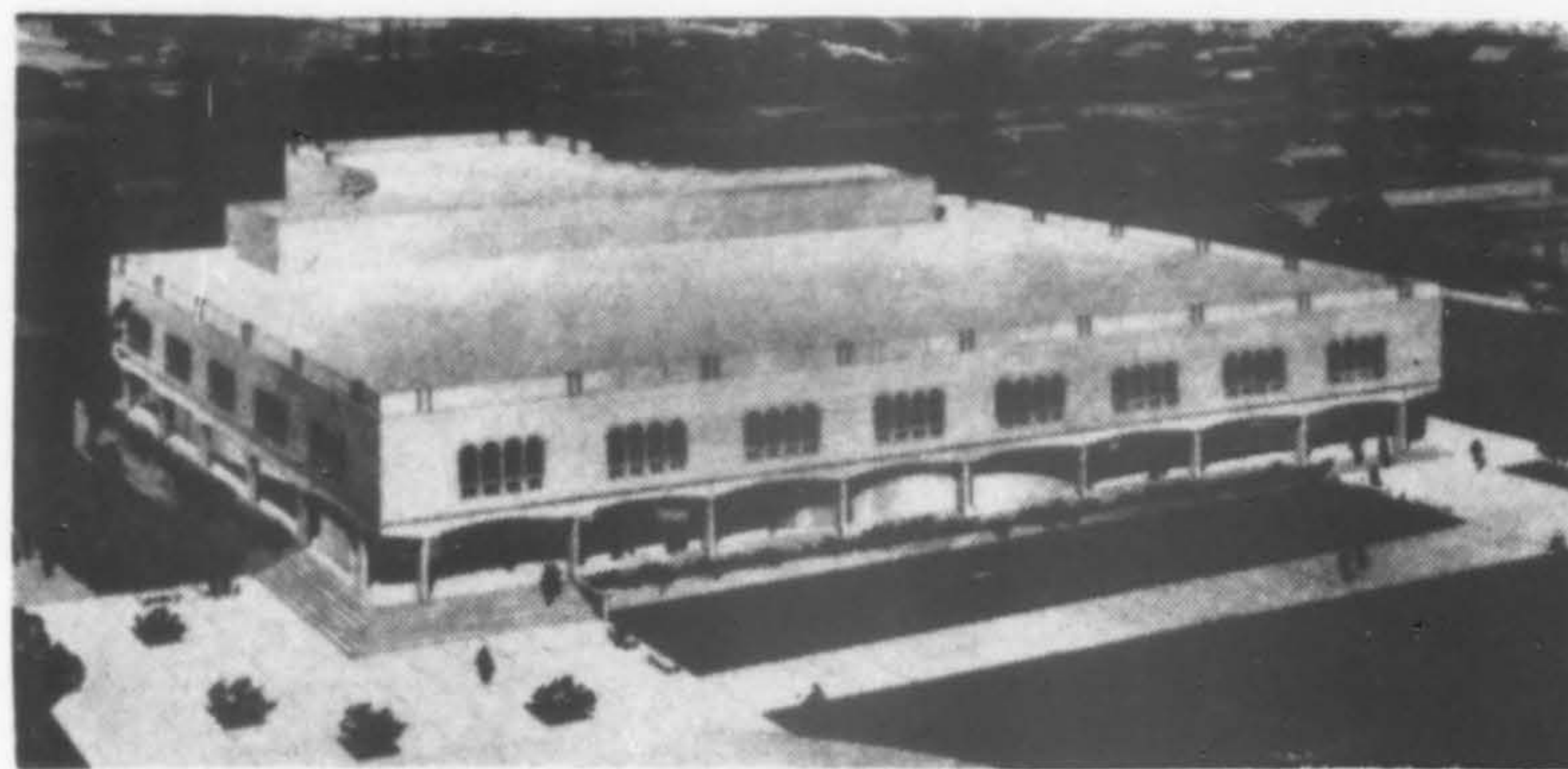
THE NEW 90-INCH optical telescope of Steward Observatory of the University of Arizona is situated on Kitt Peak, directly below the summit and adjacent to the University's existing 36-inch telescope. The new unit is at an altitude of 8500-feet and sits on land leased on the Papago Reservation from National Science Foundation's Kitt Peak in the Quinlan Mountains, approximately one-and-one-half hours from Tucson, Arizona. Because of ground heat, the telescope rests on an elevated pier well above the foundation of the building to prevent sensitive vibrations. A double wall of steel with airspace as insulation was used for the circular building. The dome is also steel and on clear nights it is opened for observation. The cylindrical type dome is a bi-parting shutter type opening (14-foot aperture), one of the first large domes of this type. Everything above ground is metal sheathed in a metal skin. The observing floor is insulated with inclined panes of glass which permit complete visibility of telescope and dome. The second and third levels of the building house the Coude spectrograph and dark room facilities. Crane hooks within the building made it possible to place the telescope and spectrograph in position by bringing sections through 12x15-foot hatch doors on the lower level. The telescope was designed by architect William Wilde and his associate, Dennis Brizee.

Post Office to Build Self-Service Units

THE POST OFFICE Department has contracted to build 50 self-service, drive-in type of postal units with aluminum exteriors in shopping centers across the nation. O'Flaherty Construction Company of Englewood, Colorado, has been awarded the manufacturing contract for the units. Reynolds metals Company will supply the aluminum sheet. Units will be the traditional red, white and blue.

Colorado School of Mines Center Assured

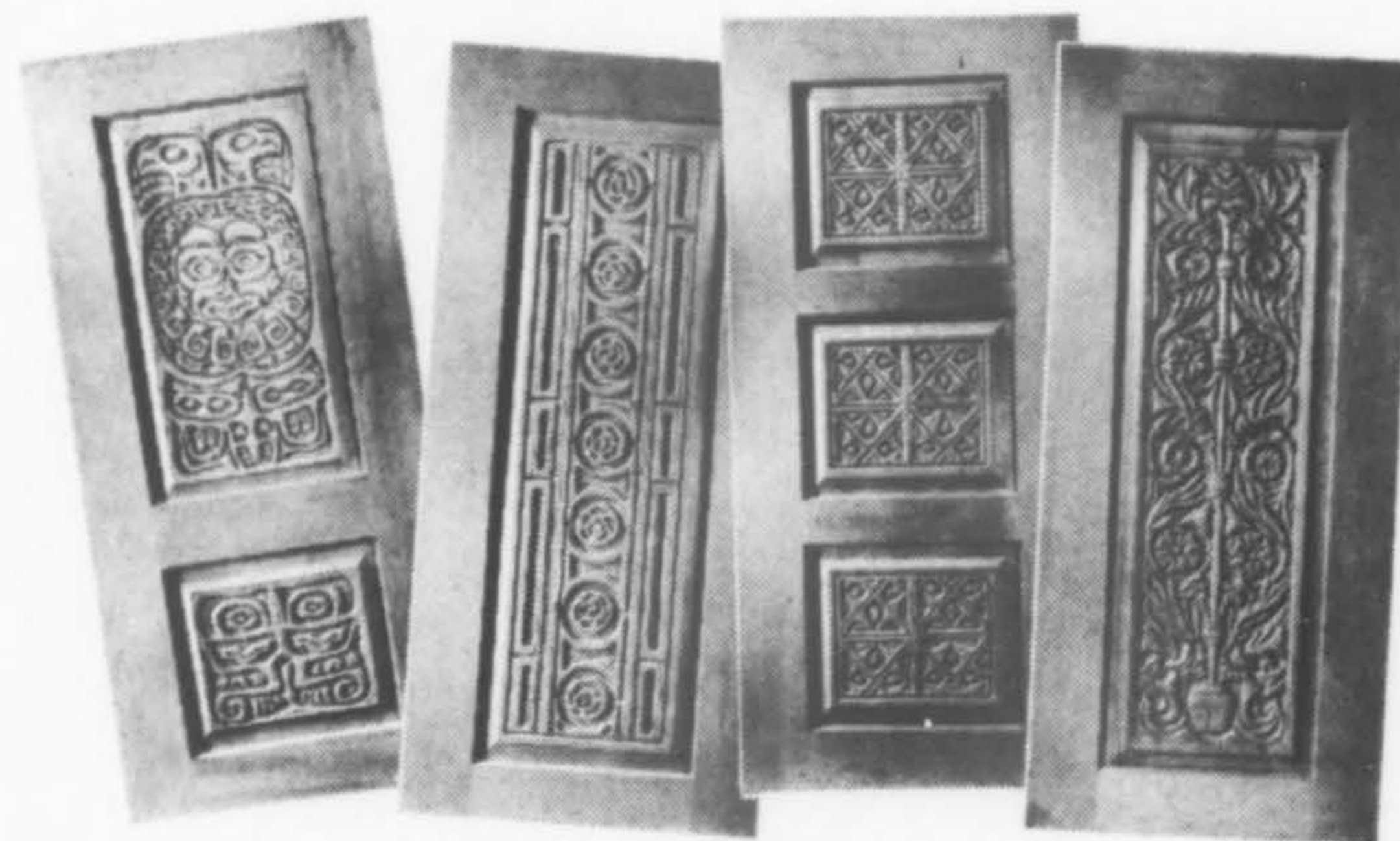
A \$1.4 MILLION donation from the Green Foundation has assured construction of the Graduate and Professional Center of the Colorado School of Mines at Golden. Funds from other sources have rounded out the \$3.0 million



needed to build the long-sought center, part of the increased emphasis on professional development and research. Architectural and engineering design is by The Ken R. White Company and Donald L. Preszler, Architect, Denver.

Denver Joins Apartment Boom

DENVER has joined the cities with a boom in apartment construction. In December and January, building permits totaling in excess of \$10 million were issued for construction of 1859 units. The January 1969 comparison with a year ago, before the boom began, looked like this: 35 permits for 909 units, valuation of \$4.5 million, as opposed to a January 1969, 4 permits for 185 units with a valuation of \$1.0 million.



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Foldcrete, a New Construction Process

THE SAN FRANCISCO architect-builder team of Delp W. Johnson and William C. Harr has developed what both call a "revolutionary new construction technique," a patented process called "Foldcrete." The process is said to eliminate the expense of shoring and forming, offers cost advantages of prefabrication, and eliminates need for transportation of precast units from factory to job sites. As explained by the developers, the system permits precasting of components of walls and floors in a flat position on the site. A series may be recast on top of each other. Units are cast with hinged element between components so that, when lifted into position by crane, sections of the unit fold down to assume a closed or completed structure.

San Andreas Fault Movements Measured

THE CALIFORNIA Department of Conservation has launched a program for measurement of movements along the San Andreas fault and several other major earthquake generating breaks that may prove to be of prime importance to builders and those connected with the building industry. It is hoped that this program may lead to reasonably accurate earthquake predictions. An earlier program, conducted as a part of the State Water Project from 1959 through June 1968 by the California Department of Water Resources, led to important information, according to earth scientists.

Laboratory of the Year



BATTELLE MEMORIAL Institute's \$3.4 million research complex in Richland, Washington, designed by Naramore, Bain, Brady & Johanson, Seattle, was chosen Laboratory of the Year in a nationwide competition sponsored by Industrial Research magazine.

Prefabricated Frame Houses for Alaska

PREFABRICATED FRAME houses designed to protect the occupants against 180 mile per hour winds and temperatures to 65 degrees below zero are being built by Advanced Products Development Company at Ephrata, Washington, for shipment to Alaska. They are destined for use in the oil industry areas of Alaska's North Slope as homes for the workers. The buildings are constructed from 4'x8' panels of polystyrene foam surrounded by plywood or sheathing on the outside and gypsum board on the inside. Almost any finish can be applied to the exterior.

Dillingham to Build \$50 Million Hotel

THE DILLINGHAM CORPORATION, Honolulu-headquartered, has announced plans for a \$50 million high-rise hotel in



the Bunker Hill redevelopment area of Los Angeles. Designed by architects Robert E. Alexander, FAIA, & Associates, the hotel will have 1,000 rooms, a 2,000 capacity ball-room, seven specialty restaurants, approximately 20 exclusive shops and other features. Two acres of landscaped areas are planned with linking pedestrian plazas to tie the hotel to the

neighboring high-rise office and commercial developments on Bunker Hill.

BART Route Land Values to Soar?

PREDICTIONS are that values of land along Bay Area Rapid Transit routes will probably soar to ten times present value if what happened when Toronto, Canada, completed its system is any indication. The comment was made by Warren Heenan, past president of the Toronto Real Estate Board.

Neighborhood Development Aid For Los Angeles

WITH THE APPROVAL of a \$15 million loan and grant package, Los Angeles has become one of the first cities to receive funds under the new Neighborhood Development Program, approved last year. The Department of Housing and Urban Development provides \$8.1 million in loans and \$5.63 million in capital grants. The money will be used by the Community Redevelopment Agency for urban renewal and rehabilitation in the Vernon-Central, Pico-Union, Central City East, Little Tokyo, Normandie and Beacon Street areas. It will not affect any urban renewal projects now under way (Watts, Bunker Hill, etc.).

Shriners Hospital at San Francisco Expanded



UNDER CONSTRUCTION is a multi-million dollar San Francisco unit of the Shriners Hospital for Crippled Children. It will increase the capacity to 66 beds. The design retains some of the image of the existing building with the use of tile roof, brick walls and arches of the new facade. Structurally, the hospital is composite concrete and steel frame, designed to meet earthquake requirements of state and city codes. The cornerstone of the existing building, laid in 1922, will be removed and re-dedicated with a new inscription and date on June 1, this year. Architect is Milton T. Pflueger; Williams and Burrows are general contractors.

Preview

Portland Auditorium Forecourt to be Another "People Park"

ANOTHER "PEOPLE" PARK is in the planning for Portland. Lawrence Halprin & Associates have designed the forecourt at the Civic Auditorium as a "people oriented" break from the bustle of the nearby city routine with the surrounding busy streets.

The Halprin firm, who designed the Lovejoy fountain, adjacent to the auditorium, sought to create an area compatible but not competitive with the fountain. The problem was solved by a sculptured terrace-garden which complements the auditorium and, at the same time, serves as a "play" area where people can escape for a few minutes, the bustle of the city. The forecourt consists of two parts. On the upper level rivulets thread their way down through a maze of rock-like concrete tiers until, supplemented by additional water, they cascade down 10 to 16-ft. in a massive waterfall, 8-ft. across. This curtain of water forms the backdrop for the lower level, the amphitheater. From the steps of the auditorium the viewer looks across to a sculptured park, framed in green. As he moves across the street, he descends the broad steps, 8 to 10-ft. below street level, to the amphitheater, 100-ft. wide.

The amphitheater complements the auditorium by offering a stage where outdoor events can be held or where people can congregate before performances or during intermission. Seating is provided by the terraces and the steps. By sinking the amphitheater, the passing traffic is screened from view and the 10,000 gallon of water pouring over the falls each minute, drowns the traffic sounds. During performances, the sound can be reduced by controlling the flow of water.

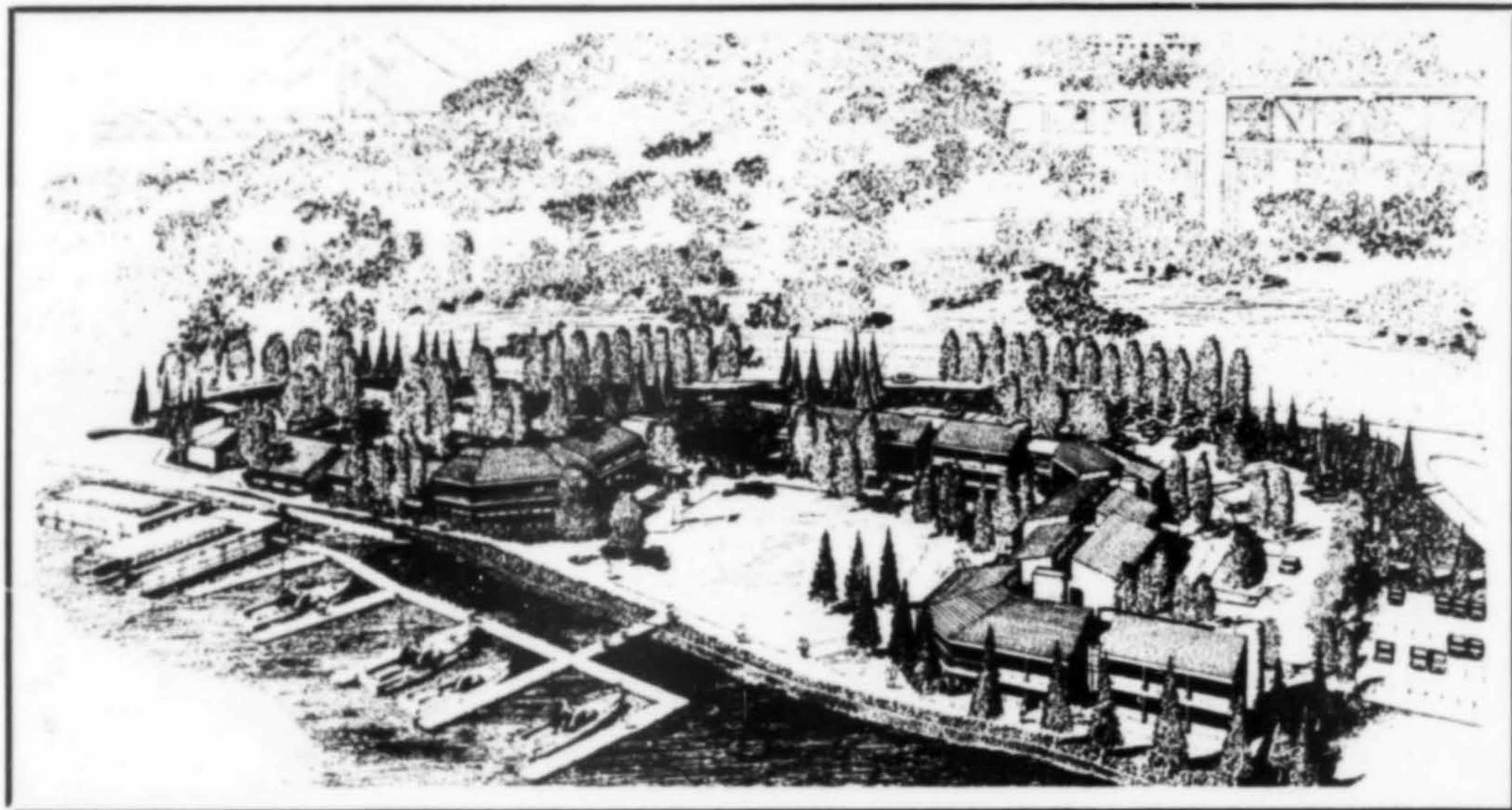


Jeremiah Bragstad photos



Preview

ST. ELIZABETH HOSPITAL, Baker, Oregon, will be a one-story tilt-up concrete building, accommodating 50 beds. It will replace the existing hospital. Estimated cost: \$1.2 million. Architects: Travers/Johnston.

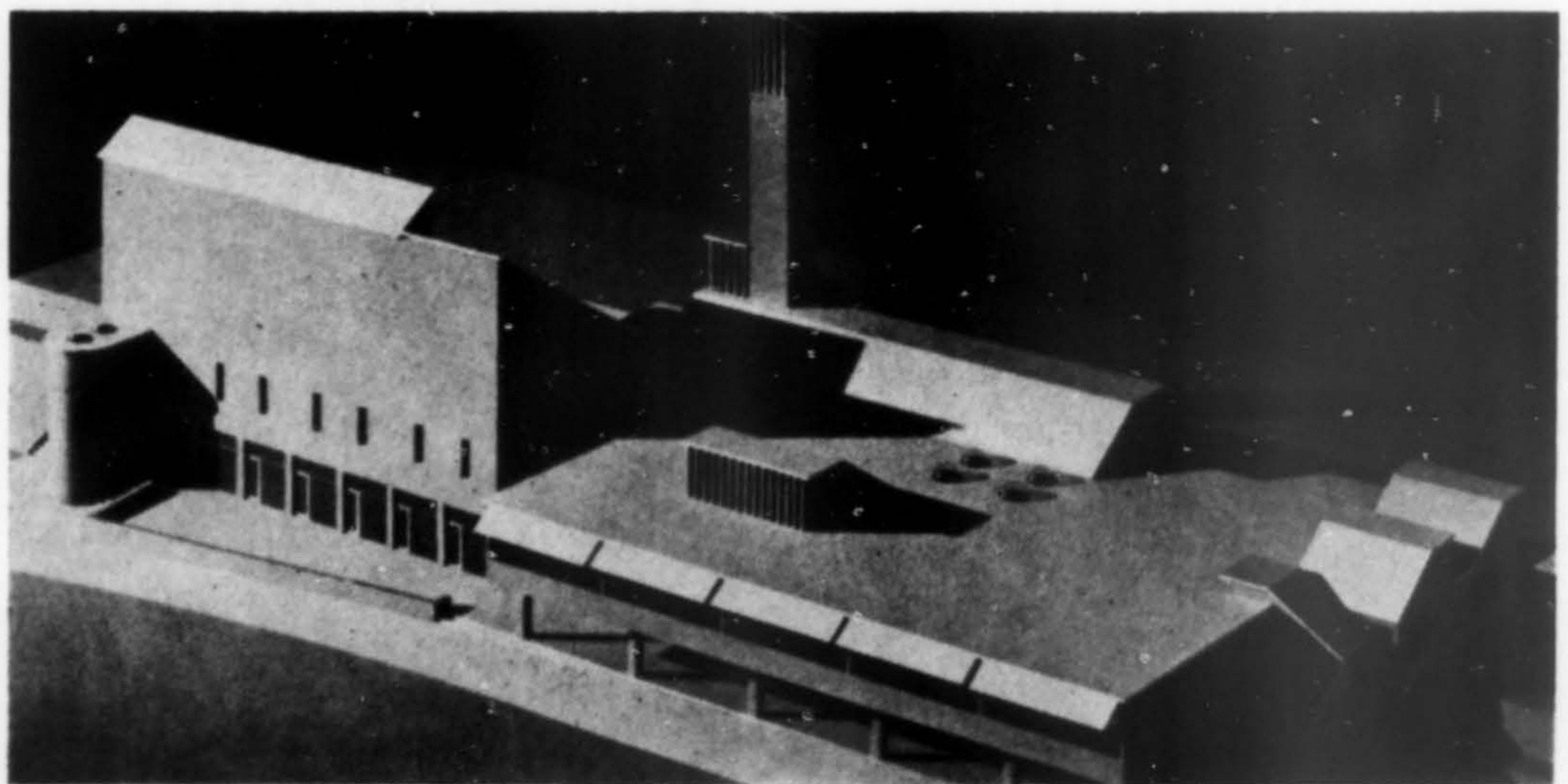


U. S. COAST GUARD facilities, Yerba Buena Island in San Francisco Bay, will have an unusual apartment-like concept of barracks for enlisted men, day quarters for officers and mess facilities. The complex will also provide offices. The entire base will be built of pre-cast white concrete masonry with pre-cast spandrel beams, rust-colored concrete roof tiles. Estimated cost: \$1.3 million. Architects: Rockrise & Watson, AIA.



EQUITABLE SAVINGS & LOAN building, Long Beach, California, features brick bearing walls with massive brick piers, steel girders and integrating board formed exposed concrete fascia and lintel beams. Exterior walls are penetrated at 45° angles to form a series of openings two stories high. Architect: Daniel L. Dworsky, FAIA, & Associates. Contractor: Millie & Severson.

CHAPEL-LIBRARY BUILDING for The Charles Wright Academy, Tacoma, Washington is third phase in master plan. Project will be built in stages with the first increment estimated to cost \$300,000. Building will also include administration offices, student meeting rooms and a cafeteria on the ground level under the chapel. Architect: Alan Liddle.





RESIDENCE HALLS at the University of New Mexico, Albuquerque, will be complete and separate entities from the surrounding houses in the complex. The groups will not connect but will surround a central courtyard with a commons building housing kitchen and dining facilities adjacent to the halls. Completion: fall of 1969. Cost: \$2.97 million. Architect: William W. Ellison & Associates; contractor: Lembke Construction Co.

HEADQUARTERS OFFICE BUILDING for Morrison-Knudsen Co., Inc., Boise, Idaho, will be five stories with a full basement and provision for an additional two stories as needed. The new building, occupying an eight-acre site, will rise from a raised plaza with a four-story inner court. The building will be basically a reinforced concrete structure with vertical exterior columns faced with gray brick. Architect: Wayland, Cline & Smull.



*Kuehnoel's
Spindrift Restaurant
Seattle, Washington
Architects:
Richard Bouillon & Co.*

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Huntington Intercommunity Hospital goes all-electric too.

If you must get sick, it's nice to have a private room. In the Huntington Beach area you can. There are no wards at the new Huntington Intercommunity Hospital. Over 80% of the rooms have only one bed. The

rest have two. The single-bed concept is the modern approach. So is going all-electric.

Take the electric air-conditioning system. While cooling the air, the compressors give off heat. Rather

than being exhausted outside, the heat is recovered to warm the rooms and water. Result: operating costs drop.

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costs substantially. Electric heat and air-conditioning systems can cut installation costs 30% to 50%.

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Architects on the Huntington Intercommunity Hospital project were Rochlin & Baran, A.I.A. Mechanical Engineer was John Kerr & Associates. C. L. Peck and Millie & Severson served as joint contractors.

The project now joins hundreds of case histories in Edison files of all-electric buildings in our fourteen-county service area.

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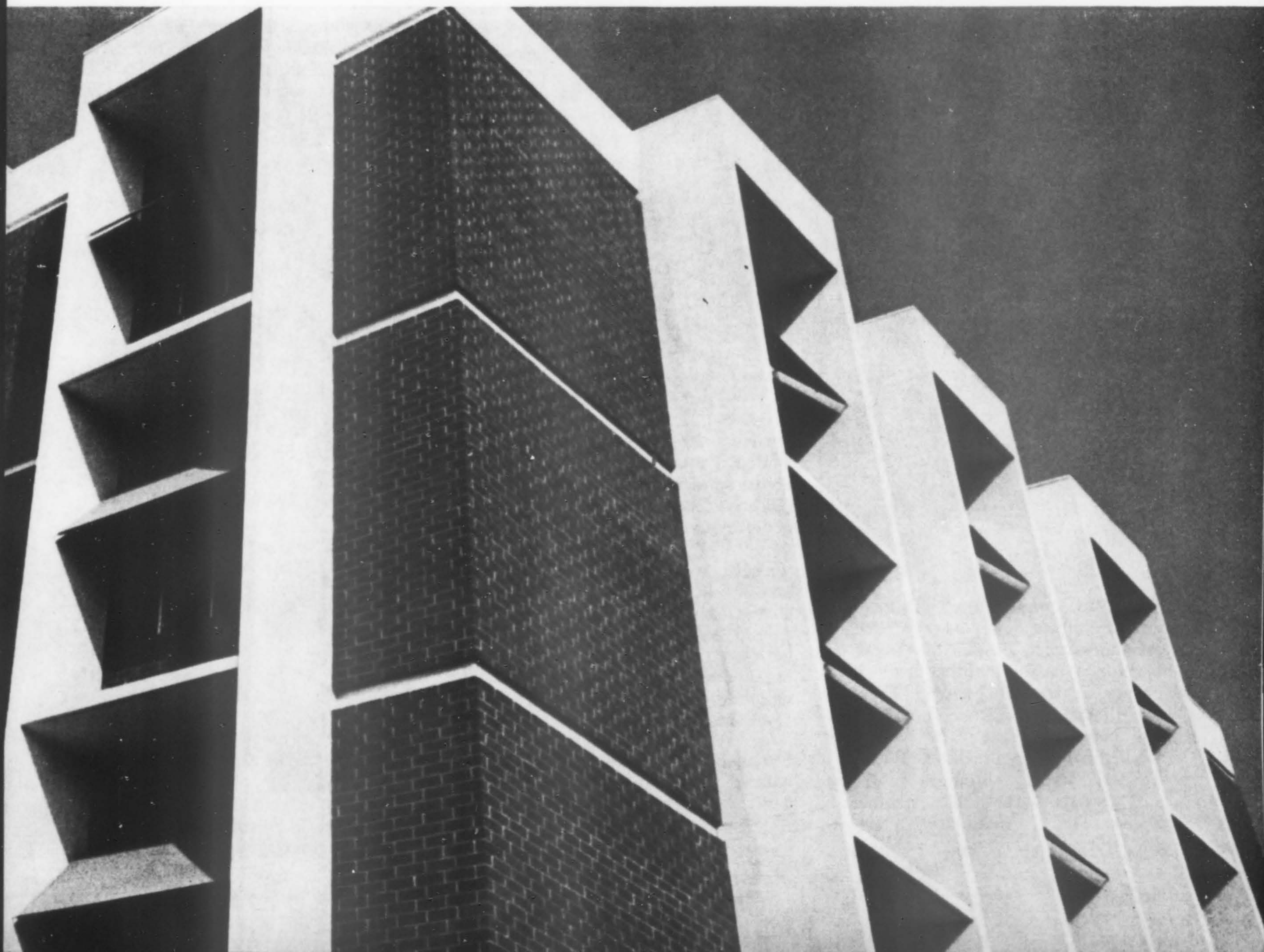
ment will be glad to show you how to apply the all-electric concept to your project and how you can save money and save space. They can also work with you to provide cost and operating information for lighting, heating, air-conditioning, water heating and food preparation.

Write: Marketing Engineering Department, P. O. Box 62, Terminal Annex, Los Angeles, Calif. 90051.

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Offices

EUGENE H. PERRY has opened an office for the practice of architecture at Room 43, 559 Pacific Avenue, San Francisco. He was formerly associated with the San Francisco offices of Karl Treffinger & Associates and Clement Chen & Associates.

VAROJ G. ZAROOKIAN announces the formation of his own architectural firm at 427 West 5th St., Los Angeles. He was formerly associated with the firms of Joseph & Joseph; Whiting-Thompson and H. C. Chambers & Company.

JAMES HOWELL announces the opening of an office for the practice of architecture at 506 N.E. Alberta St., Portland, Oregon. He was formerly on the staff of Broome, Selig & Oringdulph.

The OFFICE OF CHARLES COLBURN, Architect, Portland, announces the formation of a partnership with GEORGE C. SHELDON, Architect. The new office will be known as the OFFICE OF ARCHITECTS CHARLES COLBURN & GEORGE SHELDON, and will be located at 107 N.W. Fifth Avenue, Portland.

Two Spokane, Washington architectural firms announce a merger: the offices of E. NORMAN SYLVESTER and of DARREL C. STEBBINS will now be known as STEBBINS/SYLVESTER ASSOCIATES, Architects. Offices will be in the Old National Bank Building, Spokane. Stebbins has had his own firm since 1962, Sylvester since 1963.



FISHER, WALLIN, LONG

The architectural firm of FISHER-WALLIN, Architects, Lake Oswego, Oregon, announces that HAROLD G. LONG has become a partner in the firm with a change in name to FISHER, WALLIN & LONG, Architects-Planners. Long, who has been with the firm two years, worked with Frank Lloyd Wright at Taliesin, Junzo Yoshimura in Tokyo and was two years city planner of Dallas, Texas. Offices are at 200 N. State Street.

The firm of CARTMELL-MILLER-ASSOCIATES, Architects, AIA, has been established by WILLIAM H. CARTMELL, formerly of the firm of Cartmell & Rossman, Architects, and L. DON MILLER, formerly of the firm of Pierson & Miller, Architects. Both were Phoenix, Arizona firms that were discontinued. The new partnership is located at 1439 North First Street, Phoenix. RALPH T. FITZMAURICE, JR., is an associate with the firm.

JIM D. MORELAN has opened an office for the practice of architecture at 41 East Main Street, Los Gatos, California. He was formerly associated with Frank W. Laulainen, AIA, Architects and Planning Consultants, in the same city.

JOHN P. WALSH JR., RICHARD BLANCHARD and EDWARD A. KRAJCAR announce their association in the firm of WALSH, BLANCHARD & KRAJCAR, Architects, AIA, with offices at 1371 Post Street, San Francisco. Walsh and Krajcar were formerly associated with Falk & Booth and Corwin Booth & Associated Architects, San Francisco. Blanchard formerly had his own practice at 71 Toledo Way, San Francisco.

JAMES HARRIS and WILLIAM REED, partners in the Tacoma, Washington architectural firm of Harris & Reed, announce a change in name to HARRIS, REED & LITZENBERGER with the promotion of THEODORE W. LITZENBERGER to full partnership. Offices of the firm, formed in 1960, are at 1516 S. 11th.



LITZENBERGER to full partnership. Offices of the firm, formed in 1960, are at 1516 S. 11th.

Portland architects ELIZABETH and BRUCE KINNE have retired from the active practice of architecture. The office of Dukehart & Kinne was officially closed January 1, 1969.

The Los Angeles architectural-engineering firm of BURKE, KOBER, NICHOLAIS & ARCHULETA has named JON ADAMS JERDE to the new position of director of design. Prior to forming his own architectural firm of Jerde/Bleser, he was a designer with architect Daniel Dworsky.

FREDERICK E. WAGNER has been appointed director of urban planning for CHARLES LUCKMAN ASSOCIATES, Los Angeles-based architectural firm. He has been with the company since 1959.



FORREST, ZAGARS, NIEMI

Two long-time employees of LINN A. FORREST ARCHITECTS, AIA, Juneau, Alaska, have been made full partners of the firm: DONALD E. NIEMI and RICHARD A. ZAGARS, C.E. They join partners DICK and STEVE FORREST with the founding partner, LINN A. FORREST, Sr.

FRANK L. HOPE & ASSOCIATES, San Diego architectural firm, has acquired a controlling interest in CROSBY-THORNTON-HILL ASSOCIATES, San Francisco architects and planners. James B. Hill, president of the San Francisco firm, Donald A. Crosby and J. M. Thornton have retained interest in the firm they established in 1965.

GLENN CARR/ARCHITECT has recently opened an office for the practice of architecture and planning at 516 S.E. Morrison Street, Portland, Oregon.

MITCHELL AND MCARTHUR, Landscape Architects, Site and Community Planners of Eugene, Oregon, have opened a Portland office at 905 N.W. 20th. ROBERT S. GARDNER, just named partner in the firm, will be in charge of the Portland office. KENNETH O'KANE, an urban planner with the firm, has also been named a partner in the Eugene office.

CHAFFEE-ZUMWALT & ASSOCIATES, Landscape Architects in Tacoma, Washington since 1956, announce the opening of a Seattle office at 1020 E. John Street. THOMAS L. BERGER has been named manager of the new office.

KIRK, WALLACE, MCKINLEY, AIA & Associates, Seattle, announce that MICHAEL D. MAHER has been made an associate. He has been with the firm since 1964, and joins six other associates: Morris R. Jellison, Robert L. Terrell, Edward M. Williamson, J. Frank Carroll, Keith A. Jacobson and Boyce R. Penninger.



MAHER

MAHER has been made an associate. He has been with the firm since 1964, and joins six other associates: Morris R. Jellison, Robert L. Terrell, Edward M. Williamson, J. Frank Carroll, Keith A. Jacobson and Boyce R. Penninger.

JAN C. SMEKENS has been appointed senior associate and ROGER A. YOUNGS, RICHARD A. DREVER, JR., and J. PHILIP



SMEKENS

GAUNT have been named project architects in the architectural firm of REX WHITAKER ALLEN & ASSOCIATES, San Francisco. In other changes in the firm, DAVID F. MAURIER, CSI, has been named production coordinator; EUGENE KODANI, director of drafting; SONIA WIBERG, director of office services and MAUD HALLIN, public information coordinator.

Nichols, Ostrander & Smith, Covina, California architects, have elected JACK EDWARD CRESSMAN as a principal with a change in name to NICHOLS, OSTRANDER, CRESSMAN. Offices are at 631 South Eremland Drive, Covina, and 477 Poplar Street, Laguna Beach.

HARMON, PRAY & DETRICH, Seattle architectural-engineering firm, announce the appointment of two associates: VAGHN ANDERSON, architect, who joined the firm in 1955, and ROBERT M. JOHNSON, engineer, a member of the firm since 1954.



TANAKA, SMITH

Architect GOODWIN B. STEINBERG, San Jose, announces the advancement of two long-time employees, RICHARD K. TANAKA JR. and DAVID G. SMITH, as associates and principals in the firm which will now be known as GOODWIN B. STEINBERG ASSOCIATES-ARCHITECTS. Tanaka joined the firm in 1957, Smith in 1956. Offices are at 90 East Gish Road, San Jose.

Two Sacramento structural engineering firms announce their merger: Buehler & Buehler and Cole & Yee. The firm will be known as BUEHLER, COLE & YEE. Offices will be maintained at the Buehler location, 718 Alhambra Boulevard. Principals are Walter A. Buehler, Walter D. Buehler, Eugene E. Cole and Jimmie R. Yee. Carl Schubert, civil engineer, is a principal in the new firm.

NEILL SMITH AND ASSOCIATES, architects and planning consultants, San Francisco, have appointed CLIFFORD HANSEN as an associate in the firm.

CHARLES W. STANTON has been named executive director of WILLIAM PEREIRA & ASSOCIATES, Los Angeles architectural-planning firm. He has been with the firm since 1951.

MARTENSON & ASSOCIATES, Architects, Kirkland, Washington, announce the appointment of WALLACE E. CAIN as an associate.



HAKERT

EDWARD G. HAKERT has been named junior associate in the Billings, Montana architectural firm CTA (CUSHING TERRELL ASSOCIATES). A member of the firm since 1964, he will be a project architect in the design department.

ROBERT H. THOMPSON, JR. has been named an associate in the firm of ROBERT E. ALEXANDER & ASSOCIATES, Los Angeles architects and planning consultants. A specialist in urban design, he has been with the firm for three years.

AU, CUTTING, SMITH & ASSOCIATES, Architects and Planning Consultants of Honolulu, Hawaii, have named two associates: ROBERT IMADA, associate in charge of production, and DONALD E. HARTWELL, associate in charge of design.

Three recent appointments at CHARLES LUCKMAN ASSOCIATES, Los Angeles-based architectural and engineering firm, include: GEOFFREY WAN to project captain; HORACE G. FARMER, to project designer, and H. TERRY FERRERA, designer. Farmer was most recently with Arthur Froehlich, FAIA, & Associates, Beverly Hills, and Ferrera was with Maxwell Starkman, Beverly Hills.

DAMES & MOORE, consulting engineers of Los Angeles, have admitted to partnership DONALD E. NELSON in the Seattle office; FENLEY (TED) RYTHER JR., Houston office, and LOUIS I. STERN in the New York office. G. ANDREW RETI has been named partner and director of technical services in the Los Angeles executive offices.

FRANKFURTER & ASSOCIATES, INC., Seattle consulting engineers, have added two structural engineers to their staff: DONALD C. STYER and DICK S. CHAN.

The firm of BRIDGES/BURKE, ARCHITECTS, Seattle, announce the addition to partnership of ALVIN C. WILLIAMS, who has been with the firm since the merger of Leon Bridges and Edward Burke in 1966. Prior to this association, he was with Fred Bassetti & Company.



WILLIAMS

The following change of address notices have been received:

L. DON FRANSDEN, Architect—850 24th Street, Ogden, Utah.

ROBERT H. PETERSON & ASSOCIATES—4988 N. Figueroa St., Los Angeles.

MENNO BRAAKSMA—Room 204, 13601 East Whittier Blvd., Whittier, Calif.

JOE LORT, JR., Architect—Suite 10, Hilton Office Bldg., 1515 Cleveland Place, Denver.

QUINTIN CHRISTENSEN—8534 N. 33rd Ave., Phoenix, from Bountiful, Utah.

HAROLD ENGSTROM, AIA—632 S. David St., Casper, Wyoming.

S. G. OPPENHEIM—1227 N. LaCienega Blvd., Los Angeles, from Hollywood.

MAR/HARA & ASSOCIATES, Architects—Suite 200, 1923 First Ave., Seattle.

NIXON-BROWN-BROKAW-BOWEN, Architects—3950 Broadway, Boulder, Colorado.

JENSEN & WICKMAN, Architects—633 N. 4th St., Boise, Idaho.

BURCKHARD & HERMANS—324 Dexter Avenue N., Seattle.

ROBERT J. ERNSBERGER—1661 Green St., San Francisco.

RICHARD JOHN LAREAU & ASSOCIATES, Inc.—Centre West, Suite F, 2845 Nimitz Boulevard, San Diego.

DAN ESCUDERO—No. 9, 3618 Vinton Ave., Los Angeles.

ROBERT YORK—1851 S.W. 58th, Portland, Oregon.

EDWIN C. BRUNO—Route 6, Box 252-B, Olympia, Wash., from Portland.

ALLEN, McMATH, HAWKINS—818 S.W. First Avenue, Portland.

GORDON POTTER, Architect, AIA—Room 303, 826 Kaheka St., Honolulu.

WILLIAM HUTCHESON, JR.—No. 1410, 66 Cleary Court, San Francisco, from San Rafael.

DON MUNTZ & ASSOCIATES—11415 Hadley St., Whittier, Calif., from La Habra.

LOUIS H. ROTH—#5 Beacon Bay, Newport Beach, Calif., from Sacramento.

FRED H. KAZLO—870 Commonwealth, Venice, Calif., from Los Angeles.

People

Anchorage, Alaska, architect EARL FULLINGIM has been named executive director of the Alaska Chapter, American Institute of Architects. He will continue the private practice of architecture and coordinate chapter activities from his studio at 7233 Madelyne Drive.

HERBERT T. JOHNSON, Oakland, and SAMUEL E. HART, Los Angeles, have been named Co-Regents of Region 11, SOCIETY OF AMERICAN REGISTERED ARCHITECTS, which includes Washington, Oregon, California, Nevada, Utah, Hawaii and Guam.

MACDONALD BECKET, who has been chief executive officer of WELTON BECKET & ASSOCIATES, and coordinator of the Becket offices in New York, San Francisco and Houston, has been named president of the firm. A nephew of Welton Becket, he has been with the organization since 1948, serving in a variety of positions.



BECKETT

CLAUDE STOLLER, FAIA, San Francisco, and ROBERT E. ALEXANDER, FAIA, Los Angeles, have been appointed to serve on the General Services Administration's Public Advisory Panel on architectural services. WILLIAM STEPHEN ALLEN, FAIA, San Francisco, and Frank L. Hope, FAIA, San Diego, who have served two years on the panel, have been reappointed for one-year terms.

Appointed to Region 8 Public Advisory Panel on Architectural Services, GSA, were F. LAMAR KELSEY, Jr., FAIA, Colorado Springs, Colorado, and HUGH ROWLAND, Albuquerque, New Mexico. VICTOR HORNBEIN, FAIA, Denver, and FRED MARKHAM, FAIA, Provo, Utah, continue on the panel. Region 8 comprises Arizona, Colorado, New Mexico, Utah and Wyoming.

PAUL M. KAI has been named chief of the architectural division at Robert H. Grant & Company, Anaheim, California home developers.

San Francisco architect BENSON ESCHENBACH has been named to the newly formed advisory board of Retirement Residence, Inc., San Francisco, one of the nation's largest independent developer-administrators of life-care housing facilities.

ROBERT MURRIN, architect, Sterling, Colorado, has been elected president of the Sterling Arts Council.

CHARLES PEARSON, partner in the Tacoma, Washington firm of Lea, Richards & Pearson, has been named president of the Tacoma Chamber of Commerce.

WILLIAM H. LISKAMM, vice president of Okamoto/Liskamm, Planners & Architects, AIA, of San Francisco, New York and Seattle, will resign his faculty position at the College of Environmental Design at the Berkeley campus of the University of California in June. He will devote his efforts to the activities of his firm and in transportation research.

Architect DONALD J. MCKINLEY, Spokane, Washington, has been named chairman of the Industrial Development Bureau of the Spokane Chamber of Commerce.

F. J. MACDONALD, Phoenix landscape architect, has been named executive director of the American Institute of Landscape Architects. He previously served the organization as executive secretary. The international office will operate from Phoenix.

MARK H. ASTRUP, Salem, Oregon, recently retired landscape architect for the Oregon State Highway Department, has been given the Oregon Park & Recreation Society's Distinguished Service award. The recognition cited his work in highway landscaping and for his concept of highway rest stops. He served with the state for more than 30 years.

DANIEL L. DWORSKY, FAIA, Los Angeles, has been named chairman of the architects and engineers division of the 1969 Los Angeles United Jewish Welfare Fund.

ROBERT R. WAY, vice president of HAWAII ARCHITECTS & ENGINEERS, Honolulu, has been appointed City Planning Director by Mayor Frank Fasi.

LAWRENCE D. MAYER, Los Angeles architect, has been appointed a member of the Liberty Park Advisory Council, overseeing objects and events of Americana associated with the park area 37 Wilshire Boulevard.

Seattle mayor J. D. Braman has reappointed ROY W. MORSE to another four-year term as Seattle city engineer.

RICHARD E. WINN, architectural engineer, has been appointed purchasing agent for Pacesetter Homes, Inc., Los Angeles.

MOWRY C. GILBERT, Colorado Springs architect, has resigned as architect for the Godwin Bevers Co., Inc., to become architect for the Red Feather Corp., a division of the Sproul Investment Corporation. He has appointed GAROLD D. SMITH, JR. as his architectural assistant.

AMOS RANDALL, Pomona, California, has been named third vice president of Toastmasters International.

LEON C. GOODRICH, 76, Casper, Wyoming, architect, died December 17 following a brief illness. A graduate of the University of Wyoming, he joined W. R. Dubois in practice in Casper in 1917. He was most recently associated with the firm of Jan Wilking, designing the Turner-Cottman building and the Casper College dormitories and student center. He was a past president of the Wyoming Chapter, American Institute of Architects.

JACK BURG, 44, Riverside, California architect was found dead, under suspicious circumstances in December. He maintained his own firm at 6746 Magnolia in Riverside.

JAMES L. SHANE, 74, retired Idaho Falls architect, died in late December. A graduate of the Armour Institute of Technology (now the Illinois Institute of Technology), he had his own firm in the Chicago area, prior to moving to Salt Lake City, and then to Idaho Falls. He designed many of the downtown buildings built prior to 1940 in Idaho Falls.

WELTON DAVID BECKET, FAIA, 66, passed away January 16 at St. Vincent's Hospital, Los Angeles, following a brief illness. He was born in Seattle and came to Los Angeles in 1931 following graduation from the University of Washington and post graduate study at Fontainebleau. In 1933 he founded a practice with his former classmate, Walter Wurdeman, known as Wurdeman and Becket, in Los Angeles. Upon the death of his partner in 1948, the firm became known as Welton Becket & Associates. The recipient of many honors for architectural design and excellence, he had only recently assumed the position of chairman of the board of the firm. Since 1949 he had been master planner and coordinating architect for the University of California at Los Angeles. He had recently moved to chairman of the board of his firm.

Organizations

Portland Chapter, AIA, 1969 Officers



Officers of the PORTLAND CHAPTER, American Institute of Architects, for 1969 are: front row, left to right: ROGER SHIELDS, vice president; FRED RUDAT, president; JIM GRADY, treasurer; A. P. DiBENEDETTO, secretary. Back row, left to right: GARY MICHAEL, KEN WALLIN, BROOKS GUNSUL and ROBERT WILMSEN, directors. DICK NORMAN, director, was not present for photo.

The MONTEREY BAY CALIFORNIA, CHAPTER, American Institute of Architects, has named the following slate of officers: SEBASTIAN BORDONARO, Carmel, president; DON WALD, Pacific Grove, vice president; RAY BELLI, Salinas, secretary; MEL BLEVINS, Salinas, treasurer; DON GOODHUE, Monterey, and FRED McNULTY, Carmel, directors.

THE SEATTLE CHAPTER, American Institute of Architects, announces the following officers have been elected: WILLIAM BAIN, JR., president; ROBERT NIXON, first vice president; GERALD WILLIAMS, second vice president; MYRON LEWIS, secretary; EDWARD BURKE, treasurer; JAMES COWAN, AUSTIN GRANT and CLAYTON YOUNG, directors.

The slate of officers for 1969 of the SOUTHERN OREGON CHAPTER, American Institute of Architects: WAYNE STRUBLE, president; F. JEROME HUNTER, vice president; PHILLIP C. PATTERSON, secretary; D. LORIN JACOBS, treasurer. All are from Medford.

Officers for 1969 of the ALASKA CHAPTER, American Institute of Architects, are: KENNETH MAYNARD, Anchorage, president; GEORGE FILLER, Juneau, vice president; KENNETH CANNON, Anchorage, secretary; JENNINGS GRAHAM, Ketchikan, treasurer; HAROLD WIRUM, Anchorage, and DONALD STETSON, Fairbanks, directors.

THE NORTHERN CALIFORNIA CHAPTER, AIA, has named the following new officers: GEORGE AGRON, president; KARL E. TREFFINGER, vice president-president designate; ELMER E. BOTSAL, treasurer; DARRYL T. ROBERSON, secretary; MARC GOLDSTEIN, JOHN H. GREAVES, JOHN M. KAHL, WILLIAM B. McCORMICK and HENRIK BULL, directors.

THE SOUTHWEST WASHINGTON CHAPTER, American Institute of Architects, has named the following officers: THEODORE LITZENBERGER, president; MARY LUND DAVIS, first vice president; HARRY BERRY, second vice president; FRED KING, secretary and DUANE BERG, treasurer. All are from Tacoma.

THE NORTHERN CALIFORNIA CHAPTER, Society of American Registered Architects, has elected the following officers: HERBERT T. JOHNSON, Oakland, president; BERRY VON HUNGEN GROTH, San Francisco, secretary; FRANCIS A. CONSTABLE, Sausalito, treasurer; JOSEPH B. WOOTEN, Sacramento, OTTO LEOPOLD KELM, San Francisco, ROBERT W. SEVERIN, San Rafael, CULVER WILLIAMS, JR., Walnut Creek, ANTHONY J. OLIVA, Sacramento, vice presidents; WALLACE D. MOORE, San Leandro, charter president.

Officers for 1969 of the SOUTHWESTERN OREGON CHAPTER, American Institute of Architects, are: JAMES V. BERNHARD, president; ROBERT HARRIS, vice president; ROBERT FRITSCH, secretary; LESTER BAGG, treasurer; OTTO POTICHA, MILES METZGER and DONALD L. SMITH, directors. With the exception of Metzger, who is from Corvallis, all officers are from Eugene.

Officers of the CENTRAL WASHINGTON CHAPTER, American Institute of Architects, are: A. ROBERT WILLIAMS, Yakima, president; THOMAS F. HARGIS, JR., Yakima, vice president; VERN McFALL, Walla Walla, secretary-treasurer; WAYNE WHITE, Ellensburg; ARTHUR CARSON, Kennewick; GERALD MOSSMAN, Walla Walla; MARK PENCE, Pasco, directors.

THE EAST BAY CHAPTER, American Institute of Architects, covering four counties east of San Francisco, has named the following to office for the ensuing year: FRANK B. HUNT, Oakland, president; KENNETH CARDWELL, Berkeley, vice president and president-elect; E. PAUL KELLY, Berkeley, secretary; TED MILHOUS, Oakland, treasurer; JACOB ROBBINS and ROBERT ODERMATT, Berkeley; PETER JACOBSON, Fremont, two-year directors.

Officers of the SAN JOAQUIN, CALIFORNIA, CHAPTER, American Institute of Architects are: J. MARTIN TEMPLE, president; ROBERT STEVENS, vice president; RICHARD MANGOOIAN, secretary; ALLEN LEW, treasurer; JACK HAYSLETT and DAVID HORN, FAIA, directors. All are located in Fresno.

The SOUTHERN CALIFORNIA CHAPTER of the Society of AMERICAN REGISTERED ARCHITECTS announces the election of the following officers: CHARLES F. WETHERBEE, president; MARTIN E. FULLER, WALTER R. HAGEDOHM, ARTHUR L. MINASIAN, LLOYD S. PEDERSON and RALPH A. VAUGHN, vice presidents; DWIGHT E. CHENAULT, recorder; WALTER H. KOZIOL, treasurer; ANTON JEMRIC, FRANK KATAYAMA, VIRGIL A. MEEDS and ALLEN MOCK, directors.



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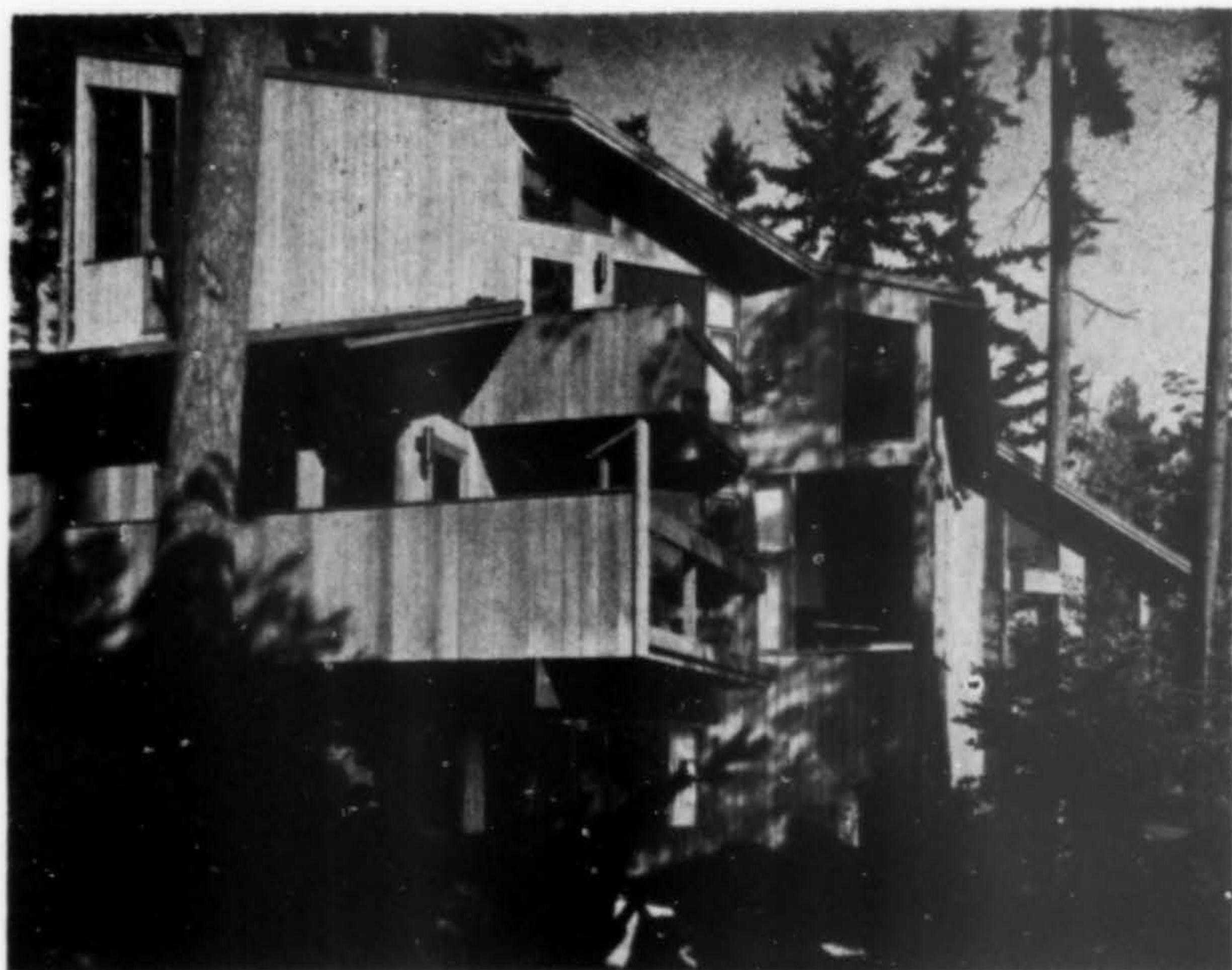
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Circle No. 104 on information card

**Seattle Chapter, AIA, Program
Honors Seven Projects**

FIVE PROJECTS were honored and two additional received special citations in the 1968 Honors Program of the Seattle Chapter, American Institute of Architects. One of the buildings, Camp Brotherhood, was designed and built by students in the Department of Architecture at the University of Washington. Jurors were architects Gordon Varey, Stephen Richardson, FAIA, Romaldo Giurgola and Ibrahim Jammal, and artist Boyer Gonzales.



THE JAMES MARTENSON Residence, Mercer Island. Honor Award. Richard W. Hobbs Associates, architect.

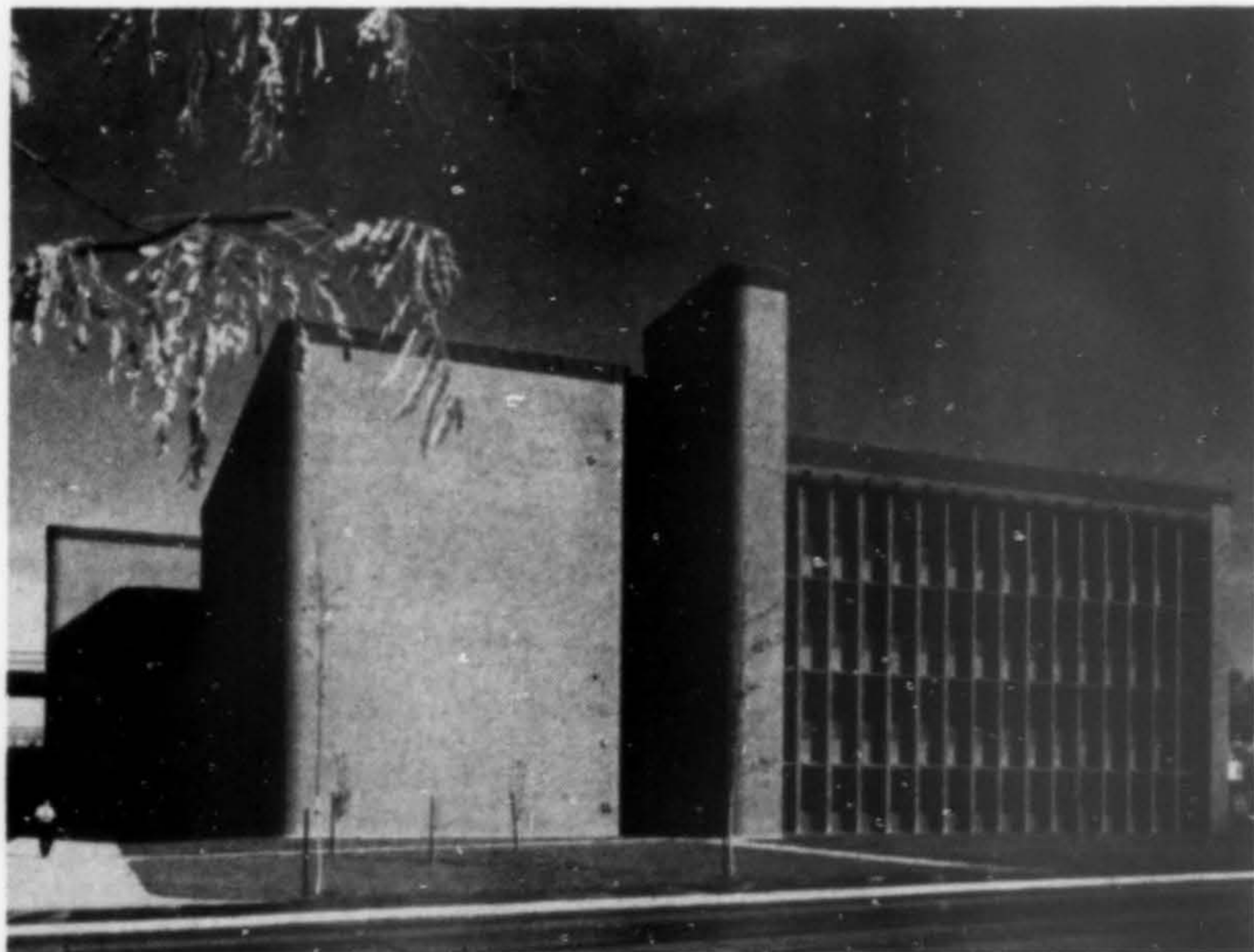


AIA CHAPTER OFFICE, Seattle. Special Citation. Wendell Lovett, architect.

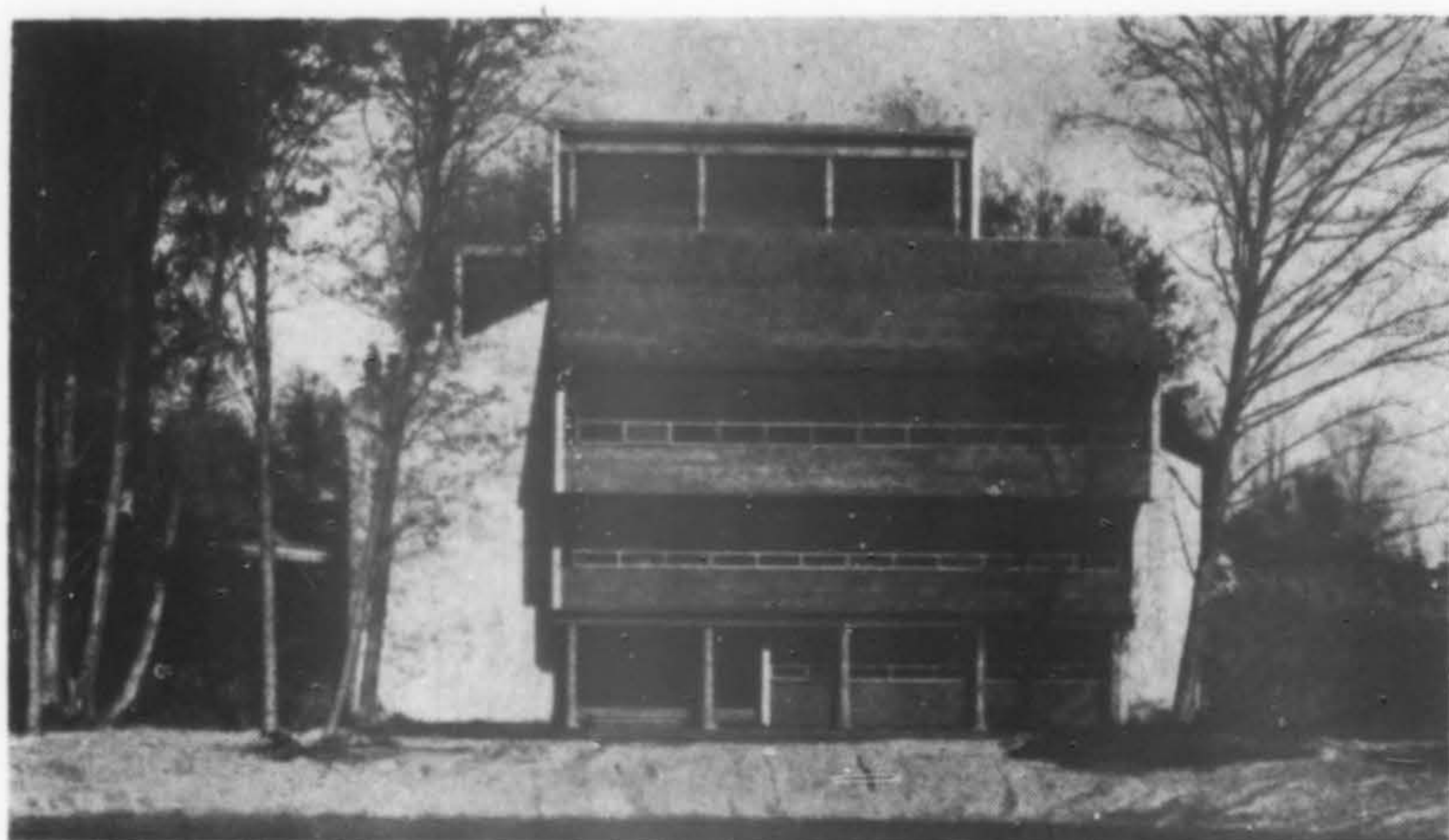
CORDINER HALL, Whitman College, Walla Walla. Honor Award. Naramore, Bain, Brady & Johanson, architect.



UNIVERSITY CHEVROLET, Seattle. Special Citation. Richard Bouillon & Company, architect.

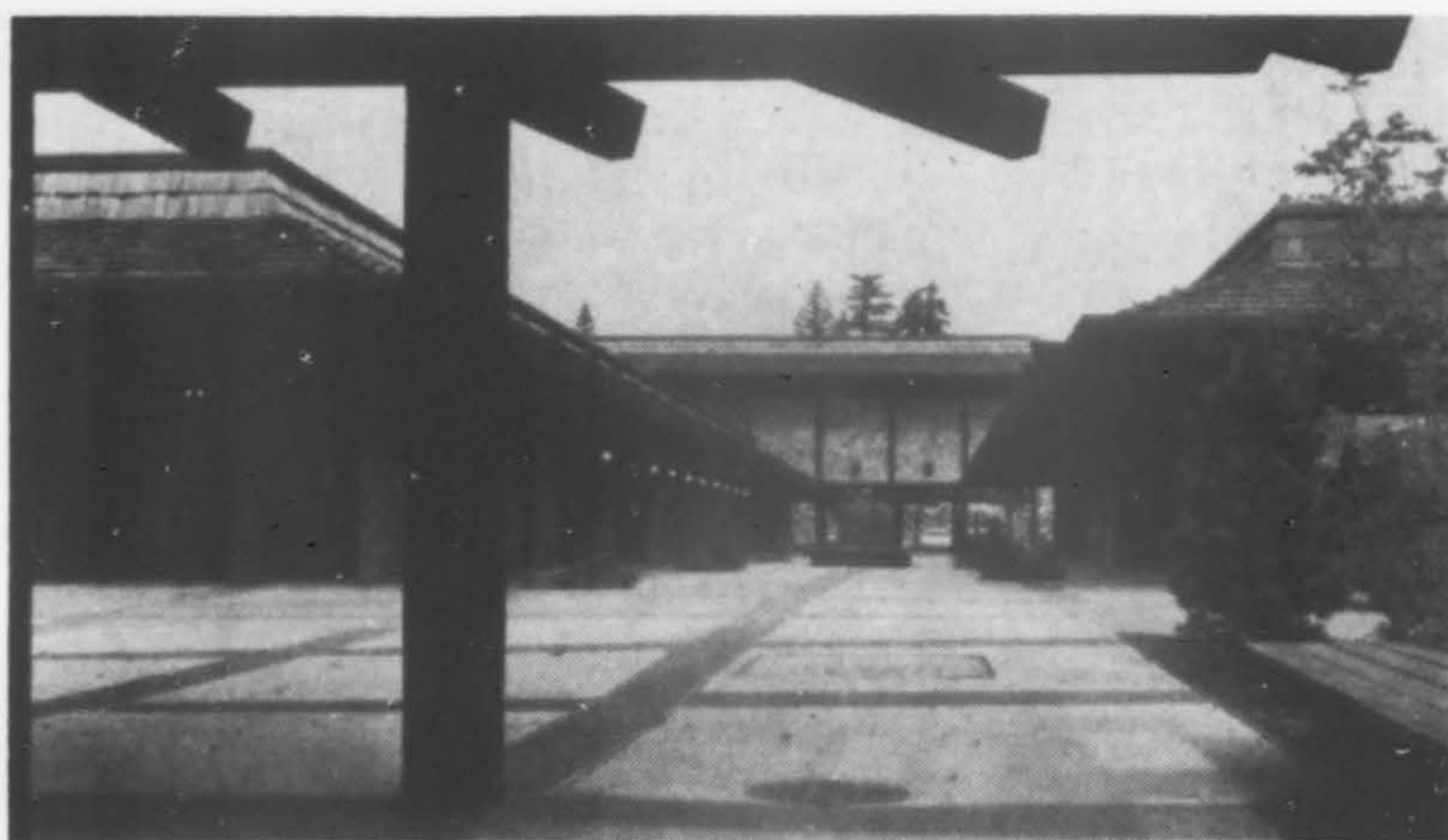


C. CLEMENT FRENCH Administration Building, Washington State University, Pullman. Honor Award. Kirk, Wallace, McKinley & Associates, architect.

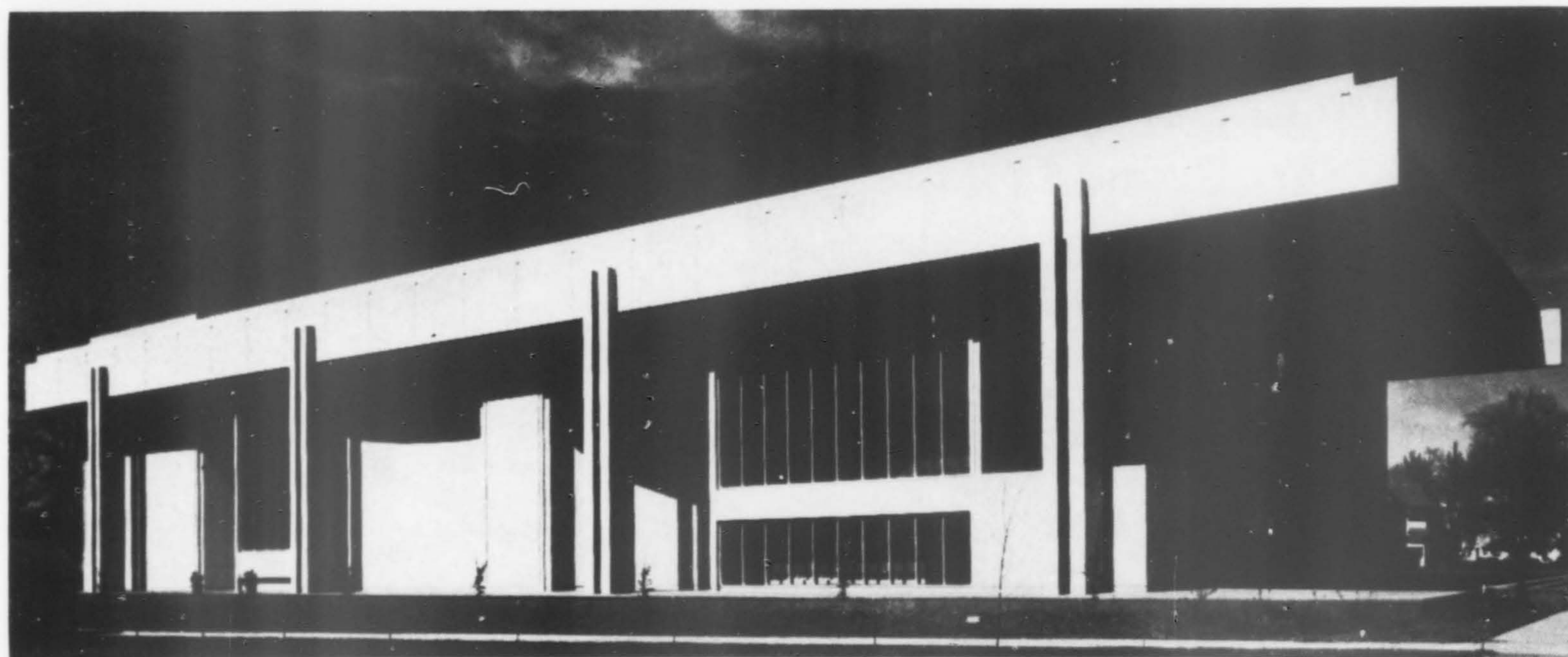


THE HARBORMASTER RESTAURANT and Store, Port Ludlow. Award of Merit. Naramore, Bain, Brady & Johanson, architect.

THE VILLAGE SHOPPING CENTER, Bellevue. Award of Merit. Mithun & Associates, architect.



CAMP BROTHERHOOD Dormitory, Mount Vernon. Award of Merit. Robert Small and Environ '68, architect.



CORDINER HALL — WHITMAN COLLEGE
WALLA WALLA, WASHINGTON

ARCHITECT: Naramore, Bain, Brady & Johanson — Seattle
GENERAL CONTRACTOR: Jensen-Green — Spokane
ACOUSTICAL ENGINEER: Vernon O. Knudson — Los Angeles
PLASTERING CONTRACTOR: The Jansen Co. — Walla Walla

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Southwest Oregon Chapter, AIA Cites Three Projects

THREE BUILDING projects were honored for design excellence by the Southwestern Oregon Chapter, American Institute of Architects. Jurors were Sim Van der Ryn, Berkeley architect and a professor of architecture at the University of California; Richard Campbell, Portland architect; Robert Harris, head of the Department of Architecture, University of Oregon; and Marvin Thomas, president of the Eugene-Springfield Homebuilders Association and a member of the Eugene Planning Commission.

A student design competition for undergraduate architectural students at the University of Oregon and Oregon State University was conducted simultaneously with the professional awards program. A cash award went to winner Dave Clarke, a fifth year student at the University of Oregon, for his design of a downtown building for the New World Coffee House and Apartments.



CAMP LANE, Mapleton. Honor Award. Unthank, Seder & Poticha, architects.

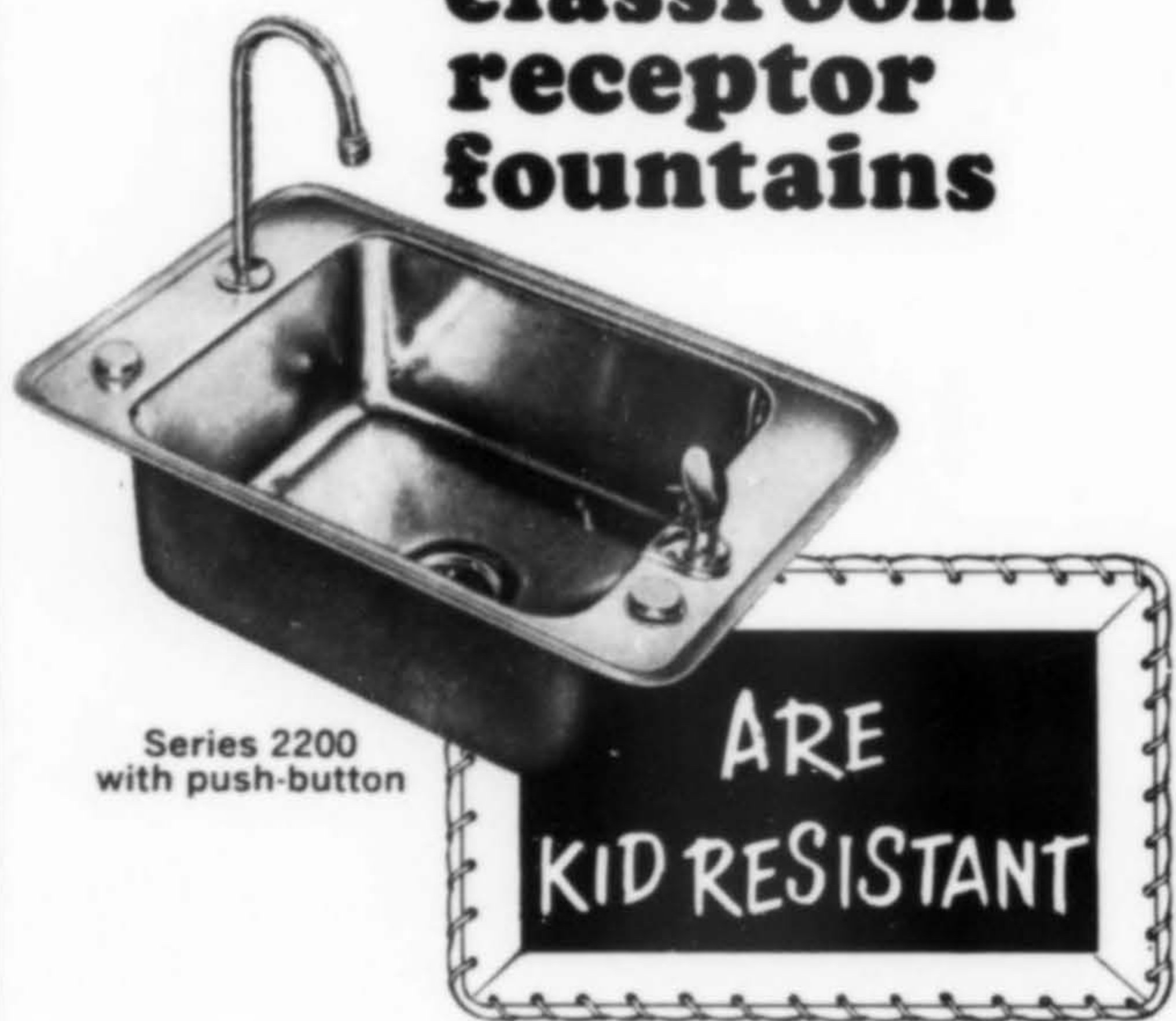
FLORAL EXHIBIT Building, Douglas County Fairgrounds, Roseburg. Merit Award. Briscoe & Berry, architects.



REMODELING, First National Bank Building, Eugene. Merit Award. Wilmsen, Endicott, Green & Associates, architects.



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Calendar

The 46th annual convention of the National Terrazzo & Mosaic Association, The Broadmoor, Colorado Springs, March 23-28.

Spring meeting, National Building Material Distributors Association, Mountain Shadows Hotel, Scottsdale, April 20-23.

Architectural Aluminum Manufacturers Association, Spring Meeting, Sheraton-Universal Hotel, Los Angeles, April 20-23.

The National Association of Architectural Metal Manufacturers 31st annual convention and trade show, Mountain Shadows Hotel, Scottsdale, Arizona, May 4-7.

First annual show and convention for the multi-family housing industry, the Apartment Builder/Developer conference and exposition, New York Hilton Hotel, May 12-14.

Design Engineering Show and Conference, Coliseum and Hotel Americana, New York, May 19-22.

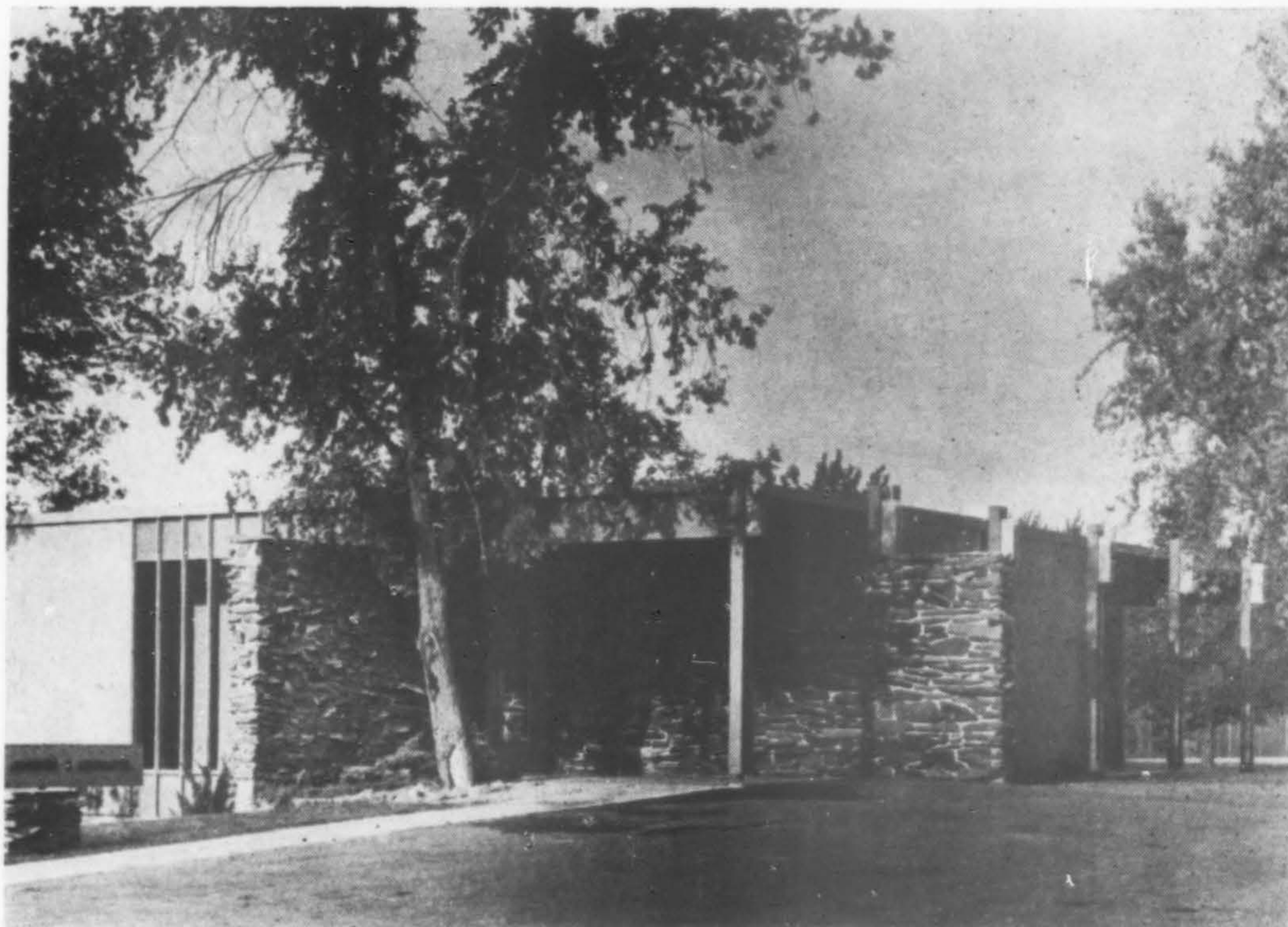
Eleventh Annual Pacific Coast Builders Conference, Fairmont Hotel, San Francisco, June 4-6.

Sixth Pacific Northwest Plastics Conference, Washington State University, Pullman, Washington, June 11-13.

First National Exposition of Contract Interior Furnishings, Merchandise Mart, Chicago, June 22-25.

The American Institute of Architects 101st national convention, jointly with the Royal Architectural Institute of Canada, Palmer House Hotel, Chicago, June 22-26.

THE OFFICES of Johnston & Associates, located at the main entry to Payette, are an asset, both to the city and the firm. Charles Johnston, senior partner, has more than 30 years of architectural practice behind him, much of it in educational facilities, although the firm is diversified. The company moved into the present location, designed in their office, in November 1962. Adrian (Ted) Probart, partner, is a graduate of Idaho State University and has been with the firm 11 years. Duane Gowland, the other partner, is a University of Idaho graduate and has been associated with the firm eight years. While the firm varies in size from 7 to 15 members, three others are permanent staff: Ross Beale, University of Idaho; Marvin Johanson, Washington State University, and Jodell Barber, secretary, who has been with the firm eight years.



WHERE THE ARCHITECTS HANG THEIR HATS

JOHNSTON & ASSOCIATES
Payette, Idaho

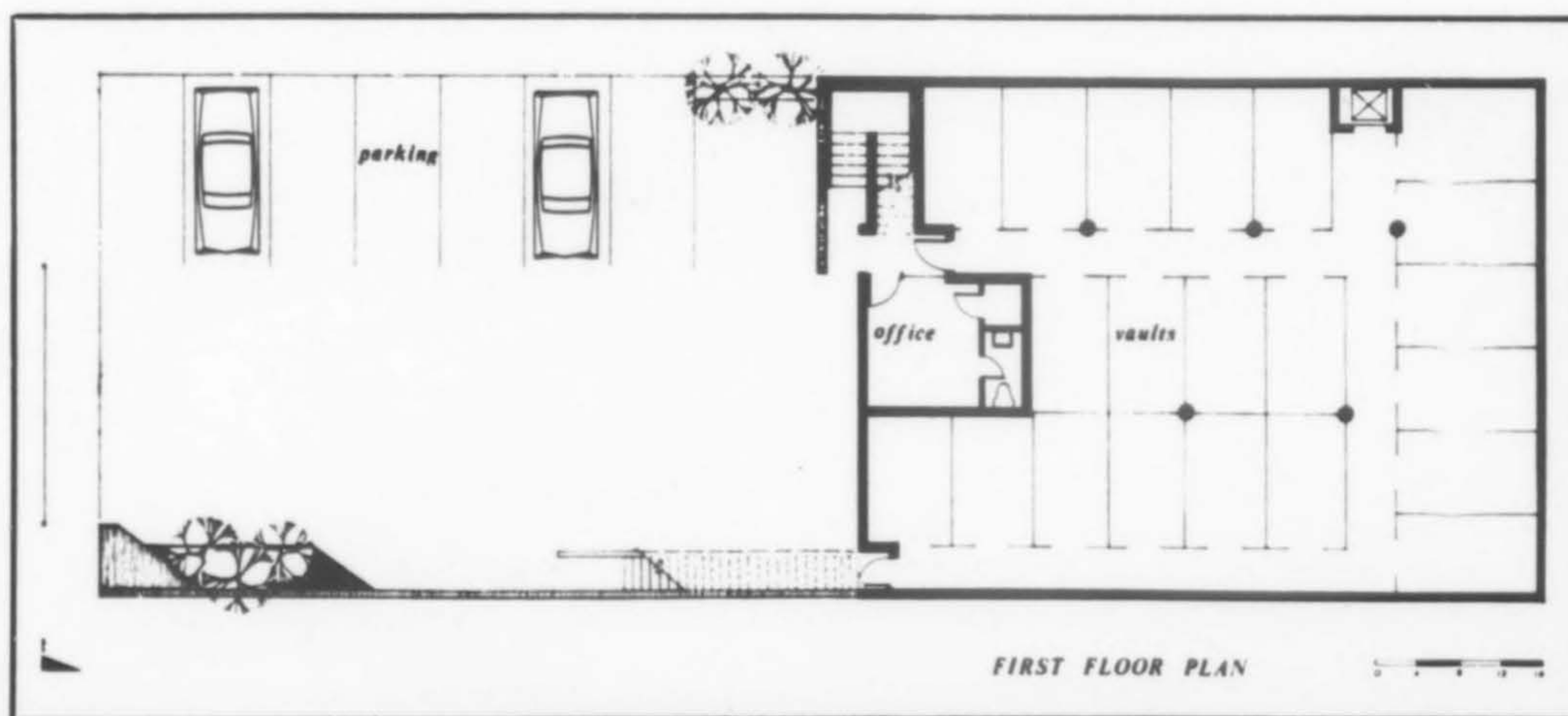




FILM STORAGE BUILDING
Los Angeles, California

LEROY B. MILLER, AIA
Architect

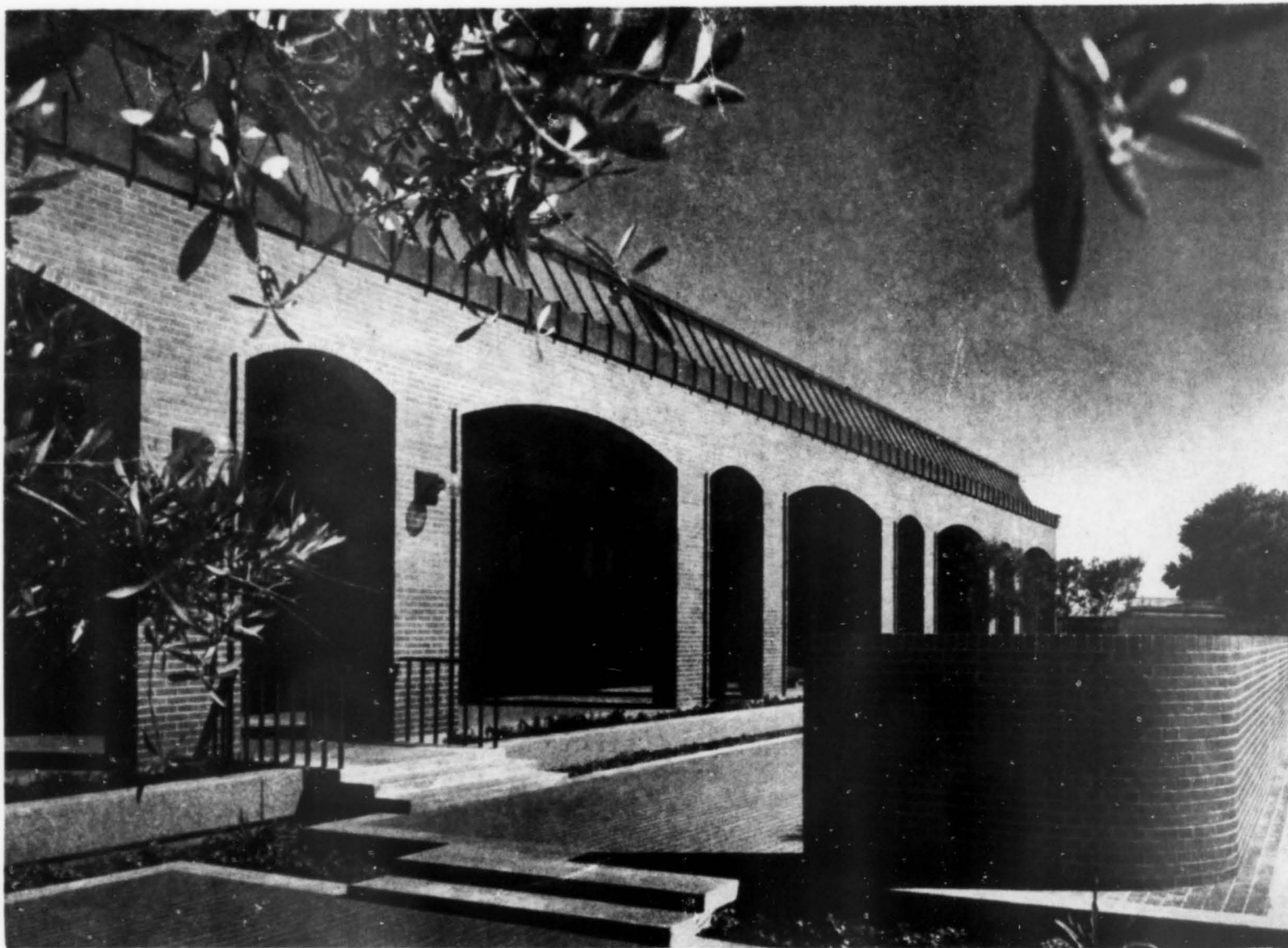
ENLIGHTENED CLIENTS who retained an architect to design a film storage building that would be distinct in character from other film warehouses in the area, achieved their goal. This very utilitarian type structure often looks just what it is: a warehouse. In this case, the design was established by expressing in a rudimentary way the basic functional and structural elements of the building. The result was a two-story brick box, of common red brick, with concrete floors and roof (for fire rating purposes) and openings and stairways for access to the stored film. The concrete is exposed formboard finish. The building is refrigerated for storage of color film, and fire sprinklered. Wire mesh partitions divide the space into individual storage vaults.



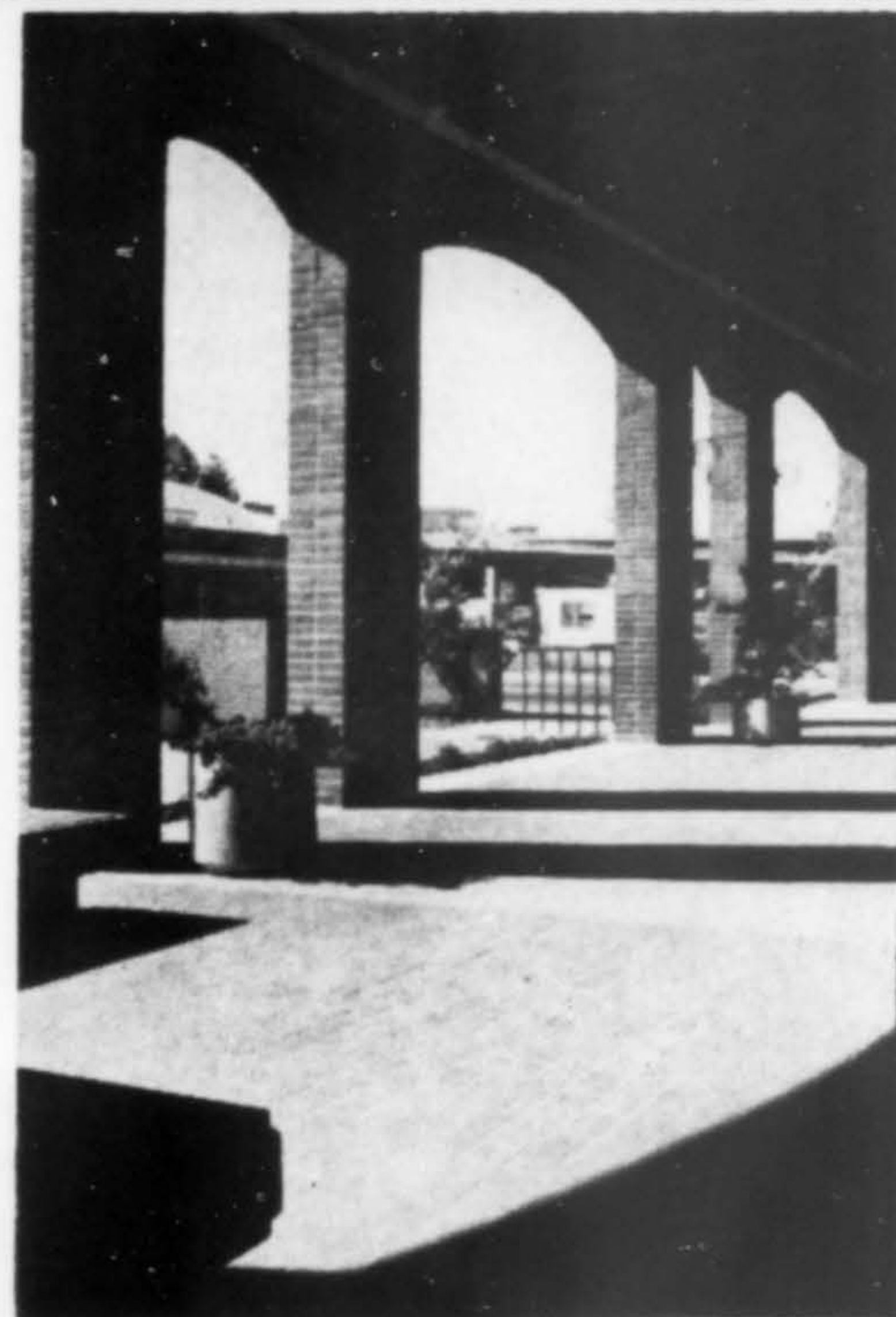
Richard K. Koch photos



STUDIO, TELEVISION STATION KXTV, Sacramento, California



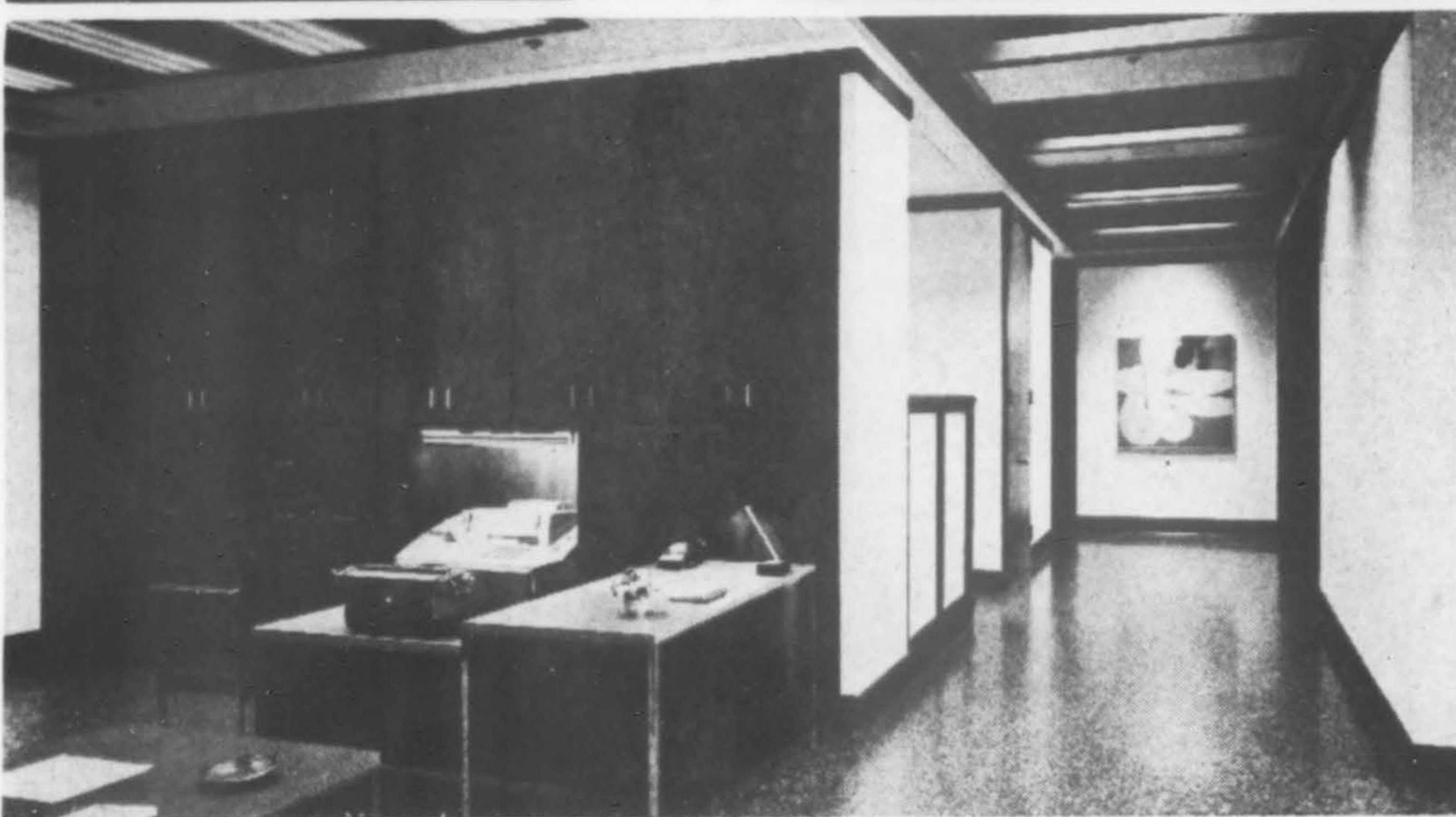
Sirlin Studio photos unless otherwise noted



THE HANDSOME BRICK building with an inviting arcade that serves as a main entrance, is a far cry from its original use: an egg processing plant and warehouse. In the renovation, three of the existing brick walls were saved, becoming the basis for the new structure.

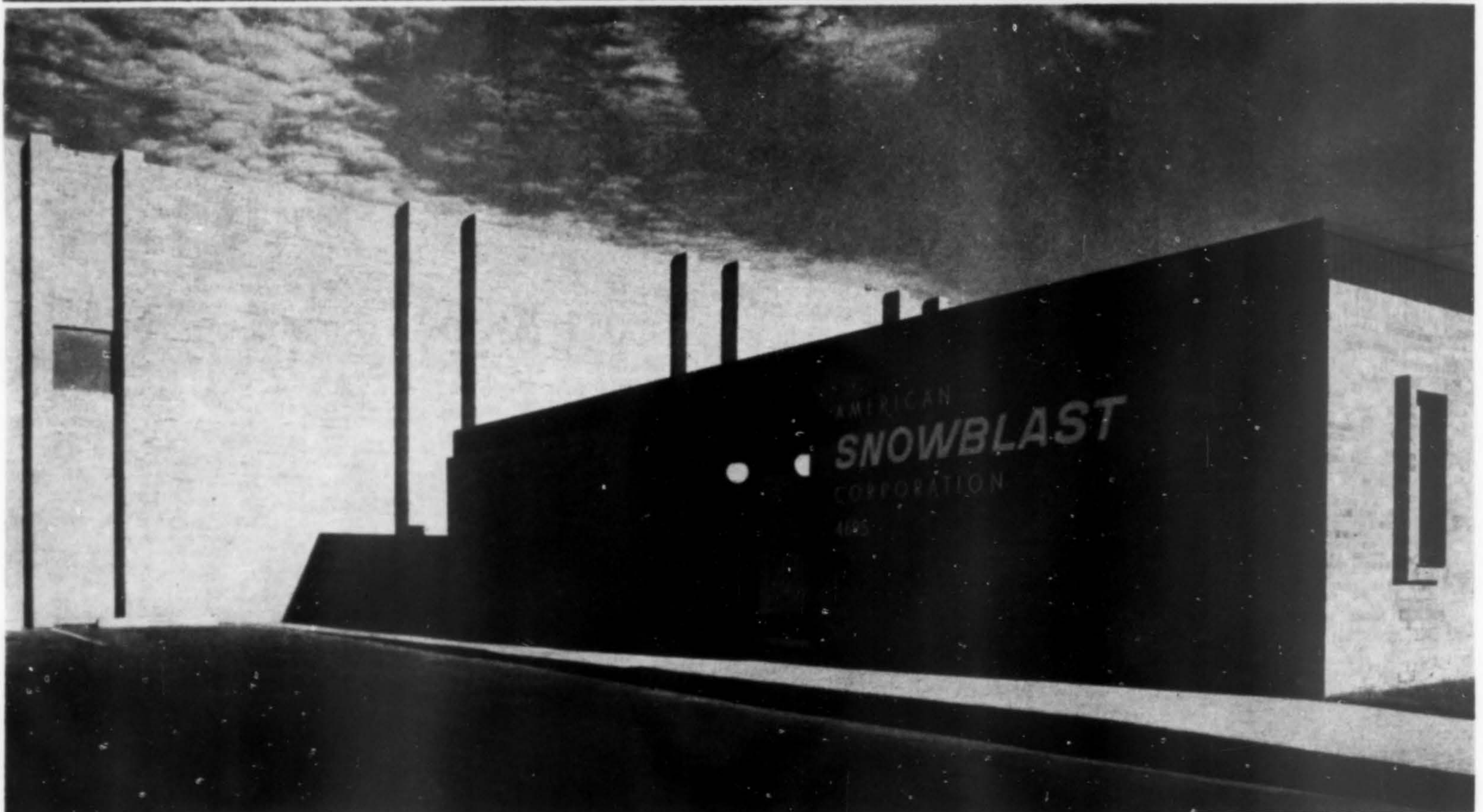
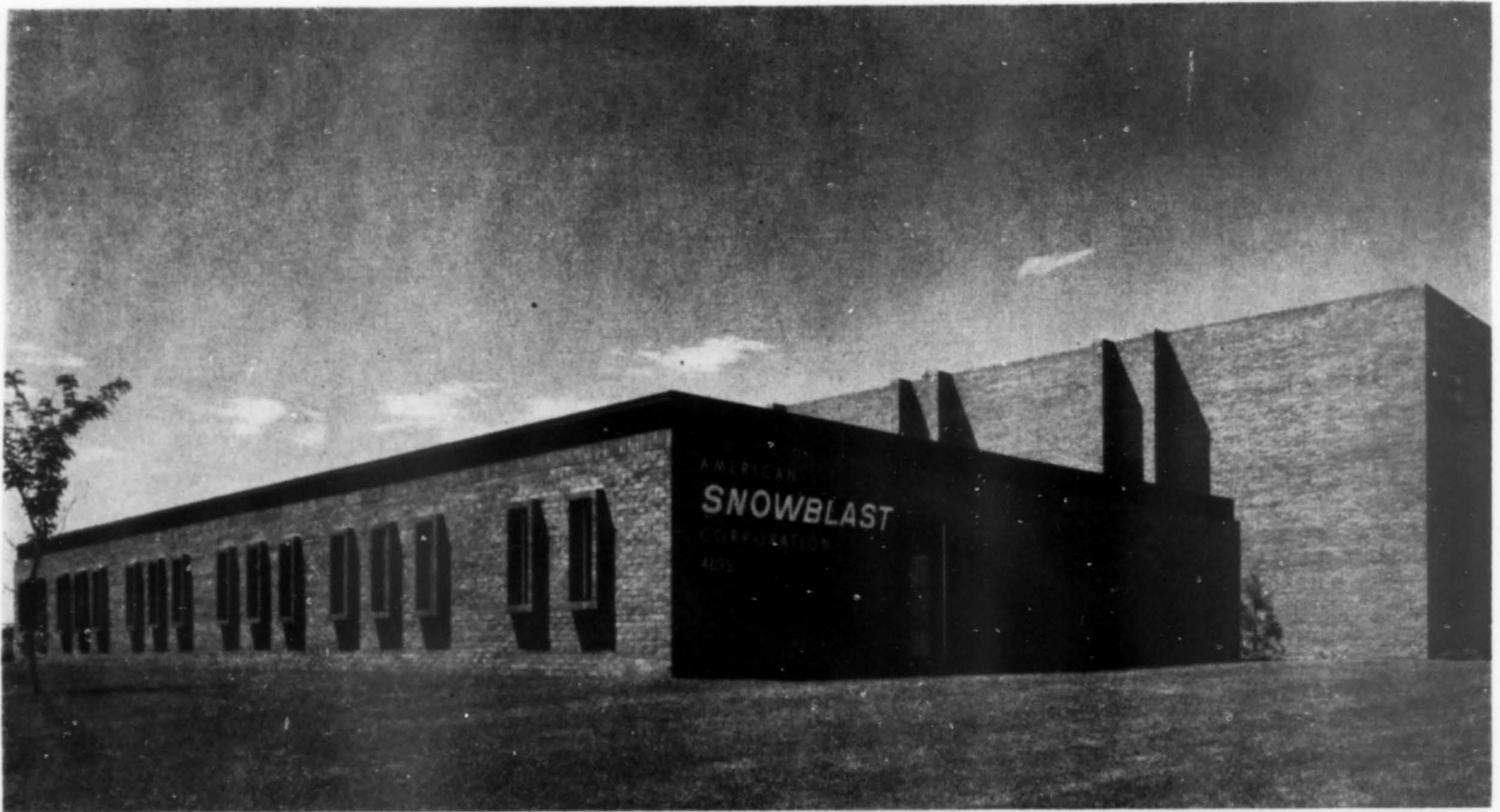
The owners of the studio building for Station KXTV Channel 10, Sacramento, required space for a news department, sales and promotion, three studios, video tape facilities, film editing, substantial storage, a large waiting area as well as outdoor space for filming commercials. The building was planned to provide for visitations of large groups, including those from schools and organizations, necessitating emphasis being placed on an attractive lobby and waiting room with direct circulation to provide for the viewing of interesting programs.

Located in close proximity to a major freeway, the one-story, 31,000 sq. ft. building was converted with new brick walls, matching the existing brick, and a raised roof covered with terne metal, installed to provide necessary height for the major studios. The architects made extensive use of fire-protected wood (Non-Com^o from Koppers) for studs, plates and blocking in interior partitions and ceiling furring. The building, believed to be the first television studio to use wood in this manner, met all safety codes.



Morley Baer photos above



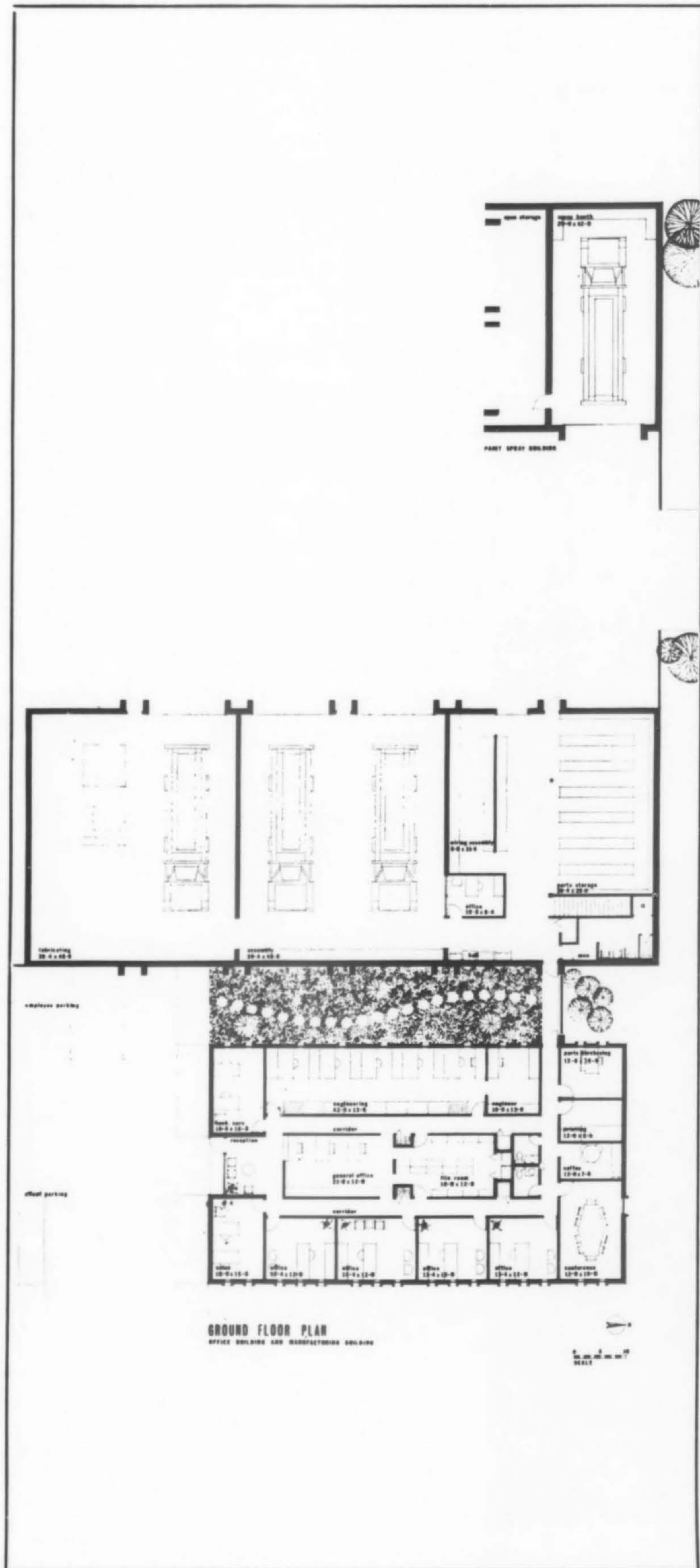


Winter Prather photos

SNOWPLOW MANUFACTURING FACILITY
Montebello, Colorado

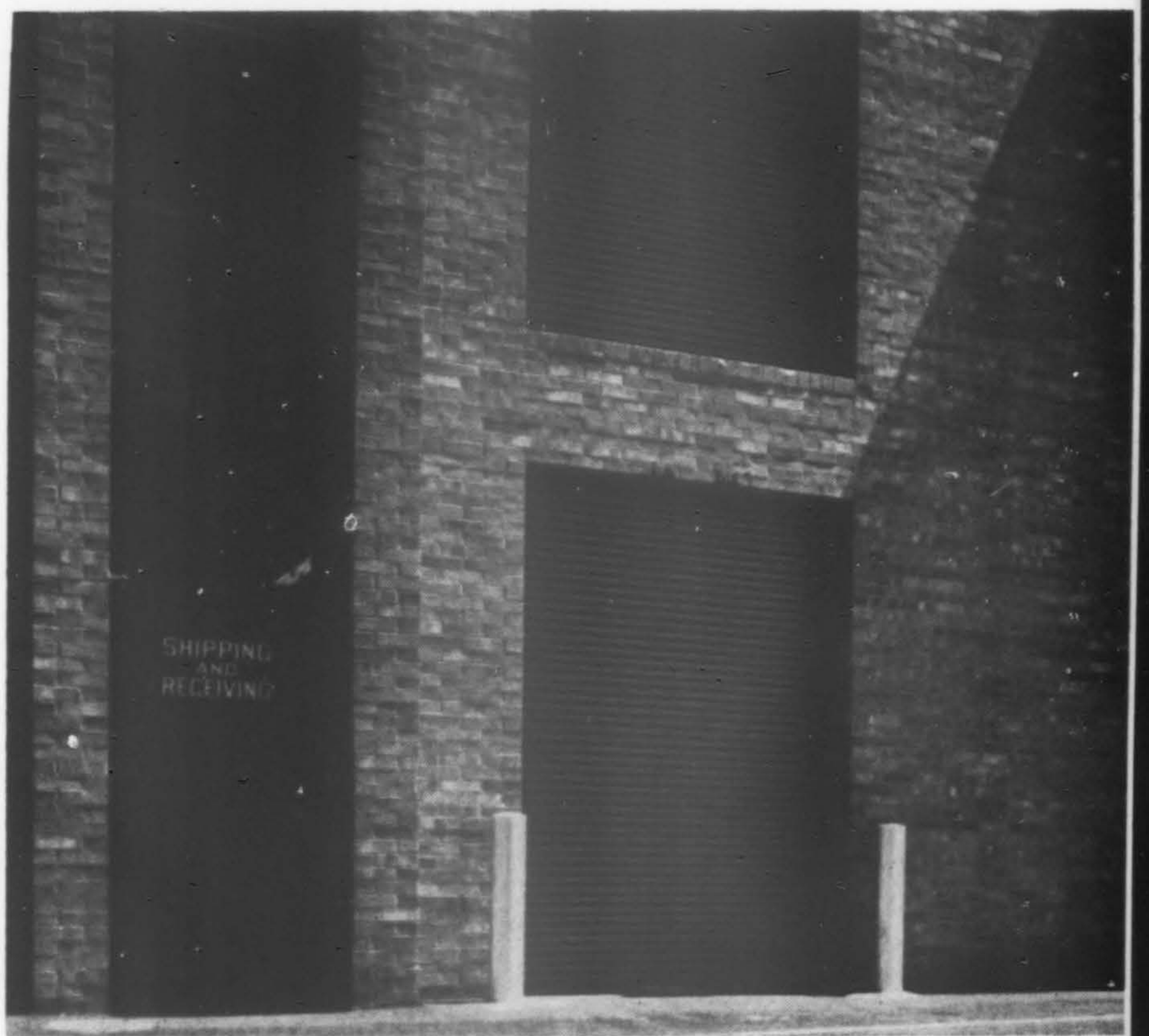
DONALD R. ROARK & ASSOCIATES
 Architect

ROBERT DOUGAN CONSTRUCTION COMPANY
 Contractor

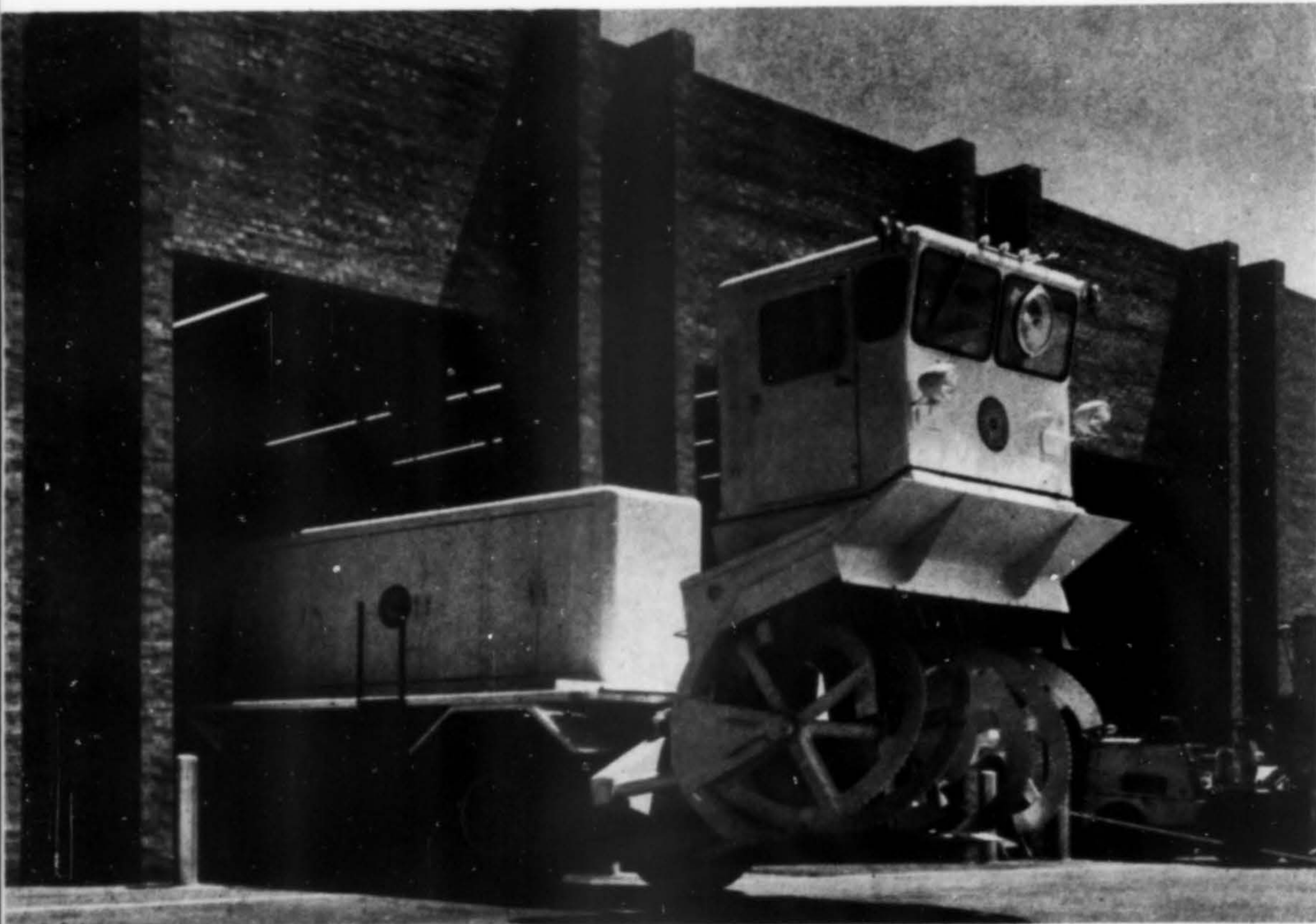


HUGE SNOW PLOWS, utilized for highway and airport snow removal, are manufactured in this new plant, scaled for each separate function of the organization. Three separate buildings house the various activities: an office building, a manufacturing assembly building and a paint spray building. Structures are reinforced masonry and structural steel frames with open web steel joists. Interior walls in the one-story office building are finished brick to match the exterior. Integral brick frames are built around the office building windows to provide shade and weather protection. It is separated from the other facilities by a courtyard. The manufacturing plant (6,272 sq. ft.) is a single story structure with the height of a conventional three-story building. An open yard area of approximately two acres surrounds the manufacturing and paint spray buildings. The latter is located near rail and shipping areas. A cedar fence screens the yard from view and landscaping hides the parking area. Cost of the complex was \$121,000. The project was accorded an Award of Merit in the 1968 Western Mountain Region AIA competition.

Consultants were Robert H. Voiland, structural; Rice-Market & Associates, Inc., electrical.



**SNOWPLOW
MANUFACTURING FACILITY**



Surface Transportation

The great railroad stations were grand spaces, not only as landmarks, but as celebrations of interchange, the interaction that is urban life. Perhaps it will be possible, because of the accelerating densities of major cities, for a new generation of urban "places" to be built at the nodal points of a new generation of public transportation networks. These nodal points will undoubtedly include more and more transfer between nodes, and and it is perhaps here that the greatest opportunities lie for the creation of great interior spaces that through scale and intensity of use can be both comprehensible and exhilarating.

Peter Chermayeff

PETER CHERMAYEFF is a principal with Cambridge Seven Associates, Inc., the firm of architects and designers responsible for the coordination of the transit design program in Boston, and for the U. S. Exhibition at Expo '67 in Montreal, including the interior architecture of the Pavilion. The above is abridged from Peter Chermayeff's article, "Orientation in the Transit Environment," Journal of the Franklin Institute, November 1968.

Surface Transportation



BUS TERMINAL
Los Angeles, California

WELTON BECKET & ASSOCIATES
Architects

HAAS & HAYNE CORPORATION
General Contractor



EFFICIENCY is the key word in examining the new \$11 million Greyhound and RTD (Southern California Rapid Transit District) terminal in Los Angeles. The largest private bus terminal in the United States (the 450,000-sq. ft. structure occupies virtually a full block), it is owned by Western Greyhound Lines and is shared with the rapid transit district. The three-level structure has a mammoth arrival and departure concourse for 30 Greyhound buses on the second level, an all-pedestrian concourse on the street level, and a huge arrival and departure concourse for 14 RTD buses on the lower level. The terminal is accessible

to the Southern California freeway system, yet is centrally located within walking distance of the downtown business district. The joint use of bus systems within the building provides a good interchange from Greyhound's intercity to RTD's metropolitan system.

Exterior design of the steel frame structure reflects the structural system in which the second-level floor is suspended from the huge roof girders to create clear spans to facilitate movement of buses within the terminal. The plan of the building completely separates pedestrian and bus traffic. Entrances to the pedestrian concourse face the central business district.

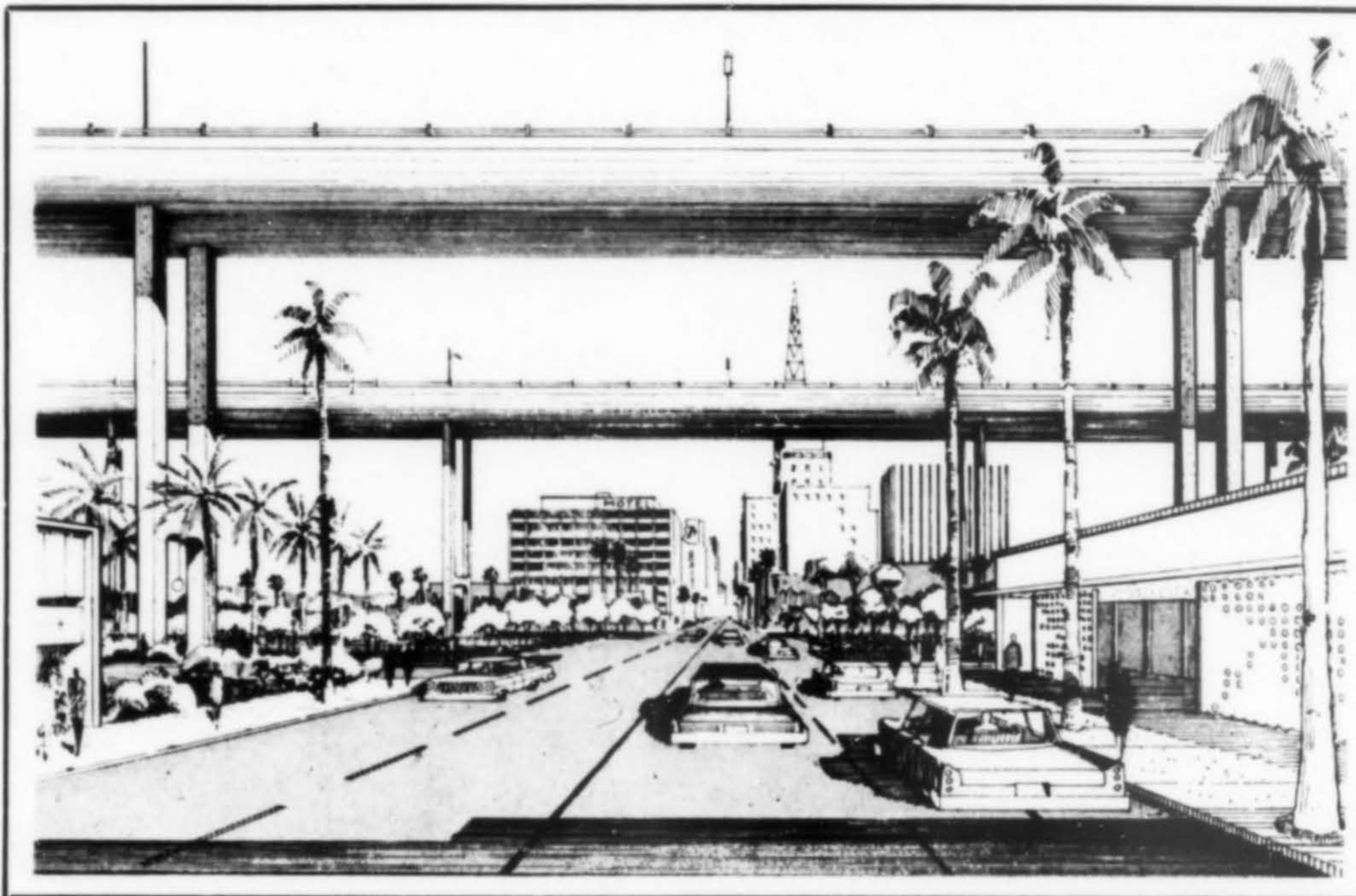


Surface Transportation

PAPAGO FREEWAY Phoenix, Arizona

JOHANNESSEN & GIRAND, Inc.
Consulting Engineers

JAMES W. ELMORE & ASSOCIATES
Architects



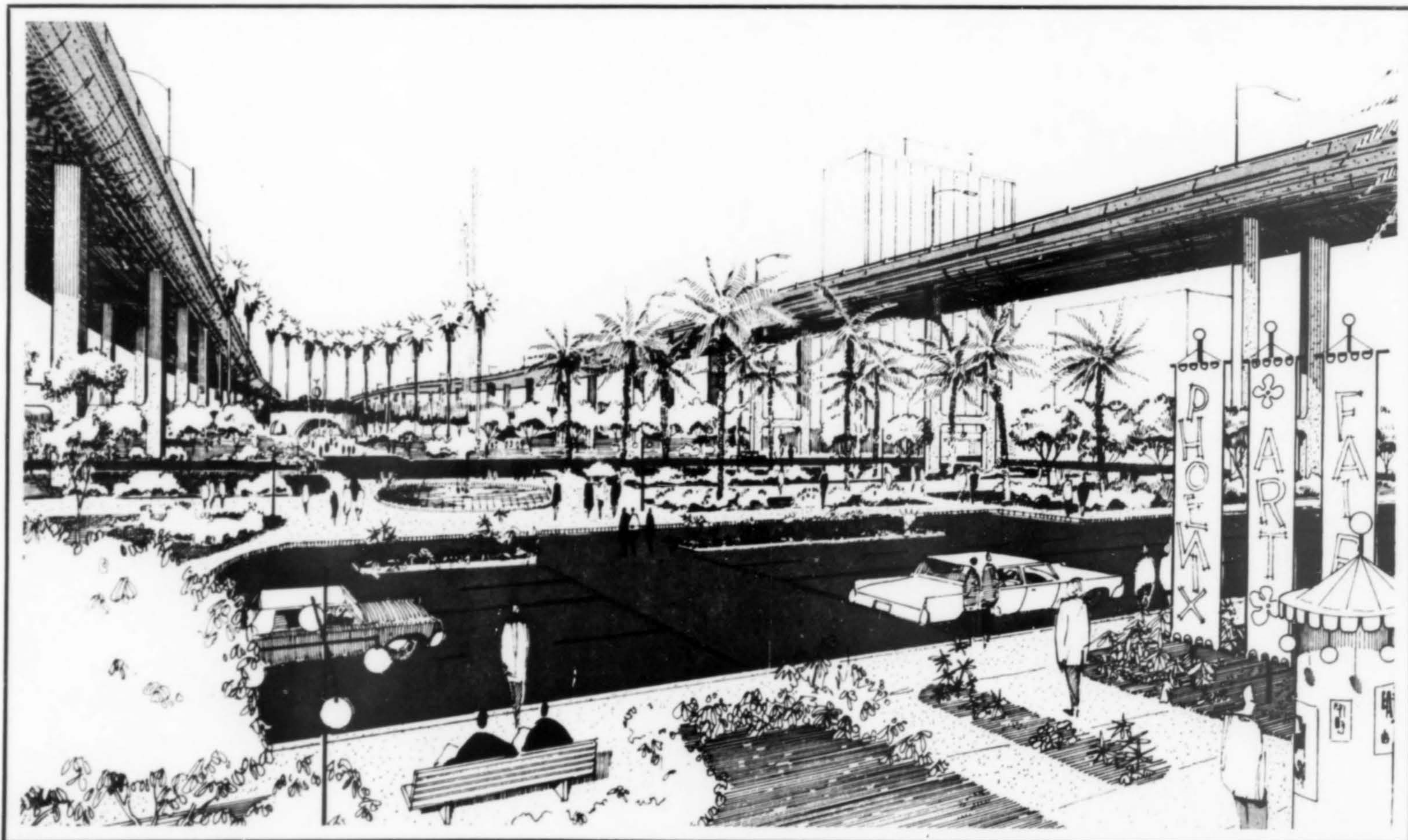
IN STUDYING the proposed Papago Freeway, which will cross the city of Phoenix, the consultants submitted preliminary reports on three configurations: (1) the depressed concept; (2) the elevated concept and (3) the variable grade concept. Their comments on an elevated parkway are presented here.

Familiar examples of freeways elevated on earth banks demonstrate that this configuration inflicts visual and economic damage on existing neighbor-

hoods by creating solid separations. Elevation of the parkway on piers would permit it to be perceived in the same way that buildings are seen and felt and would be more compatible with the environment. Widely spaced piers would preserve horizontal views and require no closing of streets.

Central Avenue, the city's main thoroughfare, encounters the freeway about midway. This is clearly the most important crossing in the city.

The prospect of a freeway, eight lanes wide and elevated on either an earth wall or a forest of columns over an oppressive wasteland, alarms the average citizen. But, if the elevation of the roadway above Central were not 25 ft. but 100 ft., there is no longer a barrier. Instead of a single massive structure, widely spaced piers deriving their forms from the structural demands on them, frame the views uptown and downtown.



**PORTABLE PARKING
STRUCTURES
California**

**SAM WACHT & ASSOCIATES
Architects**

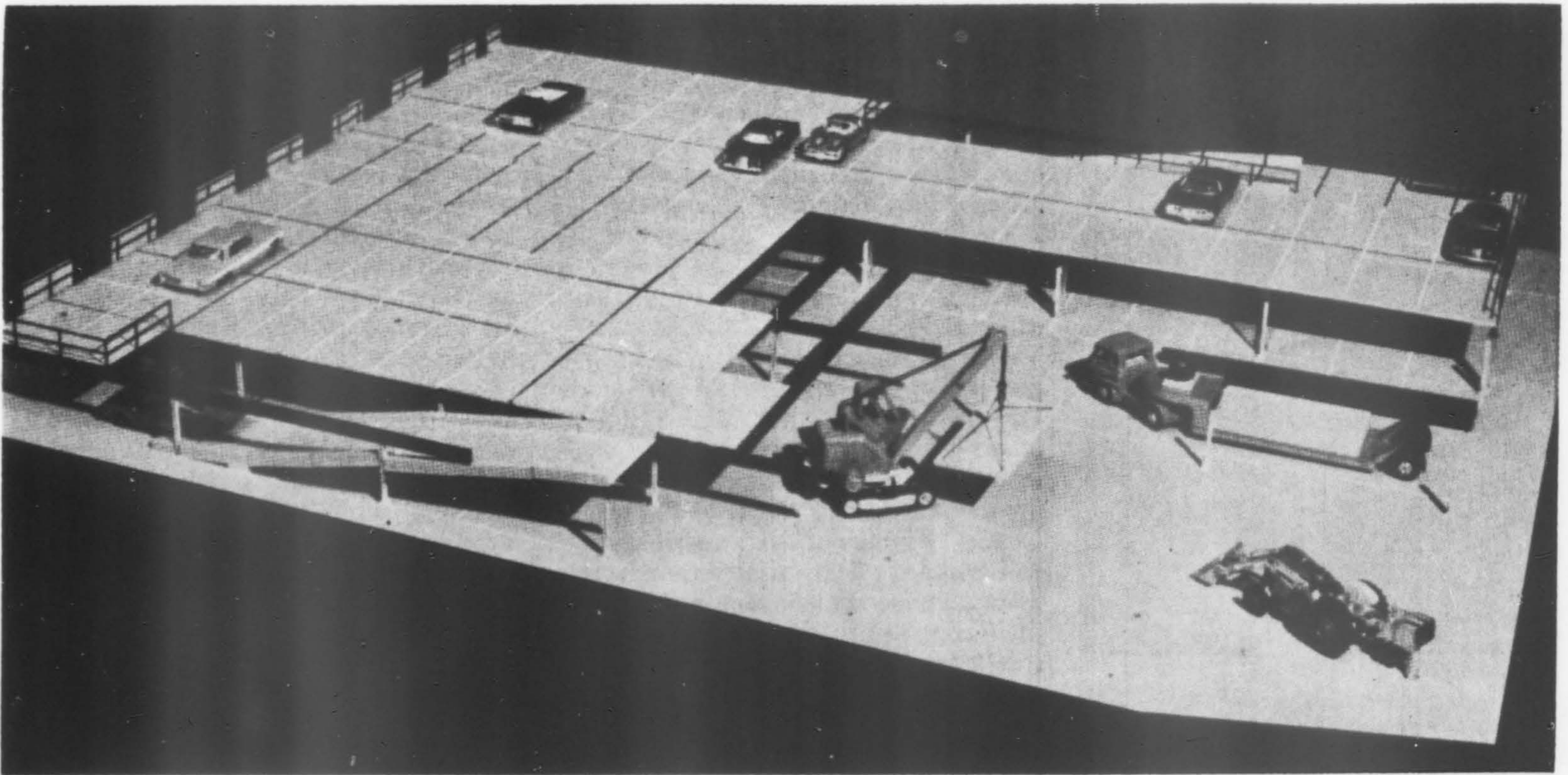
LAND COSTS, the lack of parking space, the need to provide those with leased property with parking facilities, led Charles Bentley, industrial engineer, to design a portable parking structure. He proposed it for interim use, but with permanent characteristics so that it could remain where located if so desired. All local building codes, wherever erected, were met by the design. The firm, founded two years ago, retained architects to assist in design. (The services of independent professional consultants for site study, analysis and design data, are utilized on each project.)

Modules and components are standardized for one or two decks above ground. For purposes of portability, the structures are presently limited to two decks above ground or a three-story structure. Minimum site dimensions ideally are no less than 18,000 sq. ft. for self parking; 15,000 sq. ft. for attendant parking on one deck above ground. (The exact configuration is not usually critical, but a lot 20'x900', for example, would not be a practical site.)

When two decks above ground are involved, an ideal minimum requirement would be 30,000 sq. ft.

The specifications generally require approximately one foot of ramp for each 10 ft. of dimension calculated on the basis of a 30,000 sq. ft. structure and a 20-ft.-wide ramp. This would be approximately 10% of the site. On a larger site, the percentage of ramp to structure will decrease and the converse will be true where the structure is smaller than 30,000 sq. ft. The precise exit and entrance requirements will be dictated almost 100% by the site configuration.

Erection time for a 30,000 sq. ft. unit is 21 days, made possible by the prefabricated standard components. If it is necessary to move the structure, it can be dismantled, re-erected and re-furnished on another site for less than \$2.00 per sq. ft. Everything, except the footings are reuseable. Major suppliers for the structures are Bethlehem Steel and the precast concrete division of Interpace. Several installations have been made in California.



Surface Transportation

TRANSPORTATION GRAPHICS

PETER CHERMAYEFF

(Abridged from the article, "Design in Transit," as published in Arts Magazine, December/January 1968)



TRAVEL BY TRANSIT has become for most Americans an unpleasant experience to tolerate or, if possible, avoid. . . . Anyone lucky enough to have an alternative will naturally use it, and as a result vast numbers of potential passengers are drivers. Only the urban

poor (those who can't afford a car or parking fees) or the trapped (those who can't move their car in the traffic jam or find a parking place) use transit consistently. They have no choice. . . .

Boston's transit system began a program of environmental design in 1965, and is becoming a demonstration to the country of the impact of design—both in remodeling old facilities, and in building new ones. It was perhaps the first large existing system to take a comprehensive look at itself, in order to first carefully define its environmental problems, and then begin to solve them in a system-wide way and with consistent quality.

What are the ingredients of this quality? In general terms, the analysis produced many obvious needs. Trains can be more clean, bright, comfortable and quiet. Not so obvious is that they can also be informative. They can tell you where you are going. Similarly, stations can be clean, bright and cheerful. But, more important, they too can be informative. They can tell you where you are.

We found that one of the most important missing ingredients in transit systems, clear information, became a guiding principle, influencing design decisions at every scale, from tokens to architectural space. . . .

The first specific orientation need is to make the system as a whole visible. We developed the symbol T, not because it was original (Stockholm uses it, meaning *Tunnelbanen*) but because it works, meaning transit, transportation or travel. It's visible at a distance when identifying a station location or a bus stop. It's comprehensible to strangers and to foreigners speaking other languages. It acts as a word. One can ride the "T".

A second basic orientation need is to give a transit system a visible structure. Very few people, whether in Boston or other cities, can visualize their city's shape, and much less can they visualize the skeleton of the city—the transit system. We found that many people will not make a trip unless they have a mental image of their route in advance. The solution in Boston was to color-code the lines, and to give the lines corresponding new names: Red Line, Green Line, Orange Line and Blue Line. And the structure was made easy to remember by developing a diagrammatic map that excluded all information other than station names, so that route decisions could be made at a glance.

Buses operating throughout the metropolitan area extend the color-coding even further. Since most of them terminate at one end of their route at rapid transit stations, their destination signs, on the front and side, carry the color of the line as a background, backlit at night.

Another aspect to this guiding theme of orientation is hardware design. The most important feature of the new standard turnstile is its pointed nose, 'telling' the passenger on which side of it to pass. A new exit gate, with its necessary rows of fixed and rotating vertical teeth, appears visually open on one side, closed on the other, thereby 'telling' the passenger how it rotates.

And perhaps most important, we found that architectural spaces can be informative. The passenger who looks up from an underground platform and sees daylight, or a view of trees, or buildings, knows where he is. The impact of this knowledge is far greater than the impact of 'pretty' structure or 'attractive' materials. . . .

Many of the existing stations must remain simple holes in the ground, and the goal of orientation through a 'sense of place', requires another solution.

Arlington Station, the prototype that was completed in August, demonstrates our idea of reflecting the station surrounding through porcelain enamel photomurals at the platforms. . . . Recognizable images, such as the swan boat in this case, 'tell' him that he is passing under the Boston Public Garden. It makes Arlington Station a memorable 'place', a part of the city with a special character of its own, and therefore far more than a hole in the ground.

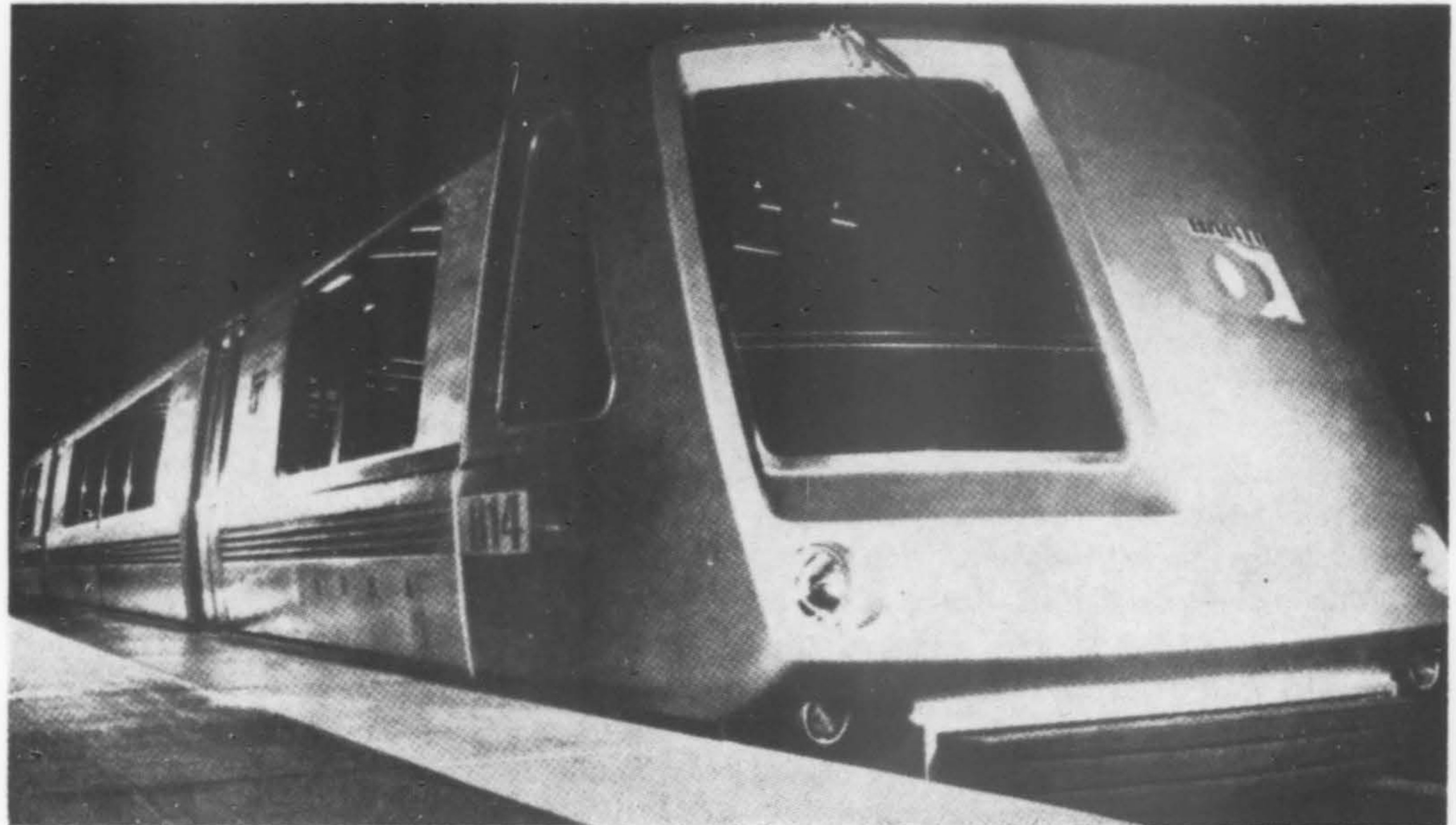
Other prototype items and guidelines for the whole program are a new system of directional signs, new glare-free lighting fixtures, new benches, new flooring and wall tile and new lighted advertising frames. The posters are located exclusively across the tracks where they become a visual relief and changing exhibition to the waiting passenger. This relocation of advertising does more than anything else to eliminate the current slum-like chaos of the downtown stations.

All these ingredients, and others, add up to a new kind of organized, animated and informative environment. Detailed standards and guidelines, in manual form, assist dozens of different architects in carrying out individual stations without loss of consistency. A process is established. Continuity is possible.

RAPID TRANSIT NEWS SUMMARY

San Francisco
Denver
Los Angeles
Seattle

SAN FRANCISCO



(The following is abridged from the chapter "Design Procedures for the Bay Area" by Tallie B. Maule and John E. Burchard, as published in the Journal of the Franklin Institute issue on "New Concepts in Urban Transportation Systems," November 1968.)

There have been great problems in BARTD which others planning metropolitan systems ought to ponder.

ONE: BARTD is not an integrated metropolitan transport system. It is more nearly a high-speed, luxurious interurban and commuter service extending well into the country. It is capable of some local use in the downtown areas but it does not provide really convenient access to most of the important points in San Francisco. Over in the East Bay its relation to the main things in Oakland is but little better while the walk to any central point on the Berkeley campus of the University of California will be long and tiring and all uphill. **If BARTD does become a big transportation success it will be because somebody else has provided all the feederlines, separately owned, separately managed, and jealously so; it will be because private motor cars have played a major role in delivering commuters to outlying stations as a sort of revival of the old song about the 5:15. The people of the Bay Area never really discussed whether what they actually wanted was an integrated transportation system, and they went out of their way in the BARTD charter to be sure that the BARTD directors and management did not indulge any illegitimate aspirations of that sort.**

. . . We know of no system yet in advanced planning in the United States that promises this. BARTD will be something which many people of the Bay Area can use and enjoy and something

of which they can be proud, but it will not serve the metropolitan area in the way the networks of the Paris Metro or the London Underground do.

TWO: One of the conditions implied in the premises of BARTD and the one almost always implied in American systems is that it should hopefully become self-supporting at a very early date. This imposes conditions which may or may not be favorable to the rational development of an area. It almost guarantees that the route shall be designed to tap the largest concentrations of potential customers and thus must, perforce, ignore more delayed developmental potential such as might occur when a line moves into an undeveloped area; it may even tend to put the line through centers of relative affluence rather than through the pockets of poverty which have more need for it. . . .

A single fare system (rather than graduated fares), though much simpler, would have raised other difficulties. **But the philosophical question remains whether metropolitan public transit is not of such fundamental necessity to the lower income groups who need it most and who cannot possibly pay the fares required by a deficit-free system, that fareless or almost fareless public transport would not be the logical thing for a modern city; it does seem easier to gain public support for Astrodomes.**

THREE: A system like BARTD will inevitably bring enormous economic advantages to many and perhaps dis-economies to a few. But neither is planned. The narrowness of BARTD's powers coupled with the lack of real planning preparedness in any of the

communities in which BARTD is being built to serve, guarantees this. . . . The major ingredient was missing, the power of the transport district to make its own investments which might have then helped to subsidize the transportation itself; or at least to be able to make enough land in the neighborhood of all stations, except the most central ones, to ensure the kind of orderly development whereby the public interest as well as the private might have been fostered. Such powers could have been adequately guarded against abuse, as they presumably have been in Montreal. They would have materially increased the flexibility and amenity of station design and promoted a much better total system. . . . **It is a pity that wider powers were not given which could have led to major local improvements so that the major fruits would not fall, often by sheer accident, to small and frequently not very civic-minded entrepreneurs from morticians to minor-league supermarket owners.**

FOUR: The early history points up an example of another important, common problem in the design of complex systems where many skills are needed and where no one should be dictatorially dominant even if his field accounts for a large percentage of the work. **The real problem in any large venture is not the profession of the skipper but his quality.** Most of the time engineers will probably have the leadership. It is not the fault of most of them that they feel architecture and landscaping are a sort of nice cosmetic which can be applied if there is enough time and money in the end. Little of their education or even their subsequent experience causes them to realize

Surface Transportation

that the landscaping and the architecture will be better if all the principals participate in the very first decisions when conditions are being set. Not all early engineering decisions have the stamp of inevitability. Debate usually exists even within the limits of engineering criteria, and very often in the end no measurable set of facts can point to one decision as being uniquely rational.

The establishment of genuine dialogue between all the designing and planning teams *at the very beginning of decision making* and the consistent follow-up to be sure that the dialogue continues and that no eager beaver is to be allowed to swim against its tide, this is the only way around a great difficulty which is not caused because any participant is intentionally evil or stupid.

SEATTLE

SEATTLE VOTERS made their choice between a domed stadium and a rapid transit system when Forward Thrust package was presented to them in 1968. The \$385 million bond issue for a combination rail-bus system was soundly defeated because it failed to get the necessary 60 percent vote. Transportation planners and Forward Thrust officials, however, plan to submit a new proposition to the voters in 1970.

A preliminary study of the traffic situation in Metropolitan Seattle was made by DeLeuw, Cather & Company, consulting engineers, in association with architects Naramore, Bain, Brady & Johanson; urban designers Okamoto/Liskamm; economists Development Research Associates, and soils engineers, Metropolitan Engineers. Their report, and recommendation, on a comprehensive public transportation plan for the area, was for the combination rail-bus system. Recent studies indicate that this is still the best solution to the problem. The natural configuration of the city lends itself ideally to rapid transit plans.

Mayor J. D. Braman, a proponent of the rapid transit system for the city, was recently appointed to a newly created post on urban transportation in the Nixon administration, reflecting his study and interest in the transportation problems of metropolitan areas.

LOS ANGELES

LOS ANGELES sprawls into so many areas of suburbia that experts believe a rapid transit system may never work well for that city. The need is there and a subway system would seem the answer for the increasing traffic problems inherent in a large metropolis, but the people are obviously not yet willing to tax themselves further. The proposed system was presented to the voters at the last election and met resounding defeat. However, plans are being made to return the proposition to the voters, hopefully next year. It will undoubtedly take another financing plan to make it palatable to Los Angeles area citizens.

Los Angeles is the most auto-oriented city in the entire nation. It will be difficult to re-orient the Angelenos to other modes of transportation. In addition, the area itself does not easily adapt to transportation systems. Like New York, it would take a myriad network to make any system really work.

The joint-venture consulting engineering teams of Kaiser Engineers and Daniel, Mann, Johnson & Mendenhall recommended a five-corridor first stage of the total 300-miles estimated to cost \$2.5 billion. These five corridors, all funneling into the urban core, will serve the San Gabriel Valley, the San Fernando Valley, the Wilshire-Westwood-UCLA complex, the Long Beach area via South Los Angeles, and the Airport-Southwest area.

Of the total 89 miles of the first-stage, 29 miles will be in subway, 14 miles at surface, 36 miles on elevated skyway, 4 miles in open cut and 6 miles on embankment. There will be 65 stations along this first section. It is estimated that it will take eight years to complete this stage.

Los Angeles is presently served by the Southern Rapid Transit District—a bus system.

DENVER

DENVER'S proposed rapid transit system would link downtown with the suburbs by bus, train and monorail. The first mass transit study for the area was made in 1963. Subsequently, it has been re-studied, and has drawn much fire from the citizens of the areas involved: Denver, Adams, Arapahoe and

Jefferson counties. In 1967, a Citizens Advisory Committee to the Technical Steering Committee of the Denver Metropolitan Area Transit System (DMATS), reviewed the proposals and made their recommendations. The CAC (of which architect Alan Golin Gass, was a member, representing the American Institute of Architects) involved a wide variety of interested groups from the various Chambers of Commerce to the League of Women Voters. Their comprehensive analysis of the DMATS serves as a basis for new transportation studies.



Urban Transit in the U. S.

Urban mass transportation on separate right-of-way has begun its second century, having originated in the London Subway of 1863, and in New York, the elevated commenced in 1866. The following chronology is interesting:

1892 Chicago Elevated & Loop

1897 Boston Elevated

1904 New York: the first American subway line

Though some existing systems were extended, no new North American systems were started until comparatively recent times.

1943 Chicago's downtown subway

1954 Toronto's Yonge Street line opened

1955 Cleveland's first line

1966 Montreal Metro opened



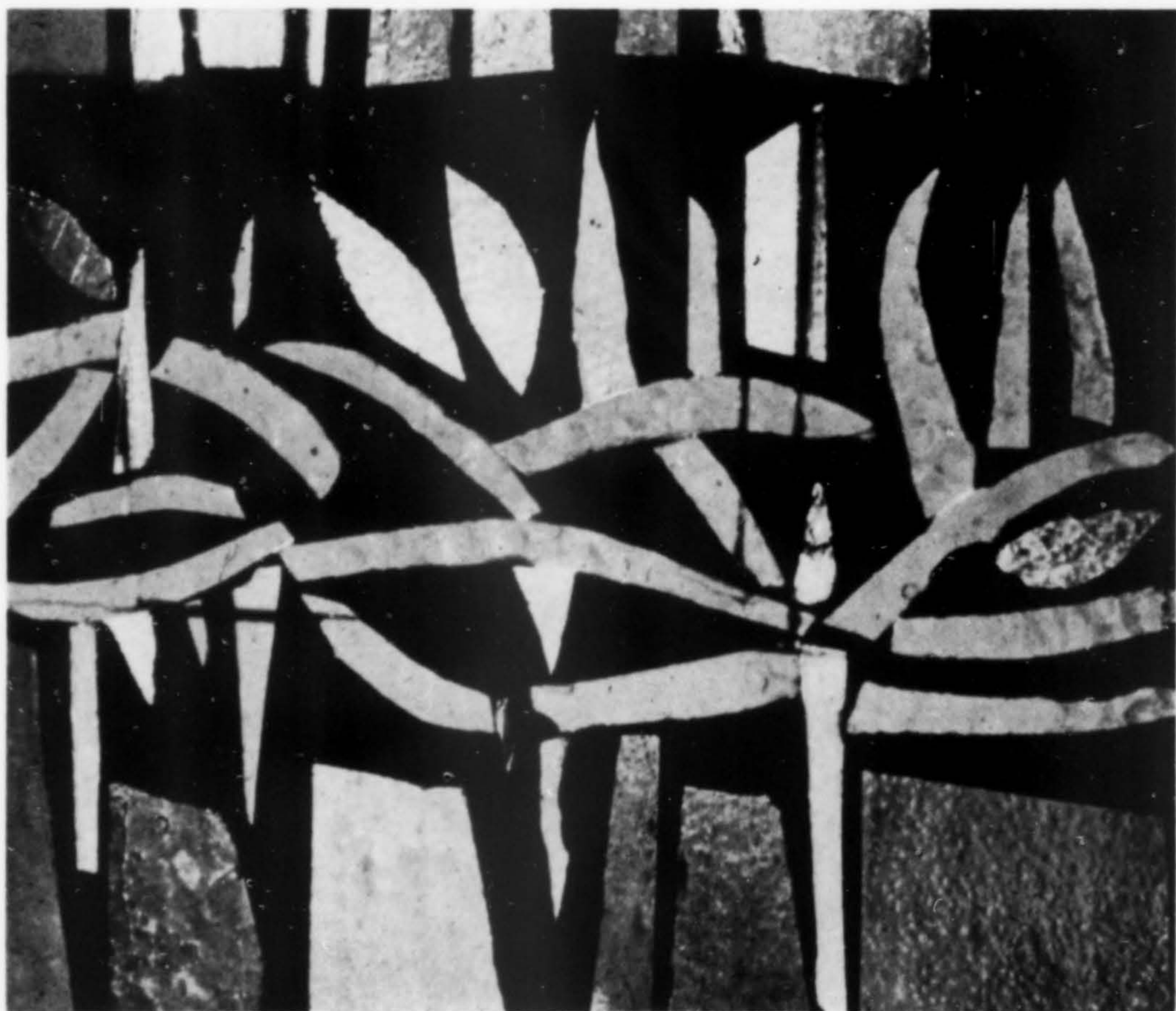
ARTIST VINCENT O'BRIEN works in many mediums, one of which is a technique in laminated glass that he has perfected. The "double laminate" is plate glass with stained glass bonded to both sides, allowing for the overlapping of colors and increasing the range and subtlety of color. A specially formulated opaque epoxy group fills the interstices to a flush surface. An important factor in this technique is the savings in labor time, reducing cost to about half that of leaded glass. An example of the double laminate is shown in the illustration, lower right.

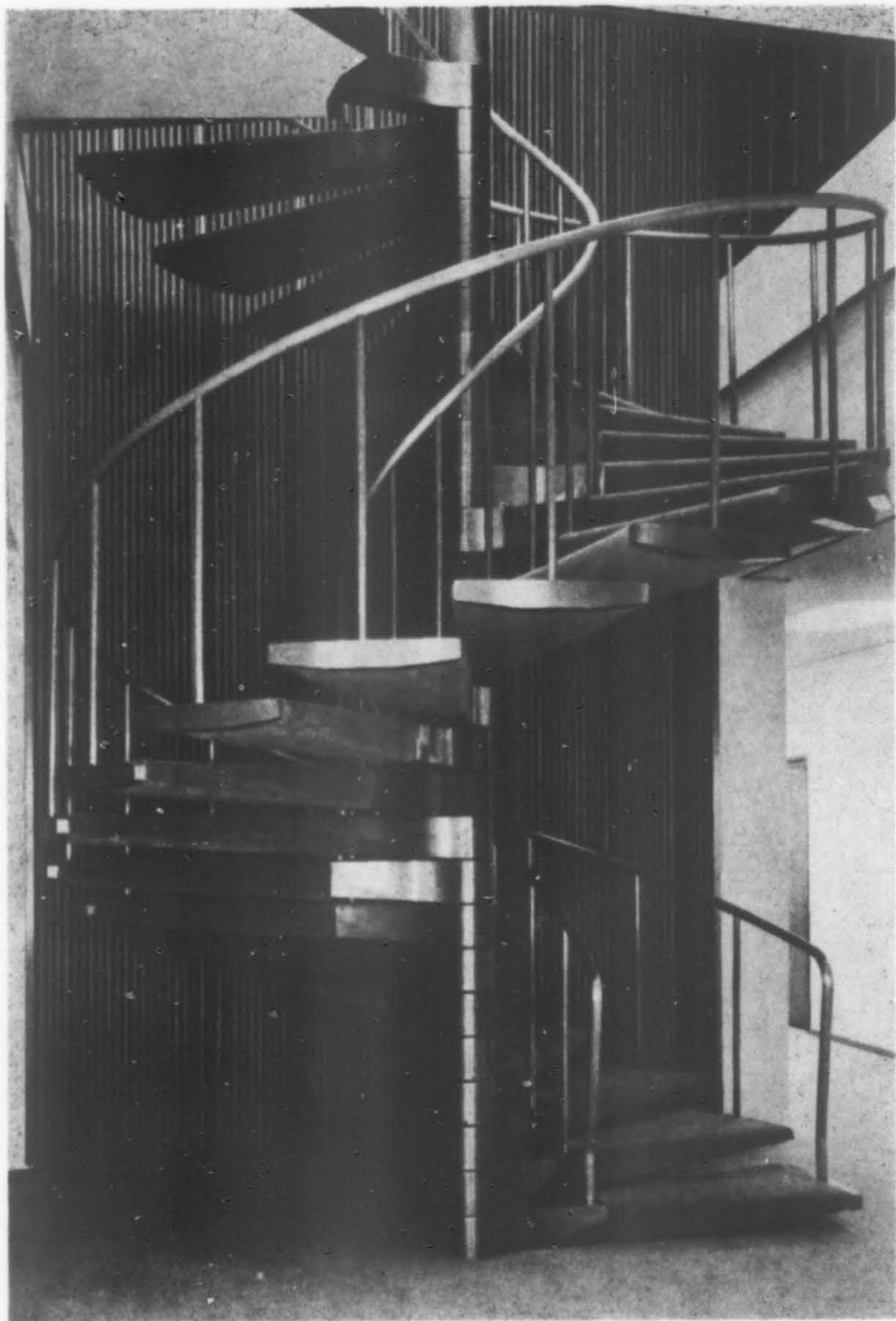
The other illustrations on this page are examples of faceted thick glass set in epoxy. The faceting, or chipping, of certain edges adds a prism-like effect and magnifies and diffuses the light in an unusual way.

O'Brien, a graduate of Cranbrook Academy and the Academie Leger in Paris, is an associate professor in the school of Art & Architecture at the University of Idaho, and is on the staff of the Fine Arts Center, Colorado Springs, where he has taught painting and drawing for the past ten years. Architectural commissions have included murals, sculpture, bronze doors and stained glass work.

Design/West

**Vincent O'Brien Design Studio
Colorado Springs, Colorado**



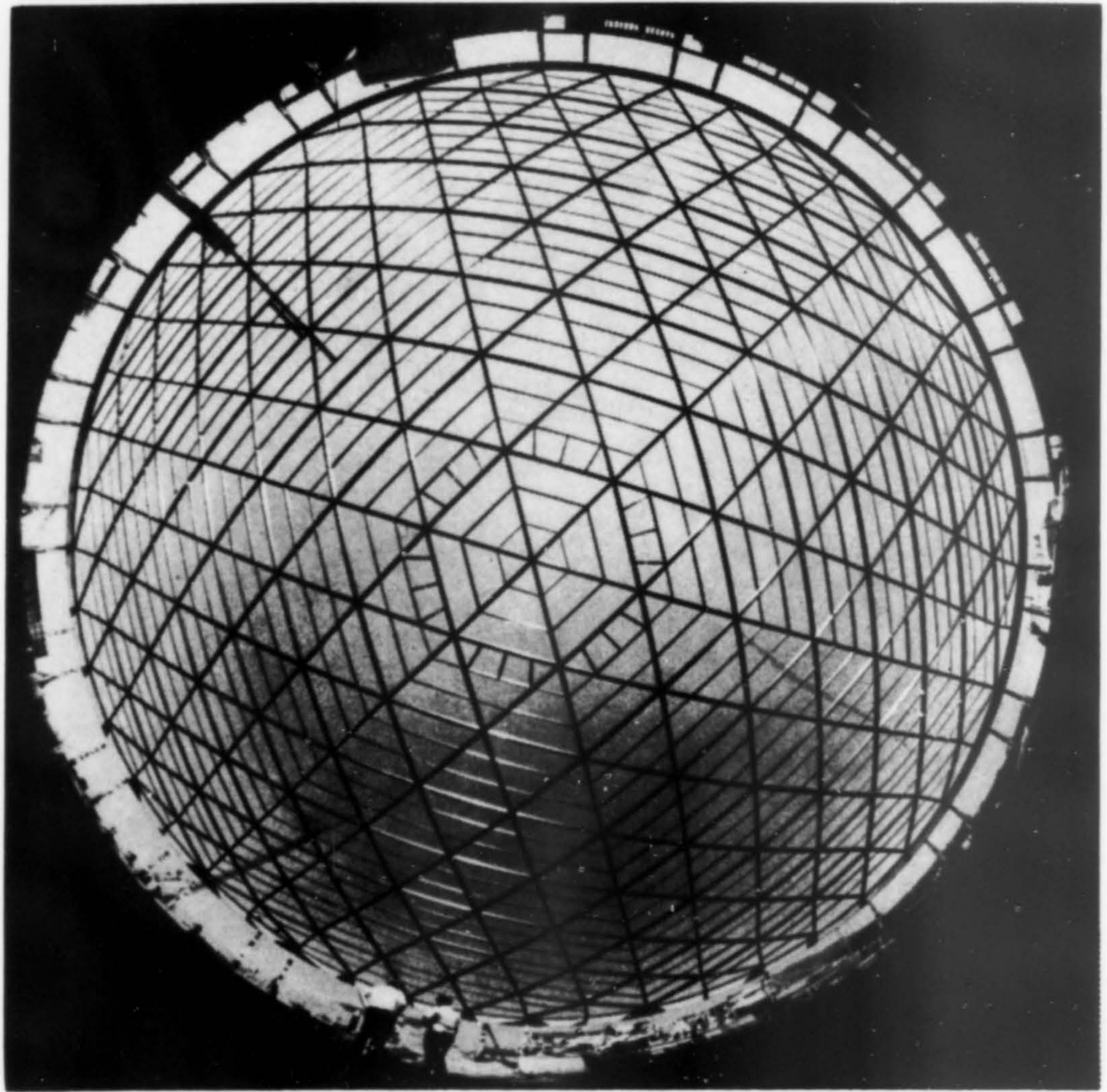


PRODUCTS in ACTION

OREGON BRASS WORKS

ONE OF THE FEATURES of the new Evans Products building in Portland is the bronze helix-shaped cantilevered stairway connecting the board room in the penthouse with the executive offices on the floor below. Fabricated and installed by Oregon Brass Works, the stairway is 10 ft. in diameter, center-hung from a bronze-enclosed column of structural steel, 27-ft. high. Treads are cast of light statuary bronze with internal steel reinforcing and covered with gold color carpeting. The handrail is natural satin bronze. Total weight of the stairway is 10,000 lbs. Bear, McNeil, Schneider, Bloodworth & Hawes were architects for the building; Ross B. Hammond Company, general contractor.





Methods and Materials

TIMBER STRUCTURES, Inc.



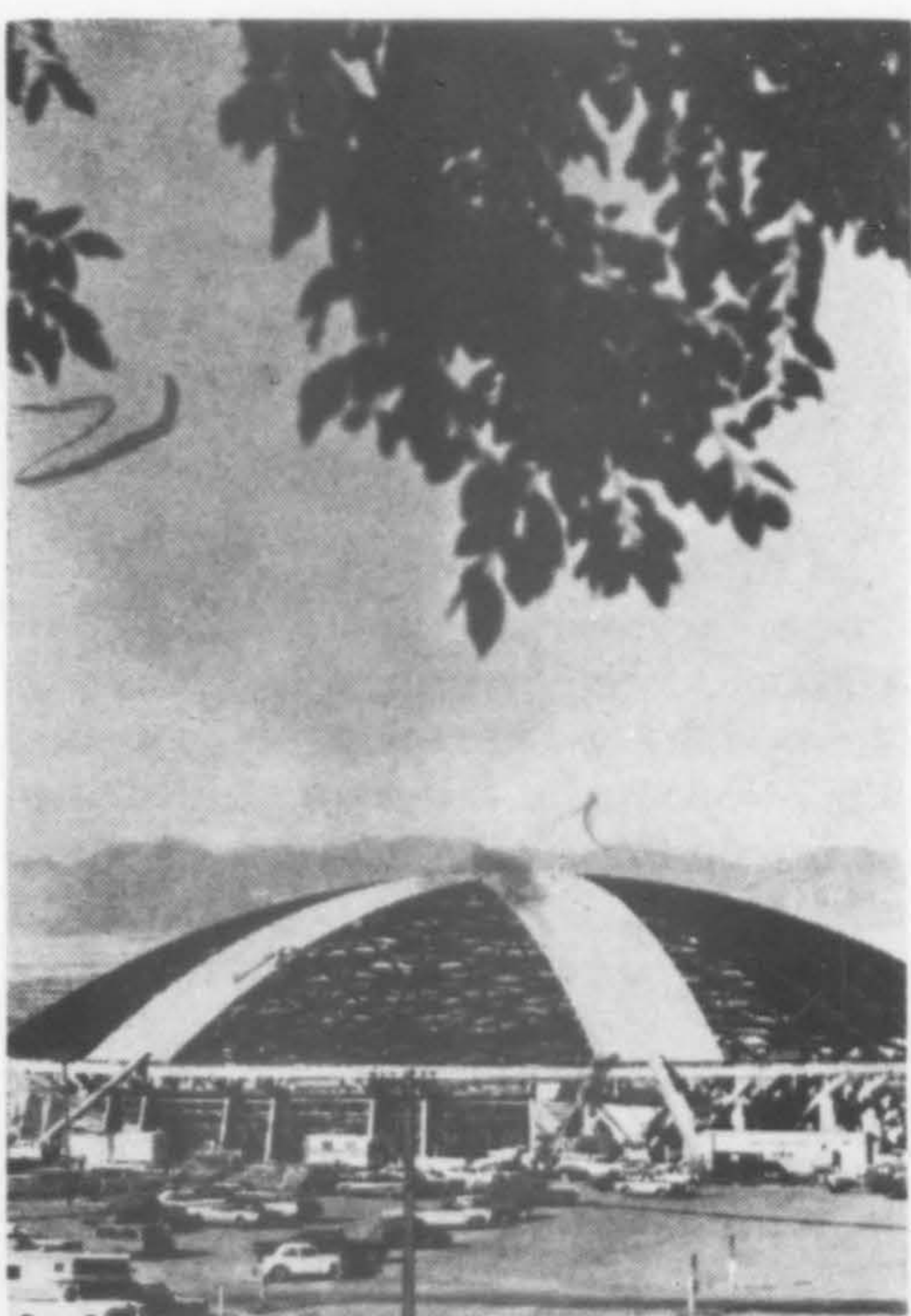
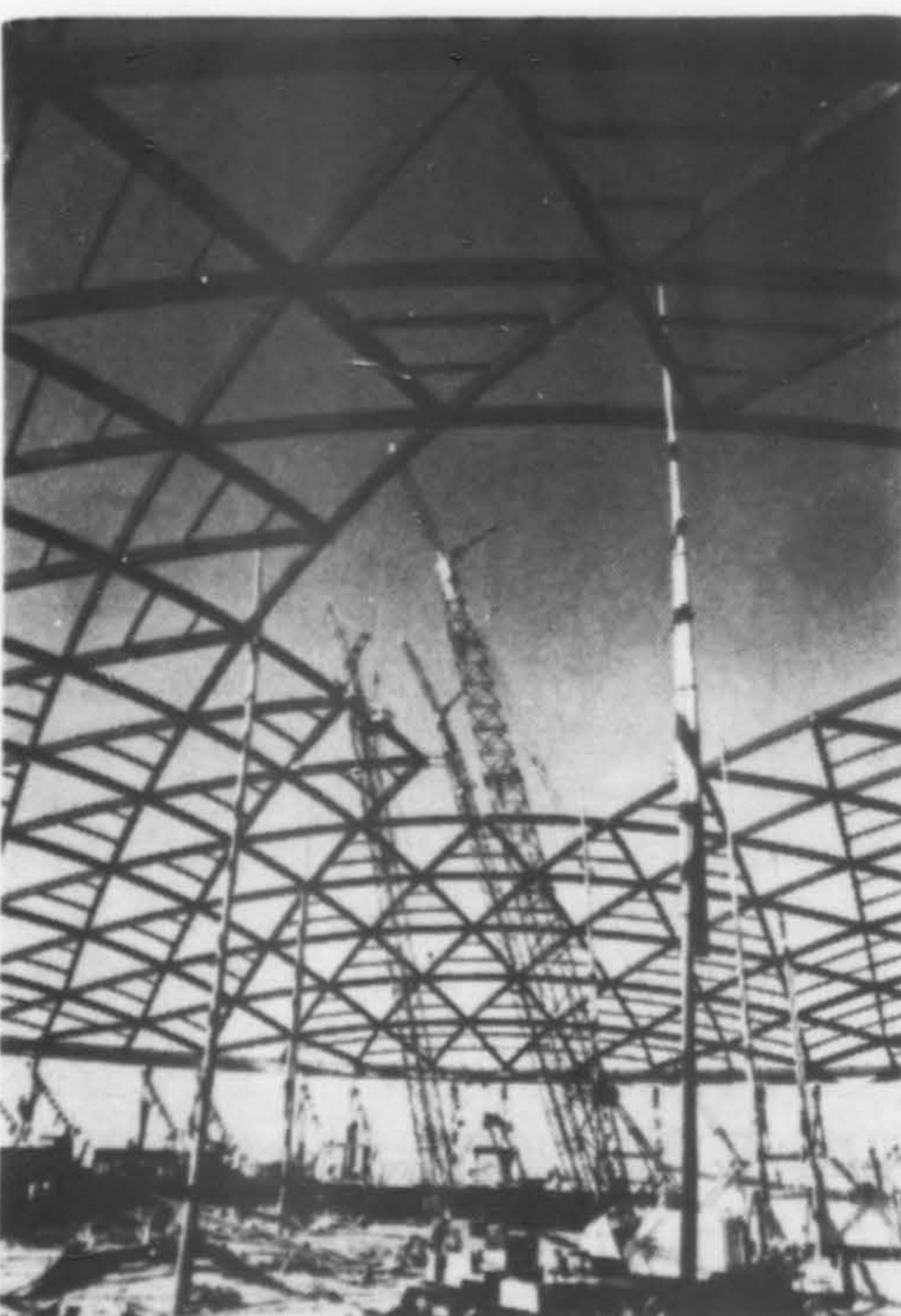
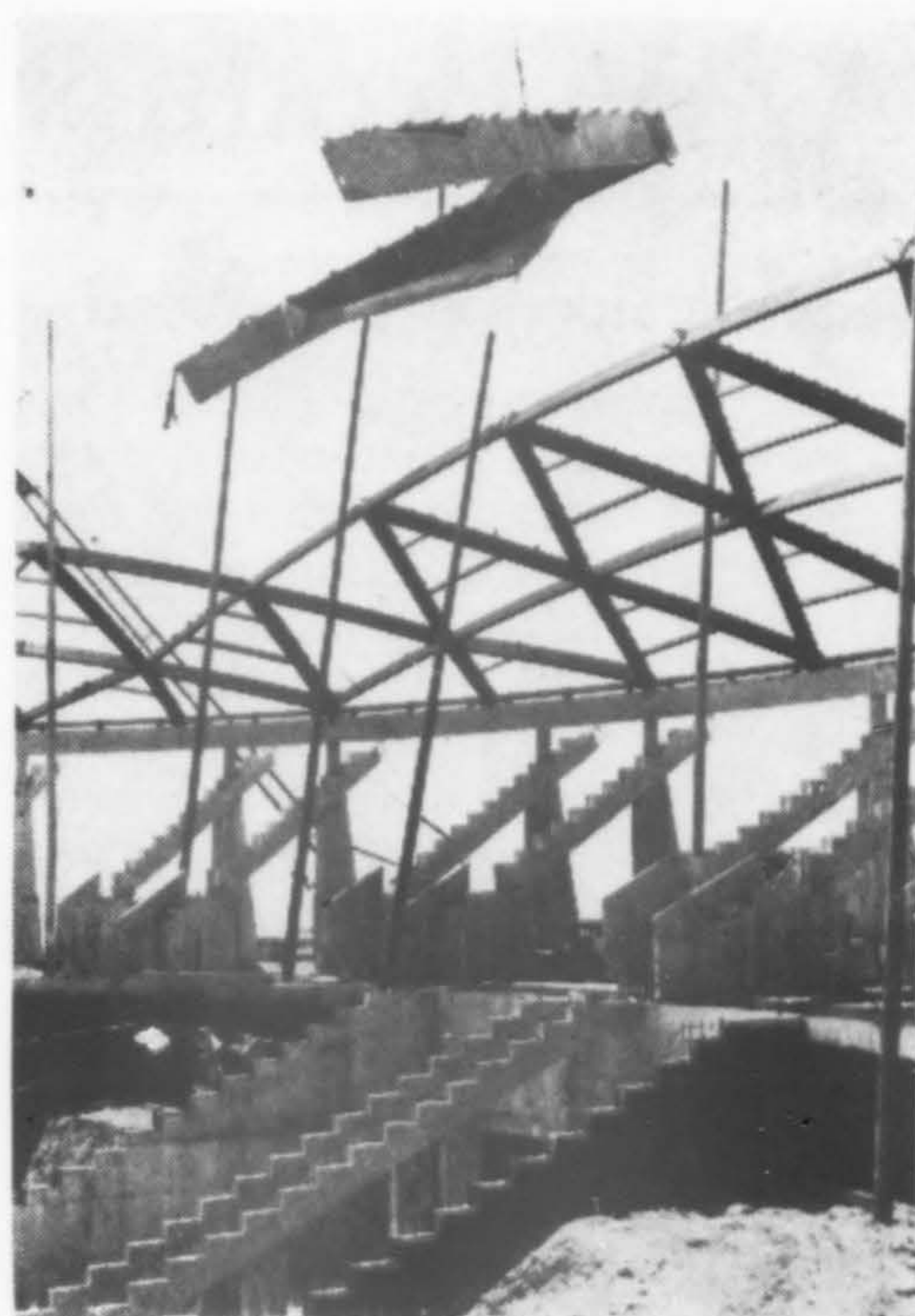
BELIEVED TO BE the largest clear span wood building in the world, the physical education facility at the University of Utah features a Triax dome, an exclusive design of Timber Structures, Inc. The 360-ft. dome covers an area of 2.4 acres without interior posts or supports of any kind.

The roof structure is formed of laminated timber segments joined by engineered steel connections. A deck of 2-in. timber covers the dome. The dome was partially assembled on the ground and raised into position with the protective paper wrapping still in place. Purlins were placed in position between triangular sections to provide a nailing base for the decking. The dome contour is curved on a radius of 288'-11".

Almost half a million board feet of kiln dried lumber was used in the dome members, and an additional 229,000-ft. in decking. Thirty railroad cars were required to ship the dome members, steel connections and decking from the Oregon plant to the jobsite in Salt Lake City.

The field house, designed by architects Young and Fowler Associates, houses the basketball pavilion, dressing and equipment rooms and quarters for the physical education department of the university. Seating capacity at basketball games is 15,000 with every person having a clear, unobstructed view of the play. Suspended from the ceiling is a platform supporting the scoreboard, TV broadcast facilities, arena lights and walkways. Termed "cloud nine" by the architects, the platform is equivalent in weight to eight diesel locomotives. The field house was used for the first time at the start of the current basketball season.

Jacobsen Construction Company was general contractor.



A/W Product Highlights

Asphalt Shingles Like Wood

A new asphalt shingle manufactured to combine the appearance of a random wood shake roof with the economy and fire protection of asphalt shingles has been introduced by Celotex. Called the Barrett Traditional Shake, it provides extra deep shadow-lines and double coverage. It is available in three colors: Cedartone, Slate-tone and Woodtone.—The Celotex Corp., Tampa, Florida.

Circle No. 300 on information card

Formica Adds New Black

A second "black" has been added to Formica's solid color line. Offered for a wide range of decorative applications, the new melamine surfaced black, 909, is available in the Standard Collection in non-glare suede and glassy furniture finishes. A phenolic surfaced black, 85-274, is recommended for laboratory counters and other heavy duty applications and is part of Formica's Custom Collection.—Formica Corp., Los Angeles, Calif.

Circle No. 301 on information card

Polyester and Stone Fountains

The first polyester and stone drinking fountains have been introduced in a new line for interior and exterior use.



The fountains are available in 10 different styles and in five standard colors. Custom matching is also available. The hard polished polyester finish is said to be easily maintained, resist chipping and staining. The stone construction adds strength to withstand the severest weather conditions. A complete line of emergency safety equipment is also offered.—Western Drinking Fountains, Inc., San Leandro, Calif.

Circle No. 302 on information card

Versatile Vinyl Wall Covering

A vinyl wall covering called GENON, offered by The General Tire & Rubber Company, is said to have more than 600 colors, textures and effects. It is designed and engineered to endure heavy institutional and commercial traffic and still satisfy sophisticated decor requirements. Patterns run from subtle silks and stipples to natural materials and decorative designs. Custom colors, custom embossing and custom silk screening are available. The wall covering is available in three weights, ranging from 15 to 36 ounces, in 53/54" widths and meets all government specifications, including fire resistance. It is said to be chip and crack proof and to resist staining, scuffing, abrasions and mildew. A Tedlar finish is available on most patterns.—The General Tire & Rubber Co., New York City.

Circle No. 303 on information card

Low Profile Roof Ventilator

A new low profile aluminum roof ventilator called the C/S Lo-Pro Penthouse offers an unusually low silhouette. It is said to pack the same high free areas into half the height of conventional louvered penthouses of equal width and length, and the manufacturer claims it is weather-tight. The ventilator is 10 and 3/4" high with a full 6" roof overhang and a 5" drop to protect the louvered face. For extreme weather conditions, an internal baffle is offered. Twenty-two stock sizes are available.—Construction Specialties, Inc., Cranford, New Jersey.

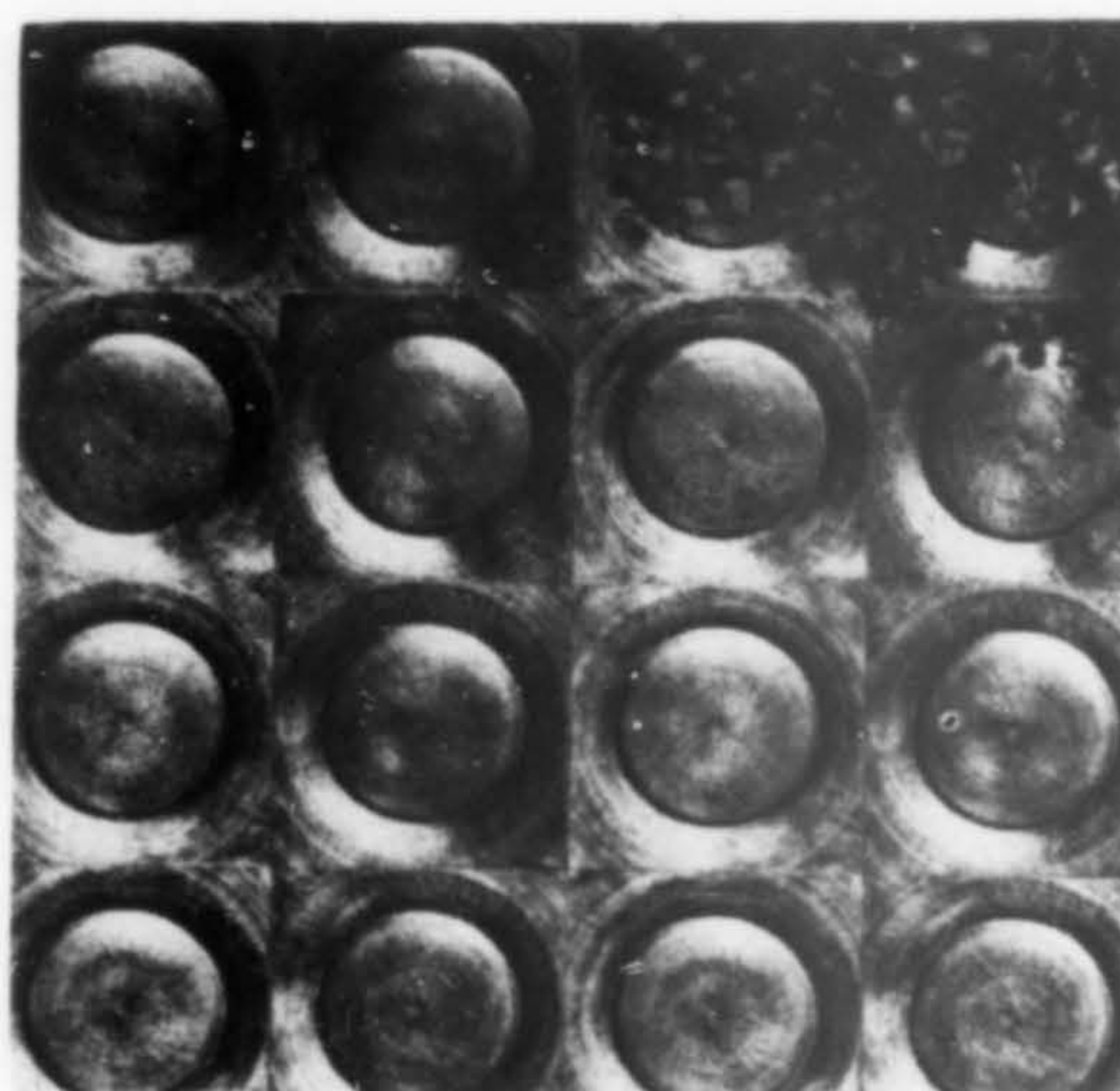
Circle No. 304 on information card

Black Aggregate from Sanspray

A new black aggregate "face" is now offered by Sanspray, manufacturers of stone-on-plywood panels. Factory-finished with a base of DFPA plywood and a surface of textured quartz and marble chips, the panels can be sawed and nailed in place for use as roofing, exterior siding, soffits, spandrel panels, fascias, facades and, fencing. Sanspray Stone Panels come in a number of color combinations ranging from Northern White to Tangerine. They are FHA-approved for use with sheathing and are said to never require painting or maintenance.—Sanspray Industries, Inc., New York, New York.

Circle No. 305 on information card

Handcrafted Metal Tiles



A group of handcrafted metal tiles, said to be appropriate for adding elegance to doors, walls, fascias, cabinets and fixtures, has been introduced by Forms & Surfaces. The tiles are individually sandcast in aluminum and are appropriate for either interior or exterior applications. The original designs were created by artist/sculptor Joy Verner in modular sizes of 6"x6", 8"x8", and 12"x12". Tiles are available in clear anodized, duranodic medium bronze or hand-rubbed pewter finish.—Forms & Surfaces, Panelcarve Division, Santa Barbara, Calif.

Circle No. 306 on information card

Textured Hardboard Siding

A textured hardboard siding with a factory-applied prime paint coat is called Forest TP-TEX. The 7/16" thick exterior product is manufactured in 12" and 9 1/2" widths and in lap siding length of 16'. Matching panel siding in 4' widths, up to 16' long, is available in plain ungrooved panels or with shiplap edges on panels "V" or "U" grooved.—Forest Fiber Products Co., Forest Grove, Ore.

Circle No. 307 on information card

Steel Rust Preventive Sealer

COR-T-SEAL is a clear acrylic concrete sealer especially formulated to prevent rust staining as a result of ferric oxide run-off during the weathering period of Cor-Ten, Mayari-R, or any similar high-strength, low-alloy steel. A cross-linking of two acrylic copolymers, it seals pores of concrete substrate and provides a film that endures during the three to four-year encrustation period.—The Sealube Co., Quincy, Mass.

Circle No. 308 on information card

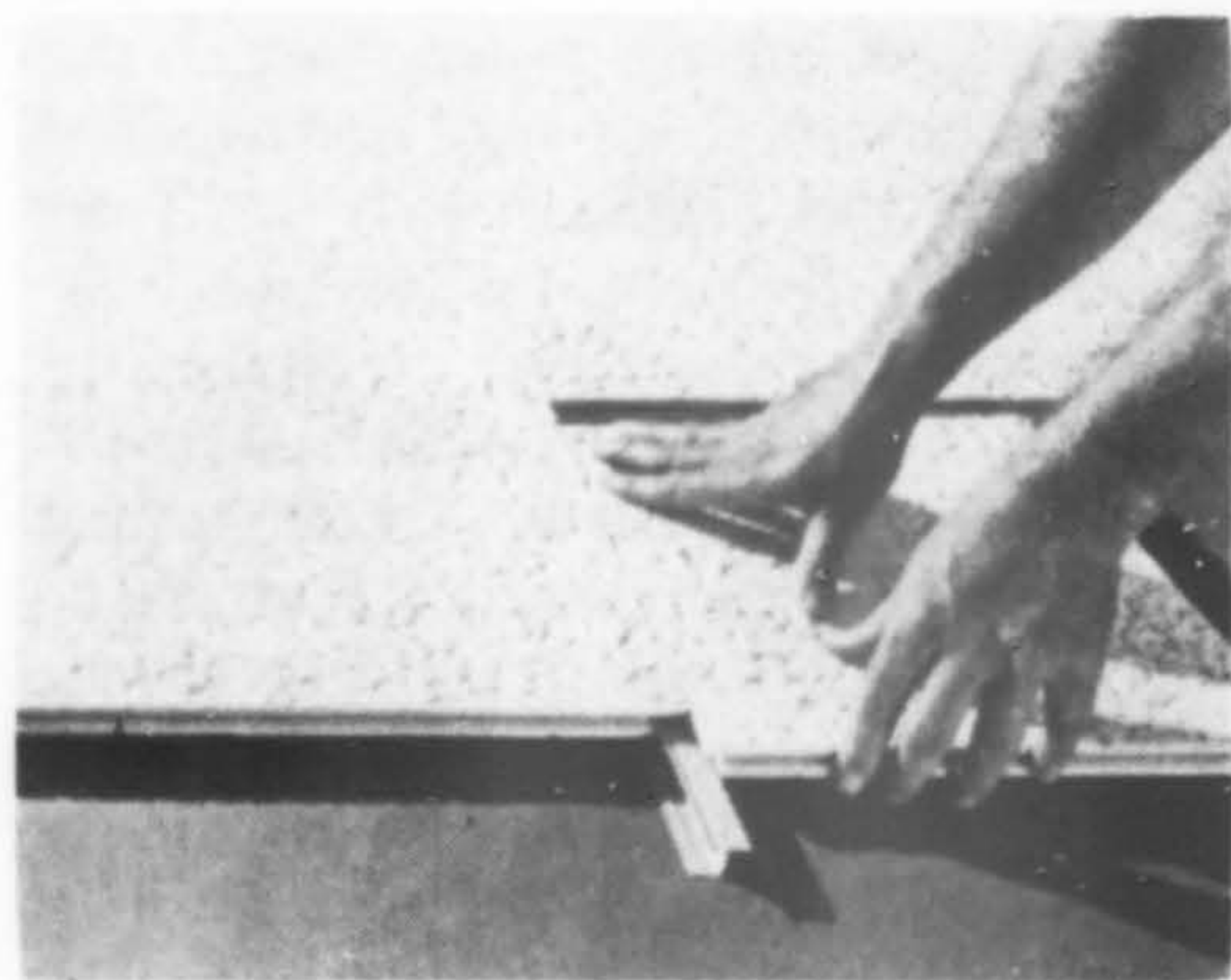
Square Light Patterns

Guth Lighting's square light distribution (SLD) lenses are said to offer better lighting uniformity and 50% greater efficiency. Developed after four and one-half years of research, the lenses are said to solve the problem of lighting overlap and shadowy corners inherent in conventional lenses with round lighting distribution. The SLD's are available in four lens sizes, and in two types—a functional concave design and a decorative "drop-regress." Door frames and narrow trim are finished acrylic white.—The Edwin F. Guth Co., St. Louis, Mo.

Circle No. 309 on information card

Non-Directional Ceiling Tile

A non-directional mineral fiber ceiling tile called Unity is said to be the



first made by the wet-felted process to provide exceptional dimensional stability and more accurate machining. The pattern gives a monolithic appearance because of the minimizing of joint lines. Its non-directional pattern permits faster installation than conventional tiles. The 12"x12" tongue and grooved mineral fiber tile can be applied either in a concealed grid system or with adhesive.—Conwed Corporation, St. Paul, Minn.

Circle No. 310 on information card

Coatings in Color

Portland cement and epoxy resins have been welded together in a new coating identified as WES-TOP 401, suitable for application on building structures, concrete bridges, stucco walls, municipal buildings, advertising and decorative architectural structures. It is available in several basic colors and is offered as a simple two component system readily applied by spray, brush or roller coat and as a cured products is said to display remarkable adhesion and freedom from markings, fading and peeling.—Furane Plastics, Inc., Los Angeles.

Circle No. 311 on information card

Embossed Vinyl Wall Panels



Ten new embossed-vinyl wall panels have been added to the p.w.p. "Vinyl-wall"® line: Persian Walnut, Marsh Chestnut, Antique Birch, Blonde Pecan, Alpine Elm, English Walnut, Spanish Oak, Avocado Persimmon, Burnt Hickory and Colonial Pecan. According to the manufacturer, both the lamination and the embossed patterns are permanent, and the textured vinyl surface is completely washable. It is said not to stain or fade and is resistant to scratching, scuffing and flames. Samples and specifications available.—p.w.p., Building Products Div., Los Angeles, Calif.

Circle No. 312 on information card

Grille Coil-Wal Partitions

Grille Coil-Wal partitions offers diversified patterns available in two models: all wood slat or a combination of wood slat and metal rods. Special grille effect is achieved by using full vertical members alternately. The partition is available in single sizes up to 150-ft. wide by 30-ft. high. While accommodating extremely large openings, Coil-Wal can be stored in a small space when not in use. It is said to conform to curves and full electrical operation provides smooth operation. Traffic control with security is provided by the unique grille design that does not restrict the circulation of air or vision.—New Castle Products, New Castle, Indiana.

Circle No. 313 on information card

Electric Units for Apartments

A compact, efficient electric heating and air conditioning system offering year-round comfort for apartment dwellers, the Chromalox® Model APT unit combines four heating and cooling capacities into a single physical size: 49½" long, 22" wide and 12½" deep. Heating capacities range from 4.5 kw to 13.5 kw and cooling capacities from 1½ to 2 tons. The companion compressor unit is weatherproof and may be installed through a wall, on a flat roof surface or an outdoor concrete pad.—Edwin L. Wiegand Co., Pittsburgh, Pa.

Circle No. 314 on information card

Laminated Safety Plate Glass

Laminated Vari-Tran safety glass with chrome alloy coatings for exterior glazing or partitioning effects has been added to the L-O-F filmed architectural glass line. Two standard types of Vari-Tran CR coating are available: one lamination is coated so that light transmission is reduced to approximately 20%, the other decreases transmission to approximately 14%. Laminated Vari-Tran is composed of two sheets of ⅛" thick plate glass separated by a plastic interlayer. The coating is on the inside surface of the outboard glass panel for protection from abrasion and for ease in cleaning. The laminated safety plate glass, composed of two sheets of ⅛" polished plate glass is available in sizes up to 72"x120". The new Vari-Tran lamination carries a five-year warranty.—Libbey-Owens-Ford Company, Toledo, Ohio.

Circle No. 315 on information card

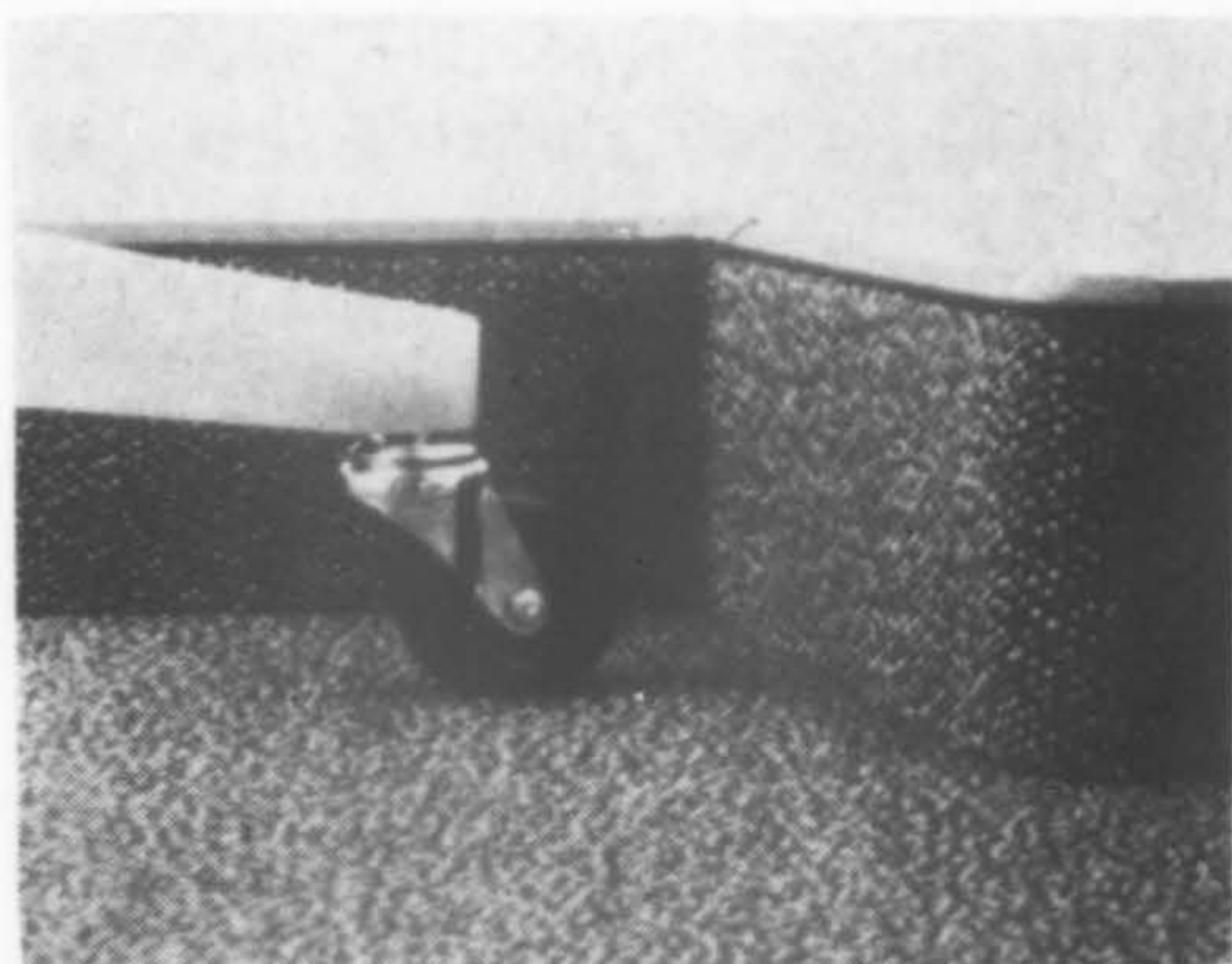
Azrock Adds Seven Colors

Seven new colors have been added to four of the Azrock vinyl asbestos floor tile stylings. New Alvarado colors are Arcadia, Biscayne and Evandale. The two new Premiere colors are Normandy and Cambridge. Cameo is the new color added to the 800 series and Cortina's new color is Taffy.—Azrock Floor Products, San Antonio, Texas.

Circle No. 316 on information card

Carpet Mouldings

A Modu-Base sponge-bonded carpet moulding, now available, is said to reduce maintenance, eliminate scuf-



ring, chipping or scratching of walls caused by furniture and cleaning equipment. The 4" high baseboard mouldings are made of heavy-duty Densylon nylon carpet backed with ⅜" B. F. Goodrich sponge rubber. The mouldings are capped on top with vinyl-covered metal trim in seven colors to coordinate with over 75 colors and patterns in the Densylon line.—Commercial Carpet Corp., New York, New York.

Circle No. 317 on information card

Literature

Fountains, Dispensers

A full-color catalog depicts the full Haws product line. Pages portray the latest innovations in the line of



sculpted drinking fountains, water coolers, cafeteria/restaurant water dispensers, remote chillers, emergency decontamination facilities, laboratory equipment and accessories. Four-color photos show recent Haws developments and detailed drawings, construction specifications and other features are included. Catalog 169, 32-pp.—Haws Drinking Faucet Co., Berkeley, Calif.

Circle No. 318 on information card

Knob and Escutcheon Special Designs

"Adventures in Design" is the title of a new full-color brochure outlining the multi-faceted designs that are available on Yale knobs and escutcheons. The designs cut into the surface shown in the brochure represent only a few of the thousands possible in stainless steel, Corillium, chrome, brass or bronze. The designs also demonstrate the versatility and range of engravings making identity of individuals, corporations, institutions and civic groups a reality. The design is the option of the customer.—Yale Lock and Hardware Div., Eaton Yale & Towne, Inc., Rye, New York.

Circle No. 319 on information card

Rosboro Panels, Dex, Beams

A full color brochure shows typical uses of Rosboro Panels, Dex and Beams. Sizes and woods available are listed as well as specifications for best results in finishing.—Rosboro Lumber Co., Springfield, Oregon.

Circle No. 320 on information card

Sound Barrier Gypsum Decks

Complete details and information with related cost data for poured gypsum roof deck systems offering a sound barrier said to be effective in this jet age, are available in an architect-engineer-contractor directed reference binder. Other facts noted: the system carries a 2-hr. code approved fire rating, provides a structural diaphragm over steel or wood framing; thermal values adequate for air conditioned buildings, and the economy of the roof deck system.—United States Gypsum Co., Los Angeles, Calif.

Circle No. 321 on information card

Sound & Communication Equipment

A new composite product catalog covers sound and communication equipment for all types of installations, ranging from military complexes to convention centers, from hospitals to factories, offices, hotels, churches, airports, etc. The book is replete with technical information, photographs of products and major installations. Subjects covered include microphones for all purposes, speakers, amplifiers and speech input equipment, audio controls and consoles, defense warning systems, intercoms for business and industry and doctors/nurses call systems. 16-pp.—Altec Lansing, Division of LTV Ling Altec, Inc., Anaheim, Calif.

Circle No. 322 on information card

Drapery Estimating

TABLE 1-D 100% FULLNESS								
TO FIND NUMBER OF PANELS								
NO. OF PANELS	BOLT WIDTH OF FABRIC							
	36"		45"		48"		54"	
	ROD LENGTH	PLEATED WIDTH	ROD LENGTH	PLEATED WIDTH	ROD LENGTH	PLEATED WIDTH	ROD LENGTH	PLEATED WIDTH
1		12		15		16		18
2	14	24	20	30	22	32	26	36
3	26	36	35	45	38	48	44	54
4	38	48	50	60	54	64	62	72
5	50	60	65	75	70	80	80	90
6	62	72	80	90	86	96	98	108
7	74	84	95	105	102	112	116	126
8	86	96	110	120	118	128	134	144
9	98	108	125	135	134	144	152	162
10	110	120	140	150	150	160	170	180
11	122	132	155	165	166	176	188	198
12	134	144	170	180	182	192	206	216
13	146	156	185	195	198	208	224	234
14	158	168	200	210	214	224	242	252
15	170	180	215	225	230	240	260	270

The tables and formulas contained in this manual provide a quick and accurate method of determining measurements and yardage for drapery installations. Time is saved and errors eliminated. It is a manual to be used over and over again by those working with interior design. The book also is suitable for use in school or trainee work. \$3.00 each.—L. C. Karr, Seattle, Wash.

Circle No. 323 on information card

Drafting Furniture, Accessories



The complete line of manufactured and distributed products of drafting furniture, fixtures, accessories and supplies is graphically illustrated in a new 100-page catalog from Post. The book is divided into five sections: equipment for drafting; materials for engineering graphics; sensitized drafting material for drawing cost reduction; professional tools for drafting and illustration; training material for improving employee skills. Prices of all items are given.—Frederick Post, a Teledyne Company, Chicago, Illinois.

Circle No. 324 on information card

Environmental Control Systems

The aesthetic quality of Liskey-Aire environmental control systems for computer systems is illustrated in a full-color brochure, showing the choice of colors available. Large photographs of various sections offer details of how the units provide filtered and tempered air to men and machines. Easy access features for maintenance are also described. A complete specifications table is included as well as a list of optional equipment.—Liskey Aluminum, Inc., Baltimore, Maryland.

Circle No. 325 on information card

Epoxy Floor Systems

Four of H. B. Fuller's primary epoxy floor systems are covered in a new brochure. Discussed are "Tuff-Lite" epoxy terrazzo floor matrix; "Tuff-Lite" epoxy conductive terrazzo floor matrix for hospitals; "Tweed-Tex" epoxy ceramic granule floors and epoxy floor topping for high wear industrial areas. Specifications and properties of the four types are given and suggested application ideas and chemical resistance results obtained in laboratory tests are listed.—Dept. PR, H. B. Fuller Co., St. Paul, Minn.

Circle No. 326 on information card

Sources

Two Named Vice President

TWO executives of CONCRETE TECHNOLOGY CORPORATION, Tacoma, Washington, have been named vice presidents and members of the board of directors, according to Thomas W.



PIRRET



PRIEDMAN

Anderson, president. GERALD R. PIRRET has become vice president, assistant secretary and controller; JOHN S. PRIEDEMAN, production manager, has been named vice president-production.

Monier-Raymond Expands

MONIER-RAYMOND CONCRETE TILE COMPANY has announced plans to build a new plant in Manteca, 50 miles east of San Francisco. The firm, a joint venture of Raymond International, Inc. and Concrete Industries (Monier) Ltd. of Sydney, Australia, introduced the patented colored concrete roof tiles to the California market in 1966 with completion of a plant in Corona, near Los Angeles.

U.S. Plywood Appoints Two

U. S. PLYWOOD has appointed two new Western vice presidents: WILLIAM E. BUTLER of Redding, California, has been named vice president-California Division, and WILLIAM A. WHELAN of Eugene, Oregon, has been appointed vice president-Oregon Division. Until the appointments, both men served as managers of their respective divisions.

Sterner Lighting Names Gleason

DONALD S. GLEASON & ASSOCIATES, Seattle-based manufacturers' representatives, have been named agents for STERNER LIGHTING, INC. of Winsted, Minnesota. The firm manufactures outdoor lighting. The Gleason firm, in business since 1946, is headquartered at 4710 University Way N.E., Seattle. They also represent Prescolite Manufacturing Corp., Benjamin Division of Thomas Industries, Hunt Electronics, Berko Electric Manufacturing Co., Solot Lighting, Malcolite Corp., and Plastics, Inc.

Batchelder to UC Council

JAMES R. BATCHELDER, manager of the Oroville, Calif., plant, Forest Products Division, of KOPPERS COMPANY, has been appointed to serve as a member of the technical advisory council of the University of California's Forest Products Laboratory at Berkeley.

Formica Appoints O'Neal

FORMICA CORPORATION has appointed HAL O'NEAL San Diego area sales representative, replacing Jack Flaig who has been named sales office manager in Miami, Florida.

Bigelow-Sanford Opens New Plant

A new plant to house BIGELOW CUSTOM CARPETS-West division has begun operation at 325 South Douglas Street, in El Segundo, California. Bigelow-Sanford, Inc., manufacturer of custom-made rugs and carpets, has doubled the capacity of its former facilities at Hawthorne, California. THOMAS WEIR is general manager of the division, which serves Western and Middle-western markets.

Hall Named p.w.p. Regional Manager

HAROLD A. HALL has been named Pacific regional manager for p.w.p. (PACIFIC WOOD PRODUCTS COMPANY). In his new position he will be responsible for sales of domestic and imported pre-finished and vinyl-laminated paneling in 15 Western states. He will be based in the company's main office at 900 Wilshire Blvd., Los Angeles.



Name Change for Heath Tecna Group

HEATH TECNA CORPORATION, Seattle, has announced a change in name for their Protective Finishes Group. It will now be designated as the Building Products and Protective Finishes Group and will comprise the Plating Division at Kent, Washington; Fentron Industries, Inc., Seattle; Heathtec Finishes Division/San Francisco, a recently formed division located in Hayward, California.

Kimball Elected

EDWARD L. KIMBALL, sales promotion manager-wood products, Georgia-Pacific Corporation, Portland, Oregon, has been elected second vice president of the national PRODUCERS' COUNCIL.

Upjohn Company Introduces New Foam Product for Building

KODE 25, a substantially non-combustible cellular plastic, is new from The Upjohn Company. T. P. Dougan, president of Upjohn's CPR Division, said that Kode 25 is the first major breakthrough for foam products in the building industry. The new product



has a flame spread rating of 25 in accordance with UL 723 and ASTM E-84 test procedures.

Underwriters' Laboratories also list the smoke development range as 100 (1/2" thickness) to 350 (3" thickness) and the fuel contribution rating as 15. These figures mean that Kode 25 complies with many building codes as Class I or A material. The product is said to be resistant to solvents and chemicals, and have low thermal conductivity. Its competitive pricing and ease of processing as slabstock, point to a potential market in the building construction industry.

Kode 25 is polyisocyanate-based, but it is not a polyurethane. It is available as board stock or in bun stock, and is available from fabricators throughout the country.

Arizona Territory for Howden

KENNETH J. HOWDEN has been appointed sales representative for PHILIP CAREY CORPORATION according to Ted D. Tillman, sales manager, Western division. Howden will be responsible for both Philip Carey and Miami-Carey sales throughout the state of Arizona.

Tiefel Joins Furane Plastics

FURANE PLASTICS, INC., announces that RICHARD TIEFEL has been named to the position of director of sales and marketing. Tiefel was associated with Minnesota Mining and Manufacturing Company and Dow Chemical Company prior to joining Furane. Offices are at 5121 San Fernando Road West, Los Angeles.



TIEFEL

as

Not Specified

FOR SEVERAL YEARS this column has been devoted to editorial comment, items we wished to share with you that fit none of our other categories, in short, anything we could lump under "Not Specified."

For this one issue, we'd like to call it "*As Specified*," and here's why: as you know, ARCHITECTURE/WEST is under new ownership. The very words "new ownership" suggests that changes are coming—and they are!

In order to comply with all the things now in the planning stage, we'll need your help. Shortly you will be receiving a letter from us asking for two things: what your reader preferences are in A/W, and for your paid subscription. Since ARCHITECTURE/WEST was founded, registered architects in the West have been receiving A/W free each month. (Many of you have been loyal friends and paid for the book, and to you we are most grateful for this expression of support.)

Now we plan to convert to all paid subscriptions and, again, for two reasons: we need your monetary assistance in this time of change, and it is a selling point for our adver-

tising staff since manufacturers need to know that we are *really read and wanted* by Western architects.

This issue, you'll note, is already somewhat expanded over those received recently and starting in March, we'll be publishing even larger issues, carrying more news, more design features, more of whatever you want to see in ARCHITECTURE/WEST. We'll be guided by your answers to our letter.

ARCHITECTURE/WEST is the only book devoted to Western architecture and architects exclusively in the 13 states we cover. With the blessing of the new ownership, your book will be even more exclusively yours!

Our specifications to you include an indication of what you would like to see (or not see, for that matter) in A/W, and of your readership and regard for the book as expressed with a paid subscription.

Thank you for your assistance, your advice, and your friendship.

RELTA GRAY
AND THE A/W STAFF

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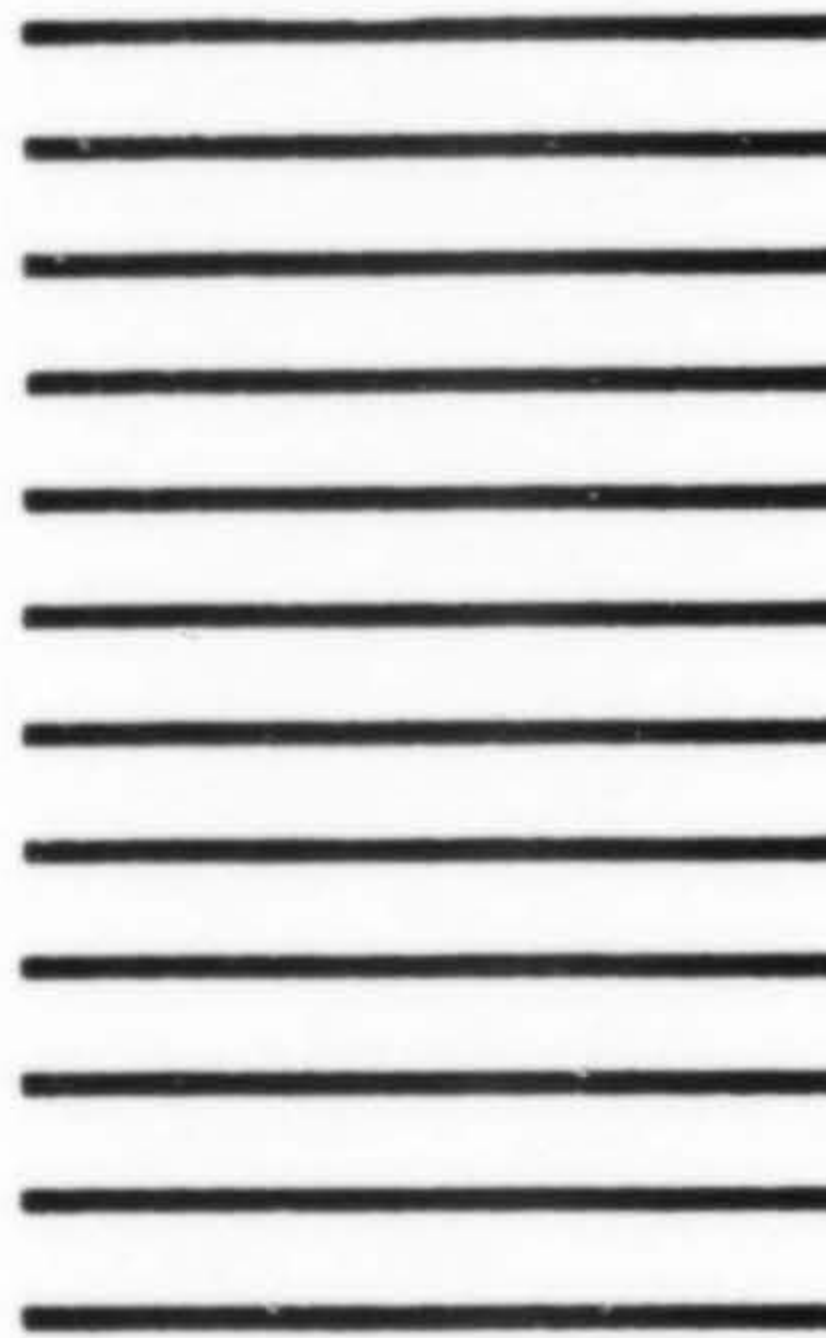
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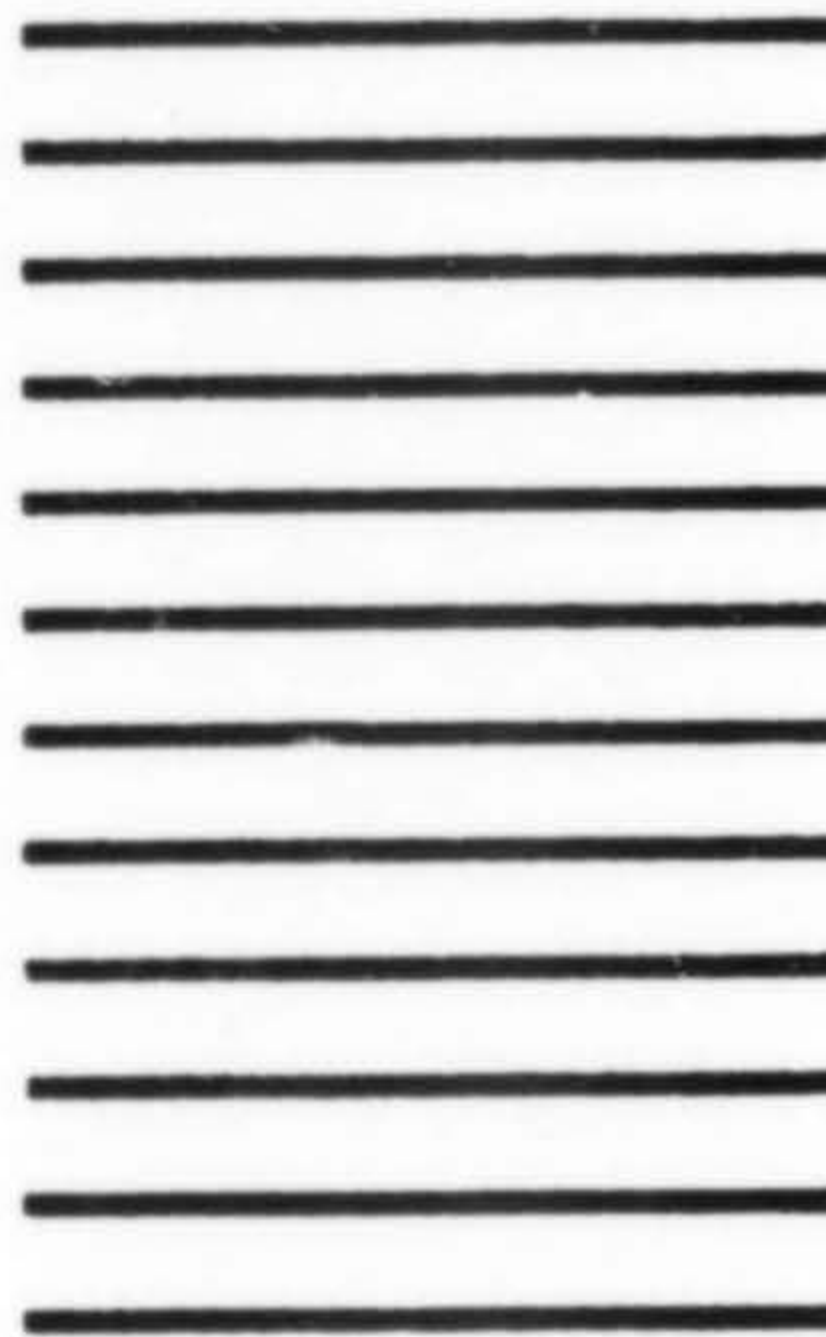
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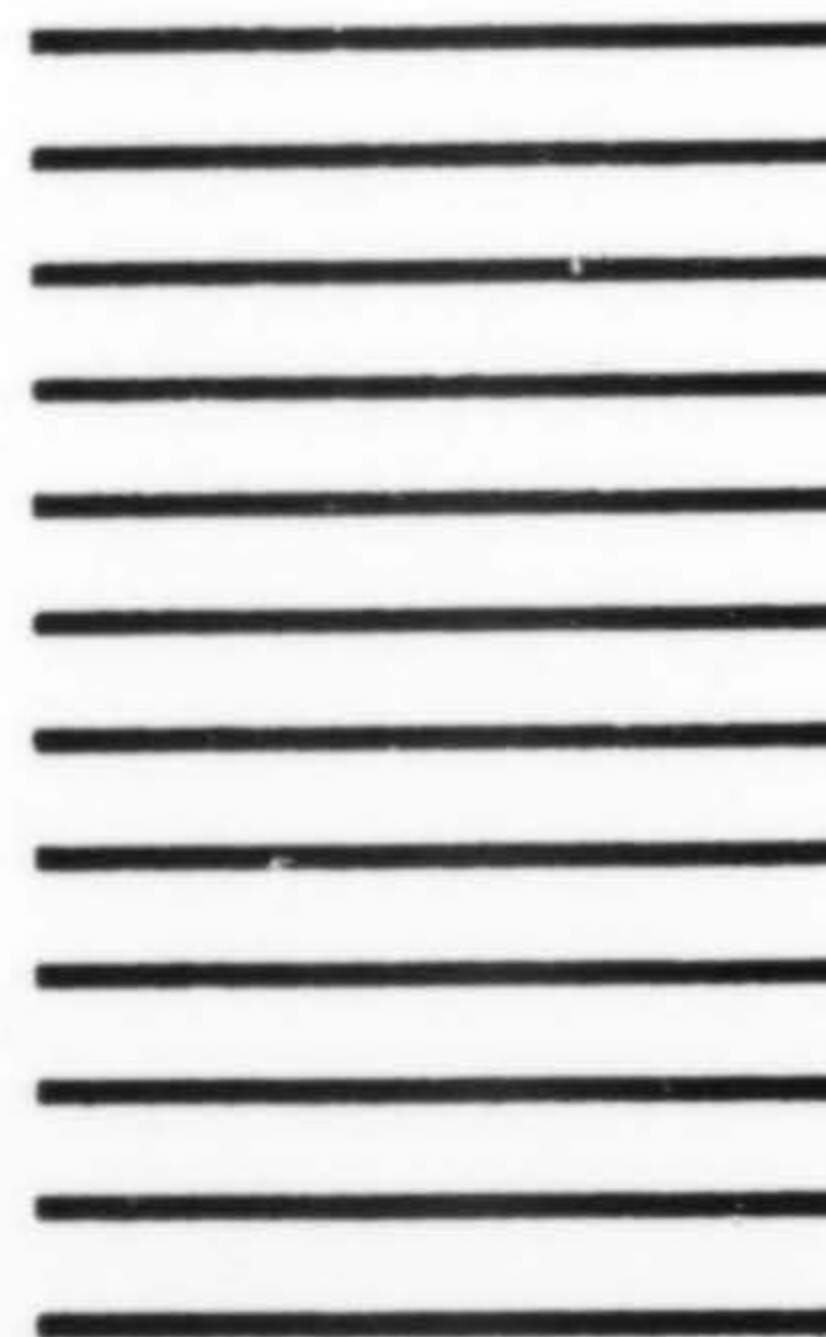
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