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MAY

TEXAS ARCHITECT

OFFICIAL PUBLICATION OF THE TEXAS SOCIETY OF ARCHITECTS

IN THIS ISSUE

Centennial
Convention of AIA

Eight TSA Members
Awarded Fellowships

Tribute to
Louis Sullivan



The Jack Tar Orange House, in Orange, has been selected by the Southeast Texas Chapter, AIA, as representative of recent work in the Chapter area.

Architects & Engineers:
Goleman & Rolfe, TSA-
AIA, Houston, Beaumont,
and Orange. Consulting
Architects: Holabird &
Root & Burgee, AIA, Chi-
cago, Illinois.



Above: Front and side view of the nearly completed Safeway Store built in Midvale, Utah.

Left: Interior of the store showing precast concrete channel roof slabs placed on lower flange of the main prestressed concrete roof beams.

Architect, Wm. J. Monroe, Jr., Salt Lake City; Contractor, Ragnar-Benson, Inc., Chicago.

Super Mart's 108 ft. clear span made possible by Precast, Prestressed Concrete Beams

The Safeway Store Building in Midvale, Utah, obtained a clear floor area 108' wide by 130' deep through the use of only five precast, prestressed concrete beams. The beams, cast on the job site, were placed to give a 16' space above the finished floor in the main store area.

The roof required about 13,500 sq. ft. of precast concrete channel slabs with conventional reinforcement. These channels, 2' wide with 10" legs, were placed on the lower flanges of the main prestressed beams. This allowed the prestressed concrete beams to stand boldly above the finished roof line to produce a dramatic architectural effect.

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form with any applicable local building codes. Like all concrete structures they offer many advantages: great strength, extra long life, very low maintenance cost and true *low-annual-cost* service. In addition, such structures provide great resistance to destructive natural forces such as storms, decay, termites and especially fire.

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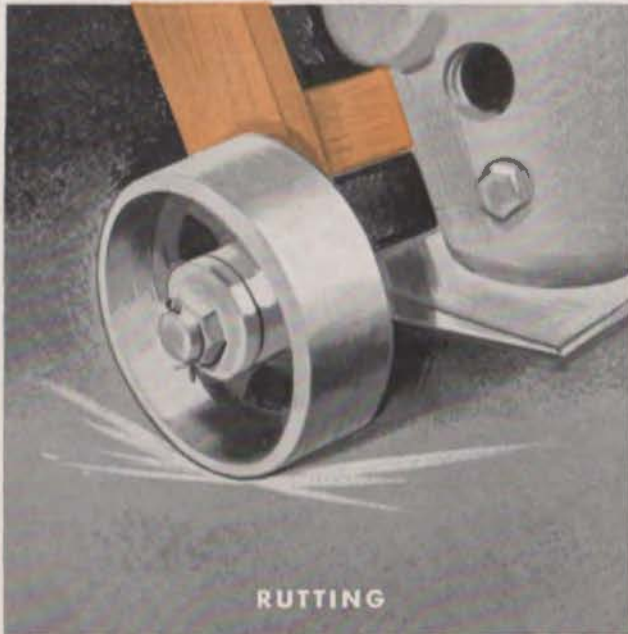


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The President's Letter

By
Fred J. MacKie
TSA-AIA
President,
Texas Society
of Architects



The Texas Architectural Foundation, sponsored by TSA, was organized to stimulate scholarship and research in the architectural field. The Foundation, directed by many of the Texas architects who have served as president of TSA, has been steadily expanding its activities in the past few years. It is a major and continuing project for the Texas Society of Architects.

A series of guest lectures to be given at the five senior architectural schools in the state, and the financing of a collection of architectural slides, are included in the 1957 Foundation program. The TAF directorate continues also the important administration of various scholarship, award, and research activities.

Recent action of the TSA Executive Board may further expand the work of the Foundation, particularly at the local Chapter level across Texas, by adding the presidents of these 13 TSA affiliates as Foundation directors. This was proposed at the April 27 TSA board meeting in Austin.

Particularly with the expanding Foundation program, it is sound to extend TAF activities as much as possible across the state. The Foundation officers for 1957, who are Herbert Tatum, TSA-FAIA of Dallas, president; Edwin W. Carroll of El Paso, vice-president; and Philip D. Creer, TSA-FAIA of Austin, director of the University of Texas School of Architecture, secretary-treasurer; together with their colleagues will welcome this opportunity to bring a representative of every one of the 13 Chapters actively into TAF work.

Many individuals and firms, particularly in the construction industry, may not be aware that a principal purpose of TAF is "... to receive and disburse funds to further architectural education and research." Inquiries directed to the Foundation at 327 Perry-Brooks Building in Austin are cordially invited.

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Centennial Convention Of AIA

National attention is focused on the opening in Washington, D.C., the evening of May 13 of the centennial convention of the American Institute of Architects.

Record attendance is anticipated for this one hundredth gathering of those who make up the membership of the national professional society of architects. With a total of 12,000 on the rolls, the AIA exerts a great influence upon the U. S. of today and of the future. Architecture, by shaping our environment, affects our lives every moment of the day.

The speakers at the four-day Washington meeting will include leaders from the fields of government, science, religion, education, business, labor, and the arts. The many areas represented typify the complex interrelationships with architecture which are increasingly recognized.

A large delegation from TSA will be present at the Washington convention, as representatives from the regional affiliate of AIA take the opportunity to attend one of the outstanding architectural meetings of all time. The TSA delegates join with their fellow architects and with the nation in solving the AIA and the new century that lies ahead.

TSA Delegation Attends AIA Centennial Convention

A delegation of 40-50 TSA members will hear leaders in technology, government, religion, education, business, labor and the arts address the centennial celebration of the American Institute of Architects May 13-17 in Washington, D. C.

Leon Chateloin, Jr., president of the national professional society of 12,000 architects, declared the purpose of the program, entitled "A New Century Beckons," is to "discuss the complex forces which shape human environment, rather than the practice of architecture or the technical aspects of building."

"By gathering the best possible information from fields in which development of new knowledge and technology alter the pattern of American living, we, as planners of the nation's physical environment, will have an unparalleled opportunity to lay new foundations for the environment of the future," Chateloin said.

One hundred years ago, when the AIA was founded by 13 architects in New York City, the architect was concerned with providing shelter for a burgeoning pioneer society, Chateloin said.

Today, he declared, "The architect must consider, simultaneously, man's physical environment in relation to his new social aspirations and spiritual needs; to a host of new contrivances which afford him new comfort and leisure time; to new problems of traffic flow, land use, and urban congestion; even to the problem of shielding him, not from the elements alone, but from the hazards of a world whose skill at making weapons has outstripped its ability to live without them."

The speakers and other program information are as follows:

Monday, May 13, 8:00 p.m., opening session: Sheraton Hall, Sheraton Park Hotel; Invocation, Rt. Rev. Angus Dun, D.D., S.T.D., Bishop, Episcopal Diocese of Washington; introductory remarks, Leon Chateloin, Jr., FAIA; President, The American Institute of Architects; Keynote Address, "A New Century Beckons", Edward A. Weeks, Jr., Editor, The Atlantic Monthly.

Tuesday, May 14, 9:30 a.m., Sheraton Hall, Sheraton Park Hotel: session



Centennial Commemorative Medal

Design for a gold medal by Sidney Waugh to be presented to President Eisenhower by The American Institute of Architects which is holding its centennial celebration in Washington, D. C., May 13-17. The medal also will be cast in bronze for members of the national professional architectural society.

The eagle on the obverse side of the medal is taken from the official seal of The American Institute of Architects. While all elements of the original seal have been retained, design changes were made to give it a contemporary interpretation.

The symbol on the reverse side is a free expression of the Centennial theme "A New Century Beckons." The micrometer measures time and space, with space being represented by the asteroid and a conventionalized clock representing time. On the secondary plane, back of the above motif, the pair of dividers measures the future as represented by the standard accepted symbol of nuclear fissure. The symbols are expressive of the technological and scientific advance which will profoundly affect the architecture of the new era.

chairman, Nathaniel A. Owings, FAIA; "The New World of Technology", Dr. Detlev W. Bronk, President, The National Academy of Sciences; (A look into the foreseeable future of technology; those scientific developments which will alter the pattern of American life).

11:00 a.m., "The New World of Ideas": Paul G. Hoffman, Representative of the United States to The General Assembly of the United Nations; (The effect of technology upon ideology; the problems of people placed in unwilling juxtaposition by the removal of geographic and other barriers; the internationalization of society.)

12:30 p.m., opening luncheon: The Terrace—Shoreham Hotel: Invocation, Rt. Rev. Msgr. John K. Cartwright, Rector, St. Matthews Cathedral; Address, Leon Chateloin, Jr., FAIA.

2:30 p.m., Sheraton Hall, Sheraton Park Hotel: Session chairman, John E. Burchard, Dean, School of Humanities and Social Studies, Massachusetts In-

stitute of Technology; "Environment and the Individual", Dr. George H. T. Kimble, Director, Twentieth Century Fund, Survey of Tropical Africa; Dr. Paul Tillich, University Professor, Harvard University; Dr. Millicent C. McIntosh, President, Barnard College; (The effect of man's changing physical and mental structure upon his environment; his spiritual life; the effect of changing environment upon the family unit; the status of the modern woman).

9:00 p.m., President's Reception: Opening of "One Hundred Years of American Architecture" The National Gallery of Art.

Wednesday—May 15

9:30 a.m., Sheraton Hall, Sheraton Park Hotel: session chairman, John S. Dettie, AIA; "The Arts in Modern Society", Bennett Cerf, Publisher, Random House; (The status of native culture; the influence of the arts upon modern man; the public taste; the need of contemporary art.)

10:30 a.m., "Government and the Arts", Lillian Gish, Actress; Dr. Howard Mitchell, Conductor, The National Symphony Orchestra; The Hon. Homer Capehart, United States Senator from Indiana; (Should art be subsidized by government? Three viewpoints on the problem.)

Thursday—May 16

2:00 p.m., Constitution Hall: session chairman, John Knox Shear, AIA; "The Future of the City", Carl Feiss, AIA, Planning and Urban Renewal Consultant; Philip M. Talbott, President, U. S. Chamber of Commerce; The Hon. Joseph S. Clark, United States Senator from Pennsylvania; (Will the city continue as a meeting and working place or surrender to decentralization; how can it be restored?)

3:30 p.m., "Music and Architecture in the Environment of Man", Dr. Howard Mitchell, Conductor, and The National Symphony Orchestra; (Dr. Mitchell discusses by speech, the use of solo instruments, combinations, and full orchestra the parallel paths followed

by music and architecture. Charles F. Murphy, AIA, of Chicago donated \$1000 toward this program, which will be sponsored by the Structural Clay Products Institute and its affiliates, the Facing Tile Institute and the Architectural Terra Cotta Institute.)

8:30 p.m., Annual Banquet, Sheraton Hall, Sheraton Park Hotel; Presiding, Leon Chatelain, Jr.; Invocation Dr. Edward G. Latch, Pastor, Metropolitan Memorial Methodist Church; Introduction of New Fellows; Presentation of: Gold Medal to Louis Skidmore, FAIA; Centennial Gold Medal to Ralph Walker, FAIA; "The Architecture of a Democracy", Henry R. Luce, Editor-in-Chief, Time, Inc.

Friday—May 17

9:30 a.m., Sheraton Hall, Sheraton Park Hotel: session chairman, Charles Luckman, AIA; "The New World of Economics", Dr. Emerson P. Schmidt, Director of Economic Research, U. S. Chamber of Commerce; Walter Reuther, Chairman, Economic Council, AFL-CIO; (The future forecast in terms of

population and the expanding economy; expansion and other plans of business and their anticipated effect upon the community; the role of labor in the new society; its needs and aspirations; what it expects of the future.)

12:30 p.m. Awards Luncheon: Invocation, Rabbi Norman Gerstenfeld, Washington Hebrew Congregation; Presentation of: Honor Awards for Architecture, Product Booth Citations, Fine Arts Medal, Craftsmanship Medal, Reynolds Award.

2:30 p.m. Sheraton Hall, Sheraton Park Hotel: presiding, Leon Chatelain, Jr., FAIA; "Architecture, 1977", A film especially prepared for the AIA Centennial Celebration by Time, Inc.

3:15 p.m., "A New Century of Architecture", Pietro Belluschi, FAIA, Dean of Architecture, Massachusetts Institute of Technology; (The development of American architecture over the past century; its relationship to new technology and the needs of our changing environment; the path it will follow in the foreseeable future).



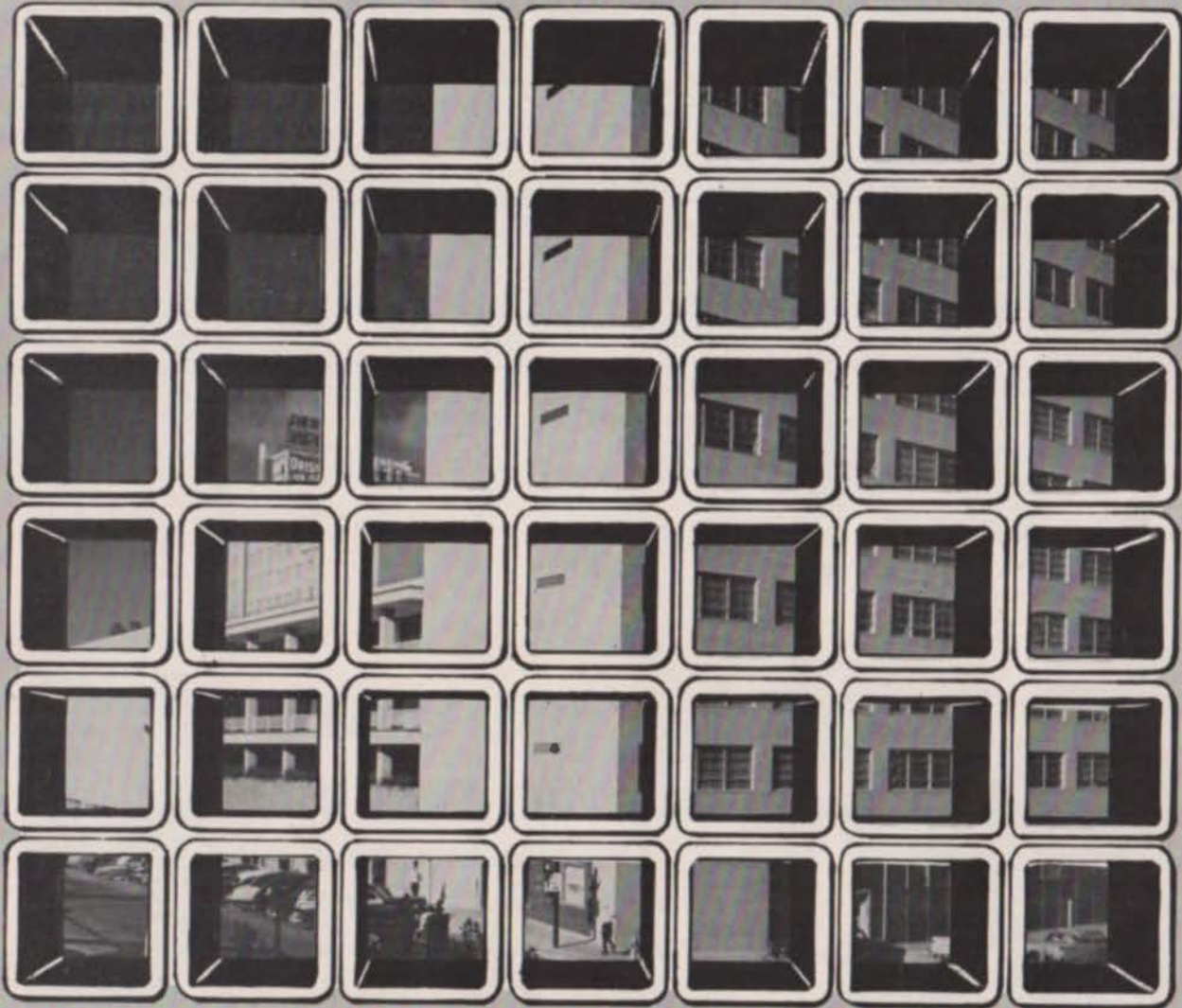
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Jack Tar Orange House Selected By Southeast Texas Chapter

PROJECT:

Jack Tar Orange House, Orange, Texas

CLIENT:

Jack Tar Hotels, Galveston, Texas

ARCHITECTS & ENGINEERS:

Golemon & Rolfe, Architects-Engineers, T.S.A.-A.I.A., Houston-Beaumont-Orange, Texas

CONSULTING ARCHITECTS:

Holabird & Root & Burgee, Chicago, Illinois

STRUCTURAL ENGINEER:

Walter P. Moore, Houston, Texas

LANDSCAPE ARCHITECTS:

Bishop & Walker, Houston, Texas

CONTRACTOR:

Fisher Construction Company, Houston, Texas

The Jack Tar Orange House opened its doors in January of this year. The site, restricted in size, is located on the edge of the downtown business district, at the end of one of the major streets, and is bounded on one side by the Sabine River. The resulting design of the building is a semi-resort-type hotel, with two major parts.

FOUR-STORY STRUCTURE

The larger part of the project is a four-story structure containing 90 guest rooms, public and administrative facilities, a coffee shop, a large dining area which can be subdivided by movable partitions, a private club, and rentable space on the ground floor for shops.

From the rear of the main buildings there projects an L-shaped, two-story building housing 30 motel rooms, a manager's apartment, and a limited amount of covered parking space.

The arrangement of the two buildings forms an inner court, enclosed on three sides, with the open side facing a view of the river. This portion of the site contained several beautiful trees and, using them as basic, natural features of the landscape, the area has been further landscaped to enhance the attractiveness and appeal of the free-form swimming pool and dining terrace built into the court.

TELEVISION CHECK-IN SYSTEM

The guest rooms of the main structure vary in size to accommodate different types of patronage. This building is completely air-conditioned with a double-duct, high velocity system with individual room controls. There are two

elevators, one located at the main lobby and another near the motor entrance. The motor entrance forms one of the unique features of the hotel. A motorist can drive under a sheltering canopy, at the west side of the hotel, and may register and check-in by use of closed-circuit television which is operated from the main desk.

The structure of the main building is also unusual in that the flat slab construction has no exterior columns at the outside face. It cantilevers out from

two rows of narrow, deep columns, the center line of which is located 11' 0" back from the outer surface. Although certain portions of the building employ conventional masonry construction, the two major surfaces are true skin walls of anodized aluminum grid frames, enclosing window units, and insulated porcelain panels, 2" thick.

The kitchen facilities are designed to serve groups of 350 more than the capacity of the hotel. It is centrally located to serve the coffee shop, dining areas, club, and room service.

On-site parking has been provided for 40 cars.

EYE-CATCHING SIGN

Since the hotel is located four blocks from the main highway, it was necessary to create some exterior feature that would draw motorists attention to its location. This was accomplished by locating the stair and elevator shafts at a point centered on the street which dead-ends at the hotel, increasing the height of the shaft and using its face for an attractive, eye-catching sign, identifying the hotel.

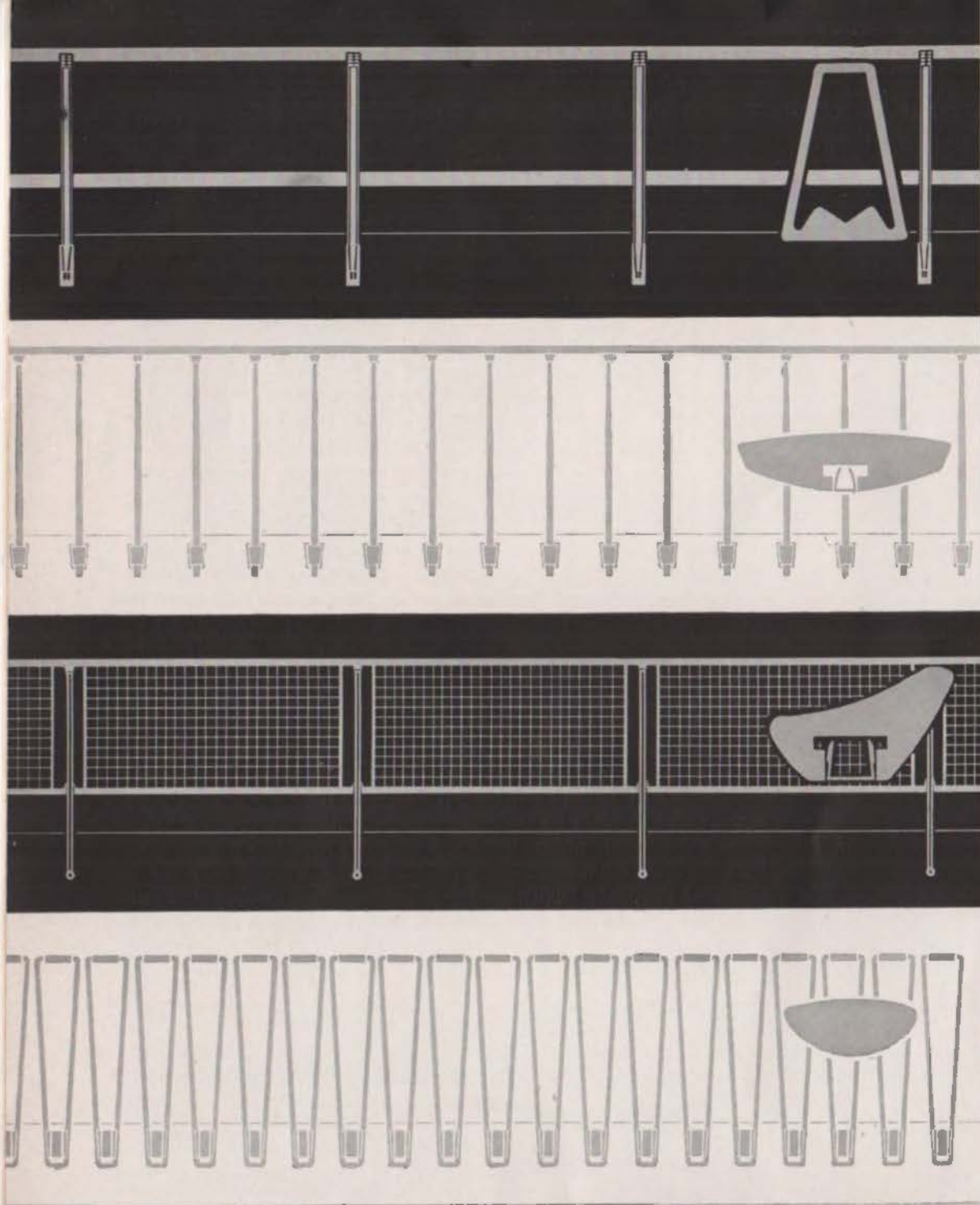
The exterior materials are a combination of orange dry-pressed brick, deep turquoise porcelain panels, glass and aluminum. The motel units are of brick veneer construction, air-conditioned, and each room has its own individual balcony or patio with direct access to the gardens and pool.




Interior Of Award Winner

An interior view of the Jack Tar Orange House in Orange, selected by members of the Southeast Chapter, AIA, as representative of recent work in the Chapter area.

The architects and engineers for the project were Golemon & Rolfe, TSA-AIA of Houston, Beaumont and Orange.




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JEFF JOHNSON

THE STORY:

JEFF AND ANN HAVE HELPED FIGHT A FIRE WHICH HAS COMPLETELY DESTROYED THE LOCAL OLD FOLKS HOSPITAL, KILLING EIGHT INVALIDS WHO WERE TRAPPED BY THE BLAZE...

ANN, THIS WAS MURDER!

BUT THE FIREMEN SAY IT STARTED BY ACCIDENT!

THE FIRE STARTED BY ACCIDENT ALL RIGHT, BUT THOSE PEOPLE DIED BECAUSE OF MURDEROUS NEGLIGENCE!

WHOEVER ERECTED THAT FIRETRAP KILLED THOSE POOR PEOPLE!

JEFF! WHAT ARE YOU SAYING?

THAT BUILDING BURNED SO FAST - THERE WASN'T ANY HOPE FOR THEM! THE FIREMEN DID A GREAT JOB IN GETTING OUT WHAT PEOPLE THEY DID!

THOSE STAIRS KILLED THEM! WOOD STAIRS! THERE WASN'T A BIT OF MASONRY IN THEM!

AND THE DOORS - THERE WEREN'T ANY FIRE DOORS ON THE STAIRS! THEY WERE PERFECT CHIMNEYS! THAT FIRE SHOT UP THOSE STAIRS LIKE A BLAST FURNACE!

BUT WAS SUCH A FINE, NEW HOSPITAL - HOW COULD THIS HAVE HAPPENED?

I'D JUST LIKE TO SEE THE MAN WHO BUILT IT - FACE TO FACE!

THEN TURN AROUND - I AM THAT MAN!



Louis Sullivan Exhibition In Fort Worth To June 13

By HARWELL HAMILTON HARRIS

TSA-AIA, of Fort Worth

The exhibition LOUIS SULLIVAN AND THE ARCHITECTURE OF FREE ENTERPRISE, will open at the Fort Worth Art Center, 1309 Montgomery Street, Fort Worth, May 13 and will continue through June 13.

The exhibition has been brought to Fort Worth and is sponsored by the Fort Worth, North Texas and West Texas chapters of the American Institute of Architects.

Other sponsors include the Texas Architectural Foundation, Inc., Associated General Contractors, Fort Worth Chapter; and the Fort Worth Art Association.

An exhibition of superlative quality and extent, it occupies 1,000 running feet of material, weighs 8,000 pounds and will take a trained staff to assemble after its showing at the Cincinnati Art Museum. It shows the work of one of the greatest artists America has yet produced, and architect who formulated some of the basic concepts which still guide architecture all over the world and a writer whose work shores the best qualities of Whitman and Emerson.

REACHED PEAK IN 1890's

Louis Sullivan was born in 1856 and died in Chicago in 1924. He was a member of the architectural firm of Adler and Sullivan. The height of his career came before 1893, the year of the Chicago World's Fair. This was the period which saw the emergence of an entirely new building type, the skyscraper. In the ruins of the great Chicago fire of 1871 Chicago builders forged techniques that have dominated structures for commerce ever since, all over the world. Their works are known as the "Chicago School." This achievement was transformed into great architecture almost entirely by the genius of one man, Louis Sullivan. It was he who first made a steel framed skyscraper look tall, made it speak for itself. In doing this he made architecture America's most noted contribution to the art of the world, the first one to

be recognized abroad. Largely through his fame, Chicago became the architectural capital of the world.

Intensely sensitive and poetic, Sullivan's qualities are reflected in his writings. Best known of these are his books, "Kindergarten Chats," in which he explained his philosophy to the young architects of his time, and "The Autobiography of an Idea," which tells the story of his own development.

SULLIVAN RE-EMERGES

Sullivan's career reached the heights and the depths. In the sixty-odd years which have passed since his famous Transportation Building at the Chicago World's Fair, the importance of his contribution to architecture has been overlooked and his name largely overshadowed by that of his pupil, Frank Lloyd Wright. Now, when America is re-examining its past with new eyes, Sullivan is coming into his own.

The exhibition material is largely photographic. Many of the photographs are huge. There are two large color transparencies, pieces of his terra cotta and bronze ornament and some of his original drawings.

FIVE SECTIONS OF EXHIBIT

The material is divided into the following five thematic sections.

SULLIVAN'S INFLUENCE TODAY introduces the visitor to the concepts still guiding architecture which Sullivan first formulated.

FORMATIVE INFLUENCES show what led Sullivan toward these concepts, what nourished his art and what he, as a beginner, had to fight.

ADLER AND SULLIVAN is devoted to the great buildings designed in the partner's office.

SULLIVAN ALONE contains the few but important buildings from the years of bitterness and neglect before his death.

ORNAMENT compares his work in this field to that of his contemporaries, showing why Sullivan attached such importance to this element, largely banished from architecture (and indeed from all design) and why this side of

Sullivan's insight is of special interest once again to the leading architects of our day.

COMMERCIAL USE EMPHASIZED

Throughout, the exhibition will demonstrate Sullivan's architecture for commercial use, since this was the vital core of his activity as an architect in the society of free enterprise. He himself said: . . . "what the people are within, the buildings express without."

The exhibition was assembled for the Chicago Art Institute by Edgar Kaufman, Jr. The photographic material represents a careful cull from old and new files that have been assembled by scholars and enthusiasts devoted to Sullivan and his art—especially by the recent surveys conducted by John Szarkowski, assisted by a grant from the John Simon Guggenheim Foundation and by Richard S. Nickel and others under Aaron Siskin at Illinois Institute of Technology. Drawings came from the superb collection in the Art Institute's Burnham Library and from Frank Lloyd Wright; Professor Hugh Morrison, Sullivan's distinguished biographer, is opening his files of notes and documents to the exhibition's organizers.

Groups of students from the architecture schools of Texas and Oklahoma will attend the show.

TSA Delegation Entertained By Senator Lyndon Johnson

The entire TSA delegation to the centennial convention of the AIA in Washington, numbering about a record 75 Texas architects, was entertained by Senator and Mrs. Lyndon B. Johnson at a breakfast during the May 13-17 meeting in the nation's capitol.

Senator Johnson, minority leader in the U. S. Senate, addressed the 1953 state convention of the TSA at Austin, and is personally acquainted with many TSA members across the state.

HONOR GUESTS

Honor guests for the breakfast in the convention city were Albert S. Golemon, TSA-AIA of Houston, and R. Max Brooks, TSA-FAIA of Austin. Mr. Golemon completed a three-year term as AIA regional delegate this month, and Mr. Brooks was elected in Washington to succeed him.

The minority leader spoke briefly at the breakfast, which was attended by a total of more than 100 guests.

Home Remodeling Market Huge In Texas Cities

Growth of metropolitan areas is stimulating an average of \$40 million in the Southwestern home building market, most of it in repairs and remodeling, according to a study made in 15 major Texas cities by the Tile Council of America, Inc.

The Tile Council, a national trade group of 26 manufacturers, four in Texas, who produce 90 per cent of domestic ceramic tile for floors, walls and countertops, discloses that slightly more than half of the building outlays will go toward home modernization. The four Texas tile companies are Lone Star Ceramics Co. of Dallas, Monarch Tile Manufacturing Co. Inc. of San Angelo, Royal Tile Manufacturing Co. of Fort Worth, and Texeramics Inc. of Mineral Wells.

DEMAND INCREASING

Texas metropolitan home remodel-

ing will have its heaviest outlays, says the trade group, in painting, plumbing and room additions. Quality materials such as durable ceramic tile for bathroom surfacing, copper pipes, hardwood and adequate wiring will be in demand more than ever before.

Although the demand for ceramic tile in home remodeling will be an estimated 10 per cent higher this year than last, the present expanded productive level of 360 million square feet is more than sufficient to assure immediate deliveries to dealers and contractors, the Tile Council reports.

The market potential study showed that Texas' metropolitan population has increased 93.3 per cent since 1940. Area builders and contractors will be looking more earnestly into the home remodeling market as the build-

ing season continues. Increased purchases of older homes by modernization-minded owners, growing families now living in smaller homes five or six years old, and the decline in new home starts are the factors contributing to the important remodeling market.

AVERAGE HOME NEAR \$15,000

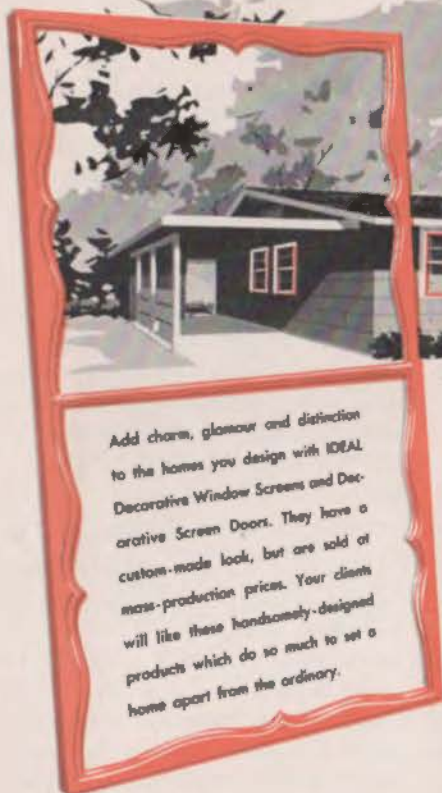
Family recreation rooms and outdoor quarry tile terraces will have stronger roles in home modernization, the report shows. In older homes, the kitchen comes in first for improvement. Built-in storage and appliances, new tile surfacing for floors, walls and countertops are what the homemakers want for the remodeled kitchen.

New Texas homes to be constructed this year will be bigger and more expensive, the average price edging toward the \$15,000 mark. The one-bedroom house has all but disappeared from the metropolitan building scene, according to the study. Four bedrooms and two and one-half baths are becoming more typical for quality-built homes.



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SD-5

Eight Members of TSA Named to AIA Fellowship

Eight members of the Texas Society of Architects are among 48 U. S. architects who are being advanced to the rank of Fellow in the American Institute of Architects. The awards, given for distinguished performance in design, education, science of construction, public service, or service to the Institute, will be made in Washington May 17 during the centennial convention of the AIA.

The newly-honored members of TSA are:

Harold E. Calhaun of Houston, cited for service to the Institute.

Philip D. Creer, director of the School of Architecture at the University of Texas, cited for education.

Roscoe P. DeWitt of Dallas, cited for design.

Arthur Fehr of Austin, cited for design.

Herman F. Lloyd of Houston, cited for design.

Fred J. MacKie, Jr., of Houston, president of TSA, cited for design.

Howard R. Meyer of Dallas, cited for design.

Edward L. Wilson of Fort Worth, secretary of the AIA, cited for service to the Institute.

The names of the newly-elected Fellows were announced by AIA President Leon Chatelain, Jr. Selection was made by the Jury of Fellows comprised of Alexander C. Robinson, III, Cleveland, Ohio, chairman; Douglas William Orr, New Haven, Conn.; Thomas D. Brood, Dallas, Texas; Jack Boss Smith, Birmingham, Alabama; Winchton L. Risley, Los Angeles, Calif.; and Robert William McLaughlin, Princeton, N. J.

University of Wisconsin Offers Extension Work In Reading Of Architectural Drawings

The University of Wisconsin Extension Division has developed a new correspondence course in reading architectural drawings designed for anyone connected with the construction industry.

The course, "Engineering 406, Architectural Plan Reading," was planned for persons without previous training in drawing. The University course provides enough explanation and drill to enable a person to understand any set of building plans and take from them any information he needs. A knowledge of arithmetic is a prerequisite.

REQUESTS FROM INDUSTRY

The course resulted from requests by industry for such training. For instance, a Milwaukee steel company suggested that the availability of such a course would strengthen the ability of salesmen to suggest to architects possible uses of the company's products in a given building.

The assignments cover general discussion of Building, Drawings, scale, representing an object on paper, interpreting drawings, symbols and abbreviations, plot plans and surveys, floor plans, elevations, schedules, architectural sections, general details—architectural, structural framing, electrical drawings, plumbing, heating and ventilating, and specifications.

Further information regarding the course may be obtained from the Correspondence Study Office, University of Wisconsin Extension Division, Madison 6, Wis.

Architects Designing More Houses In 1957, U. S. Survey Shows

Results of a survey just completed by F. W. Dodge Corporation indicate that architects are designing more houses in 1957 than they did last year.

Nearly 80 percent of 105 representative architectural firms interviewed in 25 cities reported that in the first quarter of 1957 they were designing as many, or more, homes as in the first quarter of 1956.

Results of the survey, conducted by Dodge Reports district and branch offices, showed that 39 percent of the firms were designing more homes this year, while another 38 percent reported no change. Only 23 percent reported that they were designing fewer houses than last year.

Among the firms reporting gains over last year, increases ranged from 10 percent to as much as 300 percent.

ONLY 21% DOWN

In reply to another question as to whether the trend of house design activity in their offices had been up, down or level in recent months, 79 percent of the firms said that the trend had been level or upward; only 21 percent reported any downtrend. Nearly 42 percent actually reported an increase.

Commenting on the results of the survey, Dodge vice president and economist George Cline Smith said that the uptrend in architect-designed houses was "hardly surprising."

"The much publicized drop in housing starts last year occurred entirely in government-insured programs," Dr. Smith said, "and conventionally-financed housing held up throughout the year. In the first two months of 1957, the number of conventionally financed housing starts actually increased over the same period of last year.

ACTIVITY ON INCREASE

"Since conventionally-financed houses tend to be larger and more expensive than those financed under government insurance programs, and since there is a perceptible trend toward greater floor area and higher price tags evident from the construction contract statistics, it is hardly surprising to find architect activity on the increase in the house design field."



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Church Architecture Seminar In Dallas To Be Held June 6-7

A two-day seminar on church architecture, sponsored by the Architectural Advisory Committee of the Baptist General Convention of Texas, will be held June 6-7 at the First Baptist Church in Dallas.

Arrangements for the seminar, which attracted a large attendance when held for the first time last year, are in charge of J. W. Caldwell of the BGCT.

Among TSA members participating will be Fred J. MacKie, Jr. of Houston, president of TSA; Adam A. Bliss, Dallas; Herbert Brasher, Lubbock; Harold E. Colhoun, Houston; Ben Christian, Corpus Christi.

OPENING PROGRAM

The program opens the morning of June 6 with a prayer by Mr. Colhoun, a welcome by Forrest C. Feezor, executive secretary of the BGCT; the response by Mr. MacKie; and lectures on "Working With Church Committees", by Mr. Caldwell; and "The Southern Baptist Program of Religious Education", by Dr. W. L. Howse of Nashville, Tenn.

The June 6 afternoon program will feature a prayer by Mr. Bliss, a lecture on "Acoustics and Noise Control for Churches", by R. N. Lane of Austin; and a lecture on "Distinctive Building for a Distinctive Baptist Program", by W. A. Harrell of Nashville, Tenn. A banquet is scheduled the evening of June 6.

JUNE 7 PROGRAM

At the opening session of Friday, June 7, Mr. Brasher will offer the prayer. C. M. McKinney of Austin will then speak on "Sound Reinforcing Systems". Speeches on master planning, how the church architecture department serves the architect, and church finance will conclude the morning program. The convention closes after a luncheon and a question and answer period following the closing message by Dr. Howse.

Inquiries concerning seminar should be directed to J. W. Caldwell, Baptist General Convention of Texas, Dallas, Texas, for a direct reply from Mr. Caldwell in regard to the June 6-7 meeting.

Houston Architect Heads Urban Study By Chamber of Commerce

Cameron Fairchild, TSA-AIA of Houston, has been named chairman of the Houston Chamber of Commerce committee on urban development.

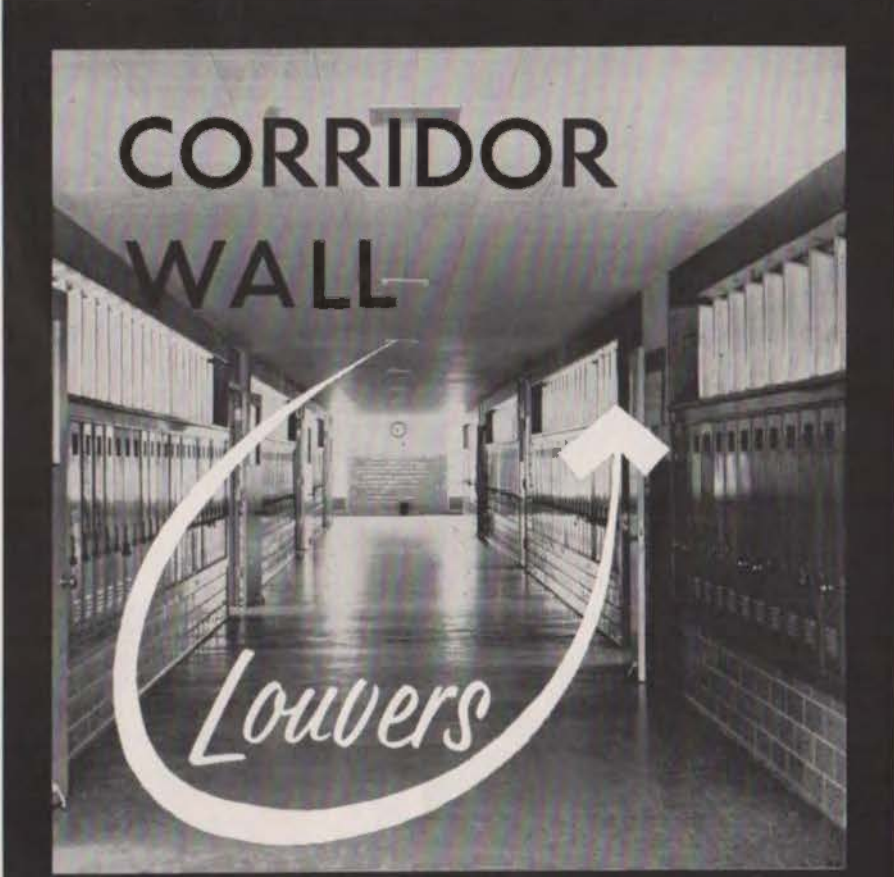
Mr. Fairchild's committee will undertake a comprehensive reappraisal of community facilities, resources, and needs in Houston. The survey is to form a basis for future planning, and a starting point for determining the needs of Houston to 1975.

House & Garden Offers \$3000 Prizes In 1957 Contest

HOUSE & GARDEN is offering \$3,000 in prizes, \$1,500 for houses under 1800 square feet, and the same amount for houses over 1800 square feet.

Only single family houses built and landscaped in the U. S. since 1954 will be eligible. Judging will be under AIA regulations.

Deadline for entries is September 1, 1957. Awards will be announced in the January, 1958 issue.



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Colin Rowe, RIBA Visiting Critic At University Of Houston

Colin Rowe, an associate member of the Royal Institute of British Architects, has been announced as visiting critic at the University of Houston School of Architecture.

A graduate of the University of Liverpool and the Warburg Institute of the University of London, Mr. Rowe has taught at the University of Liverpool School of Architecture, at the University of Texas School of Architecture, and at the Cooper Union School of Architecture. He has practiced in London, at various cities in Canada, and in California.

Author of many articles in the architectural field, Mr. Rowe was co-author with John Hejduk of an article on Lockhart, Texas in the March, 1957 issue of ARCHITECTURAL RECORD.

Mr. Rowe's appointment as visiting critic at the University of Houston was announced by Richard Lilliott, director of the School of Architecture there.

National Plumbing And Heating Exposition In Dallas June 10-13

The National Plumbing & Heating Exposition will be held concurrently with the 75th annual convention of the National Association of Plumbing Contractors in Dallas June 10-13.

Many TSA members will attend this event to see late developments in plumbing, heating, and air-conditioning products and application.

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Southern Gas Association	1
Texas Bitulithic Co.	5
Texas Quarries	CIII
Uvalde Rock Asphalt	CIV
Blumcraft	8
Clay Products Association of the Southwest	6

Fort Worth Chapter Sponsors Educational Program In High Schools

The Fort Worth Chapter of the AIA is sponsoring an educational program in the city high schools as part of its work in commemorating the centennial anniversary of the founding of the AIA.

Until May 24 photographs of the 1956 Honor Awards of the AIA will be on exhibit for one week in each of eight senior and junior-senior high schools in Fort Worth. During the week of the displays a representative of the Chapter will talk to the students on the professional side of architecture, what is expected of an architect, and high school subjects that are prerequisite to the study of architecture.

The program is under the direction of the Education Committee of the Fort Worth Chapter, George W. Shuppe, chairman. Chapter members taking part are Hubert Hammond Crane, Earl Koeppel, Edward Wilson, Herman Cox, John Floore, Robert Woltz, T. Z. Hamm and John Wesley Jones, all TSA-AIA.

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LIGHTING

Part 5

Editor's Note: We continue a series on lighting by H. L. Logan, Vice President — Research, of the Holophane Company, Inc., 342 Madison Avenue, New York, N. Y.

DESIGNING THE FIELD OF VIEW

The previous article discussed the importance of designing the best distribution of light in the field of view, and this is how it is done. First, a spherical perspective protractor, designed for the purpose, and shown in Figure 6, is used. It is applied to an architectural plan and section of the room to be studied, and a typical finished drawing appears in Figure 7.

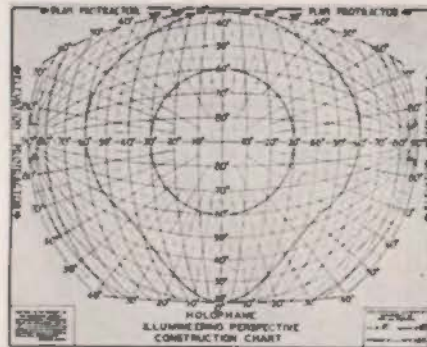


FIGURE 6

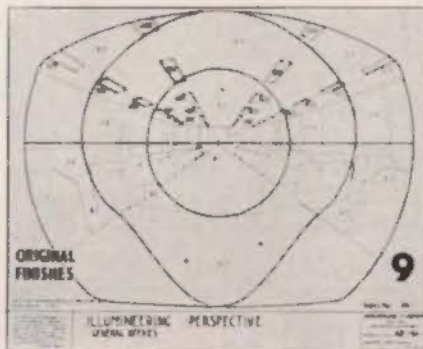


FIGURE 7

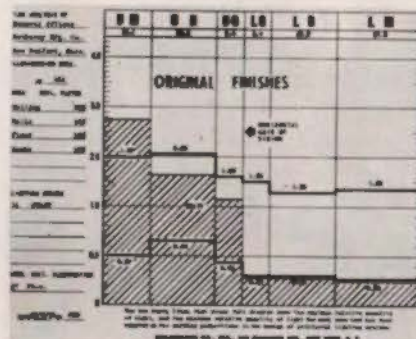


FIGURE 8

This drawing, because of the method of projection, is an accurate engineering drawing from which engineering quantities can be taken. From this drawing the visual area of all signifi-

cant surfaces in the room is obtained. The brightnesses of all surfaces are determined by the interflexion method; and the brightnesses of the lighting units noted. Knowing the brightness and area (i.e., the solid angle subtended at the eye) of all surfaces, it is easy to obtain the relative amount of light present in each visual zone, and draw the corresponding distribution diagram. The distribution diagram for the interior shown in Figure 7 is given in Figure 8.

As this distribution extends above or below the natural "guide lines" in three of the six columns on the chart, it is evidently a distribution that is dissimilar to the natural wheels. It can therefore be expected to cause dissatisfaction among users.

You will note the words "Original Finishes" on the chart. The distribution of light in an artificially lighted field of view is a result of both the way in which the lighting equipments direct the light into the field, and the way in which the surfaces that the light strikes reflect it back to the eyes.

In short, the reflection factors of the various surfaces — i.e., their colors — have to be taken into account.

The reflection factors for the surfaces used in Figure 7, were: ceiling, 80%; walls, 50%; floor, 10%; office desks, 10%.

The right half of Figure 8 shows the small quantity of light being returned from the floor, the desks and parts of the walls. This means that the reflection factors are too low — the colors too dark — and that they need improving. The diagram tells an engineer exactly how much they should be improved, because the numbers on the side of the diagram can be translated into quantities. The diagram shows that we must double the reflection factors at least, of the lower part of the field of view, in order to sufficiently increase the quantity of light coming to the eyes from that area. That is, we must scientifically salvage light by the engineering use of color, in order to change the unsatisfactory distribution of light shown in Figure 8, into something more like what we would experience in a model natural field.

If we do this we will find that the excess in the left-hand column of Figure 8 will disappear, as we will have increased the total light coming to the eye, and the left-hand column will drop proportionately.

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A new Type "H" System — with a complete line of junction units and component parts — is the latest addition to the standard Nepcoduct under-floor raceway line manufactured by

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Made in one size only — 6 3/8 inches wide and 1 3/8 inches deep — it is available in 10-foot lengths with electric outlets spread at 24-inch intervals. Manufactured from 14-gauge cold rolled steel, Type "H" Nepcoduct is protected against corrosion by the Sheradizing method of galvanizing plus an acid-resistant enamel finish.

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It is now possible to have large wall areas of mirror in a bathroom without sacrificing storage space.

The Miami Cabinet Division of The Philip Carey Mfg. Co., Middletown, Ohio, is currently making a rolling mirror unit that allows the area behind the mirror to be used for storage.

The unit is called the Broadview. It is featured by the manufacturer as the "plan-it-yourself" mirror because each purchaser can decide what he wants behind the mirror.

\$25,000 Reynolds Award Goes To Spanish Firm For Auto Plant Design

A special jury of the American Institute of Architects has announced that the first winner of the R. S. Reynolds Memorial Award, a \$25,000 international prize for architects, is the firm of Cesar Ortiz-Echagüe, Manuel Barbero Reballeo y Rafael de la Joya, of Madrid, Spain. The structure which won them the award is the new Visitors and Factory Lounge Center of the S.E.A.T. automobile plant in Barcelona.

MEMORIAL TO FOUNDER

The R. S. Reynolds Memorial Award was established as a tribute to the late founder of the Reynolds Metals Company and is administered by the AIA. It is to be made annually to the architect, or group of architects, who make the "most significant contribution to the use of aluminum, esthetically or structurally, in the building field." It consists of an amount award of \$25,000 with an emblem in the form of a piece of original sculpture.



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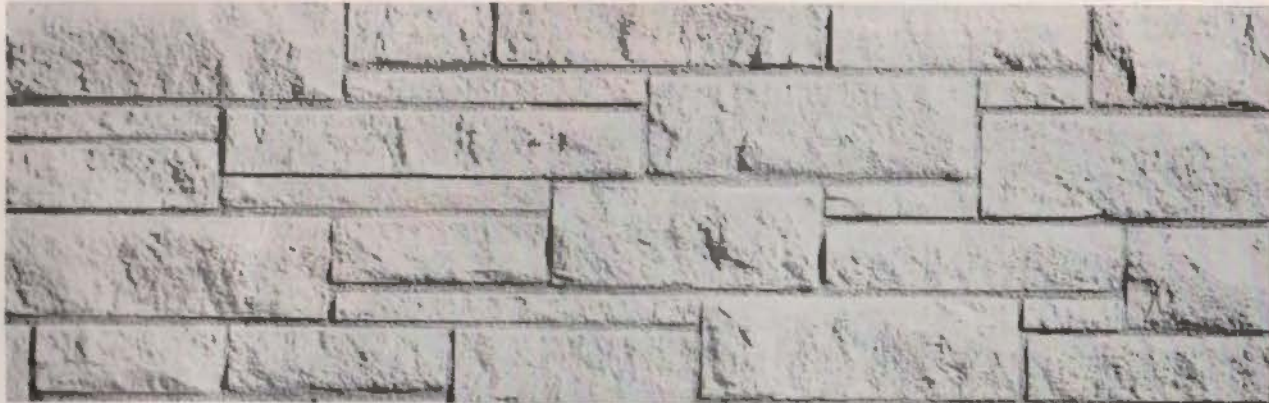
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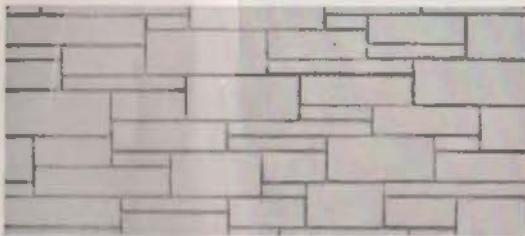
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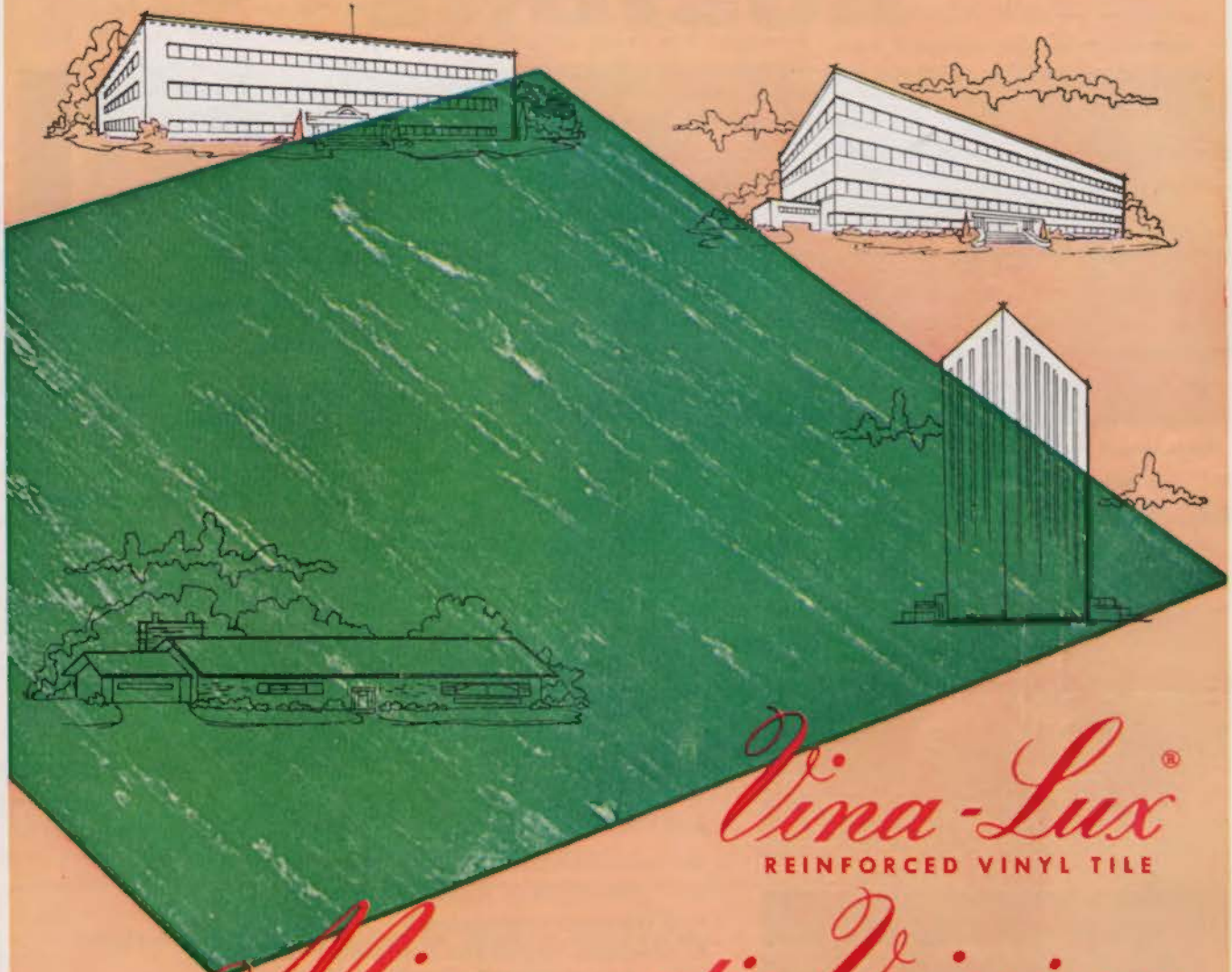
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