Beautifying Columbus

COLUMBUS, IND. Public spirit runs deep in Columbus, and so does a belief in good design. The latest step in a series of plays (see p. 58, June 1965 P/A) that may make Columbus one of the handsomest small towns (population 20,788) in the U.S., is the donation of the services of Kevin Roche to the U.S. Post Office. Columbus wants a new Post Office building, and the Cummins Engine Company, which has its headquarters here, is paying Roche's fee. Roche, a partner in Eero Saarinen & Associates, was a member of P/A's Design Award jury in 1965. And according to Postmaster George W. O'Brien: "As far as we know, this is the first time the services of a nationally prominent architect have been donated to the Post Office Department." It is a welcome move.

Robert Weaver: New Hope for Old Problems

WASHINGTON, D.C. During 1966, about one million families will move into new houses. This prediction comes from the National Association of Real Estate Boards, which also foresees 2.5 million families buying and moving into homes already built and occupied. By the end of the year, the inventory of occupied housing units will reach 59 million; about 62 per cent of these will be owner-occupied.

One factor leading to greater housing unit occupancy has been an increasing inclination of elderly persons to live alone after the death of a spouse, rather than joining a family group. Another unprecedented factor is the increasing frequency with which young unmarried individuals move away from the family home. According to Catherine E. Martini, NAREB's director of research, "Attitudes and values derived from the longest peacetime expansion in history will influence decisions to a growing degree. Choices between buying and leasing, between moving and renovating, between waiting and acting, between investing in fixed yield or equity securities, will be increasingly sensitive to psychological factors."

FAREWELL TO A CREATIVE SPIRIT

NEW YORK, N.Y. Speaking at the funeral, René d'Harnoncourt, director of the Museum of Modern Art, remarked that "for more than 50 years, he moved always in the forefront of his contemporaries." Philip Johnson called him "the greatest non-building architect of our time." Speaking for himself while still alive, Frederick J. Kiesler claimed, "I am interested in life, not architecture." Yet he was the first to design a theater in the round, the first to conceive the spiral concept in architecture (heating Frank Lloyd Wright), and the first to build on stilts (before Le Corbusier). He died last December at the age of 75, his life's book, The Endless Search, still unfinished and his lifelong project, the Endless House (photo; also see pp. 104-105, July 1961 P/A) still not built.

Robert Weaver: New Hope for Old Problems

WASHINGTON, D.C. January 13 was not a Friday, and it was not unlucky for 58-year-old Robert C. Weaver. On that day, the President made him Secretary of the new Department of Housing and Urban Design (HUD). As such, Weaver will have been appointed to the highest governmental post ever held by a Negro. But his appointment signifies much more than that. A veteran of 33 years of government service, Weaver has a tremendous backlog of experience; three Harvard degrees (a doctoral thesis on "The High-Wage Theory of Prosperity"); race relations advisor to Secretary of the Interior Harald L. Ickes in 1933; special assistant for the FHA from 1937 to 1940; teaching posts at N.Y.U. and Columbia in New York; New York State Housing Commissioner under Governor Harriman; N.Y. State Rent Administrator, Vice-Chairman of Robert Wanger's Housing and Redevelopment Board; and, lastly, Administrator of HHFA. Weaver's philosophy throughout has been that good housing makes good economic sense. "Perhaps the most difficult task," he has commented, "is to get people in a metropolitan area to realize that the city is an area and that a rotten core represents a threat to the whole area. The suburban satellites are dependent on a central city that has a sound economic base and a vibrant, exciting cultural character." With Weaver as HUD Secretary, maybe our cities will be thus transformed.

To Build Or Not to Build

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Stone Designs for Arabian Flights

JIDDA, SAUDI ARABIA. The office of Edward Durell Stone has on the boards two airports for this oil-rich desert nation. One at Jidda, a seacoast town 20 miles from the holy city of Mecca; another, specifically for the use of King Saud and his retinue, is in the capital city of Riyadh.

At Jidda, the Stone office is designing two terminals. One will be for the masses of pilgrims who are making the annual journey, or "Haj," to Mecca to kiss the holy stone, shrine of Muhammed, prophet of Allah, whom the devout believe to be the one true god. Although this terminal (I) is
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Wakefield Corporation

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Thompson Opens His Own Office

CAMBRIDGE, MASS. On January 1, Benjamin Thompson, a founding partner of The Architect’s Collaborative and chairman of the department of architecture at Harvard, left TAC to set up an independent architectural practice. He hopes that, in a smaller office, he will have more time for his teaching and administrative duties at Harvard, as well as more time for design.

Thompson is associated with Thomas Green, Joseph Maybank and Eliot Rothman in the new firm of Benjamin Thompson & Associates. Already its string of commissions is impressive. It includes buildings for Kirkland College, a new women’s extension of Hamilton College in Clinton, N.Y., and buildings for Williams College, Brandeis University, Bennington College, Amherst College, and Andover Academy.

Want to Buy a Beanery?

NEW YORK, N.Y. For some weeks, gallery-hoppers in this city have had a chance to see Ed Kienholz’s version of total-experience-give-a-message kind of art. The artist has built a beanery complete with customers, music, smells, and sweaty beers. To do it has taken him six months, lots of fiberglass and epoxy resin, real live props like a $600 mink stole, a stuffed poodle, canned music featuring Johnny Mathis, and stale bacon grease blown through a fan to simulate the smoky awfulness of close places. His model was Barney’s Beanery on Santa Monica Boulevard in Los Angeles, and Kienholz has done his best to recapture its authenticity. He has even gone so far as to buy a new phone booth for the L.A. hangout so that he could have the real thing for his 6’x22’x7½’ wonder. The bar is filled to capacity with 14 clock-headed patrons whose faces read 10:10. “That way they look like eyebrows,” he explains. The clocks are meant to emphasize “surrealist time... where people waste time, lose time, escape time, ignore time.”

After its New York showing, the Beanery will wend its way back to the Los Angeles County Museum, where it will remain on permanent loan—that is, unless someone buys it.

P/A Design Awards Luncheon Held in L. A.

LOS ANGELES, CALIF. Speaking at PROGRESSIVE ARCHITECTURE’s 13th Annual Design Awards luncheon, held in this city on January 10, Louis D. Gill, who represented Los Angeles’ Mayor Yorty and is Chairman of the Board of Public Works, told a Frank Lloyd Wright story. According to Gill, when asked what he thought about Los Angeles architecture, Wright replied: “I don’t think about it, and I don’t think anyone else thinks about it either.”

The Wrightian reference was particularly appropriate, for the luncheon was held in a house Wright designed in 1919, Hollyhock House, located in Barnsdall Park, a hill-
top site overlooking downtown L.A. Now owned by the city, the house is maintained as a DMJM design of a mountain-top community by calling it a “brilliant concept.” Dr. Grant

From left to right: P/A Editor Jan Rowan, Cesar Pelli, Tel Kutay and Anthony J. Lumsden, all of Daniel, Mann, Johnson & Mendenhall, Frank Lyon of Sunseri Petroleum.

meeting and show place.

More than 100 architects, planners, and representatives of building product firms ate lunch at tables set up in the living room, saw P/A's Editor Jan C. Rowan present the design awards, and heard a project presentation by Cesar Pelli.

Sam Hurst and Harold Hauf.

Jan Rowan speaking at Hollyhock House luncheon.

Louis Dodge Gill, Commissioner of Public Works in Los Angeles.

George Dudley, Dean of UCLA, and Dick Matteson of Daniel, Mann, Johnson & Mendenhall, winners of the First Design Award for the design of an urban nucleus for Sunset Mountain Park.

Gill's remarks about Wright were additionally apt since this marks the first time in the history of the Design Awards Program that a First Design Award winner has come from southern California.

P/A's publisher, Philip H. Hubbard, Jr., welcomed the guests. Speaking for the jury, William Conklin summed up the jury's feeling about the

KATHMANDU, NEPAL Roelf Goetz, who spent two years as an architect with the Peace Corps here, found the Nepalese receptive to good design, but, like many people elsewhere, unwilling to put in the time and expense to translate design into stone and mortar. Goetz was free to accept requests for his services, checking his projects with the Peace Corps director in Nepal.

William Conklin, member of P/A Design Awards jury, discussing the First Design Award.

West Coast location, included Troy E. West and Richard M. Gensert, whose Lower Hill Development project for the Citizen's Committee for District Renewal in Pittsburgh, Pa., won an urban design Award. George Dudley accepted an education Award for Davis, Brody & Associates for their Science Building No. 2 for State University of New York. And William Turnbull, of Moore, Lyndon, Turnbull, Whitaker, was present to accept a recreation Citation for the Sea Ranch Athletic Club, Sea Ranch, California.

Following lunch, Cesar Pelli, who was director of design on the DMJM Sunset Mountain Park project, made a presentation of the project with the aid of renderings and plans, and juror William Conklin led a discussion of it.

Architectural Midwifery

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Before joining the Peace Corps, Goetz had gone through the Graduate School of Design at Harvard, spent a year doing construction work, and a year and a half in an architectural office in Cambridge. His most valuable experience, he feels, was in learning how to muster enough self-confidence to live up to his clients' "image of one who can help them solve all problems: how thick to make a lime mortar stone wall when the strength of the rock is unknown and the lime dubious, or how deep to carry the foundations in soft soil." In short, it seemed a condensed course in how to act like an architect in the field. "If you cannot give them confidence," writes Goetz, "then you have no job."

In at least two of his Nepalese projects, Goetz was more than just an inspirer of confidence. In one project, for instance, a permanent college building to replace a row of thatched huts outside Pokhara, Goetz describes his role as that of "midwife." It was broader than merely being the architect, he says. He was, besides, "advisor on fund-raising and counselor on how to promote new ideas on the one hand and demonstrator of building practices to the masons and carpenters.
THE CONCERNED CUSTODIAN

LOS ANGELES, CALIF. For 20 years, Edward Smith has been caretaker of Hollyhock House, the Frank Lloyd Wright-designed dwelling in Barnsdall Park—scene of P/A's 13th Annual Design Awards luncheon (facing page). Smith cares for the house with zeal. "It has been the most meaningful thing in my life," he says, and for the P/A luncheon he displayed the care he lavishes on it by spending six hours placing dining tables in the living room, searching for the arrangement that would show off the room best and accommodate the 100 guests most comfortably. He even personally fitted each flower into the huge speaker's table centerpiece. Because of his duties, Smith has developed a concern for good architecture and become a devotee of the works of Frank Lloyd Wright. His vacations have included trips to New York City to see the Guggenheim Museum, and to Racine, Wisconsin, to visit the Johnson's Wax headquarters. Smith is obviously proud of his main contribution, he feels, was in showing the Nepalese that an attractive building does not depend on fancy, imported materials. In Nepal, in a variation of a universal attitude, appearance and acceptance depend on a novel façade. "In a new Nepalese building," Goetz writes, "much effort will be used to put on a thin cement plaster veneer to give the impression of a reinforced concrete building, just as in the U. S. we put an expensive brick veneer on a concrete building."

Hollyhock House and pleased with the attention that architects and students give it. He speaks of it with the same blunt fondness that a husband might use in describing a wife of 50 years. "It's really not all it cracked up to be," he confides; "when it rains, the roof leaks."

Schools

Students in the Architecture and Architectural Engineering Department at California State Polytechnic College have recently acquired $12,000 for student loans. The Cal Poly AIA chapter donated an initial $1000, which was matched 12-to-1 by the United Student Aid Fund . . . Those interested in attending the Seminar for Historical Administrators sponsored annually by the National Trust for Historic Preservation should write the Coordinator, Seminar for Historical Administrators, National Trust for Historic Preservation, 815 17th St. NW, Washington, D. C. 20006. Applications will be accepted until March 15 . . . This summer, the Office of Civil Defense, the American Society for Engineering Education and the Association of Collegiate Schools of Architecture will jointly sponsor a course in nuclear defense design at five universities (Hawaii, Maine, Montana State, North Carolina State, and Colorado). The course will be open to engineering, architectural, and city planning faculty members. For further information write: Project Administrator, ASEB, 1346 Connecticut Ave., NW, Washington, D.C. . . . Cornell University has announced the creation of a new Division of Regional Studies in its Center for Housing and Environmental Studies. Jack C. Fisher, assistant professor of city and regional planning, will be in charge of the new regional studies division . . . RPI also has announced a new study area within its curriculum: a Center for Architectural Research. Alan C. Green, associate professor of architecture, has been named director of the new center, and Morton C. Gassman, Senior design coordinator.
space. Also proposed for this area is a four-story parking structure for 1300 cars. Within the complex will be covered walkways, and someone living in Clayton Center can conceivably walk to work without going outdoors. Just to the south of the development will run a proposed expressway. Developer of the project is the Carondelet Development Company.

Competitions
Those interested in the $6000 Rotch Travelling Scholarship must have their applications in to the secretary—Walter E. Campbell, 711 Boylston Street, Boston, Mass., 02116—by March 3. Applications are also being accepted for the $3000 LeBrun Travelling Fellowship. Information may be obtained from Harvey P. Clarkson, Chairman, LeBrun Committee, New York chapter AIA, 115 East 40th St., New York, N.Y.

Ist Das Nicht Ein Clock Tower?

Architectural Tour of Northern Europe Planned
Harlow, the planned community for 80,000 outside London, Lijnbaan, the redevelopment area in downtown Rotterdam, and Vallingby, the new residential and industrial suburb of Stockholm, will be among the stops made by a group of architects and urban planners taking Alitalia Airlines' spring professional study tour of Europe. Leaving New York City on May 16, the group will visit England, the Netherlands, Sweden, and Finland, returning to New York on June 2. For those who wish to visit Russia, a two-week optional extension to Leningrad is offered. Cost of the tour, excluding the Leningrad extension, is $825, which covers round-trip jet fare, first-class hotel accommodations, two meals daily, all sightseeing, and admission fees, as well as special meetings and lectures. Arrangements are being made to have Alvar Aalto meet the group in Helsinki to explain his plans for the new city center there, P/A's Editor, Jan C. Rowan, is planning to travel with the group.

For further information and an itinerary write: Mr. James Branciforti, Professional Program Director, Alitalia Airlines, 666 Fifth Avenue, New York, N.Y. 10019.

Catalano Continuum

Cambridge, Mass. Construction was begun last month on Eastgate, a 30-story residential tower for married students and faculty at the Massachusetts Institute of Technology. Located next to the recently completed Grover M. Hermann Building (see p. 58, January 1966 P/A), Eastgate is also the work of Eduardo Catalano of the MIT architectural faculty in association with Crawley Cooper, Robert Brannen, and Paul Shimamoto, Cambridge architects. Eastgate is designated to blend architecturally with both the Hermann Building and with the Alfred P. Sloan Building. Together, the buildings will be known as the Sloan Campus.

The Big "C" in the Sky

Los Angeles, Calif. Throughout most of the Western world, the initials CC stand for Claudia Cardinale, Italy's entrant in the international sex kitten race; but in California, where sex kittens are more or less taken for granted, CC also stands for Crocker-Citizens (National Bank).

Foundation work started last month on Crocker-Citizen's Southern California headquarters building (Crocker-Citizens Plaza), a 42-story, outrigger tower, which will rise 620' above the street, making it the tallest skyscraper in this area. Near the top will be four large "Cs," one on each point of the cross. Designed by William L. Pereira & Associates, the tower sits on a four-story square podium. Its ground level will include a promenade of shops and offices and a spacious interior lobby from which patrons can proceed by elevator, escalator, or stairway to a two-story-high banking area on the second level. A motor lobby is located just below grade, and below that are four parking levels. In all, the bank will have nine levels of enclosed parking capable of holding 754 cars. It will also have a gross area of over one million square feet, the second largest in the country. A motor lobby is located just below grade, and below that are four parking levels. In all, the bank will have nine levels of enclosed parking capable of holding 754 cars. It will also have a gross area of over one million square feet, the second largest in the country.

Peak Year for Engineers

Washington, D.C. Engineers in private practice across the country are expected to be busier than ever before, according to a poll conducted by the Consulting Engineers Council. Leading to this record activity is continued, unprecedented economic expansion, coupled with the large public projects created by Federal aid programs. Consulting structural engineer Emanuel Pizetzky, of Weiskopf & Pickworth, who is president of the New York Association of Consulting Engineers, maintains that the present boom is characterized by great activity in all fields of practice and types of projects. He noted that at other peak times, the peak may be bolstered by increased activity in only one field, such as office buildings. This year's boom appears to be uniformly munificent in all building construction areas.
Euphoric Eugene

EUGENE, OREGON In December 1965, the Southwest Oregon Chapter of the AIA presented awards to four Eugene buildings. Selected by jurists Robert B. Price of Tacoma, Donlyn Lyndon of Eugene, and Don Knorr of San Francisco (who visited all 17 projects submitted in the competition), the awards went to: Lutes & Amundson of Springfield for the design of Sheldon High School (1) in Eugene (First Honor Award); Otto Poticha of Eugene for the design of the Henshaw residence (2), Eugene (Award of Merit); Wilmsen, Endicott & Unthank of Portland for the Westmoreland Medical-Dental Clinic (3), Eugene (Award of Merit); and a special Commendation Award also went to Wilmsen, Endicott & Unthank for the remodeled façade of Rubenstein's furniture store (4, 5) in Eugene.

The jury had this to say about the First Honor Award winner: "Sheldon High School is a thoughtful and well-controlled translation of evolving educational requirements into a building of considerable quality. It has a sensible and clear organization and a pleasant circulation system. While retaining reservations about some of the interior spaces, the jury felt that the architects should be honored for their development of an exceptional school plant."

Rubenstein's furniture store (4, 5) in Eugene.

Distinctive Bank for Milwaukee

MILWAUKEE, WIS. Most buildings in downtown Milwaukee were constructed more than 30 years ago, when the architectural tradition established by Louis Sullivan was still in vogue. Despite its overhead trackless trolley wires, and despite the remodeled façades of many shops and stores, the downtown area presented a fairly unified, dignified face to Milwaukee's baseball fans and other citizens. In the past few years, all this has begun to change. First came Saarinen's War Memorial Art Center on the lakefront. In the late 50's, Harrison & Abramovitz designed an office building for the Marine National Exchange Bank, the first high-rise office structure in Milwaukee in more than 25 years. Last year, Harry Weese's building for IBM was completed. And now in working-drawings stage is a bank and office building for the Marshall & Ilsley Bank, the city's second contemporary high-rise office structure, which, if completed in keeping with its present design, should give future Milwaukee buildings something to emulate.

As designed by architects Grassold-Johnson-Wagner & Isley of Milwaukee, the $11 million structure will have 20 stories: nine for the bank; nine for rental offices; and two for mechanical equipment. Adjacent to the high-rise building will be a ten-level parking garage, capable of holding 420
cars, built around and including the M & I's drive-in-banking facilities. Patrons parking in the garage will take elevators and stairs to the main banking floor, and elevators from there to the higher floors. Because the bank wanted as much uninterrupted floor space as possible, the service core will be in the building's northeast corner. This will leave the floor area uninterrupted except for a second stairwell, required by the building code. Total gross area will be 358,000 sq ft.

On the exterior, the bank will be distinguished by buff-colored, epoxy-joined, cut stone mullions rising between spans of bronze-tinted glass in bronze aluminum frames. On ground level, the recessed main banking floor is enclosed in glass.

Levitt Headquarters by Stone

LAKE SUCCESS, N.Y. Levitt & Sons have passed into legend by building more than 70,000 homes throughout the U.S. Last year, the firm recorded over $60 million in sales, offering 34 basic house models.

When Levitt was planning to build a headquarters building for his organization, he called in Edward Durrell Stone to design it. The result is a distinctive "square doughnut" that is vintage Stone. Completed last September, the building totals 70,000 sq ft on two levels, including a 72-ft-square central atrium. Surrounding the atrium, with its five octagonal fountains, are offices that look onto this central court through adjustable aluminum jalousies. Overhead are nine geodesic skylight domes.

On the exterior, windows are divided vertically by glazed white brick; two-story aluminum shutters cover the windows.

At night, the canopy, which overhangs all four sides of the building, is lighted by spotlights from the podium. Shrubbery around the site is also lighted, providing a nighttime setting for the building.

Levitt & Sons now have a shrine worthy of an Oriental potentate.

World's Largest Parking Garage

SAN FRANCISCO, CALIF. To bill a structure as the world's largest parking garage is about as significant as to talk about the world's largest salt-water pool. It's distinctive, but is it meaningful? For the garage at San Francisco's International Airport, which officially began to shelter cars two months ago, the meaning lay in the efficiency and comfort with which passengers could get from cars to planes and from planes to cars.

For one thing, motorists leaving their cars in any of the 2800 parking spaces now available (eventually there will be 8000) have a maximum walking distance to the terminal of only 450', as compared to the previous maximum of 1500'. There are, in addition, two moving sidewalks in each pedestrian concourse that cut walking distances even further. "They take the walk out of walking," says the manufacturer in a burst of ambiguity.

Also, passengers are sheltered from the often unpleasant Bay weather as they leave their cars and trudge with baggage into the terminal. No more slogging through puddles or leaning into the rain and wind, for motorists arriving at the San Francisco airport.

Developers of the garage—a collaborative effort by architect Edward B. Page and consulting engineers J. J. Degenkolb & Associates—found that parking can usually be handled more quickly and economically in a parking lot. They therefore designed the garage to consist, in effect, of four stacked parking lots. Each level is reached directly by curving ramps from the airport roadway system. When completed, the garage itself will be almost circular in form, fitting into the curve formed by the existing South and Central Terminals and the yet-to-be-built North Terminal.

To keep the garage's silhouette from obstructing a view of the terminals, the first parking level was placed underground; height from grade level to the top of the railing on the open fourth level is only 23'. A precast exterior concrete grill helps support the upper levels and partially shields an outside view of long rows of parked cars.
ON THE BAY

LOS ANGELES, CALIF. Bay windows have never really been far out of style, but only rarely do they have a bay to overlook. As designed by Kurt Meyer & Associates, the bay-window-like projections of the Fisherman and Merchants Savings and Loan Association headquarters provide 180° views of the San Pedro Bay area, if not of the bay itself. The buttress-like projections of the windows project from two concrete towers, which form the backbone of the building and hold utility centers and elevator and stairway wells. The five-story building will have a ground-floor loan and savings area, and, above that, floors for both the Association and rental tenants.

Ground-breaking began early this month, and completion is scheduled for this fall.

Incorporation papers were filed July 16 by the Mid-Continent Mart Redevelopment Corporation, which announced its intention to ask the city planning commission for approval of the project under urban redevelopment laws.

Ruddy, sturdy, still full of character, the old Board of Trade was designed in 1886, when the Chicago firm of Burnham & Root won a national competition for the building. Among the other competitors were George Post of New York, Peabody & Stearns of Boston, and Solon S. Beman and Irving K. Pond of Chicago. There were 53 entries.

Root, the designing partner, planned a structure comprising two pavilions connected by an arched entrance screen, sky-lighted entrance court, and a grand tower housing the elevators and lobbies. The U-shaped plan, covering half a city block, thus provided air and light on all sides. The west pavilion was

embellished with ornamented pediments and round-arched windows rising high above the fourth floor, where the exchange floor was located. The hall is a single unobstructed space, 58’ x 115’, with an arched and coffered ceiling. The east pavilion is composed entirely of offices.

The walls of the old building are of pressed brick and ornamental terra cotta of a matching earth-red hue. The ornament enriches the wall textures and articulates the composition.

In the Midwest, the Brown Decades might more accurately be called the Red Decades. Strongly plastic, the building's rounded angle piers give it a heightened sense of huge volumes. Its over-all expression goes far beyond the routine Romanesque of the 1880's. The Board of Trade moved in on June 30, 1888.

"This building," wrote Harriet Monroe eight years later, "is a noble monumental structure, which will speak to the future for this age as eloquently as monuments of the past declare to us the spirit of epochs."

Now somewhat abused and in disrepair, the old building remains a prime architectural landmark of Kansas City. Its feet are firmly planted in the soil, and its tower thrusts proudly into the blue Midwestern sky. It speaks, indeed, for the generation that built it, and for the imagination of a great American architect.

—DONALD L. HOFFMANN
[As of this writing, no financing or prospective buyer has been found for this Kansas City Landmark—ED.]

If You Don't Believe it, Look Again

NEW YORK, N.Y. On display this month in Manhattan's Lefebre Gallery are samples of an artistic technique called cinematization. Pol Bury, a Belgian artist who invented the art form—if that is what it is—turned to it from sculptures, which he animated with springs and electric motors. Although distinctly stationary (painted on flat canvas), Bury's cinematized pictures have a life of their own. One expects them to snap back into focus any minute—maybe if you just rub your eyes. What Bury does is to take a photograph, cut a series of concentric circles in it, twisting each ring slightly. The distortion this produces is preserved by transferring the photo to canvas and painting over it, maintaining faintly the outlines of the concentric rings. The resulting picture is like a reflection of a drunk might see in a puddle. What the technique does to architecture is shown here, a cinematized version of New York's Pan Am building. Perhaps that's the way it ought to look.

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Hovering Roof For Midwestern Church

In its four floors and basement level, the space research center will encompass 38,000 sq ft. Because it must accommodate some highly complex equipment such as infrared measuring devices and helium-hydrogen sources, the laboratory is designed for interior flexibility. All mechanical and storage facilities, for instance, will be located in towers on the east and west ends of the building. Laboratories designed on a 10' module will line a central service corridor, and office and study areas will line the exterior walls on the north and south. Upper floors will be cantilevered 10' over the ground floor, and bronze-colored aluminum mullions will divide vertical bronze-tinted glass and brown glass spandrel panels. Construction will begin in the spring.

New Town on the Rise

Valencia, Calif. Work was begun recently on what by 1985 will be an addition to the burgeoning list of America's new towns. Located about 30 miles from Los Angeles, just north of the San Fernando Valley, Valencia, as it is being called by its developer, the California Land Company, will provide both housing and employment for some 250,000 persons of diverse age groups and income levels. It already has an 18-hole golf course, designed by Robert Trent Jones. Valencia's master plan, prepared by Victor Gruen Associates, shows a city center standing at the head of a group of five satellite village centers. About one quarter of Valencia's 44,000 acres (it was once the Newhall Ranch) will be

It May Be Green Cheese, But You Can Eat It?

BIRMINGHAM, MICH. Looking a little like the proverbial hands pressed together for prayer, the roof of St. Regis Church will hover lightly over the congregation within. Formed in a shape that is increasingly popular—it is like half of Saarinen's North Christian Church in Columbus, Ind.—the fanlike spread of the lower structure will house 1200 parishioners, grouped as closely as possible around the altar, which is a requirement of the recent revisions of the Roman Catholic liturgy.

The roof is thin, shell concrete sheathed with copper. Inside, form boards will be left in place over the pews, and, hopefully, will look like large wooden panels between the concrete ridge and perimeter beams. Shaped in hyperbolic paraboloids, the roof sections flow together, rising into a 100' tower, directly behind the altar. Between the outer walls of brick and dark brown mortar and the roof is a band of gray glass. At night, when the church is lighted from within, the roof appears to float.

Construction is expected to start in early spring. Architects are Begrow & Brown Architects, Inc.

It May Be Green Cheese, But You Can Eat It?

Ithaca, N.Y. The National Aeronautics and Space Administration wants to know what astronauts can expect when they get to the moon, sometime within the next four years. And to help them find out, they are building a radio-physics and space research center on the Cornell University campus. NASA will provide most of the $1.5 million needed to build the center; Cornell will put up $150,000.

The building, designed by the Ballinger Company of Philadelphia, will be part of a growing complex of science buildings near the center of the Cornell campus. Already under construction are an addition to the chemistry laboratory building, a physical science building, and an agronomy building.
London, England. Papers are now invited from all countries, and a brief summary of the content may be sent ahead to The Secretary of the Organizing Committee, International Conference on Space Structures, c/o Space Structures Research Center, Department of Civil Engineering, Battersea College of Technology, London, S.W. 11, England. Preliminary applications for registration forms can now be obtained by writing to the Secretary of Registration.

Repetitive Country Club

Designed by Kahn & Jacobs of this city, the building will have a hexagonal design with alternating 3'-wide columns of bronze granite and bronze tinted windows from tip to toe. Entrances footed by landscaped plazas will be on 37th and 38th Streets. Completion is expected by 1967.

Calendar

A lecture series aimed at architects, entitled “Space Forms in Steel,” will be presented in 50 cities by the American Institute of Steel Construction. The development of unusual roof structures will be reviewed in five lectures. In March, the series will appear in the following cities: Philadelphia, Toledo, Grand Rapids, Buffalo, San Francisco, and Oakland. The American Society of Mechanical Engineers will sponsor a conference on the problem of solid waste disposal in the modern city at the New York Hilton, May 1-4. On September 21-23, the International conference on space structures will be held at Battersea College of Technology.

TOMS RIVER, N. J. On a site overlooking Toms River near the Jersey coast, almost directly east of Philadelphia, work has begun recently on the Toms River Country Club. When completed this summer club facilities will include, in addition to an already existing nine-hole golf course, a clubhouse (which is really two buildings arranged on either side of an open court: locker rooms on one side, and a meeting-room dining-room capable of accommodating 300 persons on the other); a guest house, with suites for visitors; a swimming pool; and two tennis courts. The north side of the clubhouse building will be of solid fieldstone, except for clerestory glass; the south side, overlooking the links and the river, will be all glass. In citing it for an award at the sixty-fifth annual convention of the New Jersey Society of Architects, AIA, the jury commented that “it was remarkably successful in using a simple, repetitive structural system.
to unify a varied complex of building units. We thought it was beautifully related to the site, and that both open and enclosed spaces under its roof would be equally satisfying to architects and golfers. Composed of 2’x14’ channels stacked to give variations in height, the roof system offers a distinctive silhouette, provides varied interior spaces with logical provisions for air scoops and sources of natural light. Architect is Paul Fortunato Losi of Toms River, N.J.

**Gym For IIT**

CHICAGO, ILL. The Illinois Institute of Technology has, since 1947, used a “temporary structure” for its physical education and intramural athletic programs. Now, fitting in with Mies’s master plan for the campus, construction will begin this month of a gymnasium swimming pool on the temporary structure’s site. Designed by Skidmore, Owings & Merrill, the gym will have a steel-and-glass façade, with curtain walls consisting of two layers of gray glass laminated to a frost vinyl sheet. “The only glass gymnasium in the world,” SOM calls it. And because of the extra strength of the laminated glass, persons who play in the glass gym can throw baseballs. Below ground, the gymnasium has two levels, one of which houses an Olympic-size swimming pool with spectator seating. In all, there will be 72,000 sq ft of floor space, including a basketball court with seating for 2000 spectators, which can be converted into a convention center.

**Eavesdroppings**

“The national flower in this country today is the concrete clover leaf.” Lewis Mumford.

“Las Vegas is the only town in the world whose skyline is made up neither of buildings, like New York, nor of trees, like Wilbraham, Massachusetts, but signs. One can look at Las Vegas from a mile away on Route 91 and see no buildings, no trees, only signs. But such signs! They tower. They revolve, they oscillate, they soar in shapes before which the existing vocabulary of art history is helpless. I can only attempt to supply names—Boomerang Modern, Palette Curvilinear, Flash Gordon Ming—Alert Spiral, McDonald’s Hamburger Parabola, Mount Casino Elliptical, Miami Beach Kidney.”

“It is no accident that Las Vegas and Versailles are the only two architecturally uniform cities in Western history. The important thing about the buildings of Las Vegas is not that the builders were gangsters but that they were proles.” Tom Wolfe in The Kandy - Colored Tangerine Flake Streamline Baby.

**Applauding the Mall**

WASHINGTON, D.C. Late last year, the AIA voiced formal approval of the plans for the Mall in the nation’s capital. In its formal commendation, the AIA commented: “These actions chart a course for the comprehensive planning and development of Capitol Hill and other important areas of the nation’s capital.” The AIA also “applauds its appearance, its daytime and nighttime use by residents and visitors to the area, which has, from its very beginning, been the heart of the nation’s capital.”

**The character of the Federal strategy for cities has several major facets: It is directed, primarily, at raising the quality of life in American neighborhoods, and particularly for those most disadvantaged groups—the poor, the elderly, the handicapped, and the discriminated against. And it recognizes that the quality of life is not subject to remedies of better housing alone, as important as that element might be. There must also be a broad range of essential, supportive community facilities—neighborhood centers, parks and green spaces, recreation areas, health facilities, better schools, and adequate municipal services of all sorts—as well as those critical services which are needed to mend badly torn social fabric.” Robert C. Weaver, Administrator, Housing and Home Finance Agency, speaking at the dedication of Wurster Hall, University of California, Berkeley, Calif.

“Figures are already available to prove that beauty is an integral part of good business. Before rebuilding, the blighted district now occupied by Constitution Plaza (Hartford, Conn.) returned $90,000 a year in taxes to the city. The same area now returns $1,456,000 per year, without taking into account the huge revitalization of the surrounding area which this project has sparked.” Morris Ketchum, Jr., speaking to the annual convention of the Pennsylvania Society of Architects.

“Like the other professions, architecture is imperfect, conscious of cracks and oily stains on its own floor. It is a very small profession, too small to exert pressure directly on U. S. society without first learning new techniques for magnifying itself and multiplying its effectiveness. There are only 30,000 architects in the U. S., compared with 225,000 lawyers, 430,000 accountants, 975,000 engineers, and 265,000 doctors. There is a total of only about 10,000 architectural firms.”


“Architecture has turned into chaos. It is baroque, with buildings by painters, not architects. They try to be as fantastic as possible, not as reasonable. Architecture can only...
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February 1966

On Readers' Service Card, circle No. 360

P/A News Report 59
Opening that Golden Gate

SAN FRANCISCO, CALIF. Like most giant structures, the Golden Gate Bridge is many things to many people. For architects, it is a thing of grace and beauty; for airline passengers coming in from the Pacific, it is a stirring landfall; to motorists in the 24 million vehicles that cross it every year, it is a means to an end; and for would-be suicides, it is a place of last resort. And the state grew. And the Indians called their lands "Nebraska" (meaning flat in their language), and the name stuck. And the state grew. And the people grew. And so did the buildings.

Now a 36-story hotel/retail shopping/and office building is being planned that will be twice as tall as any other building downtown. The Central Omaha Tower, designed by Leo A. Daly Co., will have internal parking facilities and underground walkways leading to its neighbors. Materials used will be granite and concrete, with solar bronze glass. Work is expected to start as soon as the GSA releases the land that houses a now-declared-surplus post office.

Judging from the rendering, the building's height may be its only distinctive feature. It looks a little like an old-fashioned tani, who moves to the job from his position as Managing Director, Theaters and Concert Halls, of the Lincoln Center for the Performing Arts, the group plans to assist architects and others interested in theater construction. Among assistance offered through the firm's offices in Cambridge, Mass., New York, and Los Angeles, will be feasibility and preprogramming studies, fund raising, layout and space investigations, furnishings and equipment specifications, programming, staffing, and management and operation.

PERSONALITIES

Allan B. Jacobs, Louis E. Sauer, Richard E. Toth, Sim van der Ryn have joined the University of Pennsylvania's faculty for the Graduate School of Fine Arts... Fred L. Liebmam has been elected president of the New York Society of Architects... James E. Lash has been appointed executive vice-president of Urban America, Inc., which has merged with ACTION Council for Better Cities. The merged organization has an annual budget of more than a million dollars to help make cities "more livable, more workable, and more beautiful."... Alvin Boyarsky, master and lecturer of architectural history at the Architectural Association School of Architecture in London, has been appointed associate dean of the college of architecture and art at the new Chicago Circle Campus of the University of Illinois... Elliot Noyes has been elected president of the International Design Conference in Aspen.

Awards

John Carl Warnecke is a 1965 Sports Illustrated Silver Anniversary All-America winner. He was a tackle on the Wow Year All-America football team at Stanford University before his graduation in 1941.

Theater Consulting Group Formed

BOSTON, MASS. Consultation in any phase of theater design and management is the service offered by the new theater consulting group at Bolt, Beranek & Newman, Inc. Under the direction of Thomas DeGae-
No, not until you look close-up. If you can't see the beautiful 3-dimensional pattern, why use Rigid-tex on this remodeling project? Because it solved several big problems. Can you imagine the blinding reflectivity on a bright day if these multi-faceted medallions had been made of plain stainless steel? Rigid-tex pattern 6 WL was used because it eliminates this optical distortion which is always a major problem in large areas of flat metal. Equally important was the economy! Rigidizing strengthens metal. A lighter gauge stainless was specified providing more square feet per pound. Finally, it was easier and less costly to fabricate and install. For latest architectural catalog and samples, write
adding machine in modern trim—one that does not add up to much.

More Traffic Hazards

The executive, or anyone else who can afford it and wants to avoid the ignominy of driving a mere single-family automobile into the crowded hearts of our cities, can now have the doubtful distinction of taking up as much room as a commercial bus with the "3500 Series Executive Land Cruiser" put out by the Custom Coach Corporation of Columbus, Ohio. The individual company buses are, as indicated, arrangeable as to floor plan, allowing you to sleep, drink, or dispose of bodily wastes on a custom basis, but they are nevertheless just another blow to the already constipated cities of America. Hence, executives can carry their wastes to the nearest disposal, but what can cities do?

Science in Rotation

BERKELEY, CALIF. Borrowing a device from other performing arts, scientists at the University of California are lecturing in what is billed as "the first rotating stage installed in a major auditorium on a college campus." Housed in an oval-shaped building (the recently completed physical sciences lecture hall), the stage allows professors to set up experiments and demonstrations behind the scenes while the lecture hall is in use. The rotating stage has three podium positions, each complete with laboratory benches, sinks, and blackboards. Suspended from the ceiling within the hall are television monitor screens, which give the audience close-up shots of what is happening on the podium. These 16 screens can be lowered automatically from the ceiling and adjusted for proper viewing. The hall seats 550 persons.

26 Western Homes Win Awards

COSTA MESA, CALIF. Construction of Atlantic Research's Missile Systems Division office will be completed by July. Designed by the Long Beach architectural firm of Killingsworth, Brady & Associates, the complex will include four buildings for engineering, manufacturing, and test facilities. The central executive building will perch, Indian-fashion, in a large reflecting pool, whose fountains will set a tone of gracefulness. The 800 employees will also be treated to garden areas adjacent to the cafeteria. Expansion as well as grace has been keynoted. All buildings have been designed to fit into 4' grids and thereby facilitate future additions.

The Sacred Halls of Ivy

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The proposed "document" bringing the American Arbitration Association into construction industry disputes, which was so enthusiastically endorsed by the AIA in mid-December, won't be finally approved by all parties until March or April.

But there's no doubt that it will be approved, and that it can mark a brand new era for all parties in the industry.

Key points include:

- Use of AAA facilities (through inclusion in contract documents) to settle disputes, thus eliminating alternate arbitration by an AIA panel;
- Establishment of an "Advisory Council" that would represent the construction industry and would set up arbitration criteria.

A probable sharp cut in arbitration costs should make the procedures more attractive to contractors, and it is hoped, might well eliminate much subsequent court action.

The second point is of most interest to contractors, who are usually the aggrieved parties in disputes with architects and owners. They've long felt that organizations such as AAA try to impose general rules on arbitration procedures that are perfectly suitable for most business problems but don't fit the peculiarities of the construction industry at all. Now, with a carte blanche to draw up their own rules (within the limits of AAA procedures), they feel that arbitration would be much fairer, and that they would use it more.

Of course, the fact that architects are to be removed from the occasional embarrassment of being judge, jury, and prosecuting attorney on their fellow workers' problems is another advantage.

Significance of real arbitration procedures in the industry is very great and could have a decided effect on construction costs. Many lawyers have boasted that they can by-pass any arbitration procedure, if their clients choose, by direct court action. But court records show that when arbitration has been conducted, a majority of cases are solved within the limits of the arbitration awards. Hence, if contractors can be convinced that arbitration is fair, just, and that the arbitrators understand the facts thoroughly, the tendency to charge off to the courtroom will be reduced.

Delay in final approval of the plan is occasioned by dates of annual sessions of the Associated General Contractors and other participating groups, and by a need to work out details of membership and duties of the proposed advisory council.

AIA to Define Criticism

Architects will have to do much soul-searching, and pay careful attention to comments both verbal and written, before AIA promulgates any new interpretation of "criticism," or sets up a recommended program on public information.

Reasons: to avoid the unmistakable charge of sour grapes; and to avoid the implication of any attempt to control or direct press and public criticism.

Problem is that architects particularly in Washington—have not hesitated to criticize loudly the work of other professions in design and planning (even criticizing their own members, as recent comments on the employment of Mies van der Rohe to design a new library indicated). But when their own carefully selected design for a new headquarters building came under sharp attack in the capital, they had to backtrack on the plan themselves, under the guise of need for more space than originally specified.

To follow such an action with a publicity release stating that the AIA is taking "major steps to develop methods of informed architectural criticism" (announced at the same press conference as the change in plans for headquarters) almost invites the comment that AIA is seeking to prevent general criticism of itself and its members.

Railways in Tubes

The planners who envision rail lines in tunnels to connect great metropolitan areas with very high speed service have a good idea in terms of the aesthetics and perhaps economics involved, but they may be forgetting an important principle of aerodynamics that could cause a lot of trouble.

The U.S. Department of Commerce stressed the point: A train, moving through a tunnel at 55 to 70 mph, could build up about the same amount of pressure as an airplane flying 5000 to 7000 ft per minute. Such a rate of descent is forbidden by the Civil Aeronautics Board, which figures that, unless the plane cabin is pressurized, anything above 2000 fps is dangerous to passengers.

On the basis of experiments with a two-car train in New York's Hudson Tubes, Commerce engineers argue that high-speed trains, such as those proposed for the Boston-to-Washington run, would have to be completely pressurized to be safe.

Architects and planners have suggested tunnels for such speedy travel, on the grounds that they would cause the least disruption of surface activities, the least marring of the landscape, and the least maintenance against weather conditions that might block scheduled service. If pressurization must be added to the costs of construction and rolling stock, however, the whole idea could become economically expensive.

Urban Road Beauty Consultants Named

Appointment of that eight-member "Advisory Board of Urban Consultants," to assist the Bureau of Public Roads on urban route locations, reflects an upcoming change of emphasis in the vast Federal-aid highway program, as well as an attempt to stem growing criticism of highway aesthetics.

The change in emphasis is dictated by the program itself—away from rural areas, where a lot of road mileage could be built in a hurry and where few problems of interchanges and right-of-way are involved, to the highly urban areas, where costs will be enormously greater and progress a lot slower. There's also a political consideration: With the increasing voter power of the urban areas under recent court decisions and new legislation, politicians must make suitable bow to them.

At last year's conference on beautification, highway engineers came under heavy attack—much of it from architects and land planners—for their supposed concentration on road mileage at the sacrifice of beauty.

BPR has therefore named an unsalaried group of consultants (including two civil engineers) as the new advisory group. Included are Michael Rapuano (as chairman), a New York landscape architect and engineer; Lawrence Halprin, San Francisco landscape architect; and Kevin Roche, Hamden, Conn., of Eero Saarinen & Assoc.

Financial

Key fact for architects is the continuing prediction of an ever-increasing dollar volume (in dollars, at least) for the construction industry for 1966. The Commerce Department made it official with its own forecast, which is in close agreement with industry forecasters, of a $73 billion year for new construction.

There was, however, a sobering note: just what effect the escalating costs of war in the Far East would have on the domestic economy. Cutbacks in military construction (for family housing and other amenities at U.S. bases), already announced, are one indication. If the Federal Government begins to tax large amounts of material and labor out of the domestic construction economy, the final effect could mean a major shift in the type of work available.

Meanwhile, final totals for 1965 indicated a strong finish for the year, and close agreement with predictions of a year ago: In November, home mortgages dropped slightly for the fourth consecutive month—to $98 per $100 of outstanding loans.

There was an encouraging note from the money markets, as average secondary market prices for FHA-insured mortgage loans dropped slightly for the fourth consecutive month—to $98 per $100 of outstanding loans.

Most encouraging was the continued taxpayer support of public works construction. In November, voters approved 70 per cent (by value) of all such issues presented to them. In a total of $2.3 billion worth of new money for schools, roads, water and sewerage projects.
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When it comes to painting, cement floors are a problem. Cement, porous and moisture-absorbent by nature, will often discolor after painting . . . or even worse, crack, peel, or scale. Cabot's Cement Floor Stains, newly developed to answer these problems, penetrate well into the cement surface. The resulting color is decorative and uniform, lending beauty to the texture of cement and concrete. Unlike integral colors, Cabot's Cement Floor Stains may be relied on to provide accurate colors without fading.

- For cement, concrete, flagstones, all masonry surfaces inside or out . . . basement floors, walks, steps, patios, sun decks.
- Resists abrasion and moisture, will not crack, peel, or blister. Detergents and beverages will not mar the finish; it is alcohol-resistant.
- Easy to apply with brush, roller, or spray . . . has great covering power; prevents cement floor "dusting."
- Eight colors: Mint Green, Brownstone, Brick Red, Quarry Gray, Evergreen, Cobblestone Gray, Sandstone, Pipestone Red . . . plus White and Black.

SAMUEL CABOT INC.
328 S. Terminal Street, Boston, Massachusetts 02210
Please send color card and information on Cabot's Cement Floor Stains.

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On Readers' Service Card, circle No. 332

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On Readers' Service Card, circle No. 425

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On Readers' Service Card, circle No. 425

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February 1966
Air/Temperature

Let Your Air Down

Continuous slot diffuser attaches directly to air ducts above ceiling panels. A concealed vane controls direction and volume of air diffused through slot. Extruded aluminum “Flexiline,” with single or multiple slots, is adaptable to tile, grid, or plaster ceilings.


On Readers’ Service Card, Circle 100

Coffered “C-60”

Integrated ceiling system offers alternative to suspended flat ceiling construction. “Luminaire C-60 System” is available in pairs of 30” x 60” coffered units. Conditioned air is distributed through perforated acoustical tiles lining the soffit and sloping sides of each cof- fer. A 4” lighting fixture fits into a coff er. Armstrong Cork Co., Lancaster, Pa.

On Readers’ Service Card, Circle 101

Smoke/Odor Removal

Line of compact, self-heating catalytic reactors remove smoke and odors from exhaust air in food, appliance, and process industries. Unit oxidizes smoke and vapors, and therefore does not require frequent cleaning and changing of a filtering element. Air capacity ranges from about 1 to 15 cfm, depending on whether the circulation is by natural or forced draft as well as on the loading, air inlet tempera- ture, and the required efficiency of operation. Units measure 3”, 5”, and 12” in diameter and 4” in height. Custom models are also available. Prototech Co., 50 Moul- ton St., Cambridge, Mass.

On Readers’ Service Card, Circle 102

Simplified Humidifier

Stainless-steel evaporative humidifier fits into all forced air furnaces. “Rite-Aire Model 201” eliminates filter pads or belts, float, solenoid valve, drain, pump, electrical hook-up, and humidistat. The humidifier can be mounted on either the warm air plenum or the cold air return. Simple selector control adjusts the output. Capacity: ½ gal per hour. At- water-General Corp., Watertown, Wis. 53094.

On Readers’ Service Card, Circle 103

Doorway Heater

Gas-fired heater, for mounting under a ceiling, directs fan-propelled heat into doorway when garage doors open. Automatic switch starts heater when doors open. Heater, rated at 600,000 Btu an hour, has electronic flame-failure controls. Heat Machinery Corp., 20310 Chagrin Blvd., Cleve- land, Ohio 44122.

On Readers’ Service Card, Circle 104

Fan-Coil Units

Fan-coil room air-conditioning units with molded glass-fiber-reinforced-plastic fan volutes and a three-speed motor reduce noise and operating expenses, according to the manufacturer. “UniTrane” units with 800-, 1000-, and 1200-cfm capacities are available in eight variations of free-standing, wall-mounted, recessed, or concealed cabinets, plus optional controls and coils. The Trane Co., La Crosse, Wis.

On Readers’ Service Card, Circle 105

Construction

Rugged Outdoor Look

Rough-sawn redwood bevel siding is prefinished and backprimed with a water repellent that seals the exposed lap edges. Finishes are natural, red brown, or driftwood gray. Available in 6", 8", and 10" widths, and 3" to 20' lengths. Color-matched aluminum nails also included in siding package. Simpson Timber Co., 2192 Washington Bldg., Seattle, Wash. 98101.

On Readers’ Service Card, Circle 106

Electrical Equipment

Prism Lens

Lights Walls

Prisms molded into acrylic lens for flush ceiling fixtures can direct light onto walls at varying angles. By changing the trans- verse position of the lens in relation to the fluorescent light source, the angle can be fixed anywhere between 0° and 15°. Flutes in the back of the lens keep brightness low and uniform. Holophane Co., Inc., 1120 Avenue of the Americas, New York, N. Y. 10036.

On Readers’ Service Card, Circle 107

Doors/Windows

Let Your Fingers Do the Locking

Push-button lock has a possible 10,000 four-digit combinations from 10 buttons. Individual combinations are set on a pair of metal slides, which can be replaced with a different combination for slightly more than the cost of a key, claims manufacturer. Preso-Matic Lock Co., Inc., 8228 W. 47 St., Lyons, Ill. 60534.

On Readers’ Service Card, Circle 108

Paint

Plenty of Paint

A self-priming exterior latex oil-acrylic paint is available in 1500 colors. It combines the durability of latex with t...
Are the bugs out of all plastic flashings? Just one—

Saraloy 640R.

There are only two reasons for not specifying flexible flashing: (1) you’ve tried it before with mixed results, or (2) you don’t like to try new things. Well, now we think we can reassure you on both counts. Early flexible flashings (and a few that are still around) had their faults. These have been corrected in Saraloy® 640R plastic flashing. Second, flexible flashings are not new. They’ve been some time reaching the state of perfection embodied in Saraloy 640R flashing. Consider the advantages of Saraloy 640R. Since it’s flexible, it can adjust to the building movements that occur. It can withstand extreme roof temperatures—either hot or cold—without thinning out or getting brittle. And it lasts and lasts.

It cuts on-the-job installation costs and is a joy for roofing contractors to work with. Doesn’t it sound like it’s worth a try?

For more information, contact The Dow Chemical Company, Plastics Sales Department, Midland, Michigan 48640, or consult Sweet’s Architectural File 8g/Do.
penetration and adhesion of oil, says manufacturer. Paint dries in 1 to 2 hours and is available in "white tint base and deep tone base." Available throughout the West. Pabco Paint Div., Fibreboard Paper Products Corp., 475 Brannan St., San Francisco, Calif.

On Readers’ Service Card, Circle 110

Coating Resists Bacteria Growth

A plastic wall coating suitable for hospitals, nursing homes, and institutions, does not support growth of staph bacteria, says the manufacturer. The non-toxic, low-odor coating, "Zolatone 431,” also does not support combustion, and has a minimal smoke factor. It resists scratching and is available in either solid or tonal colors. Coated wall can be washed or scrubbed without impairing the finish or its resistance to staph growth. Zonatone Process Inc., 3411 East 15 St., Los Angeles, Calif. 90023.

On Readers’ Service Card, Circle 111

Furnishings

Everything but Flowers

A ground cover softer than asphalt, more durable than grass, is what architects and landscape architects have wanted for playgrounds for years. Now, outdoor rugs by Cabin Crafts offer a perennial spring. Dow Chemical's slim, ribbon-like saran fiber "Rosanova" is tufted to produce a pile that is the most realistic of the outdoor-carpet grasses. Adhesives are applied to the rubber-waffle backing for installation at poolsides (non-slip), city terraces (nongrassable), golf courses (nonpendable), etc. Manufacturer claims easy care (with a hose), color-fastness (even to pool chlorine), and durability.

On Readers’ Service Card, Circle 112

Machines on Wheels

Almost any business machine can travel in style with this neat table on wheels. The unit is 26" high and has a double laminated plastic self-edged top (18" x 31½") of textured gunstock walnut with satin or mirror chrome legs. Approximately $60. Cramer Industries, Inc., Kansas City, Kansas.

On Readers’ Service Card, Circle 113

Shock Therapy for Rugs

Barwick and Monarch Mills nylon carpets no longer let the sparks fly because of their new static-repellent "No Shock" process, which is said to reduce static level to the point where electrical charges are virtually eliminated. Applied to the back of the fabric, before the latex binder and the final double backing. "No Shock" is a special conductive coating that is permanently locked into the carpet. It is not affected by wear and never needs to be reapplied. Manufacturer also claims a reduction in soiling due to static loss. All the company's nylon carpets are now treated with "No Shock." E. T. Barwick Mills, Inc., Chamblee, Ga.

On Readers’ Service Card, Circle 114

Adjustable Library Shelves

Bookcases for offices, classrooms, or libraries combine polished steel tubular corners and the richness of natural wood and grained laminated plastic. Though the solid walnut shelves are completely adjustable, manufacturer claims frame construction is rigid enough to withstand the most demanding weight loads. Top and base frame boards are finished in a choice of enamel colors. Models in 42", 60", and 84" heights, 10" and 20" depths; optional back panels in 36" lengths. Haney School Furniture Co., 1600 Berkey, S.E., Grand Rapids, Mich.

On Readers’ Service Card, Circle 115

Executive Furniture

The "Officers Collection" by Drexel includes desks, chairs, cabinets, and conference and occasional tables. Post-and-beam structure of the legs makes the cases, in contrasting wood, look suspended from it. American walnut solids and veneers have been given a protective top coating for easy upkeep. Drexel Enterprises, Inc., Drexel, N.C.

On Readers’ Service Card, Circle 116

Modern French Furniture

Olivier Mourgue of France has designed two groups of seating. The first consists of eight sculptured pieces—chairs, a loveseat, single and double benches, and a chaise longue (upper photo). Construction is of tubular steel with rubber webbing and molded foam rubber padding covered in stretch fabric of vibrant colors. The other group, which is good for public spaces, is constructed of flat stainless-steel bars with rounded edges; installed over flat suspension springs, the foam rubber upholstery is covered in black leather sewn in horizontal ribs. This group includes an unusual back-to-back chair (lower photo), a low and a high-backed chair, a small bench/ottoman, and a chaise longue. George Tanier, Inc., 305 E. 63rd St., N.Y., N.Y.

On Readers’ Service Card, Circle 117

Snappy Black

JG Furniture is now showing Dave Woods' "1/S" group—chair, settee, and sofa—wherein emphasis is on flexibility as well as appearance. Each piece comes with or without arms, so as to fit many layouts. The designer notes that a 1" contour separation between the upholstered elements allows for physical flexibility as well as providing subtle visual interest. The underside is of stainless steel, the upholstery of vinyl or leather. All pieces can be made longer on a 1/2" module. Height: 26"; depth: 30½". Tentative list prices (leather armless): chair, $788; settee, $1095; sofa, $1495; arm's approximately $100 more. JG Furniture Co., 160 E. 56th St., N.Y., N.Y.

On Readers’ Service Card, Circle 118

Tip Off on a Tip-up

Lecture-theater chair measuring only 4½" from front to back when tipped up is available in a range of woods and upholsteries, along with optional swivel armrests, folding desk shelves, modesty panels, ashtrays, and front row screens. All mecanical devices are hidden; the underside of the seat is upholstered for...

On Readers’ Service Card, Circle 119

Hard-Hearted Desks

Of three new furniture groups by Croydon, three “Advantus” desks are most original, combining steel interiors with wood cases. Also in the line are two tables and a side cabinet. Interior parts of desks are die-formed steel; exteriors are walnut veneers, quarter cut and book matched; tops are mar-resistant. The bright chrome legs come in two variations: wood inlay on the vertical member or a tapered horizontal. Croydon Furniture Corp., a division of Royalmetal Corp., 1 Park Ave., N.Y., N.Y.

On Readers’ Service Card, Circle 120

Spaced Frame

For those who want a “residential” feeling about their “office” furniture, the gap has been bridged with tufted, wood-framed seating (settees, sofas, armchairs, and sidechairs) from Jens Risom. A slight separation between backrest and supporting frame is accomplished by means of wood spacers. Frames are of solid white ash or American walnut; angled back legs are steam bent; upholstery fabric or leather is available button-tufted, with or without intersecting seams. Dimensions: 30½" deep x 32" high. Jens Risom Design Inc., 444 Madison Ave., New York, N.Y.

On Readers’ Service Card, Circle 121

Four-in-One Light

Hospital light fixture, encasing two fluorescent and two incandescent tubes that function separately, can serve four purposes: indirect fluorescent uplight for general illumination; direct fluorescent downlight for reading (baffles control glare); indirect, high-intensity, incandescent uplight for examination (with 200-w reflector flood lamps at either end of fixture optionally included); and low-level, incandescent downlight as nighttime. Functions are individually controlled. All-aluminum case can be enamelled oyster white or expresso brown; alternate front can be walnut panel. Designed by Ted Greene and Joel Florence for Lightolier, 346 Claremont Ave., Jersey City, N.J.

On Readers’ Service Card, Circle 122

Services

Built-In Rooms

Prefab dormitory room units are designed for installation inside a building shell with exterior walls, floors, and suspended ceilings. Fabricated in a “wide range of designs to meet architects’ requirements,” the room units contain built-in beds, desks, wardrobes, shelves, and fluorescent lights over the beds. Walls are acoustical panels with a foam plastic core covered by steel skins finished in baked enamel. Standard designs are for single rooms, double rooms, and two room suites. Washrooms are included in package. Rooms are said to be economical to maintain and easy to assemble or disassemble. The General Fireproofing Co., E. Dennick Ave., Youngstown, Ohio 44501.

On Readers’ Service Card, Circle 123

The Model Plant

Scale models aid designers and management with problems too complex to be handled adequately by plans alone. For plant layouts, machinery, and equipment can be placed in various arrangements to determine the most efficient use of space. Models also assist designers in placing intricate piping systems, and guide work crews in the field. Generally built to ½", ⅛", or ¼" scale, the models are also made for architectural applications. Illustrated is a Plexiglas model of the nuclear steam power plant being built by Washington Public Power Supply System at the Hanford Atomic Reservation, Washington. United Scale Models, Inc., Chester, Pa.

On Readers’ Service Card, Circle 124

Adjustable Louvers

Custom-designed, pneumatically controlled louvers change auditorium’s reverberation time from 2.0 seconds (for music) to 1.5 seconds (for speech). Reverberation time is reduced by exposing panels of acoustic material set behind the louvers. Aluminum-faced panels are filled with urethane foam. Maker says panels can be moved silently during a performance. Conceived by Walter A. Scholer & Associates, architects, and designed by Construction Specialties, Inc., the system has been installed in an auditorium at Ball State Teachers College, Muncie, Ind. (illustrated). Construction Specialties, Inc., 55 Winans Ave., Cranford, N.J.

On Readers’ Service Card, Circle 125

Brick Panels

A patented process for bonding brickwork enables manufacturers to prefabricate reinforced brick panels at a factory. Panels can be built to any size suitable for transporting to a job, thus reducing site labor. Panels can be single or double wythe for wall or pier construction. Masonry Panels Inc., 3507 Milam St., Houston, Texas 77002.

On Readers’ Service Card, Circle 126

Special Equipment

Bidding On Microfilmed Plans

“Scan” system involves microfilming of architectural plans and mailing them to potential bidders. Subscribers view the microfilms on a patented projection table installed in their offices. Set of plans weighing 50 lbs can be mailed first class in a package the size of a cigarette pack. System benefits include making subcontractor “take-offs” outside regular business hours, bidding in a wider geographical area, and the elimination of blueprint purchase and deposit expense. Subscribers pay a fee for each
Burned up battling the problem of lamp heat?

Cool it in July, heat with light in February. Specify Quartette, the New Total Integrated Ceiling.

Quartette's absolute control of lamp heat is completely new - concept, unequalled by any other ceiling system.

Quartette's above-lamp air return device carries lamp heat directly into a negative pressure plenum. Exhausts heat in warm weather. Provides a reservoir of heat in winter, ready for reuse in heating cool perimeter spaces.

Quartette is adaptable to conventional heat-of-light reuse components, too.

Only Quartette has everything a ceiling should have: Beautifully textured appearance, with complete integration of light, air exchange, acoustical control and partition support in every module — and its custom-sized modules fit any interior space. Quartette is compatible with any floor plan because every environmental function is in the ceiling. Quartette light is amazing, interesting, glare-free. Provides up to 600 foot-candies, or more.

Air diffusion is below lamp level, noiseless and draft-free. Full circulation achieves never-stagnant, always refreshing air exchange.

Quartette repartitioning is simple, fast. Requires only one tool: A screwdriver. No ceiling damage, ever. Affords absolute partitioned space privacy, with maximum architectural freedom. Quartette has everything. Pays for itself in operating economies. And Quartette is beautiful beyond words.

Write for a Quartette Ceiling brochure. Discover environment control second only to nature's.
models have drop-leaf doors;
Executives who come from homes furnished like this...

...appreciate office lavatories like this

The pictures above make the point. Office washrooms can be as handsomely functional as an executive's own bathroom at home. They can be made just as personal, too—designed to reflect his taste and the dignity of his office.

All it takes is you, the architect, plus a deft application of Eljer Master Crafted fixtures.

Eljer Master Crafted fixtures present an all-new look. You'll find it in the graceful sweep of their lines, the aesthetic appeal of their colors. Their variations in style complement any decor. Their lustrous, acid-resistant finish provides long life and inexpensive maintenance.

Get the entire story. Call your Eljer representative or write Wallace-Murray Corporation, Eljer Plumbingware Division, Dept PA, P.O. Box 836, Pittsburgh, Pa. 15230, Master\nCrafted\nFINE PLUMBING FIXTURES

On Readers' Service Card, circle No. 344
The “6300”

...newest of the P&S super devices

This is the new super “6300” by Pass & Seymour. Made without compromise... for the job where only the best will do.

The body and top are molded of high impact Melamine. All contacts are reinforced by plated spring steel clips... and each contact is individually recessed. May be side or back wired—with up to No. 10 wire. Assembly screws are threaded into the metal strap, not the plastic body.

The “6300” is for installations facing years of rough usage. It looks different because it is a truly different heavy duty outlet.

MORE SUPER DEVICES FOR HEAVY DUTY SERVICE

MODERN ARCHITECTURAL DETAILING:

A complete pictorial survey of detailing in contemporary architecture

MODERN ARCHITECTURAL DETAILING: Vol. II
Edited by Konrad Gatz
1965 284 pages 500 illustrations (40 in color) $17.50

This book illustrates how some of today's leading architects have solved the detailing problems which have faced them. It is divided into three main sections: (1) Structural Details which covers everything from details found in steel-framed and reinforced concrete buildings to garden pools and fountains; (2) Details Of Interiors and Fittings; (3) Unity Of Detail which deals exhaustively with five complete building projects notable for their excellent design. The detail work of more than 250 American and European architects is examined with a view toward aesthetic quality, technical soundness and originality. The value and uses of both new and traditional materials are discussed in relation to structure, exteriors, interiors and landscaping, providing a wealth of ideas and information for the architect, draftsman, designer, building contractor, and interior decorator.

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On Readers’ Service Card, circle No. 371

February 1966
MANUFACTURERS' DATA

Air/Temperature

Blowing Hot and Cold

Through-the-wall heating units can be converted to air conditioning a room without piping or wiring changes. Booklet illustrates units and controls, lists dimensions, connections, and capacities, and offers suggested specifications. 16 pages. American-Standard, Industrial Div., Detroit, Mich. 48232.

On Readers' Service Card, Circle 200

Unit Heaters

Brochure of gas-powered unit heaters gives dimensions of three models and illustrates the heating coverage for several types of air deflectors. Brief specifications tabulate optional and standard equipment. 6 pages. Modine Manufacturing Co., 1500 De Koven Ave., Racine, Wis. 53401.

On Readers' Service Card, Circle 201

Construction

Stressing Tendons

Pamphlet describes a French strand tendon now available in the U.S. Chart indicates available sizes and loading capacities; simplified drawings show fixed and free anchorage details. Also included are pictures of a few applications, brief specifications, and table of jack dimensions. 8 pages. Stressteel Corp., 221 Conygham Ave., Wilkes-Barre, Pa. 18702.

On Readers' Service Card, Circle 202

Steelwork Exposed

A new manual, "Exposed Steel, Architectural Design Details," covers the history, properties, availability, and appearance of structural steels that can be painted and left exposed, or can be exposed without protection against atmospheric conditions. The book offers specifications for these steels and for finishing and protecting them. Well-produced details illustrate applications for several types of buildings. United States Steel Corp., 525 William Penn Place, Pittsburgh, Pa. 15230.

On Readers' Service Card, Circle 203

Fold and Glue

Design manual for plywood fold-plate roofs spanning from 24' to 100' simplifies design procedures with selection tables for slopes, bay widths, plywood sizes, contact area for gluing, bearing areas, and, where necessary, tie rod sizes for wide range of spans and loading. Connection details and construction photos are also included. American Plywood Assn., Tacoma, Wash. 98401.

On Readers' Service Card, Circle 204

The Tie That Binds

Booklet about welded steel reinforcement for masonry wall construction illustrates typical applications for several types of walls, recommends reinforcing sizes and placement, and shows how and where to use ties to strengthen walls. 16 pages. Dur-O-Wal, National Inc., P.O. Box 150, Cedar Rapids, Iowa 52406.

On Readers' Service Card, Circle 205

Vermiculite Concrete

Reprint of American Standard Specifications for Vermiculite concrete covers materials, properties, mixing, placing, and curing of lightweight concrete for roof decks and slabs on grade. 12 pages. Vermiculite Institute, 4725 Olson Memorial Highway, Minneapolis 22, Minn.

On Readers' Service Card, Circle 206

Specs for Stainless-Steel Curtain Walls

A guide for specifying stainless-steel curtain walls or stainless-steel components used in curtain walls. Notes clarify items that vary with different projects. These specs, which follow the AIA format, are produced with the cooperation of the Committee of Stainless Steel Producers and the American Iron and Steel Institute. The International Nickel Co., Inc., Reader Service Dept., 67 Wall St., New York, N.Y. 10005.

On Readers' Service Card, Circle 207

Dental Planning


On Readers' Service Card, Circle 208

Extruded Shapes . . .

in stainless steel, carbon and alloy steel, nickel-base alloys, and titanium in many profiles, both hollow and solid. Stock shapes and made-to-order designs are available. 18-page booklet includes photos, profiles, technical information, and a specifications table listing chemical composition and mechanical properties.

On Readers' Service Card, Circle 209

Steel Roof Deck

Two profiles of ribbed decking are available in 18- to 26-gage steel. Leaflet lists physical properties, safe load tables, and dimensions of decks. 4 pages. Penn Metal Co., Inc., Parkersburg, W. Va.

On Readers' Service Card, Circle 210

Air Structures

Brochure describes air-supported shelters suitable for warehouses and recreational use. It briefly shows what the shelters are made of, how they are anchored, and how doors are built into the shelter. 8 pages. Birdair Structures, Inc., 1800 Broadway, Buffalo, N.Y. 14212.

On Readers' Service Card, Circle 211

Sliding Glass Doors

Revised catalog is divided into four series of aluminum sliding glass doors: lightweight 600's for volume project construction; the sturdier 700's; 800's for "monumental type" installations (stock or custom); and 715's, which have been designed for high-rise buildings and have compensating jamb and head. Twelve-page catalog includes installation details, windload charts, sizes, and specifications. Nor- thrup Architectural Systems, 999 So. Hatcher Ave., City of Industry, Calif. 91745.

On Readers' Service Card, Circle 212

Panel Show

Fire and hemlock panel doors are available in variety of de-

February 1966

Manufacturers' Data 79
Signs, with and without lights. Louvered doors are also shown. Catalog illustrates doors and lists sizes of components. 48 pages. St. Regis Forest Products Div., Libby, Mon. 59923.

On Readers' Service Card, Circle 213

Walls to Match Your Doors

Custom-made, solid-core wooden doors and matching plywood wall panels (custom or stock) are available in any hardwood veneer required. Two 16-page booklets (one for doors, one for panels) each include photos, construction details, and suggested specifications. Eggers Plywood Co., Two Rivers, Wisconsin.

On Readers' Service Card, Circle 214

Out of the Woods

Folding doors with laminated cores bonded to veneers of Philippine mahogany, oak, birch, pine walnut, or ash. 8-page pamphlet gives photos, details, size charts, and specifications. Rolscreen Co., Pella, Iowa.

On Readers' Service Card, Circle 215

On the Face of It

Steel is the best material for many industrial door installations. STEELMASTER gives protection, strength, rigidity, durability under heavy usage. Use it in remote locations, wherever possible intrusion may be a consideration, wherever valuable equipment, products, or materials are to be safeguarded or hard, daily usage is a factor. Here are some of the features that make the STEELMASTER a great door and a great buy.

Each section is ROLLED FROM A SINGLE SHEET for basic strength and to eliminate joints.

CHIP-LAP MEETING RAILS with seeless MOISTURE-LOCK GAP are rolled integral with each section.

Turdy TWO-INCH THICK BOX SECTION CONSTRUCTION puts the entire steel section under tension; adds rigidity.

RAP-AROUND END CHANNELS, resistance-welded to box sections enclose section ends and provide heavy, 16-ga. member for attaching hardware.

INTERMEDIATE RIBS, 16-ga. double-radius formed, spaced 36°.48° apart, resistance-welded to sections and flanges, increase strength and rigidity.

ELECTRO-GALVANIZED FINISH is protected by SPRAY PRIME PAINT COAT ready for final painting.

Equipped with famous Crawford SAFETY TORSION SPRING mechanism—the best; more than two million in daily use.

STEELMASTER accepts all commonly used ACCESSORIES such as electric operators and control systems.

Prices and other information, call your local Crawford Distributor listed in the Pages under DOORS. Write for BULLETIN CD-3762.

On Readers' Service Card, No. 411

Crawford Door Co.

4270-3 High Street, Ecorse, Michigan 48229

Electrical Equipment

Shielded Ceiling

Pamphlet describes suspended ceiling system that prevents radio frequencies emitted by fluorescent lamps from inter-
Laboratory test puts lead on top

The new Cominco Product Research Centre in Sheridan Park near Toronto, Canada, has put lead quite literally on top. On top of the laboratory roof, to be exact. Only time will tell if this particular lead roof will pass all the tests of long use. However, many lead roofs have served for over 500 years, so no one is very worried.

Cominco's reasons for choosing lead roofing may well relate to your needs, too: 1) Lead will outlast the building it shelters. 2) With modern thinner, lighter, stronger lead-alloy sheets, lead installation costs are competitive with other metals. There's no "spring-back". Lead conforms easily to the workman's will and the roof's irregularities. 3) The beautiful natural grey patina of lead only improves with age. 4) There's never any staining of adjacent stone, concrete, or light-colored painted surfaces. 5) Lead has high sound-proofing performance. 6) If building becomes outmoded, lead has high salvage value.


On Readers' Service Card, circle No. 415
featuring with sensitive electronic equipment in the room below. Expanded aluminum honeycomb ceiling panels fit into suspended T-bars. 4 pages. Nova Industries, Inc., P.O. Box 1731, San Leandro, Calif. 94577.

On Readers’ Service Card, Circle 217

**Low Brightness Fixtures**

Brochure catalogs complete line of ultra-low-brightness downlighting fixtures. Diagrams show how various lighting designs can be achieved by specifying combinations of fixtures, cones, lamps, and colors. Specifications are given for standard equipment and aperture matched, integrated equipment. Lighting & Electronics, Inc., 81 Prospect St., Brooklyn, N.Y. 11201.

On Readers’ Service Card, Circle 218

**“Give Me Some Light”**

For Shakespeare in any medium, theater, TV, or movies, an extensive catalog of lighting equipment: quartz and quartziodine lights in spot-to-flush, fill, backlight, strip, etc., accessories, dimmer systems, and converters. Catalog gives charts, photos, and specifications. Price lists also included. ColorTran, 1015 Chestnut St., Burbank, Calif.

On Readers’ Service Card, Circle 219

**Furnishings**

**Goodyear’s Plastic Laminates**

Samples of Goodyear’s “Vi-dene” plastic laminates are displayed in a fold-out book. Entire collection, one of the most impressive marketed, includes approximately 14 woods (with convincing texture), 35 colors (ranging from muted...
Who is moving two-way traffic most efficiently through doorways?

Stanley is.

With automatic entrances like this.

You can eliminate doorway traffic jams by design! Get information on Stanley automatic sliding entrances. Write us for Folder No. M67-COM. Look us up in Sweet's. Or check under "Door Operating Devices" in the Yellow Pages. Stanley offers a complete line of famous MAGIC-DOOR® operators (pneumatic, hydraulic, electric), controls and accessories for doors that swing, slide or fold. Stanley Door Operating Equipment, Division of The Stanley Works, New Britain, Connecticut.

CONSULT YOUR NEAREST MAGIC-DOOR DISTRIBUTOR LISTED AT LEFT

February 1966

On Readers' Service Card, circle No. 383
Panels and Stuff

Comprehensive catalogue illustrates all sorts of "decorative" panels to be used in screens, closet doors, windows, and case pieces. Of particular interest among much debris are some three-dimensional wood panels available in geometric, oval, free-form, and other intricate wood designs. 64 pages of color and black and white photos, charts, prices, specifications. Pinecrest, Inc., 2710 Nicollet Ave., Minneapolis, Minn. 55408.

On Readers' Service Card, Circle 221

A Little Light Laughter

Items of use in varied and uneven 90-page catalogue include spherical and ellipsoidal...
Introducing the
Richards-Wilcox
INCOMPARABLE
380

A NEW DIMENSION IN OPERABLE CLASSROOM WALLS

The ultimate in simple operation and sound control

1. Sturdy R-W special design No. 888 track made of 8-gauge steel—the strongest track being used by any maker of movable walls.

2. R-W special design hanger for ease of operation. Four sealed ball bearings, plus thrust bearing, virtually eliminates starting or rolling friction.


4. Friction-free thrust bearing makes folding action of panels easy.

5. Continuous retractable 4-point top sound seal locks into place.

6. Durable aluminum top guides eliminate maintenance.

7. Sound retardant wall ratings as specified. Choice of panel surfaces.

8. Fully retractable floor seals. No floor track, dragging seals, motors, electrical fixtures, pneumatic or hydraulic operation.

WRITE FOR BULLETIN F-266

HUPP CORPORATION
RICHARDS-WILCOX DIVISION
120 THIRD ST. • AURORA, ILLINOIS 60507

On Readers' Service Card, circle No. 429

On Readers’ Service Card, Circle 224

Another Furniture Brochure

“Memo #7 from Helikon”, a four-page, black-and-white brochure, presents, among other things, serviceable designs, a white oak desk trimmed with walnut, which was designed by Robert Benham Becker. Furniture by the firm and five companies it represents also includes sofas, chairs, and occasional tables. Helikon Furniture Co., 315 East 62nd St., New York, N.Y.

On Readers’ Service Card, Circle 225

Combination Pieces

Fold-out color brochure describes “Kopenhavn” line of free-standing and wall-hung shelf units, designed by Noral Olsen. Available for incorporation into units are desks, bars, tables, chests, and file-drawers. Manufacturer claims unique locking system for easy and permanent assembly. Both groups available in nine finishes; custom finishes upon request. Brochure includes measurements and prices. The Northwest Chair Co., 2201 South Tacoma Way, Tacoma, Wash.

On Readers’ Service Card, Circle 226

Special Equipment

Hinge Binge

Concealed overhead door closers, checking floor hinges and pivots, double action, single action, center-hung and offset-hung hinges; hinges with springs and hinges without springs; many hinges for many types of doors; brass, bronze, zinc, nickel, chrome, and aluminum finishes—some bright, some dull. Data sheets in ring binder illustrate the hinges, tabulate available sizes, and show shop drawings. Bommer Spring Hinge Co., Inc., Landrum, S.C.

On Readers’ Service Card, Circle 227

Keep It Clean

Cloth bag filters and electrostatic precipitators are described in two booklets. Solutions to typical industry air pollution problems are discussed briefly and photos of representative installations are shown. Wheelabrator Corp., 760 So. Byrkit St., Mishawaka, Ind.

On Your Metals

Metal screens and railing systems, as well as bars, shapes, and tubing, are covered in 40-page catalog. Screens: Aluminum and plastic extrusions in two profiles, slip-fit together for making façade or interior modular screens; aluminum or black plastic finish or walnut laminate. Open-work screening is also shown. Railing systems: “Colorail System” has aluminum posts...
NOW...a handy PULLDOWN SHELF

for restroom booths

A safe place for purses, gloves, packages, hats, coats, and briefcases. Attractively designed... quality built... self-clearing. Easily installed with just 2 bolts. A plus-factor in any building with public restroom facilities.

$11.95*

P.O.B. Indianapolis
Finished in luminous chrome

* Slightly higher in the west

Send for free specifications, price list and installation instructions.

The NIK-O-LOK Company
422 East New York Street
Indianapolis 2, Indiana

On Readers' Service Card, circle No. 369

A Fresh New Idea
to Complement Your Designs

If you think asphalt pavement has to be dull, drab and uninteresting... or that it restricts your design capabilities, you will like the new concept offered by Vynatex 23. This is a new vinyl protective coating for blacktop that enhances over-all appearance by providing pavement colors which blend into or contrast with building designs or decorative schemes.

Vynatex 23, in grass green, brick red and concrete gray, offers release from blacktop color limitations. It provides a way for you to improve the decor and tone of almost every project you design.

In addition, Vynatex 23 is remarkably practical. It protects asphalt pavements against premature old age... keeps them free of loose stones... makes them easy to clean.

See our catalog in Sweets. Or write for Bulletin 1828.

Maintenance Inc., Wooster, Ohio

On Readers' Service Card, circle No. 359
sheathed in colored plastic and plastic handrails in various profiles and colors. Railings systems also available in bronze, stainless steel, and aluminum. Catalog lists wide range of fittings and accessories. Julius Blum & Co., Inc., Carlstadt, N.J.

On Readers’ Service Card, Circle 229

**Stamp-Out Drafting**

Rubber stamps provide “Instant Landscape” for architectural draftsmen. Instant trees, shrubs, and buildings, are made in scales from 3” to 1/16”. Stamps are available in both plan and elevation; a selected group of vehicles is made in perspective. Extensive catalog, showing the many available designs, costs $1. Instant Landscape, 520 Capitol Mall, Sacramento, Calif. 95814.

On Readers’ Service Card, Circle 230

**In a Whirlpool**

Booklet gives cutaway construction detail, description, and illustrations of small self-contained, hydro-massage pool available in a package that includes fiberglass shell, heater, pump, filter, and three adjustable air inlets. The 92” x 52” x 38½” tub, with molded steps and bench, is mounted in a steel frame. Jacuzzi Research, Inc., 1440 San Pablo Ave., Berkeley 2, Calif.

On Readers’ Service Card, Circle 231

**FACT:** Documented time-and-motion studies reveal time and money savings of 40% to 50% when VEMCO V-TRACKS replace outmoded T-Squares or parallel straightedges and triangles. If used on a steeply inclined board, both space savings and fatigue reduction are bonus benefits.

RESULT: VEMCO V-TRACK DRAFTING MACHINES CAN PAY FOR THEMSELVES in the first month of use.

**SIMPLE ARITHMETIC:**

Draftsmen’s Rate: per hour $3.00
40% Profit using VEMCO V-TRACK 1.20
8 Hrs. Per Day @ $1.20 9.60
22 Working Day Month @ $9.60 $211.20
Typical List Price VEMCO V-TRACK $169.00

**PROJECTION:** Conservative estimate of useful life span is 20 years . . . each $1.69. Invested in a VEMCO V-TRACK will return $50,688.00. Quantity prices for volume purchases produce still greater savings.

**CONCESSION TO SKEPTICS:** If a mere 10% increase in efficiency could be achieved, they would pay for themselves in three months!! (30 c per hour; $2.40 per day; $52.80 per month; $633.60 per year; $12,672. conservative lifetime).

**CONCLUSION:** Do something about it. (1) Send for a catalog with price list. (2) Arrange for a demonstration. (3) Order a VEMCO V-TRACK. DO IT NOW!!!

**D. A. MATOT, INC.**

1533 W. Altgeld, Chicago, Illinois 60614
312 - 971-2177

See our catalog in Sweet’s Catalog 236

On Readers’ Service Card, circle No. 436

**MATOT LIFT-AID**

NEW RESIDENTIAL AND LIGHT COMMERCIAL DUMBWAITER

saves homeowners:
- carrying heavy loads
- walking upstairs
- risking injury
- wear-tear on stair carpeting
- permits convenient service

New automatic Lift-Aid has been developed by a 77-year manufacturer of dumbwaiters for home and light commercial use. Easy to install in a new or existing dwelling. A complete package, 90% pre-wired with low voltage control circuit. Motor is 1/2 hp, power supply is 115/230 volt, single phase, 60 cycle. To keep the price down, no doors are furnished, hinged door interlocks are provided.

Plywood car for standard kitchen cabinet, 17 x 17 x 30; general purpose car 24 x 24 x 30. The rate of travel is 25 fpm loaded, serves 2 or more levels — maximum travel 30 feet. Capacity is 200 lbs. Car is suspended from steel cables and runs on steel guide rails. Key operated for safety. Write or call for prices and more information!

On Readers’ Service Card, circle No. 430
NEXT MONTH
IN P/A

■ PROGRESSIVE ARCHITECTURE in March
... a provocative discussion of the designer’s impact on religious buildings—How much does he influence religious rites? Professionals with church commissions in their present and future will find this of vital interest.
■ The pages of the March P/A are alive with the vibrant color that has swept through Braniff International Airlines. Next are two startling examples of the psychological effects—good and bad—of interior decoration. And you’ll be interested in a look at the unique architecture of the CBS Ground Floor Restaurant.
■ PROGRESSIVE ARCHITECTURE in March
... it’s yours! Plus eleven more exciting issues when you fill in the “Subscriptions” section on the Readers’ Service Card bound in this issue. (See Table of Contents for page number of Readers’ Service Card.)
Bradley Washfountains save over 25% in washroom space

Then the real savings begin!

On an average, Washfountains require 25% less floor and wall space than lavatories. Result: with Bradley's complete line of types and sizes, you can use any space to best advantage.

But that's just a sample of the savings. Bradleys cost less to install: one set of plumbing connections serves up to 8 people, cutting installation costs as much as 80%. What's more, Washfountains use less water, cut water heating costs, and reduce maintenance time.

Available in compact 2-person Duos, and 36" and 54" diameter circular and semi-circular models. All are foot-operated, so hands touch only clean, tempered water—never soiled faucets. For design flexibility, plus sanitation and savings, specify Bradleys!

For details, see your Bradley representative. And write for latest literature. Bradley Washfountain Co., 9109 Fountain Drive, Menomonee Falls, Wis. 53055.