

 THE TEXAS
ARCHITECT



The Texas Regional Organization of The American Institute of Architects

James D. Pfluger, AIA Editor
Taber Ward Managing Editor
Benny L. Canizaro Associate Editor
V. Raymond Smith, AIA Associate Editor

904 Perry-Brooks Building, Austin, Texas

Published monthly by the Texas Society of Architects in Austin. Subscription price, \$3.00 per year, in advance. Copyrighted 1951 by the T.S.A., and title registration applied for with the U.S. Patent Office.

Editorial contributions, correspondence, and advertising invited by the Editor. Due to the nature of the publication, editorial contributions cannot be purchased. Publisher gives permission for reproduction of all or part of editorial material herein, and requests publication credit be given THE TEXAS ARCHITECT, and author of material when indicated.

Appearances of names and pictures of products and services in either editorial copy or advertising does not constitute an endorsement of same by either the Texas Society of Architects or the American Institute of Architects.

TSA OFFICERS FOR 1971

- Thomas Bullock, Houston President
Preston M. Geren, Jr., Ft. Worth President Elect
Harold Box, Dallas Vice President
Johonie Fields, Odessa Vice President
Harvey Marmon, San Antonio Vice President
Jay Barnes, Austin Secretary-Treasurer
Daniel Boone, Abilene Regional Director
Doug Steinman Jr., Beaumont Past President
Don Edward Legge, Austin Executive Director

TSA DIRECTORS FOR 1971

- Richard Buzard Abilene Chapter
Fred W. Day Austin Chapter
Ed Romieniec Brazos Chapter
John M. Olson Corpus Christi Chapter
David Braden Dallas Chapter
David E. Hilles El Paso Chapter
Robert Chambers Fort Worth Chapter
Benjamin E. Brewer Houston Chapter
Marvin L. Boland, Jr. Lower Rio Grande
Atmar L. Atkinson Lubbock Chapter
Ann Bintliff Northeast Texas Chapter
Vernon Helmke San Antonio Chapter
Charles Bullock Southeast Texas Chapter
Jimmy E. Bailey Texas Panhandle Chapter
Douglas Hearn Waco Chapter
Daryle Hohertz West Texas Chapter
Charles Harper Wichita Falls Chapter
Reggie Smith ASC/AIA Austin Chapter

COVER PHOTO & PAGE 3

A paved plaza with canopied interior-exterior entry court provides transition from the rolling site of the new College of Law on the University of Houston campus. Structure is the first of a five-phase expansion program.



7 "Ysleta del Sur Pueblo Community Building" may be the oldest building in Texas. Constructed between 1682 and 1690 to house missionaries and Tigua Indians working on building the nearby Ysleta Mission, the structure has been restored by the State Building Commission.



10 Congressman Jim Wright discusses "A Broader Role For Highway Programs" in a recent address on changing national priorities.

12 Noise, like smog, is a slow agent of death. If it continues to increase for the next 30 years as it has for the past 30, it could become lethal.

17 In the 1870's, Texas was experiencing inward expansion and many people migrated from the coast inland. New railroad tracks and telegraph lines marked the way for settlers. This was the case when the railroad started laying track from Galveston to San Antonio. Flatonia was one of dozens of small communities developed in 10 to 15 mile intervals along the track path.



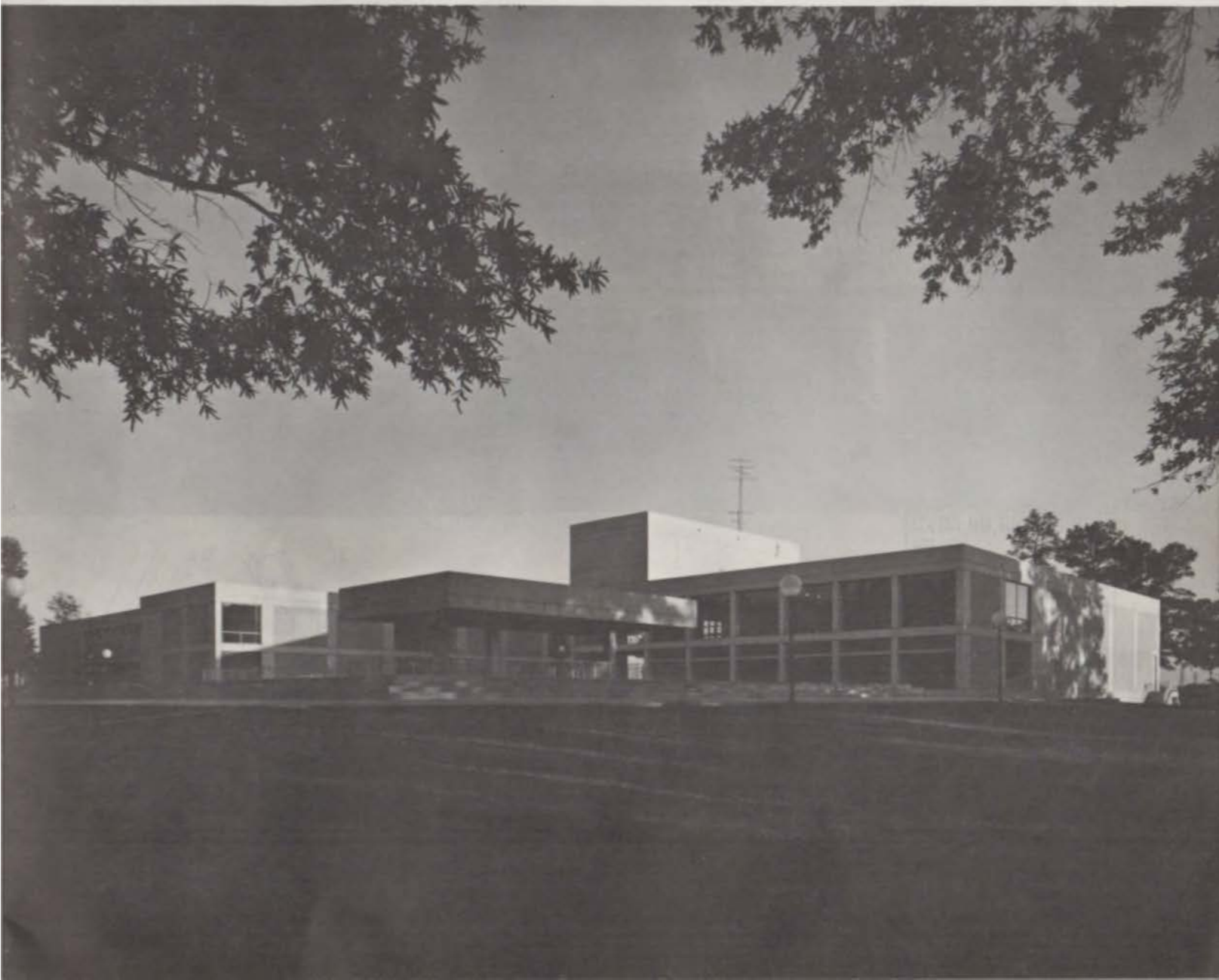
- p. 14 - Jones Blair Company
p. 14 - Josam Manufacturing Co.
p. 16 - Mid States Wire and Steel
p. 21 - Texas Gas Utilities Cooperative
p. 22 - Coever Industries
p. 23 - Monarch/Marshall
p. 25 - United Sprinkler

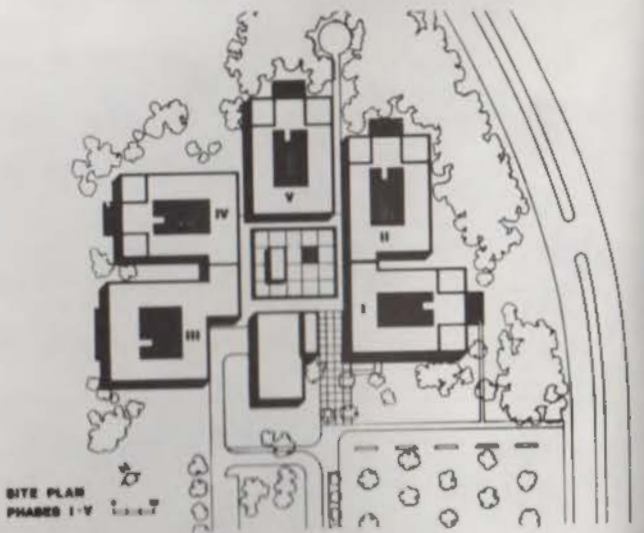
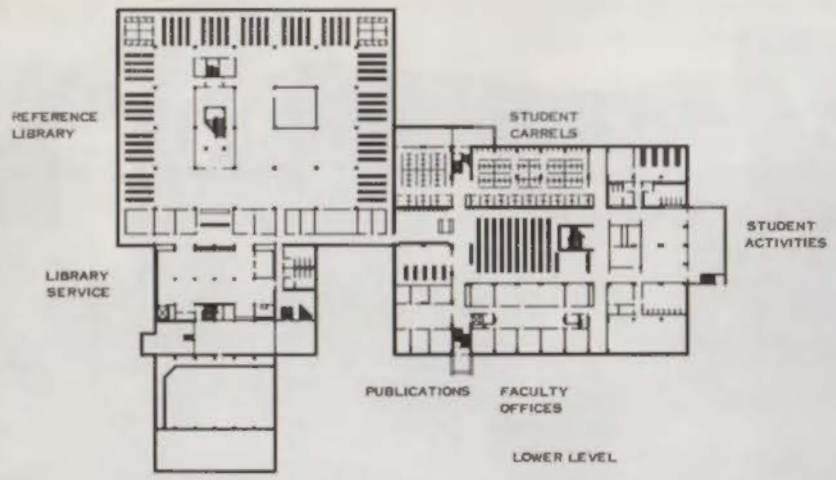
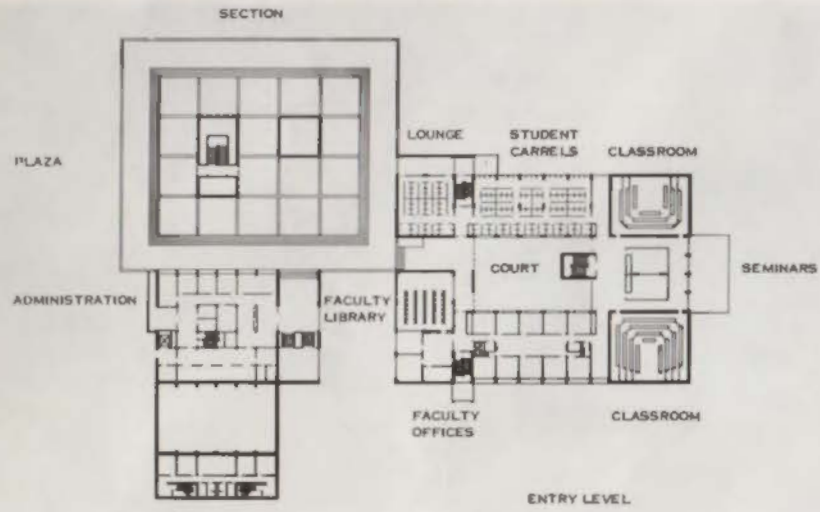
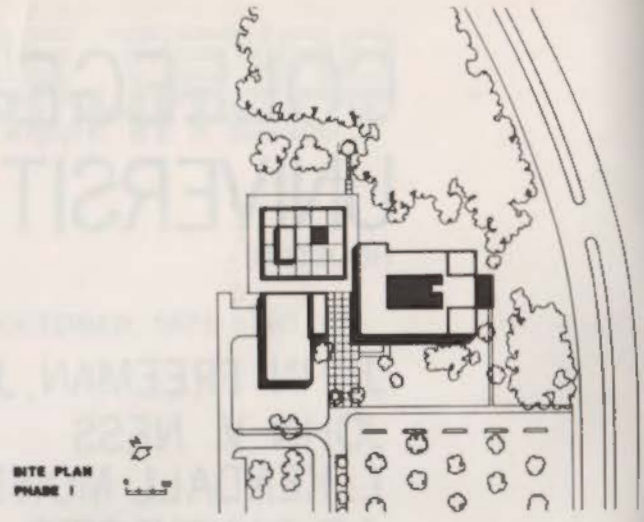
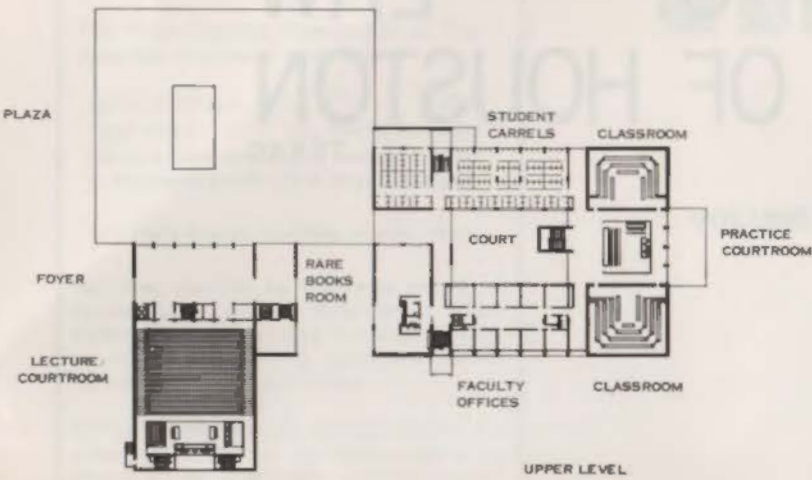
COLLEGE OF LAW
UNIVERSITY OF HOUSTON
HOUSTON TEXAS

JOHN FREEMAN, JR.
JOHN V. NESS
L. KENDALL MOWER
ARCHITECTS

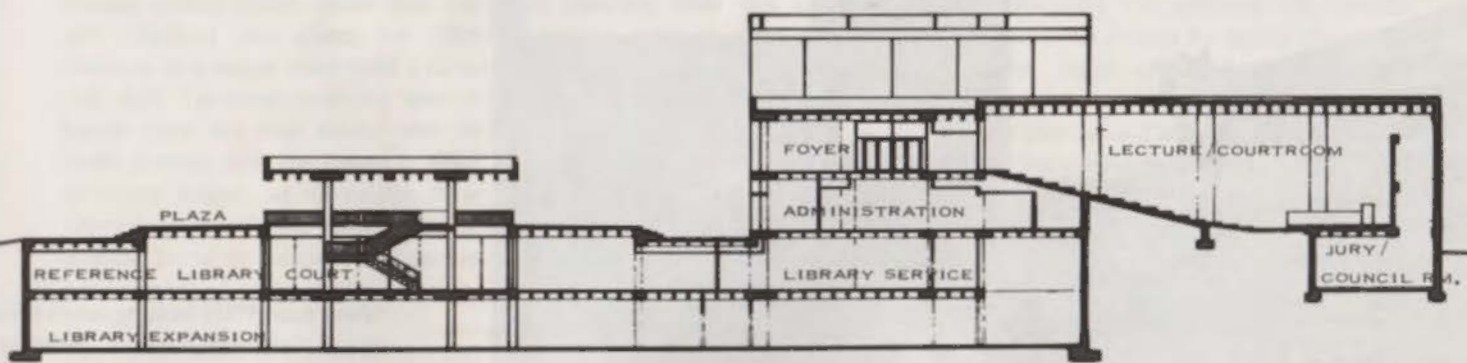
HONOR AWARD • TEXAS ARCHITECTURE 1970

PHOTOGRAPHS BY RICHARD PAYNE





LOCATED ON A SIX ACRE CORNER OF THE UNIVERSITY OF HOUSTON CAMPUS IS THE FIRST PHASE OF A FIVE PHASE COLLEGE OF LAW, COMBINING AN INNOVATIVE ACADEMIC GROWTH PLAN WITH THE PROVISION OF SPACES FOR A "CONTINUING DIALOGUE" PHILOSOPHY OF TEACHING. THE PEDESTRIAN SCALED COMPLEX OF BUILDINGS IS GROUPED AROUND THE SUNKEN REFERENCE LIBRARY, THE ROOF OF WHICH BECOMES A PEDESTRIAN PLAZA. THE FIRST TEACHING UNIT, ACCOMMODATING 500 STUDENTS AND 30 FACULTY, IS DESIGNED WITH ITS OWN TEACHING LIBRARY AT THE CENTER AND WITH FACULTY, STUDENTS AND "U" SHAPED CLASSROOMS AROUND THREE SIDES. A STUDY CARREL IS PROVIDED FOR EACH STUDENT. ADMINISTRATION AND LECTURE HALL SERVE THE ENTIRE FUTURE COMPLEX. THE STRUCTURAL SYSTEM IS SAND-BLASTED CAST-IN-PLACE CONCRETE COLUMNS AND POST-TENSIONED PRESTRESSED BEAMS AND SLABS. WALLS ARE PRECAST CONCRETE IN-FILL PANELS. FLOORS ARE CARPET AND BRICK PAVERS. HVAC IS A DOUBLE DUCT HIGH VELOCITY SYSTEM WITH CENTRAL PLANT COOLING AND HEATING.



View of Teaching Unit Courtyard showing open circulation areas allowed by Houston's mild climate. Formwork was carefully coordinated so that form ties inherent in poured-in-place concrete would create a logical visual texture.



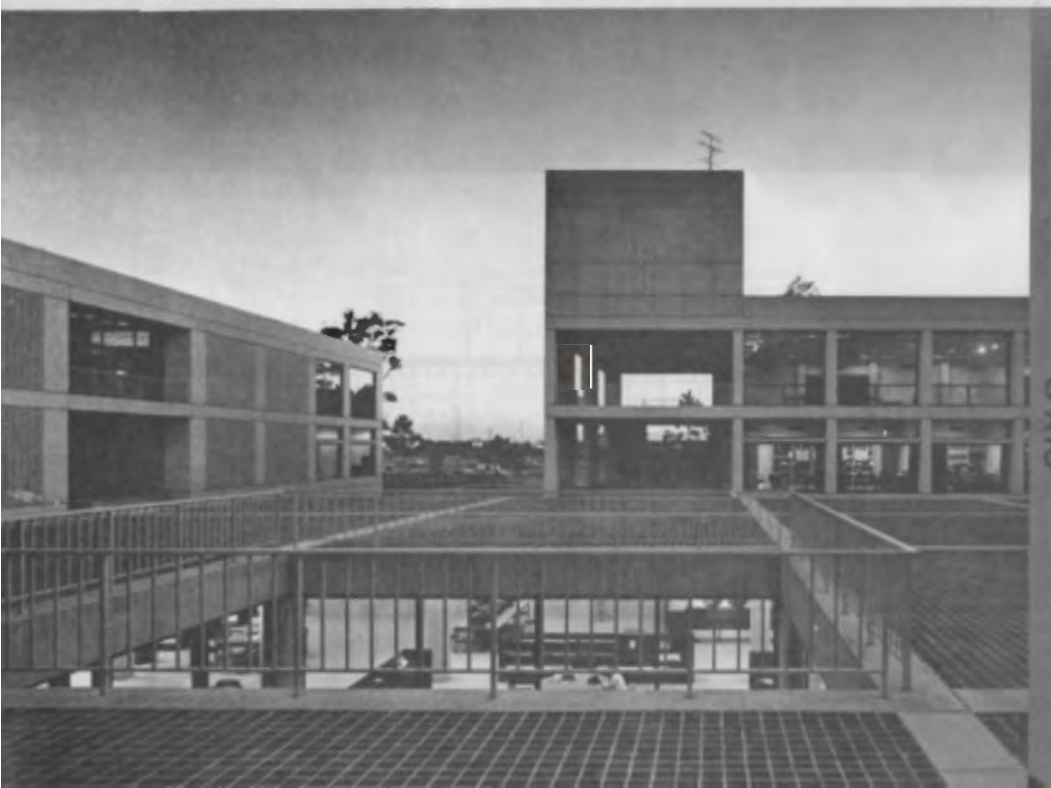
TYPICAL CLASSROOM



FOYER TO LECTURE/COURTROOM



LECTURE / COURTROOM



View from Plaza looking south toward open Reference Library. Building in background houses Lecture/Courtroom and Administration offices.

TEXAS ARCHITECT



YSLETA del SUR PUEBLO COMMUNITY BUILDING

It may be the oldest building in Texas. It is typical of the earliest type of permanent construction in the Southwest. It has just been restored by the State Building Commission in a most authentic manner. It houses one of only two recognized Indian tribes in the State of Texas — the Tigua Indians. It was originally built by the Tigua Indians with the help of Spanish Missionaries. It was reconstructed with the help of these same Indians!

The building was originally constructed by the Tigua (pronounced Te-wa) Indians of Ysleta Pueblo, El Paso, Texas, who are a displaced portion of the Tiwa people of the Isleta Pueblo near Albuquerque, New Mexico. Archeologists can trace the Pueblo Indian culture back past the cliff dwellers era about the 13th Century to a period from 1500 B.C. to 300 A.D. Coronado and his Spanish forces were the first white men to make contact with the Tiguas at what is today known as Bernalillo, New Mexico in 1540. He found people already living in towns or villages in houses made of adobe or stone.

The Commission of Indian Affairs and the Tribal Council have adopted a long

range master plan for development of the human and economic resources of the Tigua Indian Community which is aimed at making the tribe self-sufficient within the shortest possible period of time. (Self-sufficiency is defined in this case, as meaning both the capacity and financial ability to carry out their own programs of education, health, housing and economy).

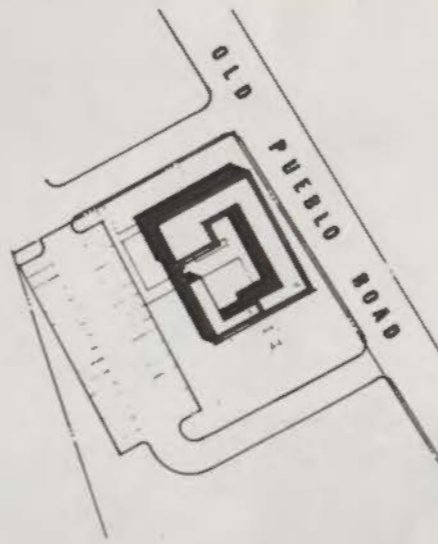
According to Tigua oral traditions carried forward over the years by the "Caciques", (chiefs), as well as data contained in the Manchero Report of 1744, Hackett and Bandelier-1937, pages 406-7; Gerado Decorme S. J. 1760, and Bishop Pedro Tamaron of Durango and in the original Spanish

Grant from Diego de Vargas 1692 to Fray Joaquin Ynojosa, El Paso, and Deed Records No. 98115, Book 287, Page 298, the original building and subsequent additions were established between 1682 and 1690. It is important to note that at this time, saws were not available and timbers had to be shaped by means of an adz. The walls are of ancient adobe construction — 14" to 18" thick with an additional 2" to 4" of adobe plaster utilizing river clay and wheat straw. The roofs were made by placing "Tule" (river cane leaves) over "Hara" (3/8" to 3/4" diameter willow branches) over "Vigas" — 10" to 12" diameter dried cottonwood and pine logs with the bark peeled off.

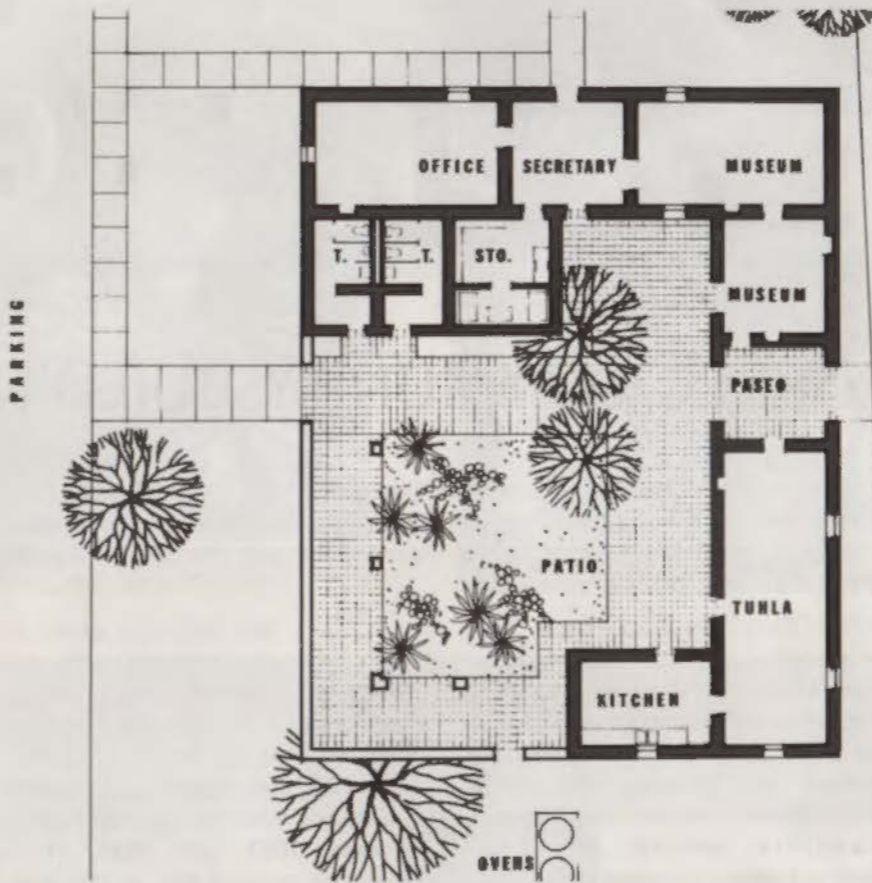
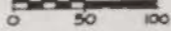
(Continued on next page.)



YSLETA MISSION



SITE PLAN



In carrying out the restoration, great care was taken to preserve the original construction characteristics and to utilize, whenever possible, the original materials. Except for the addition of certain necessary conveniences, the building stands today as it did 260 years ago. Originally, it was utilized to house the missionaries and Tigua Indian workers who were building the nearby Ysleta Mission (1692). Later, additional rooms were added and the structure was used as a convent, school and fortress for protection from raiding Mescaleros and Apaches. The partially covered patio was used as a corral for livestock, the basic prey of the raiding Indians.

In its restored state, it will be used for tribal meetings and as an Indian museum. The photographs show the types of adz-hewn beams and lintels as well as the typical vertical Indian fire places.

Wherever possible, the reconstruction contractor employed Tigua Indians nearby for restoration work. The work was issued by the State Building Commission and carried out under the guidance of H. M. Bart Fischer, Architect, El Paso, Texas and Alton Griffin, Superintendent of the Tigua Indian Community.



Photographs by PRINCE GEORGE MCKENZIE, EL PASO, TEXAS



A BROADER ROLE FOR HIGHWAY PROGRAMS

BY CONGRESSMAN JIM WRIGHT

Long time member of House Public Works Committee, Congressman Wright of Ft. Worth has given effective leadership for sound federal highway programs. His remarks here are adapted from an address on the subject of changing national priorities. Recently Congressman Wright was named chairman of the House Public Works Sub-Committee on Investigation and Oversight, given the function of seeking ways to enhance the effectiveness of some 15 billion public works projects each year and suggest means for improving administrative procedures. Reprinted with permission from "Texas Parade" Magazine.

THE HIGHWAY program in this nation is changing in subtle but dramatic ways. This does not mean the end of the highway program, nor that it will be downgraded and de-emphasized. In a country which values the freedom of automotive mobility more than any other on earth, the only way to end the need for modern, functional highways would be to stop the purchasing of cars. And this simply isn't going to happen.

The program, nevertheless, is under attack by a new breed of sociologists, ecologists and Waldensian reformers. To pretend that this were not so would be folly. Some are clamoring to divert the National Highway Trust Fund into local mass transit programs. In some of our larger cities, there is growing resistance to urban expressways. Office seekers increasingly resort to invidious rhetoric about "paving the whole country over with concrete." These attitudes, if essentially negative, are born of frustration over our apparent inability to solve newly emerging social problems.

The nation's highway program, with the application of sufficient vision, can help to *ease* rather than aggravate these problems. But we must see it in a new perspective. A nation's transportation system, after all, serves a very basic social as well as economic function. Highways can help to broaden rather than limit the freedom of the individual, enlarge rather than dwarf his outlook, supply his need for inspiration as well as mobility—for space and recreation and creative contemplation. It should not be surprising that the highway program, so integral a part of our whole life should undergo a change in outlook.

Its initial concept, in the middle 1950s, the Interstate Highway Program, faithfully reflected our national domestic preoccupations and priorities. The Program was the most dramatic single expression of our postwar economic and social outlook: our drive to build the domestic economy . . . our pride in the growth of our cities . . . our demand for speed and mobility . . . our attachment to the automobile

as the symbol of family affluence . . . our obsession with bigness and numerical quantity . . . and a vaguely felt concern for national unity.

All of this was implicit in the Interstate Highway Act of 1956. Its execution has been faithful to its mandate.

In the intervening years, while we have feverishly striven to complete this network of concrete, there have been changes—both subtle and sudden—in our national goals. It is altogether natural that new shifts in national emphasis—and new tugs upon the national conscience—would superimpose themselves upon the highway program, giving it new dimensions if not a new direction.

Highway transportation is far too integral a part of our national life to function as a separate entity. It cannot exist in an airtight compartment. For better or worse, it influences the whole environment—profoundly.

The highway program of the future, then, must contribute to the harmony of the total environment. As so primary an expression of the public policy, it must facilitate—not frustrate—the ever-changing aspirations of our people.

Let us look, then, to the newly emerging scale of American values.

The city today is our number one public headache. During the 1960's, the burgeoning bigness of America's cities ceased to be a boast and began to be a curse. More and more Americans are trying to escape from the asphalt jungle and the neon wilderness. But still the cities grow—or sprawl.

The vitality of the inner-city, once aided by highway traffic, has begun to suffocate, strangling from crowding, clutter, and traffic congestion. The freedom and dignity of the individual, so long symbolized by his automotive mobility, actually suffers today from the glut of traffic, the noise of traffic, the fumes of traffic, which increasingly

inhibit his life in the central city.

Americans, surrounded and surfeited by quantity, are questing anew for quality in their environment. Let me give one illustration.

One generation ago, the cry for pure air, pure water, noise abatement, open spaces and scenic preservation would have sounded a little silly to the average American. Today that cry is an insistent popular clamor. In a few years, it will be an imperative public demand.

The new American emphasis is upon quality rather than quantity, upon beauty as well as business, upon conservation as well as commerce, upon scenery as much as science, upon people as much as progress. All of it has something to do with the question of environment. This is the cry of the Seventies.

America must grow, and America will grow. Highways will stimulate and expedite that growth. But as we grow we must not, simply in the name of headlong progress, ignore the human values which have given flavor and character to American life.

Each of these newly enunciated goals is a challenge to state highway planners. Congress has seen these growing imperatives of the American people as "through a glass darkly." We have groped for words and means to give them expression.

But the Congress at best can provide only the skeleton framework for the highway system of the future. It remains for highway planners and engineers and road builders in each of our states to give to the skeleton flesh and blood and breathe into its lungs the breath of life.

Let me mention one innovation in the 1970 bill as drafted by the House Public Works Committee. It allots \$100 million for each of the next two years for demonstration projects in the area of "Economic Growth Center" Development Highways. Such a center is defined in the bill as a city of *not more* than 100,000 people. This charts an entirely new direction. For the first time, as a matter of conscious policy, we are endeavoring to provide a stimulus for the dispersal of industrial growth and population—away from the already overburdened population centers into the smaller towns with potential to absorb the population wave.

The long-range effect of this new perspective could be far reaching indeed. The most disturbing aspect of what has been called the "population explosion" is not simply the question of how many, but the more urgent question of *where*.

Demographers forecast that, if present population trends in this country continue unabated, by the year 1990 eighty percent of America's people will reside in four great, sprawling megalopolises—one clustered around the Great

Lakes, one along the Gulf Coast and the other two spread up and down the Atlantic and Pacific coastlines. This appalling prospect would leave only twenty percent of America's people living on the entire remainder of the nation's real estate. The social implications of crime, crowding, pollution, physical and psychosomatic diseases are staggering to contemplate!

Solomon wrote that "where there is no vision the people perish." It takes but little vision to see that the time is upon us when by conscious effort we must actively encourage the dispersal and decentralization of industry and population. The highway system can play a vital role in the achievement of this imperative goal.

The great unanswered challenge of the next 30 years is this: Where shall we put 300 million Americans? Surely the answer is not simply to build up and up in unending layers of high-rise apartments, like so many Towers of Babel. Surely it is not our national fate to dwell out a sunless existence like so many drones in an anthill, and with hardly more control over the direction of our lives.

And surely the answer does not lie in a continued haphazard random sprawl, the cities spreading to unmanageable blobs upon the face of the land, the green earth absorbing the masses like a blotter soaking up spilled ink . . . until the ink blots run together.

There has to be a better way—and I am convinced that American ingenuity will find it. I see a future of new towns, limited in size and largely self contained, with gardens and playgrounds and open spaces, circled by belts of nature's greenery—where the spirit of man can breathe.

I see towns in which the most unpretentious citizen can be known by his name, where people speak of homes and not of "housing," where there can be a sense of community because there is a sense of personality.

But it needs one magic ingredient to make such a vision come true. Such towns of the future can exist, like a huge string of pearls, only if they are tied together with one another and with ever more dispersed centers of opportunity and employment, by ribbons of modern transportation.

And it can be this way only if we plan it this way.

Some years ago, a contractor friend of mine spoke to me of his profession.

He said: "An architect is a dreamer of dreams, but a builder is a doer of deeds." My friend was an activist, and proud of it. But I think he made a false distinction.

We shall need both the dreams and the deeds.

For without the deed the dream may be little. But without the dream the deed could not be.





From the roar of jet aircraft at full throttle to the furious din of air compressors and rock bands, noise levels have doubled in American cities since 1954. The assault of sound can be controlled and the agent of control is public opinion that is only beginning to be aroused.

Noise, like smog, is a slow agent of death. If it continues to increase for the next 30 years as it has for the past 30, it could become lethal. Curbing of noise pollution depends upon three areas of attack: 1) Public control of major environmental noise such as sonic booms from aircraft, airport ground and liftoff rumbles, highway truck traffic, excessive use of emergency sirens and automobile horns, high-volume air conditioners and construction equipment, and electronic music in public places; 2) Improved noise shielding inside buildings, primarily apartments and homes near noise sources. Armed with city codes, architects can achieve significant noise reduction for under five to ten percent of total building costs; 3) Urban design that recognizes noise and diverts or reduces it in such new projects as highways, subdivisions, schools, hospitals, shopping centers, and parks.

Even the way highways are built affects noise. Asphalt roadways are as much as 10 decibels quieter than concrete. Lowering the freeway and placing earth mounds at the sides can reduce noise to nearby homes by 10 to 15 decibels. Trees can help shield muffler booms as well as carbon dioxide. Highways could be entirely underground, inside tunnels or tubes, at the heart of the nation's largest cities. Excavation costs have been dropping while surface right-of-way costs soar. So tunneling is becoming a more economic possibility.

Progress and a curious twist of the national psychology have fueled the noise explosion. Transportation, including 17 million trucks, and construction, now running around \$90 billion, are the chief noise producing sectors of the U.S. economy. As they balloon, so does sound pollution. Builders are using lighter materials to erect bigger structures with little attention to sound insulation. Consumers apparently feel appliances are not powerful unless they are noisy. Vacuum cleaners, sport cars, and motorcycles that emit more noise sell better. An automotive corporation discovered half the drivers of a test gas-turbine car wanted more noise.

Outpouring of noise in city and suburb is a major contributory cause in ulcers, cardiovascular disease, and mental breakdown, former U.S. Surgeon General William H. Stewart told an American Speech and Hearing Association

conference in 1968. The World Health Organization estimates excessive noise costs Americans \$4 billion a year in health expenses and lost pay. By age 55, men working in heavy industry show twice the hearing loss as men in the general population, according to Aram Glorig of Dallas' Callier Hearing and Speech Center.

In the years 1954 to 1966 the rate of the city sound increased about one decibel a year. That's very significant because each 10 decibels results in a doubling of the sound sensation perceived by the ear. Noise surrounds us. It comes from all directions. It's difficult to erect barriers against it. Buildings build up noise as well as shield it. There would be less impact from noise on an open plain.

Using microphones, amplifiers, frequency filters, and recorders, men measure the pressure of sound at a location. Listeners are different — some are unconscious about almost any noise. But for most persons a decibel level of 80 or higher causes discomfort. At 90 or above for a sustained time, ear doctors predict damage to the hair cells that carry messages from the ear to the brain. Human breathing registers 10 decibels, using a weighted scale to emphasize high-frequency sounds. Rustling leaves produce 20 decibels, a whisper 30, conversation from 40 to 60. A kitchen blender screeches at 93 decibels, an accelerating motorcycle 110, a jet plane at take-off up to 150, power lawnmower 96, and a "hard rock" band perhaps 115, reports Medical World News. The rock band riveting a college discotheque at 115 decibels is definitely dangerous to a person's hearing.

Architects have worked with the City of New York to establish a 45-decible standard for noise transference through walls of new apartments. The ordinance, enacted one year ago, will result in added cost well under five percent to provide this standard in most new apartments. It's mainly a matter of assembly so that you separate one wall surface from another, leaving space between which is filled with acoustical material. Careful examination of air conditioning and heating lines is required so that sound is isolated correctly, avoiding bridges that build noise. Spring mounts, lead, resistant materials like rubber and synthetics should be used. At sites impacted by noise, such as schools or airport neighborhoods, double glazed windows can help.

In an experiment to reduce aircraft noise entering five houses near Los Angeles, New York, and Boston airports, windows, roofs, doors, and chimneys were found to be the weak spots. Engineers and architects installed double windows and storm sashes, affixed storm doors, exhausts for kitchen mufflers, and chimney dampers, plus siding for

wall exteriors and skins and some resilient material for floors. Noise dropped as much as 10 to 30 decibels, a major loudness reduction. Major sound reduction can be 10 percent of the original construction costs in existing homes. Department of Housing and Urban Development (HUD) has research underway to see if new materials such as plastics can cut this extra cost. As we move toward mass production we can consider materials which would be too expensive if put together at the site. No breakthrough in materials or methods will be of any use unless there is good on-site supervision. Acoustical quality is only looked at as a



last consideration or not at all by banks, saving and loan institutions. Carpenters nearly always ignore the problem.

Citizens can score significant city noise reduction, sometimes at little or no cost. For only \$1.50 to \$1.80 extra, New York has installed garbage cans with noise deflecting strips. The City is also buying quieter garbage trucks, and a citizens' task force soon will request controls on cranes, construction equipment, trucks, and other noise breeders. Zones may be set up to prevent real estate interests from locating new buildings near noise sources.

Since 1938 the old river hub of Memphis, Tenn. has had a city ordinance banning "any unreasonably loud, disturbing and unnecessary noise," including automobile horns. In 1945 the city, which now has more than 650,000 residents, was called "America's Quietest City." During the ordinance's first 90 days, some 500 motorists paid fines for excessive horn honking. Today "it's most unusual for somebody even to blow a horn." It's a very rare thing now that a ticket for any kind of noise is issued because people have accepted the ordinance.

Memphis' joint city-county planning commission also helped move an airport and enacted an approach zone which will discourage construction of housing near flights.

For around \$200 a quieting device can be attached to the annoying air compressors that turn city streets into rivers of reverberation. Truck mufflers could be greatly improved and city noise abatement offices established.

Connecticut, New York, and California have enacted highway noise limits. A six-month study on the Connecticut Turnpike showed 11 percent of traveling vehicles created noise higher than 94 decibels. State police consider 88 decibels grounds for a citation. California reports only a tiny number of violations based on its 1967 law which allows cars up to 86 decibels and trucks and motorcycles up to 92. The state has six patrol units checking 11 million vehicles. Critics say the standards are not tough enough.

Trucks stopping and starting at traffic lights during the night are prime sources of noise. An orange traffic light which allows trucks through passage at night is one suggested improvement.

Citizen resistance to proposed jetports in the Florida Everglades and New Jersey, a \$95.8 million lawsuit against Los Angeles' International Airport by schools, and 38,483 claims against the U.S. Government from 1956 to 1968 for alleged damage caused by sonic boom illustrate the dimension of noise as an environmental crisis.

Many noise problem solutions are not prohibitive in cost if sound control is an integral part of advance planning. The loss of productivity, sleep, hearing, and speech costs far more than modifying equipment and buildings.



like money in the bank



JIFFEE - JOINT GASKET

Jiffie-Joint saves hours . . . even days . . . on jobs when you install Josam floor or roof drains, cleanouts, floor sinks. Makes a better, leakproof seal in minutes . . . in any weather . . . long before a lead pot is even ready to use. Made of tested Neoprene used in thousands of installations. You'll do more . . . save more . . . with Jiffie-Joint!

DISTRICT REPRESENTATIVE
DILLARD ASSOCIATES

110 Manufacturing St. P. O. Box 10817
Dallas, Texas 75207 214/748-7708

JOE LANSDEN

ARNOLD-LANSDEN AND ASSOC.

510 Shepherd Dr. P. O. Box 7846
Houston, Texas 77007 713/864-7733

JOSAM MANUFACTURING CO. Michigan City, Indiana



PARTNERS IN PROGRESS

Jones-Blair Paints/Architectural Services

**THESE JONES-BLAIR ARCHITECTURAL SERVICES
ARE AVAILABLE TO ARCHITECTS**

- Personal assistance in the selection of painting specifications and color plans for all types of buildings.
- Preparation of sample panels in selected finishes with specifications for reproducing the finish.
- Specifications for unusual or problem surfaces.
- Cooperation and assistance at any stage of work development.

ARCHITECTURAL SERVICE DEPARTMENT

**JONES-BLAIR COMPANY
DALLAS, TEXAS 75235
TELEPHONE (214) 357-1835**

HUGH ROMINE, MANAGER

M.Y.O.B.

Mind your own business. Once upon a time that was a warning to keep your nose where it belonged.

But not any more. The business of business reaches beyond the office and the plant, past the sales charts and the payroll.

Businessmen today play a growing role in the community at large. Your leadership is watched.

(Do you pay more than lip service to "equal employment"?) Your experience is needed. (What are you doing to combat the pollution peril?)

Your influence is great. (Are you in the vanguard of those helping local agencies to do something about decayed housing?)

Mind your own business. It's not a threat; it's a challenge to become involved. But you're not facing it alone. Others like you are stirring all over the land.

Mind your own business. When you think about it, it's another way to say "Love your neighbor."




TEXAS ARCHITECT



DON'T MONKEY AROUND... FILL OUT YOUR TSA MEETING
REGISTRATION PACKETS N' GET'UM IN THE MAIL!

TSA MEETING IN DALLAS AT THE FAIRMONT HOTEL

OCTOBER 27, 28, & 29 OF 71



Reinforcing with 300% more gripping power


STRONGWALL

Stick-to-it-ness! That's what MidSTATES puts into its ladder-type Strongwall reinforcing to help it grab hold of the mortar better. And it does it in four important ways:

- 1** Knurled side rods bite into mortar on all four sides for a better bond.
- 2** Crossbars welded over the side rods mean mortar flows all around—top, bottom and sides.
- 3** Deformed side rods with 10 degree bends can not slide in mortar.
- 4** Crossbar is extended $\frac{1}{8}$ " over side rods. Stress is evenly distributed across weld at critical stress point—the joint.

The tensile strength of Strongwall reinforcing exceeds 90,000 P.S.I. after knurling and deforming. Galvanized or Brite Basic finishes. Available in 10-foot sections with crossbars 15" on center or 12-foot sections with crossbars 16" on center. Also available in truss design.

Packaged and palletized to save loading and handling time at the construction site, Strongwall is protected by patented corrugated "boots". Arrives in perfect condition. Protects workmen too.



Write for free Strongwall Brochure and complete specifications, both ladder and truss type reinforcing.



MIDSTATES WIRE

MID-STATES STEEL and WIRE Sherman, Texas
Division of Keystone Consolidated Industries, Inc.

FLATONIA 1890

AN HISTORICAL SURVEY

excerpts from a
graphical essay by
ALLAN NUTT
DAVID WALL
PAULA WALL
UNIVERSITY of TEXAS

In the 1870's, Texas was experiencing inward expansion and many people migrated from the coast inland. New railroad tracks and telegraph lines usually marked the way for these settlers. This was the case when the railroad started laying track from Galveston to San Antonio. As the railroad progressed towards San Antonio, people followed and small communities developed in 10 to 15 mile intervals along the track's path. Flatonia was one of these communities, established in 1873 and incorporated in 1875.

The Germans and Czechoslovakians settling in the area of Flatonia found the life style hard. Machinery was scarce, tools were crude, and the natural elements often harsh. Women often worked alongside their husbands in the fields as well as in the home. Plus the hardships encountered in daily activities, there were other perils. Wild wolves roamed, disease and fever were prevalent and even a few bandits were there to raid and rob the settlers. Infant mortality was especially high.

By 1890 the lifestyle within the city limits of Flatonia was much more comfortable. The town was active and prosperous. Several large mercantile stores were well established as well as a furniture store. For entertainment there was a saloon, a community dance hall, and even an opera house for traveling performers.

OCTOBER, 1971

VAN HAM WAREHOUSE



THE OLD SALOON, built in the early 1870's

VAN HAM BUNTING MERCANTILE, built in 1880





THE OLD POST OFFICE, 1890



ALLEN

MILLER



ARNIM & LANE MERCANTILE ESTABLISHMENT, 1886



YEGAR BUILDING, 1880's

HARRISON HOME



COCKRALL HOME, 1880's



HOME

BUILDING, 1886

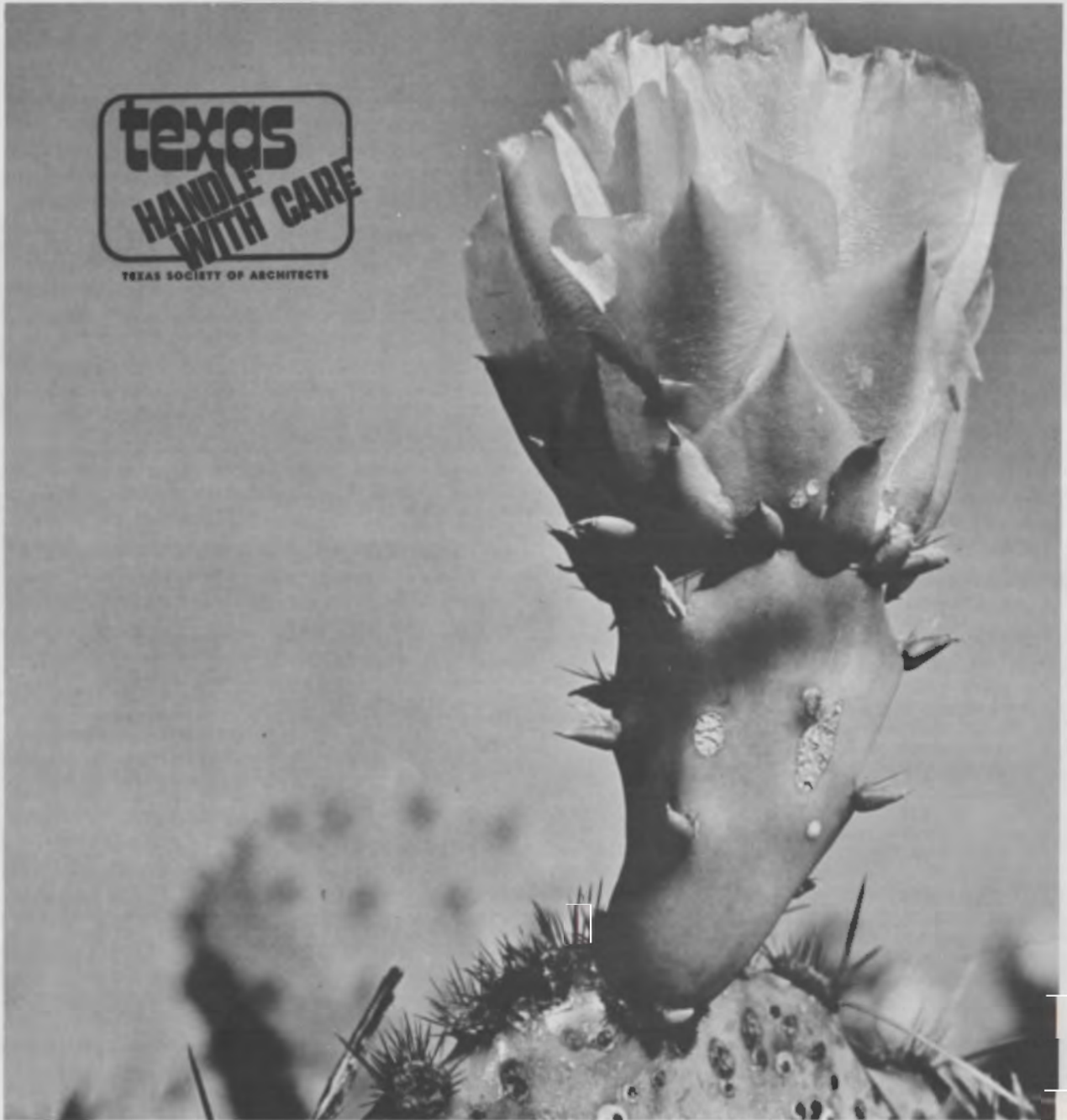


FOSTER BUILDING, 1880's



FLATO HOME





© TSA Environmental Campaign, 1971

Is your Legislator handling Texas with care when he votes? Is your Councilman handling Texas with care? Your County Commissioner? Ask him.

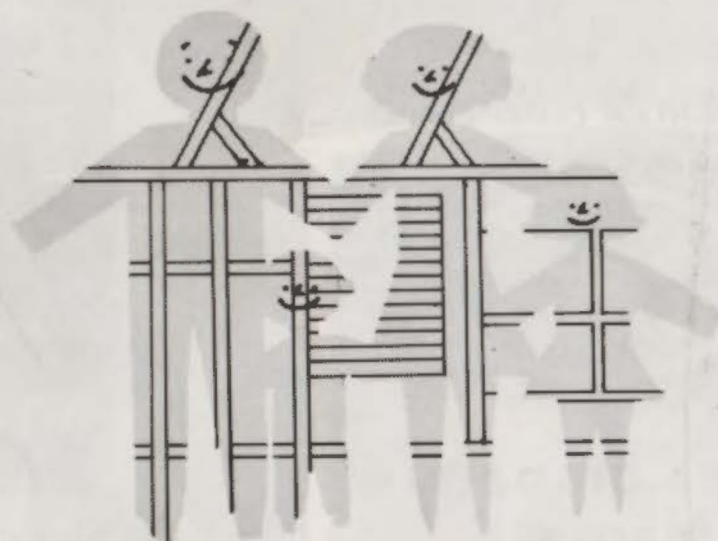
Is the businessman in your community handling Texas with care when he makes a business decision? Is your local school administrator handling Texas with care? Your health official? Ask him.

And are YOU handling Texas with care when you throw litter from your high-powered automobile? When you ignore an opportunity to teach your children about the environment? Ask yourself.

Ask, and you will be working magic in changing attitudes in Texas—yours and others.

A SUGGESTION FROM THE TEXAS SOCIETY OF ARCHITECTS

How to build happy clients into the homes you design!



You build beauty into a home. And comfort. And convenience. Why not *freedom* from high monthly utility bills? Gas appliances cost far less to operate. And they're built ruggedly to give long, dependable service with few repair bills. Your gas company representative will be glad to provide full information and specifications on all gas equipment. Why not put him to work. Today.





The Texas Architectural Foundation offers scholarships in architectural education and sponsors research in the profession. Contributions may be made as memorials: a remembrance with purpose and dignity.

TEXAS
ARCHITECTURAL FOUNDATION
904 PERRY-BROOKS BUILDING
AUSTIN

OTTO COERVER COMPANY, INC.



Same Company – New Name

Controlling interest in Otto Coerver Company has been purchased by a group of key employees and the name has been changed to Coerver Industries. A new symbol of identification is used as its signature. The change in name and signature allows greater flexibility for future diversification.

The company will still operate under the principles established by its founder – principles of integrity, dedication to service and skilled workmanship.

Coerver Industries will continue to serve your needs in wall coverings, elevator cabs, architectural woodwork and fixtures. And there are plans of expansion in new products, services and marketing areas.

It's the same company – only more so.



COERVER INDUSTRIES, INC.

3311 ELM STREET / DALLAS, TEXAS 75226 / (214) 748-6345



**She came from
a nice quiet town
to find something
stronger than
marijuana.**

A lot of small towns think they don't have any drug problem. Because their drug problems move away. And die someplace else.

The cancer of drug addiction has spread throughout the country and we're not going to wipe it out overnight.

But let's do something. Let's get started. Troubled teenagers are among the people in this town who are crying out for our help.

Poor people, sick people, old people, disturbed people are counting on us.

Give the United Way. Please.

**If you don't do it,
it won't get done.**

advertising contributed for the public good



*Arbrook, Inc., Subsidiary of Johnson & Johnson
Arlington, Texas*



*Chakos, Zentner & Marcum, AIA Architects
San Angelo, Texas*

This plant makes aseptic medical products. So the architects wisely chose Monarch ★ Marshall glazed ceramic wall tile.

Arbrook, Inc., at Arlington, Texas, wholly owned subsidiary of Johnson & Johnson, makes products and conducts research to improve sterile conditions in the hospital environment. Most of the products are used to control the spread of germs and infection.

Monarch ★ Marshall glazed ceramic wall tile

was the perfect choice by the architects of this structure. That's because our tile gives you better surfaces when sanitation, easy cleaning, beauty and permanence are required.

Arbrook is one of many recent installations of Monarch ★ Marshall tile in hospitals and hospital-related industries.

Monarch ★ Marshall



Members of Tile Council of America and Producers Council



DALLAS

TSA's 32nd ANNUAL MEETING HOST

Crusader Ralph Nadar, AIA President Max O. Urbahn and Texas Land Commissioner Bob Landis Armstrong will join a host of Texas architects in Dallas, October 27-29, for the Thirty-second Annual Meeting of the Texas Society of Architects.

On Thursday afternoon, October 28, Nadar will be a featured guest at a special session open to the public. Following his appearance, TSA will tell its membership and the public about "Texas: Handle With Care"—the state-wide campaign to focus concern on the protection of our environment. Lending support to the program will be Land Commissioner Armstrong who will be designated Honorary Chairman of "Texas Handle With Care Week".

Convention activities begin at noon on Wednesday, October 27, with the opening of exhibits and registration in the Regency Room of Dallas' Fairmont Hotel. Golfers will already have been on the course during a Wednesday morning tournament at Royal Oaks Country Club. Texas Quarries will host the golfers.

Also during the afternoon, Leona Johnston Supply and State Stove Company will host a skeet shoot at the Alpine Range. Bus transportation will be furnished from the Fairmont to both Royal Oaks and the Alpine Range.

Social activities that will include TSA's ladies will begin at 7:00 p.m. on Wednesday evening with cocktails on the Roof Garden at the Fairmont.

After cocktails, early pre-registrants will be hosted for dinner at the homes of Dallas architects.

Presiding at the first general session on Thursday morning, October 28, will be Thomas A. Bullock of Houston, 1971 president of TSA. AIA President Urbahn will keynote the meeting. Following his appearance, the membership will be brought up to date on the activities of the society through reports of its officers and committee chairmen.

Also on Thursday, the ladies will browse, shop and lunch at Dallas' famed Quadrangle.

Thursday afternoon will be devoted to Nadar's and Armstrong's presentations. That night, a new kind of "President's Toast" will be emceed by Dallas' Dave Braden. Tom Bullock's year of service as TSA's president will be highlighted along with the work of others who have served Texas and the Society in this and past years.

On Friday morning at 9:00 a.m., a breakfast hosted by Acme Brick Company in the Fairmont's Venetian Room will start the day in elegant fashion. Later in the morning, practitioners will learn about the new NCARB registration and examination procedures. Student architects will also be honored at this time and receive awards.

Following cocktails in the Exhibit Area, the Annual Awards Luncheon will begin at noon in the International Ball Room. The luncheon will take on a new look this year — a lot of entries — and a record number of winners.

Architects and their ladies will spend the rest of the afternoon with fun, games, prizes and refreshments in the Exhibit Area. A final "wrap-up" business session will begin at 4:00 p.m.

Then, that night, costumes are in order for the big wind-up "bash" at the Pearl Street Warehouse. Plan to come as the construction worker of your choice — hard hat and all.

And each evening while architects are enjoying their convention activities, songstress Peggy Lee will be warming-up during her dinner show in the Venetian Room and preparing to greet TSA guests to her 11:00 p.m. appearance.

You will probably leave Dallas tired — but you will have learned much new about your profession and the goals and actions of your TSA.

Don't get us wrong. One of our sprinkler fire protection systems can give you greater freedom in materials selection and design. So, your building may win acclaim. But, big fire insurance claims? Not likely.

In many areas updated building codes or negotiated offsets permit use of more wood, greater distance between fire exits, few-

er fire walls and other design flexibility in equipped buildings. Some of the restrictions which hamper design creativity are eliminated.

And fire insurance underwriters are so convinced of the value of fire protection sprinkler systems that they usually reduce premium rates substantially. In some cases reduced premiums have paid the cost of the fire protection system in 5-7 years. Or even less. After that the build-

ing owner continues to receive the benefits of lower premiums along with his greater assurance of continued use of the building.

If you have questions about sprinkler fire protection systems, just write or call us.

UNITED SPRINKLER

2668 Walnut Hill Lane
Dallas, Texas 75229
Phone: 214/358-5636

**A building
with one of
our systems will
never set the
world on fire.**

TEXAS ARCHITECT

P. O. Box 25

Austin, Texas 78767

ADDRESS CORRECTION REQUESTED

FORWARDING AND RETURN POSTAGE GUARANTEED

BULK RATE

U. S. Postage

Paid

Austin, Texas

PERMIT NO. 2215