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MISSISSIPPI ARCHITECT



The AMERICAN INSTITUTE of ARCHITECTS MISSISSIPPI CHAPTER

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Art Gallery Needed

Interest in architecture necessarily implies interest in art.

The Mississippi Art Association is working enthusiastically on the purchase of land and plans for the construction of a desperately needed new Mississippi Art Gallery. This is an endeavor that should have the interest and support of all Mississippians who are concerned with the cultural growth of our state.

The present gallery houses a collection of valuable paintings and the building—an old residence—is a firetrap. It is imperative that these paintings be reposited in safe quarters.

Some of the statewide benefits of a new gallery are enumerated by the Association as follows:

- *circulate original art objects throughout the state.
- *encourage and assist cultural groups in developing art projects in their communities
- *conduct workshops
- *provide adequate facilities for storage and shipping, thereby enabling the Association to share with other Mississippi cities the Association's permanent collection.
- *receive and show the best traveling exhibits including originals by the Old Masters
- *stimulate interest and learning by showing fine art to the school children of Mississippi
- *enhance cultural advantages for all Mississippians
- *attract tourists.

We encourage you to show your interest by becoming a member of the Mississippi Art Association in one of the following categories:

	INDIVIDUAL			ORGANIZATION	Ī
Individual	\$3	per year	Regular	\$1	0 per year
Couple	5		Special	2.	5
Student	2		Patron	10	0
Artist	6		Sponsor	50	0
Patron	25		Donor	1,00	0
Sponsor	50				
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Make your check payable to the Mississippi Art Association. Mail it to Box 824, Jackson, Mississippi and DO IT NOW.

- Bob Henry

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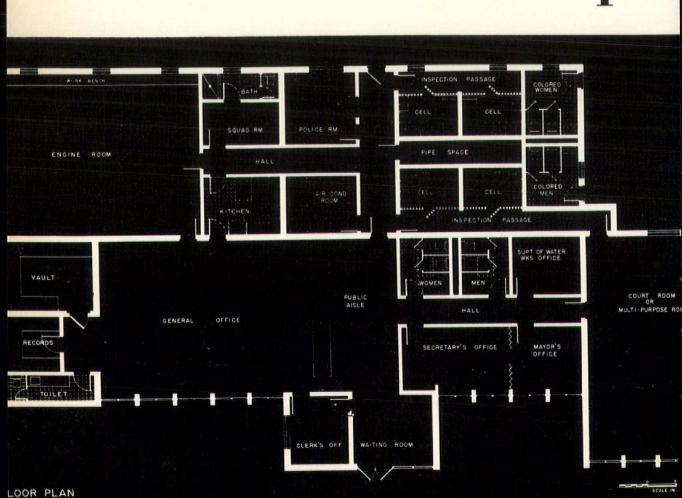
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uilding

DESIGNING this municipal building for Moss Point, Mississippi, was a nique problem in as much as the facility ad to accommodate a city hall, jail, court from, fire station, tax collection department, and waterworks department. The mayor's ecretary was also the secretary of the local hamber of Commerce. There was also a mited budget of \$100,000.

Brick with structural tile back-up for load earing walls with pre-cast concrete roof and sprayed acoustic plaster ceilings were nosen.

This is perhaps the first window wall job the Mississippi Gulf Coast. The strucire is completely air conditioned.

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UST 85 years after Thomas A. Edison developed his first practical electric light bulb, man-made lighting in its greatest glory nightly delights and amazes visitors to the World's Fair.

The transformation which occurs when the lights begin to blink on in the evening gives the fair an exciting new personality, and makes seeing it after dark a "must" for those who would appreciate it

World's fairs traditionally have been vehicles for the introduction of new light sources, lighting techniques and equipment, according to C. M. Cutler, General Electric lighting consultant to many past

fairs and expositions.

The New York Fair surpasses all previous ones in lighting innovations which make it a memorable

visual experience, he said.

Cutler said G.E. is employing the fair as a showcase for the application of nearly a dozen new lamp types. Many of these, he predicted, will be important in the illumination of homes, streets and highways, factories, institutions, office and other commercial

Fireworks, towering plumes of water, changing colors of lighting, accompanied by a dramatic musical score—these dominate the interest of visitors to the New York World's Fair during a 20-minute nightly show at the Fountain of the Planets. Colorful lighting effects are accomplished through the use of 1200 General Electric 400- and 700-watt "multi-vapor" lamps, a new type f light source being used here for the first time anywhere.

up the WORLD'S FAIR

LIGHTING

buildings long after the fair has run its two-year

As is to be expected at a world's fair, outdoor illumination features the widespread use of colored light, contributing greatly to the festive atmosphere. Here for the first time, colored light is created by an entirely new technique, which produces colors

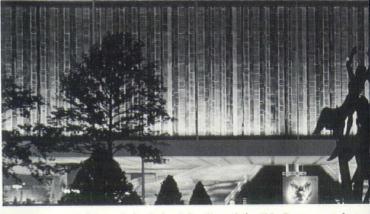
that are more intense and highly saturated than have been possible heretofore.

Secret of the improved colored light lies in the use of dichroic filters, designed to transmit light of one color wavelength and to reflect all other colors. These unique filters transmit up to 50 per cent more

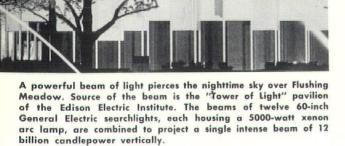
(Continued on following page)

LIGHTING up the WORLD'S FAIR

(Continued from page 3)



Lighting of the Federal Pavilion of the U.S. Government feature what may be the world's largest transilluminated walls. The building is constructed as a large "space frame," and exterior facades measure 65 feet high and the length of a football field on each side. Behind the facade wall, every four feet around the base and top, is a 500-watt G-E quartz-iodine lamp, who slight transilluminates the exterior surface of multi-colored glass.



visible radiation than do conventional glass color coatings.

Dichroic filters are used as integral parts of lamps, as on the dome of General Electric's "Progressland" pavilion, or separately as in the case of the lighting for the Fountain of the Planets, the huge front canopy of the General Motors pavilion, and the Tower of Light.

On the dome of the G-E pavilion are 1056 150-watt amber spotlights, 528 green ones and 528 blue ones. These operate as programmed on electronic tape, creating a variety of patterns and color combinations, and create the illusion that the dome is rotating.

Show-stopper of the fair is a 20-minute performance of the Fountain of the Planets, where an extravaganza nightly attracts thousands of fairgoers.



The 10-story high entrance canopy of the General Motors Futurama exhibit at night serves as a giant screen for one of the World's Fair's most effective lighting presentations. Thirty-eigh lighting "pods" are spaced across the base of the canopy, each containing three 1500-watt quartz-iodine spotlights colored blue red and green, and six 200-watt railroad locomotive headlamps with two of each color. Regulated by electronic controls, beam of light move across the canopy in an ever-changing spectacle of colors.

NAZARETH HOSPITAL

Nazareth Hospital addition, recently completed in Philadelphia. Representing an ultra-modern concept in hospital planning, the structure is designed to prevent any above-ground catastrophe from interfering with the performance of vital services. The extensive use of marble, both inside and out, proves the modern value of this limeless building material.

CATED just off Roosevelt Boulevard, in Philadelphia, the recently comoleted nine-story addition to Nazareth Hospital has been specifically designed to prevent any above-ground catastrophe from interfering with the performance of vital services. With seven floors above ground and two stories below ground, his ultra-modern medical and surgical facility incorporates features that radically alter many previous concepts of nospital construction. But one standard nospital design concept that has rehained as strong as ever is the reliance on marble for those areas of the building where quiet elegance, lifetime durability and low maintenance are desired qualities.

Equipped with such features as triple power supplies; bombproof surgical suite; radiation-resistant operating rooms, X-ray, and central supply; dual water supplies; and combination fueled-poilers, the new addition gives Nazareth Hospital a total capacity of more than 400 beds.

Significant is the choice of materials for this showplace of modern hospital construction is the extensive use made of timeless marble. Vermont Eureka Danby marble with a honed finish was selected for the exterior front and sides of the first and second stories above ground. This marble is used also for pilasters and for a longitudinal band above the pilasters. Granox Cedar narble is used for window sills, and as decorative panels beneath the windows. n the visitors' lobby, Vermont's Italian White Cremo Delchetto marble is used or wall surfaces and on two opposite ides of each of the columns. narble is also employed for thresholds. rchitects are Henry D. Dagit & Son.



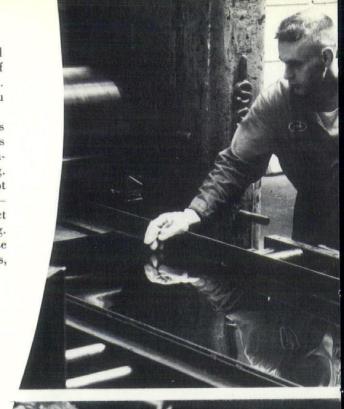


Visitors' lobby of the new Nazareth Hospital addition. The walls of this area, and two sides of the columns, are faced with Italian White Cremo Delchetto marble. Use of this material produces a rich, clean and enduring appearance.

A LONG-STANDING problem of both architects and metalworkers—that of making wide areas of metal sheathing look attractive—is being licked . . . by rolling with the punch. More accurately: if you can't lick 'em . . . join 'em!

In the unique answer to a headache that has plagued fabricators and designers back to the days of knights in armor may well be a brand new boomlet for the "design-rolling" field of metalworking.

More specifically, the problem—which has kept sheet metal off many surface areas of buildings—is the built-in tendency of smooth metal to reflect annoying glare from either sun or artificial lighting. With this, too, the smooth metal surfaces—because of their very smoothness—show up stains, mars,



METAL IN CONSTRUCTION

Design-rolling imposes upon smooth metal sheet a geometric, three-dimensional design which does away with the "dirty-mirror" patina of smooth metal. In photo at top right, note the smooth metal with its reflections moving through the mill at Rigidized Metals Corp., Buffalo. In photo above, the outgoing end of the same mill, the smooth sheet has been design-rolled . . . not its "matte" finish, no longer reflective.

General view of the new Republic Steel Research Center in Independence, Ohio, finds the patterned stainless sheets—above and below the windows—assuming an over-all tone of blue. As with the dots in a half-tone, the separate design elements are not apparent, but in the aggregate they serve to vary the solid blue color constituting the background for the raised end polished geometric pattern.

tone bruises, and even the very slightest of off-true oil-canning" effects.

The industry's answer to smooth metal's bad habits s to "unsmooth" it! Mars, scratches, blemishes, lents, and light-glare spots all add up to one thing: moothness is no longer there anyway . . . so let's in-smooth it at the start, but do so with an attractive pattern that actually takes advantage of unvenness. To do this, sheet metal—most commonly n building work stainless steel or aluminum—is 'design-rolled."

Rigidized Metals Corporation of Buffalo, pioneer lesign-rolling firm and farthest-reaching in its field with its 70 distributors, points out that the design-olling art has reached the zenith of its applications, hus far, this year. The New York World's Fair's tuge centerpiece trademark, the "Unisphere" (R) tess design-rolled steel instead of smooth metal for he "land areas" on the griant globe. Rigidized itself upplied some 40,000 square feet of design-rolled tainless steel for the purpose. The tall world-of-omorrow style entrance towers of the Fair, made up of slanting rectangles of steel, is another example of lesign-rolled use. Those rectangles are design-rolled namelled iron.

Richard S. Smith, a former steel salesman who aw possibilities in design-rolling and quit a secure ob to start Rigidized Metals, sees a growing market otential in design-rolled metal for architectural use. The very pattern used on the Unisphere, he related, s currently being pushed by U.S. Steel's American Bridge Division as an ideal choice for building curain wall panels. A comparatively coarse geometric lesign, the Unisphere pattern, close up, presents the spect of a landscape of ponds and pools and golf ourse sand traps. The farther away one stands in iewing it, the more the pattern assumes a uniform



New York World's Fair trademark, the Unisphere (R), makes use of design-rolled stainless steel in its full acre of "land areas" . . . the geometric design brings under control the problem of annoying glare and "oilcanning" normally resulting from wide surface treatment with smooth metal.



patina, a "matte finish"—instead of smooth metal's "dirty-mirror" finish, as one executive of Rigidized Metals phrased it.

In the world of construction, too, design-rolled metal is finding increasing employment for interior applications. The range is virtually as wide—potentially—as the use of metal in any form for surfacing. The examples include trim components for lobbies, elevators, escalators, stairway stringers, doors, lockers, scuff plates, ductwork, air conditioning housing, grillwork, and phone booths.

No matter where the application for design-rolled metal may be found, says Dick Smith, it serves essentially the same three-pronged purpose, that of providing a surface which foils annoying glare, completely camoflages dents, mars and stains which may accumulate . . . and increases the structural strength of the metal.

To dramatize the virtues of his own Rigid-tex design-rolled metal, Smith placed on the wall of his Buffalo plant two framed panels. One is a sheet of bare stainless steel. The other is an identical sheet which has been design-rolled with the pattern used for the Unisphere. When you visit him, Dick Smith will invite you to throw stones at both panels. You hurl a stone at the smooth metal and an ugly dent pops up where your stone hit. By now, that panel is a badly-scarred and unaesthetic mass of stone bruises. Throw a stone at the design-rolled sheet. You see it hit. It made an impression. You're challenged to find where it hit. The design-rolled panel looks as fresh and new as the day it came out of the design-rolling mill. The moral is plain to understand:

"If you can't lick 'em . . . join 'em!"
That way, you do lick 'em.

That way, you do nek e



Gabe's Inn, a twelve story cylinder shaped motel in Owensboro, Kentucky, features a roof-top pool and lounge covered by a transparent acrylic plastic dome. Architect: R. Ben Johnson.



A giant sized crane was used to lift the Plexiglas dome panels to the top of the 110' high motel.

YEAR round swimming and relaxation is provide for guests at the new Gabe's Inn, Owensbork Kentucky, by a movable, transparent, acrylic plast cover over the pool and lounge area on the building top floor. The lightweight, weather resistant Plex glas acrylic plastic cover provides an attractive are glas acrylic plastic cover provides an attractive are distinctive touch to the twelve story, cylinder shape distinctive touch to the twelve story, cylinder shape are glassic cover provides and attractive are distinctive touch to the twelve story, cylinder shape distinctive touch to the twelve story, cylinder shape are glassic cover provides and attractive are glassic cover provides are glassic cover provides and attractive are glassic cover provides are glassic cover provides and attractive are glassic cover provides are glassic cover provides are glassic cover provides and attractive are glassic cover provides are glassic c

The dome-like enclosure contains some 4,00 square feet of Plexiglas. It consists of twelve acryl plastic panels that resemble pieces of a pie. Six the panels are stationary and six ride on metal rai enabling them to be opened or closed as the weath dictates. For the summer season, the panels are sl into their open position allowing comfortable breez to circulate through the roof area. During incleme weather, the Plexiglas panels are easily closed protect the swimmers and guests in the lounge. Plex glas acrylic plastic, a product of Rohm & Haas Cor pany, was chosen for the cover because of its breakage resistance, transparency, lightweight and outstanding weatherability. The acrylic panels are unaffected by rain, sun, wind, and snow and will retain their tran parency even after years of outdoor exposure.

Both pool and lounge areas are heated in winte Fans in each area blow hot air directly on the unde side of the Plexiglas panels. This effectively preven moisture condensation.

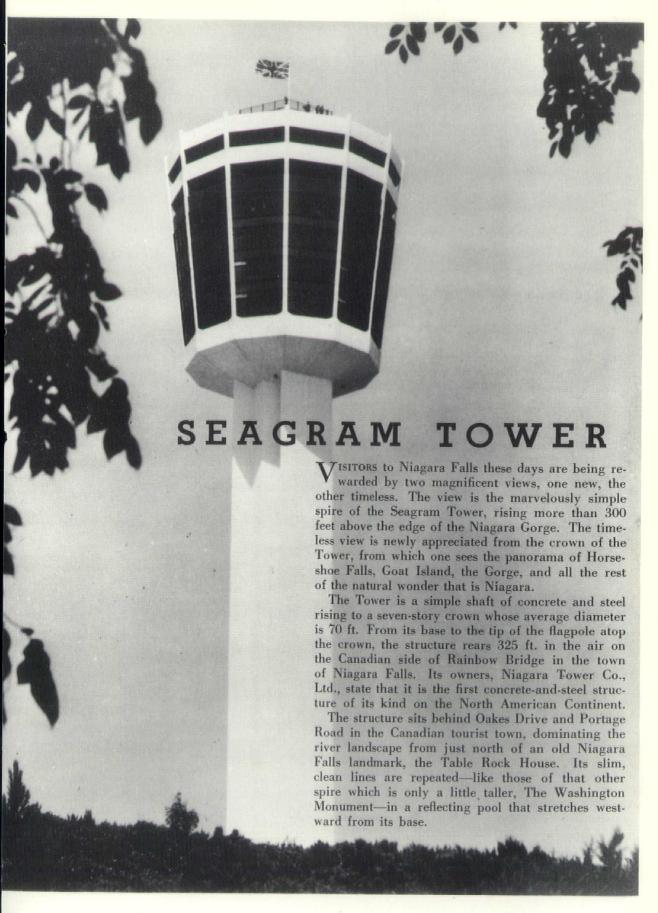
moisture condensation.

A special crane was used to lift the metal frame acrylic plastic sections to the top of the 110 high building.

Movable Plastic Cover Protects Motel's Swimmers

The twelve acrylic plastic panels covering the pool and lounge are easily opened or closed as the weather dictates.







Architect Favors Pancy by many tenants who execute leases during the construction period. Do. Shapiro, A.I.A., the building features second-story reflection pool patio area and ground level parking. Limited Height Building

While a dwindling supply of available commercial property continues to heighten Southern California's "high rise fever," there yet remains a vast field for the small office building developer.

Irving Shapiro, A.I.A., emphatically made this point clear while planning the new office structure now in the "finishing touches" stage at 7033 Sunset Boulevard, Hollywood.

Given suitable zoning in a revitalized area, should the developer go high rise or limit the height and consequently the rentable area?

This question today confronts builders and architects throughout Southern California, Shapiro declared.

So much favor is being given to high rise construction by both developers and financing institutions in the Los Angeles area, Shapiro explained that the smaller office building is often discarded if favor of the larger project.

touches to put it into condition for occu

Basically, he added, the current market value of commercial locations seems to indicate only one us of the property to owners and developers—high ris even though it may not produce the greatest economic use of the property.

Given a site in the center of a block with a confort frontage and a depth of 200 feet, Shapiro disigned the building at 7033 Sunset for three stories

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