Johnson Fashions Kennedy Memorial

Dallas, Tex. A stark, silent sepulchral monument, described by its designer, architect Philip Johnson, as an "open, floating room," will commemorate the spot of the late President Kennedy's assassination. Construction will begin March 1 on the roofless, raised structure, which will measure 50'x50'x30'. It will be fashioned with hollow, 30"x30" precast, post-tensioned concrete planks at a cost of about $100,000. The monument of course will have some sort of identification. Just what, Johnson is not sure; he is working on it.

Yamasaki Designs Boston Air Terminal

Boston, Mass. By late 1967, passengers flying Eastern Airlines into or out of Logan International Airport here will pass through this terminal designed by Minoru Yamasaki. In an era when most airline edifices are called jet-age terminals, this one was designed more with passengers in mind than jets—a passenger-age terminal. Yamasaki's design brings the planes as close to the passengers as possible. The longest boarding stroll will be 350' from the sidewalk or passenger elevators. Arriving patrons will drive their cars right into the terminal, parking them on any of three floors of garage space above the terminal area, or on the roof. Baggage will be checked in near the curb and delivered to the plane-boarding areas by conveyor.

At either side of the terminal will be satellite lounges, each with six gate positions, and, if future traffic demands it, a third lounge can be added at the rear, increasing the gate positions to 18. In all, Eastern expects its new facility to be capable of handling more than 6,000,000 passengers per year, three times as many as its present facilities at Logan handle.

Yamasaki calls his design: "American contemporary technological design." He adds that "the big problem was to make it look like a terminal, not just a garage terminal facilities superimposed." Beneath the roof overhang, the three parking floors, which will accommodate 1000 cars, will be hidden behind a slotted curtain wall of sparkling aluminum decorative strips and glass or plastic.

Housing Starts Going up in 1966

New York, N.Y. Despite much talk about a continuing decline of housing starts, the November issue of Housing Trends predicts that 1966 will be a good year for homebuilding. Based on an analysis of household formation, mobility, and the need for replacement of existing units, Housing Trends forecasts 1,600,000 housing starts this year. This total is up slightly from 1965, a volume almost the same as 1964's.

Also foreseen is a 5 per cent increase in the dollar cost of residential additions, alterations, maintenance, and repairs to a total of $13,750,000. This volume, as it has been in recent years, is almost half the total dollar value of new housing construction.

Housing Trends cites a NAHB Economics Department study that shows houses are again getting bigger if not better. In 1965, according to the study, houses will have 12 per cent greater total square foot area than did those put up in 1955. Says Housing Trends, "In practical terms, this increase could reflect the American family's desires for an extra bathroom, a family-size kitchen or a retreat for adults—or just more room."

Cents and Sensibility

New York, N.Y. U.S. Gypsum is spending $1,250,000 in East Harlem. Last July, the 63-year old, $315,000,000 company went into the rehabilitation business: it bought and privately financed the renovation of six tenements on East 102nd Street. One by one, Gypsum, Blitman Construction Company, and architects Mazza and Seccia are rehabilitating the buildings, some of which provided no heat, no closets, minimal toilet facilities, and had been charged with as many as 149 building code violations. The company met with tenants,
I'm a young architect who specifies DURCON® sinks

I'll reach the top because I do good work and insist on the best products. For corrosion resistant laboratory sinks, I use DURCON. It is attractive, light weight, sturdy, low in cost, and will last. When I'm an old architect these sinks will still be in use, and I'll be a wealthy architect because I've done good work and used the best products.
agreed to pay their moving expenses, as well as any difference in rent they might incur in the meantime. As the tenements are finished, the old tenants will move back into them. Things will be a bit different though. Where before the average rent was $28 a month, the rent now will be $78. But this is a hike that all agreed on. Where necessary, rent subsidies from the city's Rent and Rehabilitation Administration will be available.

Last December, the first building, 307-9 E. 102nd St., was completed just in time for Christmas. New kitchens, toilets, floors, walls, ceilings, doors, windows, steps, roof, heat insulation, sound control, light fixtures, garbage chutes, mail boxes and buzzers were in evidence. And on the exterior, a bright new coat of paint graced the old but sturdy and now corniceless tenement—all this in a neighborhood that tended toward dilapidation, for a price less than half that of new construction.

The cost of purchasing the houses and renovating them will amount approximately to $230,000—an investment that should pay Gypsum large dividends. As probably the first private corporation to go into renovation work, the company is hoping to spur others to share in what is projected to be a $4,000,000-a-year market for the construction and building materials industry. The 102nd Street project will also be a testing ground for Gypsum products such as a new fireproof insulation material that is liquid when applied, and radiant heat conductors in the ceiling. When the project has been completed, in 1967, Gypsum hopes to sell the buildings to a nonprofit community corporation. It will also publish its findings so that others may know the ins and outs of renovation.

The renovation work begun by U.S. Gypsum has had a heartening effect on the neighborhood. Already owners of two other buildings on the block have painted their house-fronts and the city is planning a six-story low-rise development to stretch to 101st Street. There is also a change in the atmosphere. The "social club" at the pool hall is still there. But so now are thoughts of trees, girl scouts, and vest pocket parks.

**Waterfront Renewal in Newport**

**NEWPORT, R. I.** During the America Cup races, the Newport waterfront is crowded with yachting buffs, yachts, banners and other nautical trappings. During the Newport Folk Festival, it is loaded with cops and bearded youths. The rest of the time, it is more like a typical urban waterfront area, with piers jutting haphazardly into the bay, slightly dingy shops, and bars filled with sailors. Now at least part of that will change.

On waterfront property off Thames Street, just beneath the Newport village green (Washington Square), the Newport Redevelopment Agency has marked land for renewal. Recently approved was a redevelopment plan drawn up by New York architects Hoberman & Wasserman and presented by the Thames Street Company of which they are a part. Their designs are based on a master plan composed about two-and-a-half years ago by Hoberman & Wasserman working with Candee, Fleisig, Adler & Associates, planning consultants to the Redevelopment Agency of Newport. The Thames Street Company (whose other principals are Corinthian Conservation Co., Inc., and William L. Crow Construction Co.) is trying to raise the $6,000,000 necessary to see their designs through construction.

Planned is a carefully integrated area of shops, offices, residences, and, at one end of the harbor, a ferry now docks, a marina, a motel, a restaurant seating 400, and more stores. Parking will be made available for 839 cars, 523 in a central garage. What is now the straight, unrelieved stretch of Thames Street will be broken as it runs into the graceful curve of a boulevard that dips from the main thoroughfare past the water's edge. Lining this boulevard, looking out over the water, will be 60 apartments and town houses, which will rent for about $50 per room.

Incorporated into the design is a Newport landmark, the Brick Market. It will provide an architectural link with the rest of the town beyond it and, on the renewal side, on an enclosed urban pedestrian plaza more reminiscent of an Italian square than a New England village green. But Hoberman & Wasserman have wisely left the vista past the Brick Market open so that someone standing by the town hall at the head of Washington Square can see through the development past the Chamber of Commerce building (to be tied to the development by a footbridge over the waterfront boulevard) all the way to the waterfront. Despite the seemingly vast open spaces of parking lots, the plan is in keeping and in scale with the rest of Newport across Thames Street.
ed Nations" that will rival the organization based in New York. Only Nefos, of course, would be eligible for membership. Even if the new organization is formed and successful politically, its architectural expression is obviously foredoomed. The entire complex looks a little like an Hawaiian village conceived by the Hilton Hotel chain. Its geometrical forms, if that is what they are, have no cohesion, and, worse than that, no apparent reason for standing next to each other. They look self-conscious, and, in model form, slick, like the jokes of a third-rate comic. Ironically, they look capitalistic, a little like the skyscrapers that are burning with the American capitalist in the painting. Besides the domed assembly hall and the 11-story secretariat building, the complex will have, in its almost 200,000-sq-ft, housing for visiting dignitaries (including bungalows for six chiefs of state) a shopping center, restaurants, a chapel, and a night club. Sukarno, who is personally supervising construction, has thought of everything including how to pay for it. Earmarked for construction costs are 15,000,000 American dollars (the last of our Indonesian foreign aid?); and a recently completed banknote printing plant is busy turning out currency to use in this and other projects that the economy cannot quite support without artificial stimulation.

United Nations East?

Jakarta, Indonesia A painting displayed prominently in Jakarta's new exhibition hall shows Indonesian President Sukarno carrying a globe, marked "Conefos" (for Conference of New Emerging Forces), as he helps Red China's Chou En-lai and the United Arab Republic's Nasser push a fat American capitalist into a bonfire fueled by the skyscrapers of New York. Sukarno's particular brand of nationalism, like that practiced by most megalomaniacs, gives the populace an imagined outside foe to take their minds off more pressing deficiencies. In this case, the foes are the Olefos—the Old Established Forces—and what makes his crusade particularly interesting to architects is that Sukarno is giving it a peculiar architectural twist.

Under construction since last April, the tenth anniversary of the Bandung conference of the Afro-Asian nations, is a complex of buildings that will house the Conference of Emerging Nations next August. Sukarno intends to have the Conference found a "Unit-

Holmdel, N.J. The Garden State Parkway has a firm grasp on culture. And plans are underway to use it the way organ-grinders use monkeys: as a lure. Responding to the come-on presumably will be dollar-clutching motorists who use the Parkway, instead of penny-clutching kids. On a 250-acre track on Telegraph Hill Park just off the Parkway, will be located the Garden State Arts Center, of which the amphitheater shown here will be the focus. Designed by Edward Durell Stone, the theater will seat 10,000, with room for 4800 under the circular, saucer-shaped overhang, the rest sitting on the sloping lawn. Free parking, nature trails, and an art exhibition mall will complete the center. Construction is scheduled to start early this year, with a formal opening of the amphitheater due on Easter, March 26, 1967.

Stone Designs Cultural Amphitheater

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San Juan, Puerto Rico Romantic Old San Juan is pitted with pockets of poverty. One of these, La Perla, an area just outside the city walls to the north, between the wall and the water, contains about 3000 persons living in shacks put together from cardboard and wooden crates. According to Jan Wampler, a young Harvard-trained architect-planner who spent two years working for Boston's Redevelopment Authority and who this month became the head of a newly formed Department of Renewal and Planning in the Com-

Leaving the Pearl Behind Them

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monwealth of Puerto Rico, La Perla is not all bad: “Its location on the water provides an excellent playground for its children. The site, a steep slope above the ocean, is spectacular enough to allow it to be called a romantic slum. The shacks, falling down the hillside in many levels and directions, and that justs out into the bay, is an area called La Puntilla. Here, his department plans a development of low-income and middle-income housing. (The design work was done last year when Wampler was resident architect-designer for the Department of Urban Design and Housing.)

Grouped in inter-connected squares and rectangles around central courtyards, the low-income group will be public housing, 445 dwelling units in all, arranged on a little more than 10 acres. Ground floors will be open land so that tenants can raise pigs or chickens or even keep vegetable gardens. Most of La Perla’s residents who will eventually settle here come from rural areas. Wampler is purposely keeping his structure simple. Essentially, what will be provided is a skeletal structure—rough concrete floor slabs, an overhanging roof, rough concrete partitions between apartments, and basic utilities. Outside walls and interior apartment partitions will be left up to the individual tenants. The typical Puerto Rican home has only one central room: the bedroom; to provide other room arrangements—dining rooms and powder rooms, for instance—seemed superfluous. Instead, tenants will be encouraged to build their own walls and partitions, using the wood, paper, nails, and glass from their shacks in La Perla.

Wampler hopes to give them a more recognizable, and hence, for them, more comfortable surroundings by letting tenants keep something of their former surroundings. He also hopes to help them maintain a sense of dignity and accomplishment by having them do some of the work themselves.

At right angles to the low-income dwellings, which will rent for $15 to $20 per month, is a middle-income structure. These apartments will be condominiums, 400 dwelling units on 3.2 acres. Between low- and middle-income projects will be schools, churches, and community halls shared by both groups.

Between the development and the ocean, which surrounds it on three sides, is public land (the Commonwealth owns all shore land in Puerto Rico) to be developed for recreation.

But despite its seeming isolation on a peninsula, La Puntilla when developed will be an integral part of San Juan. The site is always in view from the old city, and Wampler hopes the design will heighten this visual integration. He explains it this way: “The design of La Puntilla has been thought of as one large structure divided within itself to form the individual apartments. Within the larger structure will be a great variety of shapes and forms. This basic concept is not very different from that of the Old San Juan area, where a regular system of streets was established. Yet even though most lot sizes are the same, individual houses are different and the result is a strong order with a great amount of variety.”

Wampler believes he can build the housing at a cost of $9 per sq ft, including the communal spaces such as corridors and courtyards.

Although the plan has been approved on the local level by the Commonwealth agencies involved, it must still find approval with the HHFA in Washington. Just when it will be presented and how it will be received is not still certain.

A Modern-Day Colosseum for Philadelphia

PHILADELPHIA, PA. The Colosseum in Rome was a truly multi-purpose amphitheater. It was used for gladiatorial combat as well as for bouts between lions and Christians. The Romans even recreated a naval battle there once, anticipating by almost 2000 years Darryl F. Zanuck, who, when he filmed the story of the D-Day invasion in The Longest Day, was dubbed by Time magazine the world’s third-largest military power. Today’s stadia are rarely called on to be so versatile, but they must accommodate more spectators.

Planned for Philadelphia is this baseball-football stadium, which will seat 60,000 for baseball and slightly more than 70,000 for football (the Colosseum held an estimated 50,000). A bond issue in 1964 raised $25,000,000 for its construction.

The Colosseum's purpose was to entertain, while today's stadia are designed to accommodate a variety of sports and events.
Outside the stadium, flanking the main entrance, are two ramp towers, with two more stations at the stadium's left- and right-field corners. Vast parking lots, which can hold 10,000 cars, 300 buses, and 150 taxicabs, surround the stadium on three sides; when filled, they will probably give the stadium the look of a great, boxlike ship floating on a sea of cars. Eventually, the Philadelphia Transit Company will have a subway stop 400’ from the entrance.

The stadium will in addition house offices and players' facilities for both the Philadelphia Phillies and the Philadelphia football team, the Eagles.

is needed both to make the building stand out and to tie it visually to the rest of the campus. For another thing, the faculty offices and conference rooms, which the tower houses, become more private if they are arranged on separate floors.

The WBT & L plan shows eight offices and a conference room on each of nine floors. Finally, although the tower is relatively small, only 60’ x 60’, with a total interior area of 43,000 sq ft, it would take up a good deal more ground if spread out on only two or three levels, and Princeton is determined to guard jealously what relatively few open areas are left on the campus. In an open letter to the Princeton community last October, President Robert F. Goheen put it this way: "The dilemma for the University is clear: pressures to grow, pressures to retain a parklike campus, including playing fields readily accessible to the community and much used by many of the local residents and their children. It is impractical to resolve the dilemma by burrowing underground—or, at least, by trying to burrow very far. (The University will be going underground for several floors of the Math-Physics complex, just as it did for the Firestone Library.) The answer is that we have to go up.''

Arranged in a three-story L-shaped wing beneath the math tower are classrooms, a cafeteria, and, at the foot of the L, a 250-seat lecture hall that will be shared by students and faculty of the new physics building across the courtyard. Beneath this connecting courtyard is a library, also shared by both groups. Hugh Stubbins & Associates have designed the physics building, and WBT & L have worked with them trying to keep the buildings harmonious. They relate better to each other, as they should, than to their nearest neighbor, Peyton Hall, the building now under construction for the Astrophysical Sciences, designed by Minoru Yamasaki.

Elsewhere on the campus, just south of the golf course, 600 units of married graduate student housing are planned, designed by Fischer, Nes, Campbell & Associates. This group will also have a 13-story building. Both the mathematics building tower and the married student housing tower are on low ground, so that, when seen from below, they will appear lower than several structures on the main area of the campus.

### Going Up at Princeton

**PRINCETON, N.J.** Colleges in small college towns naturally have an overwhelming effect on the community. Princeton, New Jersey (with a population of 11,890 in 1960), is in many ways typical. When plans were announced for the new mathematics building, part of which is dedicated to the community and much used by many of the local residents and their children. It is impractical to resolve the dilemma by burrowing underground—or, at least, by trying to burrow very far. (The University will be going underground for several floors of the Math-Physics complex, just as it did for the Firestone Library.) The answer is that we have to go up.''

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### Novum Edificium

**CHICAGO, ILL.** For more than 50 years, the upper school of The Latin School of Chicago (grades 7 through 12) has occupied the site at North Stone Street between East Scott and East Division. Now plans are afoot to raze the complex of buildings there and replace them with a single more commodious structure. Designed by Harry Weese, the new building, which will get underway in the spring, will have 22 classrooms, 9 more than are presently available. On the first floor will be a manual arts shop, school store, and the

### Physical Education Department. If sufficient funds can be raised, there may be a swimming pool. There will be a botanical laboratory on the roof. Also on the roof will be a 10,000-sq-ft area, enclosed by a translucent plastic dome. According to William H. Fetr

ridge, president of the Latin School's Board of Trustees, "This innovation can be the answer for schools in the inner city which have insufficient land for outdoor playing fields." In addition to the usual classrooms and laboratories, the building will have a faculty

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*January 1966*
research center, a student publications center and darkroom, an audio-visual unit, and art studios. Completion is expected in time for the fall term in 1968. Just what will be done for classrooms in the meantime is still under discussion.

**P/A's Parent Company Consolidates**

**NEW YORK, N.Y.** The Reinhold Publishing Corporation, which publishes PROGRESSIVE ARCHITECTURE, will consolidate with Medical Economics, Inc., of Oradell, New Jersey, publisher of medical magazines and books, subject to the approval of the stockholders. Both companies will operate as wholly owned subsidiaries of a new parent corporation: Chapman-Reinhold, Inc. It is expected that the new corporation will have an annual sales volume of more than $20,000,000 and that the consolidation will broaden and deepen the editorial, marketing, and information services available to readers of and advertisers in the companies' publications. As part of the reorganization, P/A's publisher, Philip H. Hubbard, Jr., has been made a vice-president of Reinhold; he will also sit on the board of directors of Chapman-Reinhold, Inc.

**How Does Your Garden Grow?**

**VIENNA, AUSTRIA.** Mary may have been contrary, but she never let her garden grow in a 130'-high cylindrical greenhouse. If she did, Othmar Ruthner, who has built 11 of these tower-greenhouses in West Germany and Austria, might point out that she could have raised a lot more than just silver bells and cockel shells. One gardener can handle the work in each greenhouse. Arranged on vertical conveyor belts, plants are raised and lowered to receive water, fertilizer, insect spray, and weeding. The tower's façade of translucent polyester is said to concentrate available light, even when the sun is low in the sky. And at night, the structure gives off a neon glow.

Ruthner, head of a firm that puts up acid-pickling towers for steel mills, branched out into greenhouse towers two years ago. He now has orders for similar towers in Norway, Switzerland, and Canada. Although they are expensive to put up, more expensive than a conventional greenhouse, 50 per cent of the available space can be used for plants, five times as much as in a conventional structure.

He sees his towers, in modified form, being used aboard nuclear submarines, in outer space, or in rigorous climates here on earth. With its controlled climate, a tower greenhouse, or a bevy of them, could produce an almost continuous vegetable harvest.

**Penn's Institute for Environmental Studies**

**PHILADELPHIA, PA.** The University of Pennsylvania's newly opened Institute for Environmental Studies is concerned with the nature and control of man's environment. Formed as an amalgam of the school's Institute for Urban Studies and its Institute for Architectural Research, the emphasis of its research is architectural, but it is also more than that. Within the Institute, researchers are now, or soon will be, at work on such problems as urban social policy planning, natural sciences in regional planning, civic design, and urban studies. Dr. Gerald A. P. Carrothers, professor and former chairman of city planning at Penn, who heads the new Institute, says that its work will not compete with that of architects, landscape architects, planners, or with private industry. At the same time, he hopes that it will provide a working center for integration of various disciplines. "I see the creation of the Institute for Environmental Studies as another step forward in breaking down traditional boundaries between various scholarly and professional concerns with environment." Dr. Carrothers said recently. "Research on man's environment and its control can no longer be carried on effectively along traditional academic departmental lines. The necessity for integration and coordination of activity was a primary purpose underlying the Institute's establishment." Working at the Institute this fall are Dr. Haim Darin-Drabkin, research director for Israel's Ministry of Housing, and Piero Maria Lugli, professor of architecture at the University of Rome.

**Multifaceted Medical Center**

**CHICAGO, ILL.** A medical center project in which the architects were told "to discard the sterility of appearance commonly associated with hospitals and to provide a spacious, comfortable, pleasant environment for both patients and staff." has not been entirely successful. Although the Olivia "Peg" Baustch Memorial Medical Center's two interior sunken garden courts give the first floor interior momentary relief from the sterile functionalism a hospital must have, the exterior does not really escape an institutional look. Nor is the look particularly warm or inviting. Architects Burgess, Stevens & Associates have avoided a crisp angularity, and have achieved a pleasing juxtaposition of curving wings with a sawtooth pattern of second-floor fenestration. But the effect is defeated in front, where the entrance is made uninviting by a lowering overhang supported by two spindly round pillars. And though the sawtooth fenestration may be a pleasing shape, it only accents the interior cell-like arrangement. The dark blue pearl granite of the overhang's façade reiterates the blue gray brick of the rectangular windowless façade of the second-floor area in the rear, yet it merely darkens the overhang's...
beating brow. Perhaps the use of white quartz aggregate precast concrete on the first-floor wings and around the second-story fenestration also heightens the concrete on the first-floor wings and around the second-story fenestration also heightens the institutional look.

No Matter How You Play, It's Still Trivia

Trivia, a game any number can play, is perhaps more symbolic of a desire to escape into the past than it is of the new leisure. As a player, you have 10 seconds to provide answers to such esoteric questions as, “What was the name of Dale Evans’ horse?” (Buttermilk). Or, “What was Betty Boop’s real name?” (Helen Kane).

In the editorial offices of P/A, Trivia has taken a predictably architectural turn. When asked to name five movies whose main characters were architects, and supply the names of the actors who played them, P/A’s editors came up with seven. Here they are: *Strangers When We Meet*, Kirk Douglas; *The Agony and the Ecstasy*, Charlton Heston as Michelangelo; *The Moon Is Blue*, Barry Nelson; *The Fountainhead*, Gary Cooper; *Claudia and David*, Robert Young; *L’Avventura*, Marcello Mastroianni; *The Girl in the Red Velvet Swing*, Ray Milland as Stanford White. Can you think of others?

Obituaries

The Office of RINO LEVI in São Paulo, Brazil, has informed us of the architect’s recent death.

PERSONALITIES

Ada Louise Huxtable, architectural critic of *The New York Times*, won the Newspaper Women’s Club Front Page Award for her feature article, “Staten Island’s Beauty Losing to Builders”. . . Alan Burnham will succeed James Grote Van Derpool as executive director of New York City’s Landmarks Preservation Society. Van Derpool, formerly associate dean at Columbia’s School of Architecture, has been executive director since the establishment of the commission in 1962. Burnham was formerly with the New York firm of Shanley & Sturgis, and joined the commission last September. . . . The American Institute of Steel Construction has announced its new officers: J. Philip Murphy, president of Murphy Pacific Corporation, president, and Eugene J. Piggeon, vice-president of Piggeon–Thomas Iron Company, as vice-president. . . . Dr. Ira Miles Robinson, past project director for the San Francisco Community Renewal Program, will head the University of Southern California’s Graduate Program in City and Regional Planning. . . . Ruth McAneny Loud has become the first lady to fill the chair of president at the New York Municipal Society. She is the director of the Development Office of the Museum of the City of New York and the author of “New York! New York!” August Heckscher, director of the Twentieth Century Fund and a member of the society’s board, will succeed Loud as vice-president.

. . . Joseph A. Gascoigne has been named executive director of the Construction Specifications Institute. He is presently the executive director of the Air Traffic Control Association in Washington, D.C. . . . Porcelain Enamel Institute has named Robert F. Hastings, president of the Detroit architectural and engineering firm of Smith, Hinchman & Grylls, and Frank Montana, partner in the South Bend (Indiana) firm of Montana & Schultz and head of Notre Dame’s Department of Architecture, to the Institute’s Architects Advisory Council. The new members will replace Morris Ketchum, Jr., and Philip Will, Jr., and will serve along with remaining members Harris Armstrong and Ralph E. Myers.

. . . Past AIA president John Noble Richards has been elected — by a 2-to-1 margin — mayor of Ottawa Hills, a residential community west of Toledo, Ohio.

The Eucalyptus by the Highway

SACRAMENTO, CALIF. The State of California has contracted to spend $429,796.45 to beautify a little under 6 miles of the San Diego Freeway. This comes out to $70,000 per mile of road beautified, and means that, with the $6,000,000 California planned to spend last year on road beautification, it could improve only some 80 miles of highway. Still, it is a praiseworthy start. Just what is beautification? For the San Diego Freeway, it means the planting of 18,000 shrubs, 4000 trees, and nearly 1,500,000 ivy and ice plants.

California limits funds that can be made available for landscaping by law. And in the last session of the legislature, the amount was raised by about 50 per cent. In 1966, the highway beautification budget for the state is expected to be $10,000,000.

Recently announced was the appointment of a three-man committee to coordinate the highway division’s beautification efforts.

Out of Sight But Not Out of Mind

CONWAY, ARK. With about 600 students, Hendrix College has little to distinguish it in an era when education has distinctly gone Big Time. But it will soon have at least one distinguishing feature: an underground library. Although several universities have buried or are planning to bury parts of libraries —the University of Illinois, Yale, and Princeton are examples—Hendrix is believed the first college to plan on putting its entire library below ground. A $20,000 grant from the Educational Facilities Laboratories will help with the project, which must solve problems of access and ventilation. It is hoped the experience at Hendrix can produce guidelines for other institutions with similar needs.

In drawing up plans for the library, architect Philip John-
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When rooms. The individual manor houses follow the topography as closely as possible. They will be placed in archlike groupings.

Working drawings and construction supervision will be provided by Wittenberg, Delony & Davidson, Inc.

next to each other and in three tiers, one above the other. Although the manor houses are grouped in three tiers, with the roof of one serving as a garden of the one above, these roofs have wide overhangs so that the house and garden beneath are not visible from above.

Inspiration for the project stemmed from the realization that even the very rich today cannot afford to live in and maintain the gracious estates of their own home and shares ownership of the grounds. Swimming pool, tennis courts, a footpath system and bridle paths will be all jointly maintained. Each house will sell for $125,000 or more. It remains to be seen whether persons who can afford to pay that much for a house would not prefer to spend the same money for a privacy that the cluster arrangement can only approximate.

Provident Providence

Providence, R.I. This 13-story, 192-unit, concrete and aluminum apartment building designed by Curtis & Davis is the first planned for the 20,000,000 Weybosset Hill residential and commercial development in downtown Providence. Spon-
WHO SAID

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to create a new office with complete environment control!

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January 1966
sored by The Reynolds Metals Development Corporation and Gilbane Building Company, the total project will include this large apartment structure (to be finished in early 1967), several smaller apartment build-ings, 80 town houses, two office buildings, a service station, and a 250-unit motel. When fin-
ished, it will be possible for a man to work, live, gas up, and bed down in-laws on the same
13-acre plot of land.

Just One of Those Things

LOS ANGELES, CALIF. What would you say would be a fit-ng testimonial to the late Cole Porter: a sophisticated musical theater in his adopted home town of New York; a chic restaurant on the Place Vendome; a sleek block of flats in Mayfair; a posh ma-
rina at the Lido in Venice; an exclusive hostelry at Juan les Pine; or an auditorium behind a high-rise rental office build­ing in West Los Angeles, California? The whirring sound you hear from the direction of the great man's place of inter-
ment announces that it is the last-named edifice.

A group called—believe it or not—Coleporter Corporation, which will put on plays in the auditorium, is pushing the Welton Becket design shown here. In front, on Santa Monica Boulevard, next door to the existing Welton Becket home office building, will be a ground-floor bank beneath the office rental floors, and, in place of a porte cochere, a vomitory to underground park-
ing. The Cole Porter Theater (or is it Coleporter theater?) will be at the rear on Century Park East (this is all in Cen-
tury City). It's all a very neat and glossy concept, bringing to mind Hollywood's translations of Porter's musical comedies—they always got the surface slickness and missed the point completely. One can imagine the sardonic com-
ments with which Porter would have greeted this tribute.

Monuments for MIT

CAMBRIDGE, MASS. Professor of Architecture Eduardo Catal-
ano has been a presence on the MIT campus for the past three years—teaching and.building. The first two of three buildings he designed in associ-
ation with Robert C. Brannen and Paul Shimamoto for the $50,000,000 construction pro-
gram at MIT are now up. The Julius Adams Stratton Building and the Grover M. Hermann
Building both use a top-heavy concrete-over-glass technique. This massiveness Catalano be-
lieves is symbolic of the time we live in—a time of man's de-
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New York Landmarks Threatened

NEW YORK, N.Y. The passage in New York last winter of a landmarks preservation bill stirred a host of rapid real estate transactions. Many owners of valuable historic or architecturally significant buildings, realizing these structures might be designated as landmarks under the bill's provisions and thus protected (at least on their exteriors) from change, tried to sell to commercial developers.

In late September, the Landmarks Commission held public hearings on 28 buildings it thought most immediately threatened. Among these is the Metropolitan Opera House, recently sold to a developer who hopes to put up in its place a multistory office building. The Met's fate is especially precarious. For one thing, Anthony A. Bliss, president of the Metropolitan Opera Company, has argued compellingly that the Met be allowed to sell its old structure to help pay off the debt of the new one in Lincoln Center for the Performing Arts. For another thing, the old Met, designed in 1883 by J. C. Cady, has little exterior distinction. Ground-floor spaces have become small, leased variety shops, complete with anonymous 20th-Century storefronts. Its grandeur, much like that of a pleasant but homely girl, lies on the inside. Unfortunately, the landmarks law does not officially recognize the significance of architectural interiors.

Another seriously threatened landmark is the Morgan house, at 37th Street and Madison Avenue in the heart of Manhattan's Murray Hill district. Built in 1853 for Isaac Newton Murray, Sr., in 1906, and finally purchased from the Morgan family by the Lutheran Church in 1944 for $250,000. Although the architect is unknown, the house was built in an Anglo-Italian style and has since undergone Edwardian alterations. It is the last remaining mansion of its type standing on its own land in Manhattan.

Perhaps its greatest architectural significance is the homogeneity it brings to the neighborhood. Located between the Morgan Library to the south—designed by McKim, Mead & White between 1900 and 1906 to hold Morgan's library collection, which filled the basement of his house until, in the words of Morgan's nephew, "it became so crowded that it was difficult to get into it"—and the National Democratic Club, across 37th Street to the north (designed by C.P.H. Gilbert in the French Renaissance Eclectic style in 1905), the Morgan mansion is an integral part of the blockfront. To put up an 11-story office building in its place, as the Lutheran Church proposes, would destroy the collective harmony of the block and detract from the individual distinction of the other two buildings.

On December 2, the Landmarks Commission designated the Morgan house a landmark. According to the law, any change in its exterior will have to be approved by the Landmarks Commission. And it is hoped that the Lutheran Church will accept the offer of Edward R. Bernard, secretary of the Murray Hill Community, Inc., who guaranteed to find the church rental office space.

Also, on December 2, some 50 blocks of Brooklyn Heights were named the city's first "historic district." The area contains about 1000 residential structures, many dating back to the 19th Century.

St. John and the Dragons

NEW YORK, N.Y. When John V. Lindsay was elected mayor of New York City, many people responded as if they had been found by a Moses who would lead them out of the wilderness. Now that he has taken office (on January 1), he has 4 years, not the 40 Moses took, to find some answers to his people's pressing problems. Not the least of these problems is architectural.

In December, Lindsay and his recently appointed Parks Commissioner, Thomas P. F. Hoving, 34, met with A & P heir Huntington Hartford to discuss Hartford's gift of $862,000 to the city. It is earmarked for construction of a highly controversial, highly questionable Hartford Pavilion in Central Park (see p. 51-52, June 1965 P/A), a building both Hoving (who was formerly curator of the Cloisters, the medieval branch of the Metropolitan Museum of Art) and Lindsay have said flatly they oppose. Still, in December, they met with Hartford to discuss the use of his funds, on deposit with the city since 1960. Hoving and Lindsay want the money used for pocket parks throughout the city and said so. Hartford, who still relishes the idea of a sidewalk café, offered to modify the design, making it a one-story structure that would not jut above the park at its southwest corner location opposite the Plaza Hotel. The roof could be a restaurant area, suggested Hartford, who evidently does not see that the objection is to having a structure like that in the park at all, no matter what its size. Lindsay and Hoving were not excited by the proposal but offered to think it over. It was an inauspicious start.

During the election campaign, Lindsay spent an evening before the New York Chapter of the AIA answering architectural questions. Parts of his general statement are repeated here both as a reminder of what was said in the heat of battle and for whatever
In declaring the North Carolina Mutual Life Building first place winner in the 1965 Awards Program of the Prestressed Concrete Institute, the judging committee described it as an “ingenious and imaginative design.” Its crisp lines present a new achievement in multi-story office design and construction—and the precise repetition of rectangular shapes produces dramatic effects of light and shadow. The structure is another inspiring example of the growing potential of prestressed concrete.

Each of the four identical facades of the 14-story office structure is formed of massive two-story prestressed concrete trusses, assembled in place from precast components and cantilevered from two intermediate columns. There are no interior columns to interfere with office planning. Floors consist of precast, prestressed double-T beams with cast-in-place topping. The beams alternate span direction at every floor, so that each two-story truss actually supports only one floor load.

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Below left: Precast top and bottom chords, alternating with vertical members, are threaded into place on the stressing rods. Below right: A temporary monorail conveyor receives the precast units from a crane at a corner of the building, then moves them into position in the truss. Using two monorail systems, the contractor erected two complete floors of four trusses every three weeks.

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meaning it might have to other U. S. urban centers:

"My words here tonight are a pledge to make government go beyond mere quantitative considerations and place meaningful emphasis on quality. The City Administration has greatly underestimated the concern of our citizens for the quality of life, that it does not seek the best talent, that it prefers to act fira and submit to the public second, that it does not seek the best talent, that in many areas there is no policy at all. This has been the City's most serious shortcomings, but whatever may be said against policies, but no man can ignore the shocking absence of leadership which characterized the planning and construction processes in this City. The indictment is long."

"In the housing field the City has settled on the stereotyped design of the most depressing sort. This need not be the case. One need only consider programs in London, Stockholm, Philadelphia, San Francisco, and countless other cities to realize that New York has been guilty in its concern for the quality of shelter. It is not the cost per square foot; it is the underlying attitudes and assumptions about the way people live that is at fault. Public housing should not be a reminder of how grim life is, but rather how much progress has been made and how much it can still be. Our public housing will never respond to the richness and variety of life until we rid ourselves of obsolete notions about how people should live and replace them with realizations of how they do live." If we are to make our public housing projects into neighborhoods, we must allow for spontaneity; we must include within their borders, shops, markets, and recreational facilities geared to the specific needs and desires of the residents. We must make sure that there is no "dormitory stockade" segregated from the rest of the City and separated from all the nonresidential activity so necessary for active neighborhood life. We must stop considering housing as separate from the over-all city planning process. We must think no more in terms of housing projects, and begin to think once again about neighborhoods."

**Looks Good, Works Well**

NEW YORK, N.Y. The Wall Street Journal has spotted a verity—the architects have long preached—that attractively designed factories are increasing in demand by corporate clients. A December 1 front-page article, "A Thing of Beauty... Handsome Factories Yield Unexpected Joys," declared that "more and more companies now are considering aesthetics along with utility when they build plants. The results are surprising." One of the indications of this trend, says the Journal, is Factory magazine's annual contest to pick the nation's 10 top plants on the basis of beauty and efficiency, which this year had 1500 entries, up from 940 in 1960. Interviews with factory managers and employees disclosed to the Journal that, in pleasant surroundings, "labor productivity is above average, absenteeism is down, and workers with hard-to-find skills are more easily recruited." While it is regrettable that the news is reaching the Journal and its readers so late, it is encouraging that it has reached them.

The concern with aesthetics is not, of course, due to increasing affluence; it is the result of clients discovering that good architecture costs no more than bad.

**Live and Learn**

NEW YORK, N.Y. Looking even more handsome than they did in model form (see p. 93, OCTOBER 1964 P/A), the three 30-story apartment towers designed by L.M. Pei & Associates for New York University were topped out in early December. Occupancy is expected by the fall of 1966. Although the buildings form a carefully related unit, two of them are being developed by the Dormitory Authority of the State of New York for NYU faculty, staff members, and students, and the third is a cooperative apartment for the public, developed under the New York City Housing and Redevelopment Board, with NYU as sponsor. The façade of each building is of exposed reinforced concrete, cast in place. Cost of the project, which will provide 535 apartments, is estimated at $12,000,000.

**"Bruce Cleanboard, Boy Architect"**

TV series, like buildings, are often produced to formula. One of the most successful series has been the kind where a young, fiercely idealistic professional man upholds ideals, revives jaded spirits, and breaks an occasional heart. He is ably and wisely assisted by an older, well seasoned mentor. It has worked well for Drs. Casey and Kildare and for schoolteacher Mr. Novak. Why couldn't it work for an architect? In hopes someone wants to try, here are some suggested problem plots, coupled with a list of the chief characters and the actors who should play them. Plots: Architect contracts to design a suburban home. Housewife decides to be co-designer. . . Or, architect is hired to design a suburban home. It turns out he is to work closely with an interior designer. . . Architect gets a commission for a major office building from a prestigious corporation. The chairman of the board is a woman. . . Architect is selected to serve on city planning commission with a corrupt politician, who wants to know how much can we make out of a change in the building code? . . . In an attempt to express mechanical equipment as a design element, architect inadvertently integrates the plumbing stack and the air distribution system.

**Awards**

Houston architectural firms Golemon & Rolfe and Pierce & Pierce, have received the Texas Society of Architects annual award for "excellence of design" for their FAA Control Center at Houston's Intercontinental Airport. . . . Temple Shalom, Norwalk, Connecticut, designed by Oppenheimer, Brady & Lehrecke, New York architects, has received the ABCD (Association for Better Community Design) award for being the best designed building constructed in Norwalk in 1965. . . . The American Association of Nurseriesmen has awarded prizes to the winners of the nationwide Industrial and Institutional Landscape and Beautification competition. National "Plant America" awards went to Ampex Corporation, Redwood City, Calif., by John Carl Warnecke & Associates; Carrousel Towers, Inc., Cincinnati, Ohio, by Thornton Landscaping; Landmark Motor Lodge, Winter Haven, Fla., by Holmes Nurseries; Michigan Bell Telephone Co., Southfield, Mich., by Elchberger Miller & Associates; The Procter & Gamble Co., Winton Hill Technical Center, Cincinnati, Ohio, by Richard E. Grant; Bayfront Center, St. Petersburg, Fla., by Harlow C. Landphair; Civil Service Commission Building of Washington, D. C., by Sa...
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Crawford's Model No. 766 Industrial Door is ideal for many installations because it is thrifty to buy, practical and durable in use, light enough for manual operation even in the larger sizes and accepts all automatic accessories. It's available in any size up to 25 ft. x 16 ft. Being flush both sides it combines perfectly with all styles of architecture and is the easiest of all doors to maintain because it is so easy to paint.

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After assembly, the unitized section is a sealed "sandwich" containing thousands of dead-air cells which provide excellent insulation, valuable in many applications. These cylinder-like cells (one of the strongest structural forms known), securely anchored at their ends to the “skins”, provide such rigidity that the door withstands wind pressure of 20 lbs. per sq. ft. and has great resistance to impact and deflection.

VERSATILITY

Model No. 766 can be used in any combination of glass sections and is priced to fit comfortably into the average budget. For prices and other information call your local Crawford Distributor, listed in the Yellow Pages under DOORS, or write for Bulletin CD-3658.

Competition

The Department of Defense has authorized a national competition for the design of a fallout shelter. The contest, conducted for the government by the AIA, will offer a $15,000 first prize. Copies of the program and registration forms can be obtained by writing A. Stanley McGaughan, Professional Advisor, National Fallout Shelter Design Competition, 1341 New Hampshire Ave., NW, Washington, D. C. 20036. The National AIA has announced the Owens Corning Fiberglas Decorative and Home Furnishings Division contest for the design of an experimental elementary school. Entries must be executed in any consecutive five weeks prior to May 1, 1966, and mailed to meet the deadline of May 20. The contest is open to all fourth- or fifth-year design students and to others who are under 30 years of age. For further details and information, write NIAE, 115 East 40th Street, N.Y. 16, N.Y.

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January 1966

P/A News Report 65
Most significant item for architects and others who must do business with the new Department of Housing and Urban development is not what it can do right now, but what it may do in the future. As of this moment, according to terms of the law creating it (PL 89-174), the new HUD can’t do much of anything. Like “Brand X.” it just is. The law, and the record in Congress during debate and committee hearings, makes that very clear: HUD’s new Secretary will have clearance to do only one specific thing—coordinate and consolidate the programs formerly administered by the Housing and Home Finance Agency. (These include the Housing and Home Finance Agency, the Federal Housing Administration, the Public Housing Administration, and the Federal National Mortgage Association.) Even in that, the department’s authority is limited. For instance, the head of the Federal Housing Administration must be an Assistant Secretary.

Otherwise, the new Secretary is directed to “advise” the President on Federal programs; “develop and recommend” policies; “foster the orderly growth” of urban areas; provide technical assistance (including an information clearing house) to aid state and local governments; “encourage” comprehensive planning by local governments; conduct studies of housing and urban problems. Specifically, Congress was assured that the new HUD hasn’t any new authority and may not usurp functions of other Federal agencies already in the field.

But it isn’t hard to read what is likely to happen now: As a matter of fact, the HUD will have control of less than a third of the Federal Government’s activities in housing alone (the Veterans Administration and the Federal Home Loan Bank Board are not affected by the legislation, and they account for almost two-thirds of all U.S. housing financing activities). More than 40 other separate programs, administered by nearly as many other Government agencies, already exist and will continue. These include road-building, pollution control, new beautification and recreational programs, disbursement and control of vocational educational funds, disposal of surplus Federal properties, experimentation in urban transportation. All would seem to impinge on the appropriate functions of the new Department.

But history would indicate that this situation won’t remain as is for long. For one thing, the “declaration of purpose” that precedes the law states that HUD should “provide, at the national level, for full and appropriate consideration . . . of the needs and interests of the nation’s communities and the people who live and work in them.”

That, say opponents, is license for the eventual conversion of HUD into a true “Department for Urban Affairs,” in which insuring mortgages would become incidental to a broad take-over of functions from many other agencies, as well as from state and local governments. This could be done, observers believe, by means of later Presidential reorganization plans to widen the powers of the New Department.

Among other things, many fear the almost axiomatic growth in personnel of any new department. Lately the construction of a Health-Education-Welfare, which had 36,613 employees when it came into being in 1953, had grown to 83,928 as of March 1965.

For the moment, then, creation of HUD makes little difference to anyone doing business with agencies of the old Department. How fast the Administration and Congress move to beef up the powers of the new Department—and what direction such moves may take—will tell the real story.

Congressional Outlook

Unless all the signs are misleading, the reconvened Congress will have a much different outlook from the one in session last year.

The reasons are political: Since this is an election year, with President Johnson himself not a candidate, Congressmen up for re-election will have no coattails to ride on. This is bound to produce a cautionary atmosphere in the 45 or more House members facing their first reelection battles, many of them in districts that normally don’t send men of their political beliefs to Washington.

By the same token, many Congressmen are as much frightened by the implications of the spending they authorized last session—in many cases without bothering to find any new sources of revenue.

As you know, the President’s budget has topped $100,000,000,000 for the first time; but that’s not nearly the true total. According to the Library of Congress research staff, Federal spending in the coming fiscal year cannot be less than a staggering $120,000,000,000 (when spending from trust and revolving funds, interest, and the like has been added in). The important question that Congress will have to find new revenue sources—something never popular with an election coming up.

AIA Headquarters Reconsidered

Heavily battered by the same sort of outcry that seems to arise any time any old building is to be refurbished, removed, or built around in Washington, the AIA is having some painful second thoughts about its Washington headquarters.

Dominating the present location is the historic Octagon House, once used as a temporary residence for a President (Madison) and scene of some historic doings in the early 1800’s. The AIA rescued the building many years ago (it had become a run-down rooming house), restored it, and maintained it as a museum, surrounded by low buildings housing AIA offices.

As most architects know, the office space proved inadequate. The AIA held a competition and selected a winning design (by Mitchell/Giurgola Associates; see p. 39, January 1965 P/A), which is dominated by a semicircular glass wall focusing on the old Octagon. That brought a storm of protest from various local “preservation” groups, as well as Interior Secretary Stewart Udall (who thought the design “unfortunate”) and others.

As a result, the AIA dusted off the original feasibility study done by Mitchell/Giurgola Associates, and decided they would try to enlarge the site of the new building. If approved by the AIA membership at the June convention in Denver, the AIA will purchase the Lemon Building next door to the Octagon. The additional 12,000-sq-ft site will be added to the 28,000 sq ft they already have, and Mitchell/Giurgola will be asked to redesign their award-winning entry, providing a 130,000-sq-ft building, almost doubling the size of their original plans. The AIA figures that, with its expanding membership (almost 500 new members are picked up each year), they will need the space.

Financial

Biggest financial fact for the construction industry was the continuing optimism prediction for a booming dollar-volume of business for the current year. Latest came from the huge Associated General Contractors, Inc., which surveyed its members, came up with a prediction for $72,000,000,000 a year. With another $24,000,000,000 estimated for maintenance and repair work, AGC thought total business would thus approach the $100,000,000,000 mark—a full sixth of the annual Gross National Product.

Construction Still Rising

Construction put in place during October 1965 continued to run a little ahead of that a year ago. Total value, according to the Commerce Department, was $6,400,000,000 this year, up about 5 per cent over a year ago. Housing, however, continued its steady two-year trend. In October, annual rate was 1,402,000 units—down 8 per cent from a year ago.

Construction costs stayed high during October. The Bureau of Public Roads’ quarterly index of costs showed a very slight decline of 0.2 per cent—below the all-time high registered in the second quarter (106.9), but still well above the previous all-time high. The Public Health Service’s sewage plant and sewer cost index climbed again, by fractions of a point, to a high of 112.82.
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Radiant heating panels with a printed circuit element bonded in plastic and backed by 3/4" layer of insulation can be installed flush with standard acoustic ceiling panels. Manufacturer claims heating panels reduce maintenance, operating, and installation costs. The units, which use tin-coated steel foil for the printed element, are said to operate especially well in areas of great heat loss. Litecontrol Corp., Watertown, Mass.

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Electrical Equipment

Undercover Outlet

Plastic cup for outdoor electrical outlets is self-hinged and sealed with a rubber gasket. It protects against dust, rain, snow, and salt air. General Electric Co., Wiring Device Dept., 95 Hathaway St., Providence, R. I. 02907.

For lighting up the art world (paintings, statues, etc.), small bullet lamps plug into an electrified ceiling track. The white lamps, each equipped with an on-off switch, can be positioned anywhere along 4'-or 8'-long aluminum tracks. Halo Lighting, Inc., 9301 W. Bryn Mawr Ave., Des Plaines, Ill. 60018.

Plastic Outlet Box

Glass - fiber - reinforced - plastic box for electrical toggle switches insulates electrical connections and will not burn, claims the manufacturer. Standard wall plates fit the switch box. Allied Molded Products, Bryan, Ohio.

Faucet-Light

This combination fitting provides light directly over a kitchen sink and can be installed on a standard sink with three 1/2" holes on 4" centers. The light has a frosted lens and is completely assembled and wired; the faucet features a built-in spray-spur. Elka Manufacturing Co., 2700 S. 11th Ave., Broadview, Ill. 60155.

Finishes/Protectors

Stains of Many Colors

A total of 1400 "rustic stains" in solid and semitransparent colors should provide just about any hue desired for interior or exterior wood surfaces. Drying to a matte finish, the stains are claimed to be quality controlled for color consistency. Available in the Western states. Paco Paint Div., Fibreboard Paper Products Corp., 475 Brannan St., San Francisco, Calif.

For lighting up the arts...
Knoll's engineering research has led to long-awaited advances in wood-working processes that now yield a pleasant all-purpose chair named for its designer, Don Petitt. The frame is constructed of thin flat strips of walnut laminated together (bonded with high frequency) and molded in sinuous curves. The new process permits tighter, stronger curves. Rolatape Corp., P. O. Box 1190, Santa Monica, Calif.

"Acu-Arc," a flexible plastic French curve, can be shaped to fit any curve needed. Segmented construction allows smooth arcing. Rolatape Corp., P. O. Box 1190, Santa Monica, Calif.

Among several straight-forward seating designs primarily for institutional use is a sofa-bed that would give character to a girl's dormitory. Of rugged ash, it comes in two lengths—80" or 76"—both 33" deep and 27" high. Wood may be finished in natural oil, or smoke or walnut stains; flat-spring construction supports polyfoam bolsters and mattress. Rota-Positioner allows draftsman to reach all areas of board while seated in standard-height chair, according to manufacturer. Desk top is 30" x 60".
### Accounting Machine

Accounting machines can perform multiplication and division with the help of a calculating device added to IBM's 402, 403, and 407 machines. Six registers with 11 digits enable converted machine to make analytical figures for cost studies, billings, and percentages. The device does not convert an accounting machine into an electronic computer. It is programmed mechanically with wired board panels. International Business Machines Corp., Data Processing Div., White Plains, N.Y. On Readers' Service Card, Circle 119

### Hardboard “Chestnut”

Hardboard imitates wormy chestnut in tongue-and-grooved panels available in 16”-grooved 8” sheets. The textured surface is washable and is said to be “highly resistant to heat and moisture.” Marsh Wall Products, Dover, Ohio 44622. On Readers' Service Card, Circle 120

### Better Bonding Tile

Manufacturer supplies wall tiles jointed together with small pieces of adhesive tape. Small adhesive tabs join set of four “Romany-Spartan” glazed wall tiles to make handling easier at the site. The tabs are small enough to ensure 95 percent of the backs of the tiles, thus ensuring a good bond for the mortar between tile and wall. Three sizes of Romany-Spartan tiles are available with the back mounting: 4 1/2” x 4 1/2”, 4 1/4” x 8”, and 4 1/4” x 8 1/2”. Bond can be used with adhesive, dry-set mortar, or conventional mortar installations. U. S. Ceramot Tile Co., Canton, Ohio. 44702

### Soft Tile

A 1”-square ceramic tile embedded in a vinyl matrix backed with a vinyl waffle pad absorbs sound of footsteps on floors. Manufacturer also recommends “Ceramolok” for counter tops and walls where it can be cut and bent without cracking. Available in 1”-square sheets in many colors. Installation with special adhesive is quick and simple, says manufacturer, and flooring resists stains and discoloration. Amsterdam Corp., 41 E. 42 St., New York, N.Y. 10017. On Readers' Service Card, Circle 122

### Anyone for Tennis?

A 1”-square ceramic tile embedded in a vinyl matrix backed with a vinyl waffle pad absorbs sound of footsteps on floors. Manufacturer also recommends “Ceramolok” for counter tops and walls where it can be cut and bent without cracking. Available in 1”-square sheets in many colors. Installation with special adhesive is quick and simple, says manufacturer, and flooring resists stains and discoloration. Amsterdam Corp., 41 E. 42 St., New York, N.Y. 10017. On Readers' Service Card, Circle 122

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NESSON SWINGS

The famous swing arm lamp—originated by Walter von Nessen more than 50 years ago—has gained a special reputation among architects, design even museums. This versatile lamp is available in nine different standard models for residential and commercial applications. These lamps are also available with modifications to meet specific job requirements. Quality of craftsmanship remains the same. Nessen lamps are made of solid brass, with standard finishes available in brushed or polished brass or satin chrome over brass.

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NESSON LAMPS INC. 317 East 34th St., New York, N.Y. 10016

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On Readers' Service Card, circle No. 432

On Readers' Service Card, circle No. 381

On Readers' Service Card, circle No. 451
COMMUNITY EFFORT RESULTS IN MODEL JUNIOR HIGH

The new junior high school in Eaton, Colorado, a town of only 1,200, is proof of what can be accomplished when the citizens, school board, the superintendent and his staff, and the architect all work together. The result—a unique, well-planned school facility.

Visitors marvel at how both community and school needs have been accomplished in planning the entire facility. Movable walls and folding partitions not only provide for present flexibility, but for future expansions, also.

Planned, preventive maintenance was carefully considered for this building, too. Experience gained from the use of Hillyard products in the grade school, completed in 1955, led to the selection of Hillyard products for the new junior high school building.

There's a Hillyard architectural consultant near you and he'll gladly consult with your specification writers on proper, approved procedures and materials for the original treatment of any floor you specify. Follow-up "job captain" service protects your specification. Write, wire or call collect.

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On Readers' Service Card, circle No. 340
The system can also transfer water light entering through windows during the winter. System is said to reduce air-conditioning and heating requirements for "Lite-Therm" systems, and illustrates distribution and equipment layouts. Three pages of specifications and brief installation details. 24 pages. Environmental Systems Corp., Conyers, Ga.

Perforated Ceiling

Data file for distributing air through perforated acoustic ceiling includes design information for sizing complete system specifications, for the ceiling tiles, and sketches illustrating construction details. The Celotex Corp., 120 N. Florida Ave., Tampa, Fla. 33602

Stone Face

Photographs and panel details illustrate the use of marble-faced precast concrete panels on 11 building facades. Also given are details for caulking joints, anchoring marble to concrete, and an anchor schedule. 12 pages. Georgia Marble Co., 11 Pryor St., S.W., Atlanta, Ga. 30303.

Glass-Fiber Panels


Modified Mortar

Two formulations, Dow Latexes 460 and 464, add tensile and flexural strength to mortar and improve its compressive strength and bond, according to the manufacturer. Latex-modified mortar is suitable for grouting tiles, repairing concrete pipe or floor slabs, waterproof coatings and tuck pointing. The booklet extensively reports on test results of the latex formulations and their effects on Portland cement mortar. Illustrations suggest applications, and brief instructions tell how to use modified mortar. 48 pages. The Dow Chemical Co., 433 Building, Midland, Mich.

Chimneys Not for Burning

Lightweight "Metalbestos" chimneys, for enclosed installations or free-standing fireplaces, come in two standard sizes—7" ID and 10" ID which can be erected to any chimney height required. Insulation between stainless-steel inner pipe and galvanized steel outer pipe is said to have 41 times the insulation value of a brick chimney. 12-page pamphlet with photos and details. William Wallace Co., Belmont, Calif.

Glazier's Delight

Extruded aluminum skylight domes—for topping off school, church, atrium, or greenhouse—are available in standard 12" to 30" diameters with a variety of glazing materials. Custom fabrication is also available. Ridge, multiple pyramid, and specialized skylights are shown in 16-page booklet with photographs, specifications, and details. Super Sky Products, Inc., Box 47, Thiensville, Wis. 53092.

Parting of the Ways

Office partitions faced with steel, hardboard, or vinyl-coated walnut panels are framed into aluminum posts grooved on four sides for flexibility of layout planning. Panels are available in several...
What does Ceco do to help you deliver a pristine project?

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The reason for this is that somehow or other door handlers respect polyethylene. A bag made of it looks as if it might tear. So people seem to want to treat such a bag with kid gloves. Whatever's inside benefits. That's why we put your "Colorstyle" Décor Doors there.

We want these doors flawless in your building. So we encourage your contractor to erect them with the bags still on. That gives you beautiful doors in mint condition and, once the bags are off, adds to your stature with the client.

This is especially true when your doors are Colorstyle doors, prefinished with baked-on vinyl-type enamels. These doors come with a fine embossed finish that looks and even feels like leather. They come smooth, too.

Colorstyle Doors cost no more than primed steel doors painted on the job. That's about what wood doors cost installed. So they're competitive and entirely practical to specify.

Better look into these doors now. Ask for catalogs. Or ask us to bring you a sample in a bag. The Ceco Corporation, general offices: 6601 West 26th Street, Chicago, Illinois 60650. Sales offices and plants in principal cities from coast-to-coast.
Electrical Equipment

Safety Lights
Catalog lists lighting fixtures that meet the requirements for lighting in hazardous areas. It gives dimensioned details, photometric data, and recommended uses. 34 pages. Appleton Electric Co., 1701 Wellington Ave., Chicago, Ill. 60657. On Readers' Service Card, Circle 213

Atmosphere

Small, low-voltage (12v) light fixtures for restaurant, cocktail lounge, garden, pool, or fountain (underwater lights). Detailed drawings and full-color photos illustrate wall- and ceiling-mounted lamps, as well as hanging and standing lamps. Wide-Lite Corp., 1414 Gulf Freeway, Houston, Tex. On Readers' Service Card, Circle 214

Furnishings

More Office Chairs
Curved and straight-back office chairs make up "1200 Series," illustrated in 6-page color brochure; swivel armchairs, secretarial chairs, and side chairs are pictured. Five optional upholstery fabrics are illustrated in color; fold-out specifications chart tells types of cushioning used, chair dimensions, posture adjustments, yardage requirements, etc. Steelcase Inc., 1120 36th St., S. E. Grand Rapids, Mich. On Readers' Service Card, Circle 215

Inverted Clapboards for Shelf System
Upside-down clapboard siding construction, used as side panels of storage unit, provides adjustable (and tidy) bracket system without hard-

January 1966
First Honor Award Winner* • by I. M. Pei & Associates and King & King

Whether the competition is local, regional, or national, an impressive number of award-winning buildings are Mo-Sai. Other than Mo-Sai's intrinsic high quality, the resemblance ends there. Let's look at some of the distinctive Mo-Sai features on this award winner. Above and below Mo-Sai windowall units are exposed Mo-Sai structural beams. On either side of the windowalls, monolithic Mo-Sai panels with double returns form the structural fin walls. On each corner of the building two 10-foot 6-inch by 32-foot-high Mo-Sai wall units with an incised design enclose stairways. Mo-Sai cast in the shape of 'I' beam cross sections forms the balcony railing, while Mo-Sai facia panels encircle the roof slab.

Could this building have been so beautifully expressed in anything other than Mo-Sai?
Radius tops—design flexibility with Therm-O-Proof insulating glass.

Therm-O-Proof insulating glass is available in over 200 different design combinations: Trapezoids, triangles, and circles; with clear, tinted, heat absorbing or colored glass; in sizes from 60" x 190" down to 8" x 8" and everything in between. If we haven't got the design you have in mind, we'll do everything possible to make it for you.

Quality too, is paramount in every unit we produce. Continuous attention to detail and quality control are two reasons Thermoproof will be asking for a long time to serve you. And there's a 30 year warranty on every unit to back up this quality.

Your building schedule is important to us also. Popular standard sizes are shipped in three days, and most non-standard sizes in three weeks or less.

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Adjustable Dockboard “Analysis” Brochure—8 pages describe operating sequences and needed safety and operating features.

Send for your copies today! Tear out and attach this ad to your letterhead, or circle information card.

On Readers' Service Card, circle No. 447

On Readers' Service Card, circle No. 356
G-E Silicone Construction Sealant is an amazing synthetic rubber that cures in air. It's waterproof. It won't crumble, harden or peel. So it's the first really permanent sealing compound.

At the new United Nations Plaza apartment and office building, just across from the famous United Nations Building in New York City, nine tons of Silicone Construction Sealant were used for various sealing applications. Seven tons of Silicone Construction Sealant were used to glaze the windows. Another two tons seal the aluminum curtain walls. G-E Silicone Sealant is also used to caulk air ducts as well as miscellaneous caulking throughout the thirty-eight story twin-tower skyscraper.

G-E Silicone Construction Sealant applies quickly and smoothly from a standard caulking gun, forming a tight bond to glass, metal, masonry and other common building materials. No mixing either. And it can be applied easily in any weather . . . never stiffens in cold or runs because of heat. Cleanup is a cinch. So you save time while you get a good looking, permanent seal that minimizes callbacks.

Available in a wide range of colors, as well as a translucent form, G-E Silicone Construction Sealant blends in well with almost any material. It's stocked by local distributors and in many building supply stores. For complete information, including a new bulletin on guide specifications for Silicone Construction Sealant, check the distributor nearest you, or write to Section Q1160R, Silicone Products Dept., General Electric Company, Waterford, New York.
**Plastic Grilles**

See-through acrylic panels have been carved in squiggly and geometrically repetitive patterns (illustrated) for use as indoor or outdoor grilles. Wood grilles in irregular cellular patterns are also illustrated in brochure from Customwood Manufacturing Co., 3620 High St., N.E., Albuquerque, N.M. On Readers' Service Card, Circle 217

**Bright Spaces for Bookworms**

Library stacks need not be drab, now that a choice of 28 colors—including fawn, champagne, rust, olive, ochre, off-white, and Chinese red—is available on this manufacturer's library equipment. Color brochure available from Estey Corp., 1 Catherine St., Red Bank, N.J. On Readers' Service Card, Circle 219

**Columbia Office Furniture**


**Innovations in Home Décor**

An eight-page, consumer-oriented, color folder illustrates 14 Royalacite hardboard wood-grain panels (recent additions: Paneled Walnut, Pecky Teak, Mount Vernon Cherry, and New Honeytone Cherry), plus vinyl-clad wood moldings in seven shapes, Masonite Corp., 29 N. Wacker Dr., Chicago. On Readers' Service Card, Circle 222

**Demountable Partition Systems**

Brochure of 36 pages, entitled "Hauerman Total Interior Concept/Walls," details "Co-

**Surface Art Forms**

Above is the title of a four-page brochure of square and round metal cylinders to be used as pendant, flush, and bracket lighting fixtures. Finishes, sizes, and performance-data chart are included. Art Metal Lighting Div., 1814 E. 40th St., Cleveland 3, Ohio. On Readers' Service Card, Circle 220

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*Continued from page 78*
Who is doing something to open doorways to design freedom?

Stanley is.

With automatic entrances like this.

Help us strike a blow for freedom of 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 for the name of the Stanley distributor nearest you. 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

On Readers' Service Card, circle No. 392
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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Dept. M-245

January 1966

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

Pass & Seymour, Inc.
Syracuse 9, New York

On Readers' Service Card, circle No. 355

P/A News Report
PermaCushion® Floor System — Floor floats on resilient pads attached to treated sleepers. Sleepers do not contact the slab, preventing moisture transmission. Air circulates under floor preventing condensation.

Robbins permacushion Northern Maple Floor guarantees satisfaction in activity rooms

This ideal floor system for gymnasiums, auditoriums and multi-purpose rooms gives uniform resiliency, dimensional stability and long wear. The installed cost is most reasonable—approximately $1.35 per square foot.

Precision-milled, tough-fibered MFMA Northern Hard Maple Flooring, installed according to Robbins PermaCushion specifications, has proven successful in thousands of floors. Installation is guaranteed by a fully qualified floor contractor to assure trouble-free service. For specifications and name of the nearest franchised installer, write: Robbins Flooring Company, Dept. PA-166, White Lake, Wisconsin 54491. See our catalog in Sweet’s Files.

*National average, installed cost for 33/32" 2nd and Better Grade.


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( ) Send complete information
( ) Advise name of authorized installer in this area.

Name ____________________________
Firm ____________________________
Address ____________________________

On Readers’ Service Card, circle No. 362
Continued from page 82

The first practical metal movable wall at low initial cost (according to the manufacturer), as well as the firm's Signature and Delineator partition systems. Booklet includes specifications, technical data, and illustrations. E.F. Hausermann Co., 5411 Grant Ave., Cleveland Ohio.
On Readers' Service Card, Circle 223

Sanitation/Plumbing

Soapy Sales

Washroom accessories in stainless steel are shown in a 24-page catalog giving brief specifications, drawings, and details. Watrous Inc., 216 S. Evergreen, Bensenville, Ill.
On Readers' Service Card, Circle 224

Special Equipment

Cold Interiors

A comprehensive guide to manufacturer's prefabricated walk-in refrigerators and refrigerated warehouses gives component sizes and details for installing them on several types of floors. Also, catalog recommends refrigeration equipment sizes and architectural specifications. 32 pages. Bally Case & Cooler, Inc., Bally, Pa.
On Readers' Service Card, Circle 225

Street Furniture

Detailed drawings and photographs illustrate glass-fiber-reinforced-plastic street furniture such as benches, trash receptacles, and planters. Furniture available in 11 colors and several textures. 18 pages. Architectural Fiberglass, 2020 S. Robertson Blvd., Los Angeles, Calif. 90034
On Readers' Service Card, Circle 227

Specs for Movable Steel Partitions

On Readers' Service Card, Circle 226

Plan Files

Catalog illustrates systems for filing large sheet materials such as prints, drawings, or maps. Systems include vertical hanging files and square, pigeonhole files for rolled-up sheets. 16 pages. Plan Hold Corp., P.O. Box 3458, Torrance, Calif. 90510
On Readers' Service Card, Circle 228

Dumbwaiters

On Readers' Service Card, Circle 229

Drawing Printer

On Readers' Service Card, Circle 230

Concrete Suggestions

Eighteen data sheets illustrate structural concrete details for large and small projects. Subjects covered include concrete floor joints, flat-plate slabs,
WHY PHOENIX MUTUAL'S NEW SHIP SAILS IN A LEAD-LINED SEA

Seeing the streamlined grace of its shape (technically a lenticular hyperboloid), it is easy to understand why residents of Hartford call the Phoenix Mutual Life Insurance Company's new 14-story office there "the ship." Its designers created beauty from the same poetic fancy. They launched the building's "bow" into a miniature sea... a reflecting pool 140 feet long and 50 feet wide. With garages and file rooms directly below the pool, it took the lasting leakproof qualities of lead to make the architect's inspiration practical. Over 22 tons of lead lining keep the water permanently in place.

This pool is a striking example of the way the virtues of lead have sparked a trend in modern architecture. More and more, designers lend graciousness and interest to buildings by providing pools, fountains, and planters. Water and greenery add a pleasing, human counterpoint to the bare beauty of concrete, glass, and metal.

You can place pools almost anywhere. On a roof or terrace. In a lobby or apartment. Your imagination can roam freely because lead conforms easily to any shape. It lasts forever, and maintenance is nil.

Write now for detailed specifications for pools and planters. We'll gladly give you full technical information on these and other modern architectural applications of lead. Contact: Lead Industries Association, Inc., Dept. N-1, 292 Madison Avenue, New York, New York 10017.
Potpourri is the key word to the February issue of PROGRESSIVE ARCHITECTURE. From a witty comparison of medieval surgeons and contemporary architects to an account of the usage of modern churchbell systems, the range is wide, the tempo exciting.

Highlighting the February issue is an exploration of the validity of “barenness” in modern architectural design—Why does today’s trend of “barely nothing” outprice its more ornate functional predecessors? Next is a thought-provoking psychological approach to the use of ceiling patterns to create an aura of orderliness in a boys school plus a report on a new luxury low-cost housing redevelopment project in Lower Manhattan.

You won’t want to miss this February issue of PROGRESSIVE ARCHITECTURE. It’s yours, plus eleven more exciting issues when you fill in the “SUBSCRIPTIONS” section on the Reader’s Service Card bound in this issue. (See Table of Contents for page number of Reader’s Service Card.)
exposed aggregates, shells and curtain wall joints. Portland Cement Association, 33 W. Grand Ave., Chicago, Ill. 60610. On Readers' Service Card, Circle 231

**Surfacing**

**Strong-Grained Wood**

“Spiced” Maple, a Canadian hardwood, is explained; its suggested uses (mainly furniture, paneling, and flooring) are illustrated; and its characteristics and processing techniques specified in 10-page brochure. Canadian Hardwood Bureau, Canadian Lumberman’s Assn., 27 Goulbourn Ave., Ottawa 2, Ontario, Canada. On Readers' Service Card, Circle 232

**Welsh Quarry Tile**

“Heatherbrown” Welsh quarry tile manufactured by Dennis Ruabon Ltd. of North Wales and produced in natural earth colors is resistant to acids, stains, fire, and frost. Tile is available in rectangular, square and hexagonal shapes. It is nonslip and nonabsorbing for heavy traffic areas. Brochure shows typical installations in color, design patterns, and stock sizes available. 4 pages. Architectural Specialties Inc., 850 South Van Ness, San Francisco, Calif. 94110. On Readers' Service Card, Circle 233

**Against the Grain**

Cross-grain fir blocks for flooring are available in tongue-and-groove sections varying in length from 2’ to 8’. Claimed by manufacturer to be highly durable, resilient and resistant to heat and cold, the blocks are suitable for large industrial installations. 4-page leaflet with brief specifications and photos. Tree Products Co., P.O. Box 496, Lake Oswego, Ore. On Readers' Service Card, Circle 234

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**Richards-Wilcox**

**MOVABLE WALLS**

... provide quiet, flexible meeting and dining facilities at the Marriott Motor Hotel

---

The floor plan of the banquet area in the Marriott Motor Hotel, Philadelphia, Pa., graphically illustrates real functional flexibility. This staff architect designed room effectively utilizes sound retarding R-W Movable Walls to provide an unlimited combination of various sized rooms to profitably meet ever changing space requirements. For information, request Catalog No. 601.

PROGRESSIVE ARCHITECTURE

NEWS REPORT

REINHOLD PUBLISHING CORPORATION

430 Park Avenue, New York, N.Y. 10022

Editor .................... Jan C. Rawas
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January 1966

On Readers' Service Card, circle No. 360

HUPP CORPORATION

RICHARDS-WILCOX DIVISION

121 THIRD STREET • AURORA, ILLINOIS 60507

On Readers' Service Card, circle No. 372
Why cover the corner when you’re going to paint it?

Every exposed corner of every Weis toilet compartment—partition, door and stile is capped with a stainless steel corner reinforcement. Eliminates destructive welding, brazing and grinding which removes protective zinc coating.

Another Weis idea for greater protection—longer life!