

 THE TEXAS
ARCHITECT

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THE TEXAS ARCHITECT

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Taber Ward Managing Editor
James D. Pfluger, AIA Editor
Larry Paul Fuller Editorial Assistant

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3 With this issue, THE TEXAS ARCHITECT adopts a new publication schedule and reveals exciting plans for the future.

4 President Jay Barnes heads the Executive Committee of the Texas Society of Architects for 1973.

6 Texans once again have the opportunity to join the fight for creation of two needed park regions.

7 The Energy Control Center in downtown Houston is as dramatic a functional symbol as it is exquisite sculpture. Like the poetry of Whitman or Sandburg, it tells a powerful tale in the city of the role of harnessed energy in Twentieth Century America. It is, in form and dynamics and in its essential drama, Houston and its aspirations. (COVER)

13 Why hire an architect to design four walls and a roof? Businessmen talk about their architects.

16 San Antonio architect Gilbert Garza distinguishes himself in his career as a citizen and as an architect.

17 Outstanding Texas citizens are honored for their contributions to the arts, architecture and environment at TSA's 33rd Annual Meeting.

23 The Austin Chapter of AIA honors six clients for their concern for and sensitivity to outstanding design.

27 Texas Architect Index 1972 recalls the many activities and contributions the construction industry has made to the State of Texas during the past year.

ADVERTISERS

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p. 22—Josam Mfg. Co.
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p. 31—Electric Utility Companies of Texas

The Texas Society of Architects has recently completed a readership survey of *The Texas Architect* and I want to thank those who took time to respond to the questionnaire. (It was mailed to every other individual on the non-member mailing list.)

The Texas Architect has completed twenty-three years of continuous publication. Besides 2,000 architects, the magazine is received by 6,000 other decision makers throughout the state—executives, public officials, organizations and civic and business leaders.

The Texas Architect highlights owners whose projects were exceptionally well-designed and

constructed. It acquaints the reader with architects' interests and concerns in the context of social responsibility. It presents a visual picture of the Texas environment, with insights into the past, present and future of our cities and the factors that shape them.

Eighty-five percent of you rated *The Texas Architect* "good" to "excellent" and stated that you read at least a part of each issue. Great! Even better, you noted that you keep issues for future reference and pass them on to your associates. Sixty-seven percent said you were involved in design and construction decisions during the last year. Your favorable response

has put us to work on articles dealing with antiquated building codes, legislation to preserve historic buildings, land use, open space planning and Planned Unit Development, plus other topics affecting the quality of life in Texas.

This issue marks the beginning of a new era in the life of *The Texas Architect*. Increased size and a bi-monthly publishing schedule will be followed by format and graphics input by one of Texas' leading communication consultants. I continue to welcome your comments, questions and suggestions. Thanks.

Jim Pfluger, Editor

THE TEXAS ARCHITECT



JAY. W. BARNES, AIA
PRESIDENT

President of the Texas Society of Architects for 1973 is Jay W. Barnes of Austin. He assumed his position January 1.

A native of Austin, Barnes is a principal in the firm of Barnes, Landes, Goodman and Youngblood. A graduate of the University of Texas at Austin, he is registered as a structural engineer as well as an architect.

Prior to assuming the presidency of TSA, Barnes served as president-elect in 1972 and as secretary-treasurer in 1971. He was president of the Austin Chapter of the American Institute of Architects in 1972.

Active in Austin civic affairs, Barnes has served as vice chairman of the committee for a new civic center. He is a past president of the Downtown Lion's Club, a director of the Austin and Travis County United Fund, president of the Austin Knife and Fork Club and a member of the Travis County Grand Jury Commission.

Barnes is a member of the First Baptist Church in Austin and served as a chairman of the Board of Deacons.

At the national level, Barnes has served on the American Institute of Architects' Personnel Task Force.



DES TAYLOR
executive director

Des Taylor has succeeded Don Edward Legge as executive director of The Texas Society of Architects. Taylor grew up in Kilgore, Texas, where he attended public schools and Kilgore Junior College. He is a 1967 graduate of the Baylor University School of Law, where he served as a member of the Board of Governors of the Student Bar Association and president of his senior class.

After graduation, he was associated with the law firm of Garrett and Garrett in Fort Worth and with the legal department of General Dynamics Corporation, also in Fort Worth. Prior to joining TSA, he served as executive director and legal counsel for Associated General Contractors in Waco. The new TSA executive director is a member of the American and Texas Bar Associations, Phi Alpha Delta Legal Fraternity and the Baptist Church.

TEXAS SOCIETY OF ARCHITECTS



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Bills Introduced For Big Thicket, Amistad Parks

Sen. Lloyd Bentsen has introduced two bills to create park regions in Texas.

One would establish a 100,000-acre Big Thicket National Recreation Area and the other a 65,000-acre Amistad National Recreation Area on the Mexican border near Del Rio.

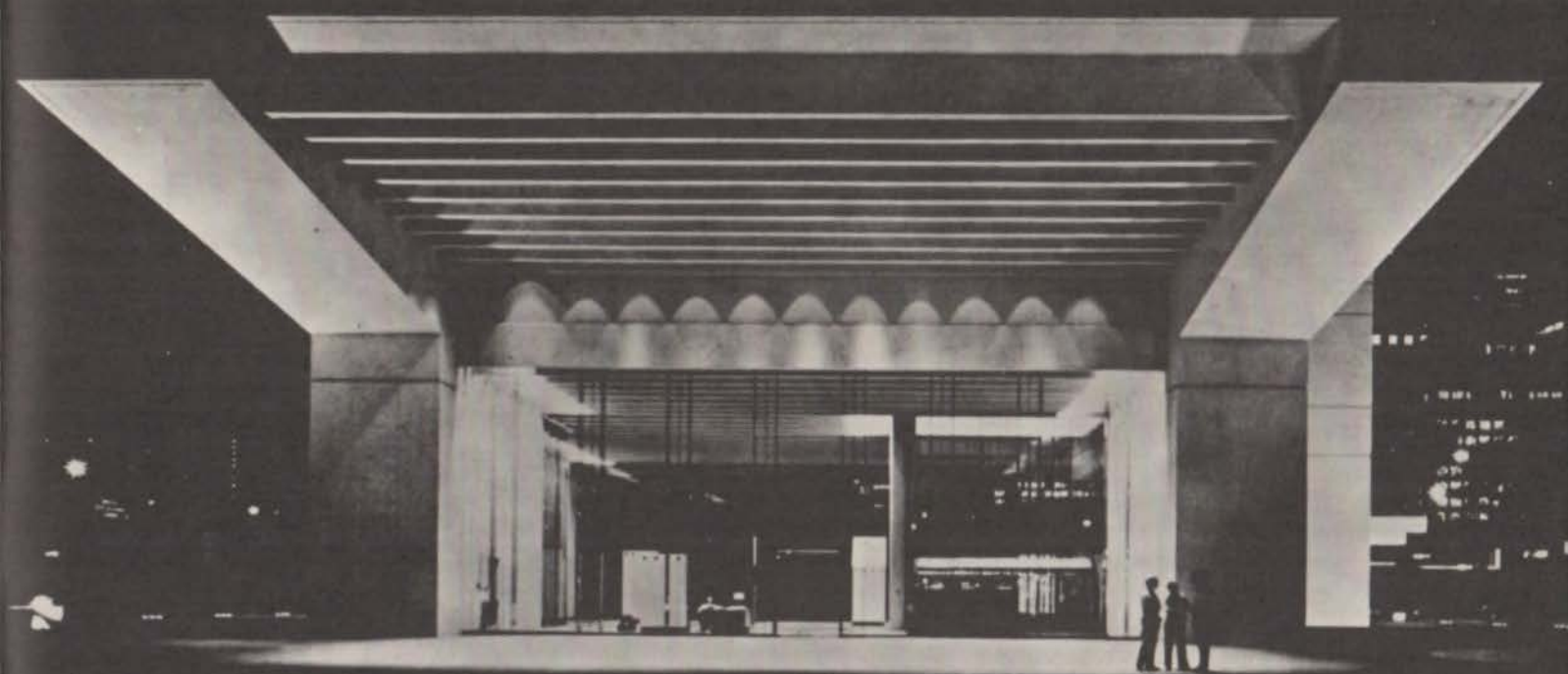
Proponents of the Big Thicket park are trying to regain impetus after the bill passed in the Senate but died in the House. The House Interior Committee held hearings on the bill, but the Nixon Administration, through the Department of the Interior, failed to recommend the Big Thicket park.

See "The Big Thicket—A Challenge and Opportunity That Texans Cannot Afford to Lose" in the May 1972 issue of *The Texas Architect*.

TEXAS ARCHITECT

HOUSTON LIGHTING AND POWER ENERGY CONTROL CENTER

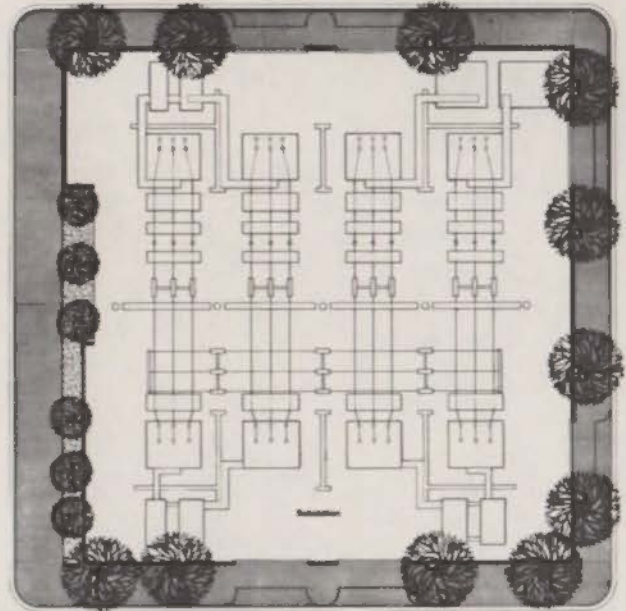
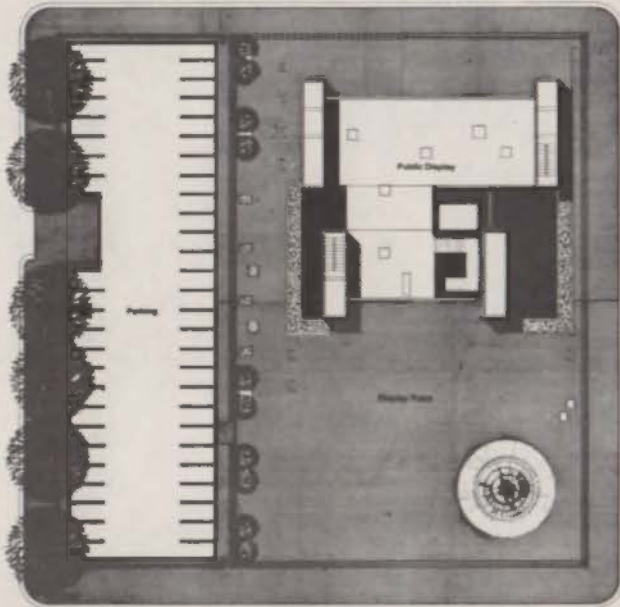
FIRST HONOR AWARD
TEXAS ARCHITECTURE 1972



HOUSTON LIGHTING AND POWER CO. ENERGY CONTROL CENTER

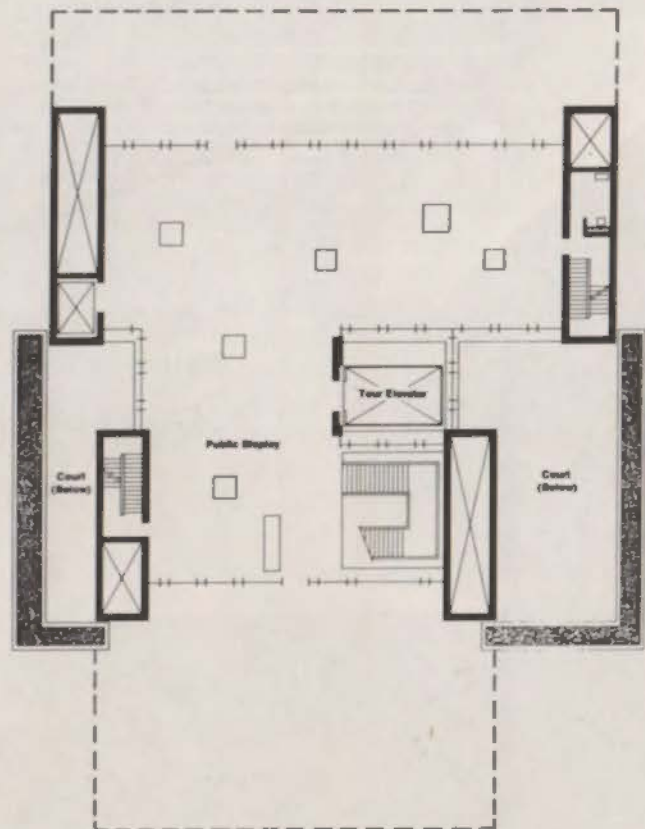
CAUDILL ROWLETT SCOTT ARCHITECTS, HOUSTON

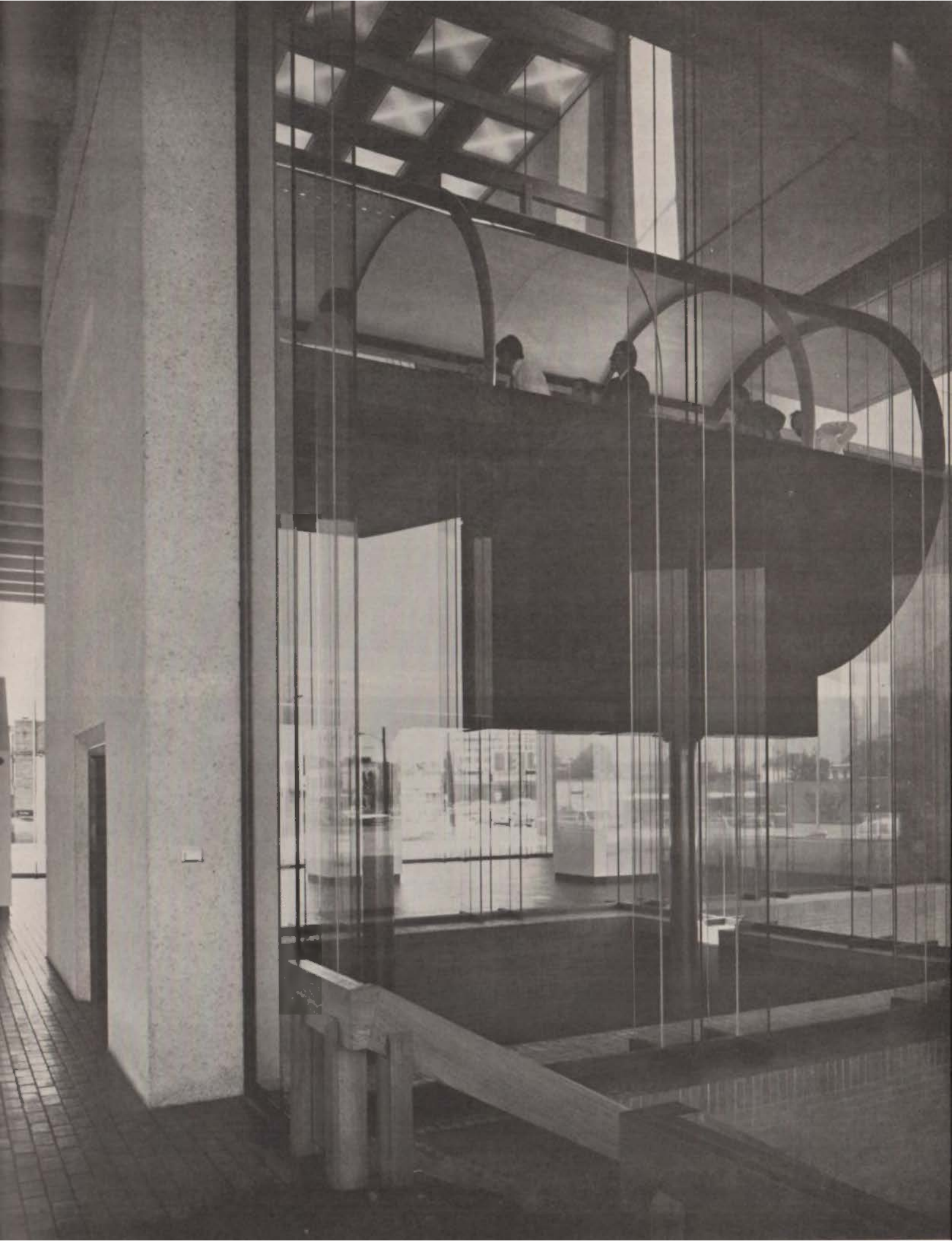
ROBERT O. BIERING, HOUSTON LIGHTING AND POWER CO., ASSOCIATE ARCHITECT



This energy control center, located on a two-block downtown urban site, was designed to provide efficient, flexible and attractive space for a major energy company, Houston Lighting and Power. The four-level building houses the most advanced equipment available, but the design solution will permit growth in the present system and allows as much as possible for changes in concepts as the state of the art advances.

The two city blocks occupied by the Polk Substation and the Energy Control Center were developed as one integral environment. A warm, rich-toned brick was used on both blocks for all paving and free-standing walls, providing continuity of color and texture. Viewed from the ECC side, the powerful geometry and scale of the substation complements the full visual experience. Unity of design inspires a feeling of "place." The control center has bold, clear spans supported on four service cores. Sandblasted concrete with finished texture is the major material. A large ground-level plaza, which contains an educational exhibit for public viewing, utilizes large areas of glass walls. Courtyards open off the lower level, (continued on page 10)





providing natural lighting and landscaping. A 28-seat elevator conveys visitors on tours of the building.

Building function lends itself to a two-element form. For security purposes, operations and control activities are housed on the upper two floors and the support staff on the lower levels. The lower element also houses environmental control systems and a public assembly room.

STRUCTURAL DATA

Four support pods are used, each with an arm reaching out to pick up the major floor and roof framing. Using a 45-foot cantilever allows the center of gravity to remain within the pod. Walls and footings are post-tensioned to equalize the building's overturning tendency. Pod footings are five feet deep and trapezoidal in shape. The largest footing is 66 feet 6 inches. Its width varies from 13 feet 6 inches at the heel to 26 feet 8 inches at the toe. Girders four feet deep and five feet on center span the cantilevers. The structure is exposed and air and power are distributed through an air/electric floor system.





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For any information concerning the utilization of natural gas, contact the technical advisor of your gas utility.



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*Visiting customer comment.

10 businessmen talk about their architects.

With this issue, *The Texas Architect* includes two commentaries on the value of architectural services from the client's point of view. These actual case histories are reprinted from the American Institute of Architects publication "10 Businessmen Talk About Their Architects." Others will appear in future editions.

Introduction

"So I go to an architect and get a fancy building. It takes forever to put it up, it costs me a fortune, and what do I get? A fancy building.

"I go to a builder and I get a plain, simple building. Four walls and a roof. It's cheap, it goes up fast, and it does the job. Look. I've got a business to think of. Can I afford to waste money on a fancy building when a plain one will do just as well?

A fair enough question, and one that a lot of businessmen are asking these days. But it is a difficult question for us to answer

because, as architects, our arguments are obviously suspect. There are figures to prove that engaging an architect does not necessarily mean that your building will cost more, or take longer to build. But there are no figures to prove how much a building designed by a qualified architect can do for your business. Or that a well designed building that **does** cost more than a plain four walls and a roof is actually a good investment. And so we have asked 10 architects' clients to do our arguing for us, simply by openly and candidly describing their own experiences. These clients represent as wide a range of business types as possible (and include one county government, on the theory that at the local level at least, government and industry share many problems.)

Hopefully you will find that at least one of them is in a situation similar to your own. But even if you do not, we are sure you will find what they have to say interesting. We hope you will also find it persuasive.

5.

CASE HISTORY

Client: Lawrence L. Spitters
President
Memorex Corporation
Building: Administration and Manufacturing Facility
Santa Clara, California

"In 1969 we were spread out in several widely dispersed and inefficient facilities, and were very much under pressure to bring our operations together. Our business was growing so fast that there was just no way of satisfying our needs other than having a larger facility constructed, and constructed on time. The alternative would have been to compromise our operating plans, or to pursue those plans at prohibitive cost.

So we were anxious to get some buildings up, but the architect insisted we spend what seemed like an inordinate amount of time on master planning. In retrospect, there was no better way the time could have been spent.

First of all, the master plan enabled the architect to work out a modular approach to the buildings — all the buildings — so that every unit of construction could go up very quickly. For example, **thanks to the master plan, the steelwork was so simple that it went up like a tinker toy.** As a result, the steelwork for any given building took only about three weeks. One incidental benefit of this was that with each phase of construction, costs began to get lower, in spite of a general increase in construction costs in the area, as the subcontractors became familiar with the systems of design.

With the master plan the buildings could be constructed in a very orderly and disciplined fashion. We were building a 750,000-square-foot building complex which included manufacturing and research facilities as well as our corporate headquarters. Without the master plan it would have been a hodgepodge. Further, a lot



of decisions had to be made that could have been very vexing and time-consuming. But because of the master plan, these things were treated in a very simple and businesslike manner as they arose. Even before they arose, frequently, because the master plan anticipated many problems.

We were also able to telescope a lot of our activities. We started breaking ground while we were master planning, and began construction on the first buildings while doing the detailed drawings on the others. The first building was turning out computer equipment about nine months from the time construction started, and the whole project was finished less than two years from the time we acquired the land.

We were specifically concerned to have a corporate headquarters that would be an image. A long time ago I became convinced that it's no more expensive to put up a fine looking building than a pedestrian one. And in our case, the very things that made it economical also made it beautiful. The master plan and the modular construction. They give the buildings a uniformity and a discipline you can feel as you walk into the complex."

Client: George Warren
 County Commissioner
 Palm Beach County
 Building: S.E. Palm Beach County Branch Office Complex
 Delray Beach, Florida

"We needed this building because of the growth explosion that's going on here in this south county area. We wanted to set up satellite operations for the various county functions.

So we commissioned the architect to put up a building to house the health department, the welfare department, the sheriff's office, and various administrative offices, as well as a small courtroom.

Of course, **like everybody else, I expected a straight up-and-down building with a different department on each floor.**

But he came up with this idea of putting out wings for each department, with a center core where we have an information center on the ground floor, and courtrooms on the second. This has proven to be a pretty nearly perfect solution. Anybody who doesn't know where he has to go can come into the center core and find out.

But of course, anybody who knows where he has to go, can go right there without going through the center core. Each wing has its own entrance and its own parking lot. That not only makes it nice for the people coming in, but the building can handle a lot more people than it could if they all had to go through the lobby of a straight up-and-down building.

Another thing: the building has only been up a year-and-a-half, and we already have to expand it. Well, this design makes expansion very easy and very inexpensive. In fact, one of the reasons for the design was that we knew we'd have to expand some day. When the design was started, we didn't know

how soon that was going to be, but we found out soon enough. The building was crowded the day it opened.

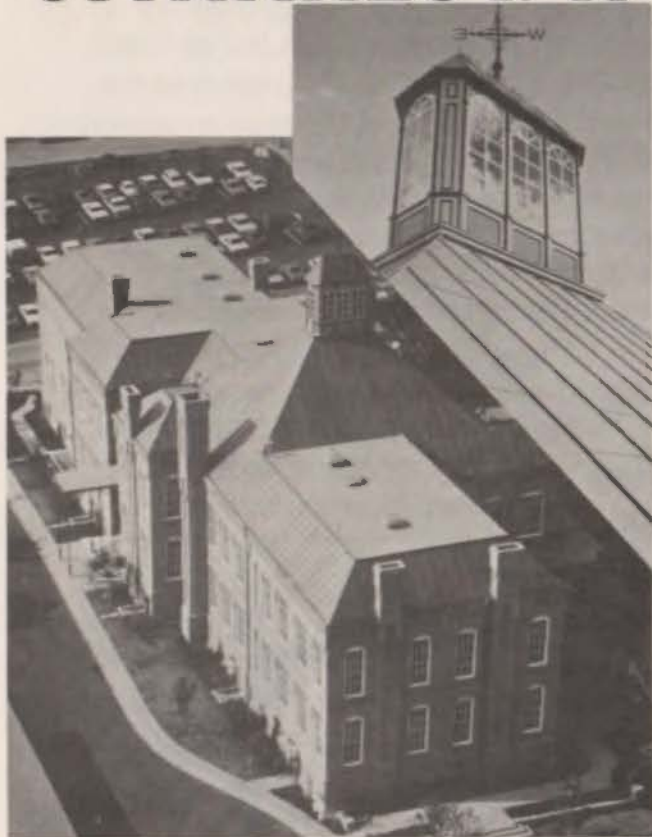
Well, with this design we can add a second floor to any wing that needs expansion. Or to all of them. And when the second story gets crowded we can extend the wing. Or add on sideways.

So there's no question that the design of the building is making it work more efficiently.

But it's a very good looking building, too. Everybody's very happy with it, particularly since it went up within the budget."



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GILBERT GARZA DIES

The Texas Society of Architects regrets the loss of Gilbert Garza, AIA. Garza suffered a heart attack while presiding as Mayor Pro tem during San Antonio's city council meeting November 9 and died two days later. He was 44.

Garza distinguished himself as a citizen and as an architect. His firm pioneered the use of pre-cast concrete modular construction that resulted in the Hilton Palacio Hotel in San Antonio and other major structures. He was elected to the San Antonio City Council in April 1971, and later selected as Mayor Pro tem by his fellow councilmen.

Born of an immigrant family from Mexico, Garza entered the profession as a draftsman without university training, yet won the admiration of his professional acquaintances and was highly regarded by those who knew him.

EMORY WHITE DIES

Emory S. White, AIA, died on Christmas day in Houston.

White was well-known as a school architect in East Texas, having practiced in the area since 1929. In 1955, he formed a partnership with Arne G. Engberg and retired in 1969.

The firm name continued as White, Engberg & Associates until January. The new firm links all the partners' names—Engberg, R. Bruce, Simmons, George P. Cavitt, John Lyndon McKnight and Allen G. Weymouth—as ENGBERG, SIMMONS, CAVITT, MCKNIGHT & WEYMOUTH.

TEXAS ARCHITECT

INVOCATION

RABBI FLOYD S. FIERMAN

The circle, the vertical, the horizontal, the interesting lines forming the angle, are all manifestations of nature. It is with these gifts that man has shaped his "house of work," his "house of rest" and his "house of prayer."

It is the unusual Figure that brings joy to the somber soul. It is the Design that relieves man's monotony. God appears in the beautiful, not in the miracle. The Creator is discovered in the "three dimensional seeing eye" as well as in the "many dimensional hidden heart."

We thank our Godly Creator for encouraging man to relieve boredom with the artistic. He has taught man to skyscape with steel and mortar and to landscape with brick and color. Nature's example has taught us that tedium and tension can be overcome by bending lines and forming shapes.

The goal of the architect is to beautify the day and to illuminate the night. He is the poet of the horizon. AMEN.



TSA ANNUAL MEETING-EL PASO

PITTS AWARD

Daniel Boone, FAIA, was the 1972 recipient of the Llewelyn W. Pitts Award. Established in 1967 to publicly recognize architects who, by their example and service, have made significant contributions to the profession, the award is made for exemplary performance as an architect and for dedicated service to the profession or architecture.

Boone is a past president of the Abilene Chapter, AIA, a past president of the Texas Society of Architects, has served as treasurer and chairman of the National Council of Architectural Registration Boards, and as chairman of the Texas Board of Architectural Examiners. He is now completing his term of service as a member of the Board of Directors of the American Institute of Architects, where, in addition to many commission assignments, he serves as chairman for Public Relations.



DANIEL BOONE FAIA

An aerial photograph of the city of El Paso, Texas, showing a dense urban area with various buildings and a prominent mountain range in the background under a clear sky.

TSA ANNUAL MEETING-EL PASO

CITATIONS OF ORGANIZATIONS

TEXAS INSTRUMENTS

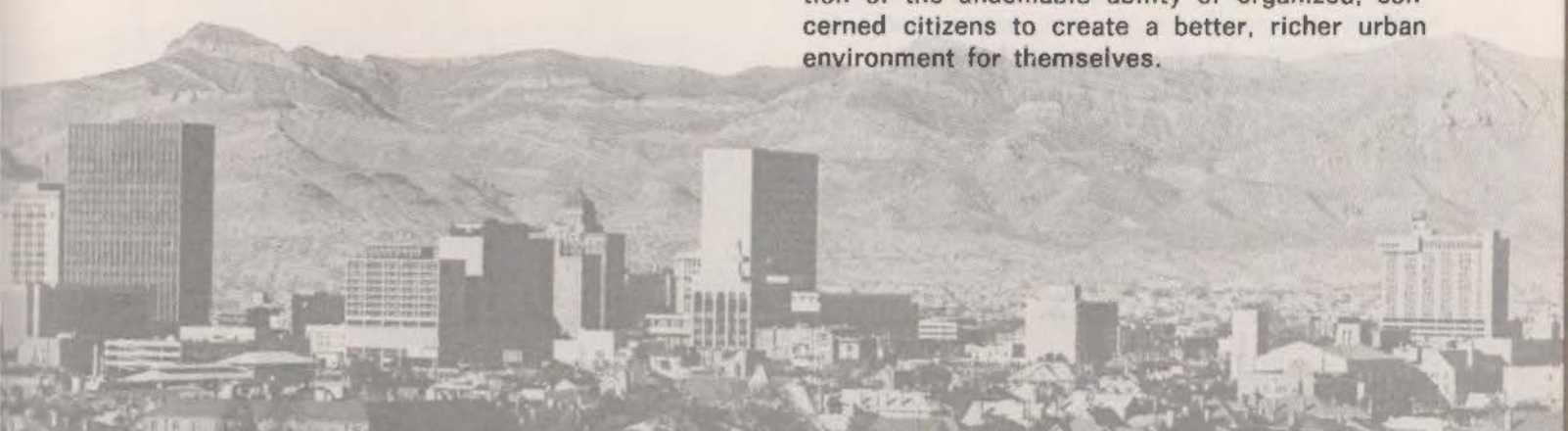
Demonstrating a corporate policy dedicated to achieving excellence in its architecture, Texas Instruments distinguishes itself and sets an admirable example. Their building becomes far more than a business shelter, contributing, by virtue of discriminating and sophisticated understanding of social responsibility and of architecture, to the ecocultural life of their host community.

In presenting this Citation, the Texas Society of Architects commends Texas Instruments as a business organization consciously, and with success, contributing through distinguished art and architecture to the well-being of Texas.

FORT WORTH STREAMS AND VALLEYS COMMITTEE

Fort Worth was founded at the confluence of two forks of the Trinity River which then was a natural environmental corridor meandering through the city. That was long ago. The Fort Worth Streams and Valleys Committee accepted the challenge to reclaim the river as an integral part of the city, to make its banks hospitable, to bring people back. Their progress deserves our accolade.

In awarding this Citation of Honor, the Texas Society of Architects not only commends the Fort Worth Streams and Valleys Committee for its specific accomplishments, but for its demonstration of the undeniable ability of organized, concerned citizens to create a better, richer urban environment for themselves.



TSA ANNUAL MEETING-EL PASO

CITATIONS OF HONOR

MR. AND MRS. JOHN DE MENIL

John and Dominique de Menil exert a gentle, meaningful influence on the life of Houston. A sense of elemental civilization toward education and the culture of the city sets in motion irreversible progress.

Significant among the specific works they have together supported are The Houston Museum of Fine Arts, the University of St. Thomas and the Rothko Chapel. Mr. and Mrs. de Menil nurture dedication and devotion to the extraordinary in ideas and ideals.

The Texas Society of Architects is pleased to present a Citation of Honor to Mr. and Mrs. de Menil for their contributions at many strata and scales towards the enrichment of life and art and architecture in Texas.

GERALDINE E. WATSON

The Big Thicket is one of the most unique ecological areas in the United States. Geraldine Watson was among the first to lead the fight for its preservation as a national park. Through the long and sometimes discouraging campaign for the park, Ms. Watson has been a steady, knowledgeable and effective voice in its behalf.

In presenting Geraldine Watson a Citation of Honor, the Texas Society of Architects commends her dedication to the conservation of this national heritage and reaffirms its own commitments to the creation of the Big Thicket National Park.



TSA ANNUAL MEETING-EL PASO

HONORARY MEMBERS

BUCK SCHIWETZ

The heritage of our unique state lives in many ways, but few give more pleasure than the drawings of Buck Schiwetz, perhaps especially to our architects' egos and sensibilities. Yet far beyond the drawings themselves, Mr. Schiwetz's work has leaned gently but constantly on the attitudes of Texans to bend them toward an appreciation of their history and a will to preserve its evidences. Only infrequently does delight occasion such perceivable cultural result. In electing Mr. Schiwetz to Honorary Membership, the Texas Society of Architects records its admiration for the artist and his contribution to the conservation of our historic resources.

TOM LEA

With his rare talent, Tom Lea has brought Texans, particularly, a sense of regional characteristic and pride subtle but rewarding. His paintings speak in meaningful and available language of the essence of the artist to reinforce and expand an atmosphere in which civilization roots and grows. In naming Tom Lea an Honorary Member, the Texas Society of Architects seeks to pay homage to a great artist, and a man whose sense of history and humanity has enriched us all.

E. G. SPENCER

The support and cooperation of many segments of the construction industry is an essential and integral part of the profession's ability to maintain its vitality and ability to function. In addition to having long served as the principal representative of Consolidated Tile in its active and long-standing support of architectural education in Texas through its generous gifts to the Texas Architectural Foundation, "Spence" has personally earned an unparalleled reputation for cooperation with, and concern for, the commitments of TSA. Through his election to Honorary Membership, the Texas Society of Architects seeks to commend the active involvement of industry with the professions which he personifies, and his own individual achievements for, and regard by, the architects in Texas.

ROBERTA P. DICKSON

Bobbie Dickson's long-standing personal involvement has maintained and improved the character and quality of the City of Austin. She has been a dedicated and steadfast protector of its unique park system, a leader in the arts, and an initiator of conservation of the city's natural surroundings and of its symbolic heritage. Ms. Dickson exemplifies "the responsibilities of citizenship," the force for improvement available to our community through dedicated and enlightened individuals. Her contributions to the quality of life in Austin through her civic leadership, work in the field of environmental improvement and her dedication to her city as a human habitat are applauded by the profession which honors itself by her election to Honorary Membership in the Texas Society of Architects.

TSA ANNUAL MEETING-EL PASO

MONARCH—MARSHALL SCHOLARSHIPS

Scholarships, provided by Monarch Tile Manufacturing, Inc., of San Angelo and Marshall Tiles, Inc. of Marshall, Texas, have been presented to Miss Andrea C. Holman of Texas Tech University, Lewis D. Osterman of Texas A&M University and Wayne J. Trull of the University of Houston.

The scholarships were announced at the annual awards luncheon of TSA in November.

Ms. Holman, of Amarillo, was named the state-wide winner of the James D. Witt Memorial Scholarship in Architecture. Osterman, of Dana, Ill., received the Bill C. Baker—Monarch Tile Memorial Scholarship in Architecture and Trull, a native of El Dorado, Arkansas, received the W. A. Darby—Marshall Tiles Memorial Scholarship in Architecture.

DON ANDERSON JR.

Don Anderson, Jr. has joined Neuhaus + Taylor, Architects and Planning Consultants.

Anderson was formerly associated with the Austin Company, engineers and builders.

A graduate of Texas Tech University with a Bachelor's Degree in architecture, Anderson was a project architect from 1967 to 1969 with the Benaroya Company, architects and builders, headquartered in Seattle, Wash.

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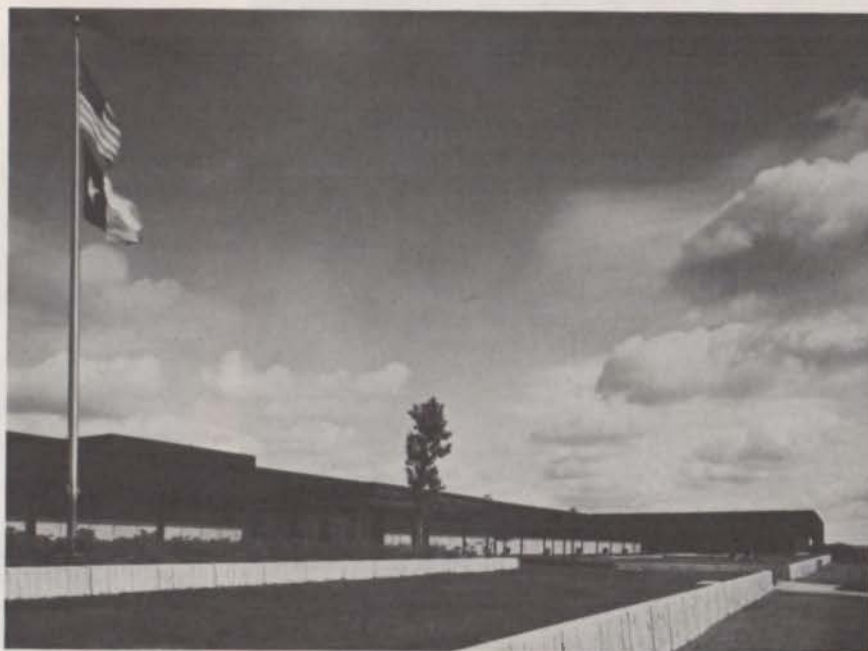


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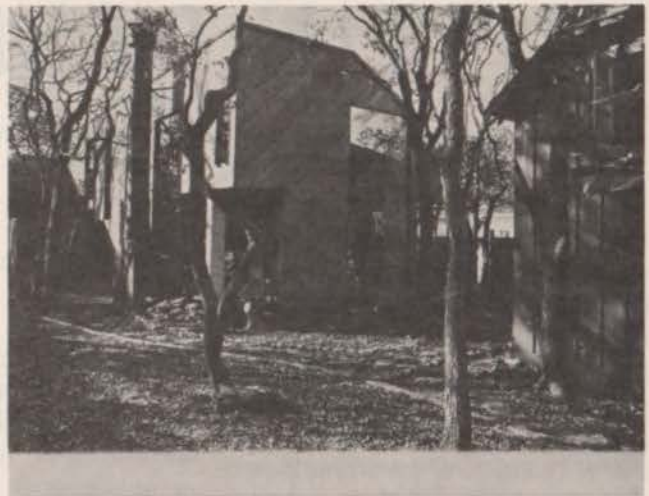


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Dresser Tower/Cullen Center Utilizes Stub Girder Design for Maximum Economy

The 40-story Dresser Tower/Cullen Center will be the newest addition to the Houston skyline. Over 12,000 tons of Mosher fabricated steel will be used in this project. By utilizing a stub girder design, maximum economy is achieved with longer and lighter beams. The long and short of it . . . achieving maximum economy and speed of construction through steel design. Mosher fabricated steel helped make it possible on the Dresser Tower/Cullen Center.



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OPENINGS AT DEL MAR

Jim Boggs, AIA, chairman of the Department of Architectural Technology at Del Mar College in Corpus Christi, has announced two openings on the faculty there.

Boggs states the positions there require three to four years experience in an architectural firm, with field and technical work preferred over a design background. Pay scale is good and registration desirable. Age is not a deterrent.

"This is a good opportunity for a young architect recently registered or an older practitioner who is ready to slow down and teach," Boggs said.

Contact Boggs at Del Mar College, Baldwin and Ayers Streets, Corpus Christi, Texas, 78404. The telephone number is Area Code 512/882-6141.



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TEXAS ARCHITECT

The Texas Architect Index 1972 was compiled by Nancy R. McAdams, AIA, associate director of General Libraries, and Kelly R. McAdams, AIA assistant professor, School of Architecture, The University of Texas at Austin.

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The index is in two parts: Subject Index and Name index.

The Subject Index is arranged in alphabetical order by the subject category of the article or news item. Within each subject category, entries are grouped:

- (1) in alphabetical order according to the place name (those entries not having a place name being listed first);
- (2) then in alphabetical order according to personal or firm name (those entries not connected with a name being listed first);
- (3) then in alphabetical order according to the title or topic of the article or news item.

The Name Index lists personal or firm names in alphabetical order, with the articles or news items for each name arranged in order of the date of their publication.

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