

TEXAS

ARCHITECT

N O V E M B E R 1 9 6 4



## THE CHALLENGE OF THE NEXT TWENTY YEARS

Today's college students are preparing themselves to meet and conquer the challenges they will face tomorrow. This preparation also exercises tremendous influence on their rapidly developing tastes and opinions. Texas Architects are keeping pace with these changing needs and trends by projecting today's designs to accommodate our expanding society. The Texas Architect is successfully meeting the challenges of tomorrow—today.

*Assisting the architect with a complete line of quality building materials.*

**BLACK-BROLLIER**

3010 DIXIE DRIVE — HOUSTON — RIVERSIDE 7.7100

# THE TEXAS ARCHITECT

VOLUME 14

NOVEMBER 1964

NUMBER 11

Official Publication of

## THE TEXAS SOCIETY OF ARCHITECTS

The Texas Regional Organization of  
The American Institute of Architects  
Don Edward Legge, A.I.A., Editor  
James D. Pfluger, Associate Editor  
John G. Flowers, Jr., Managing Editor

327 Perry - Brooks Building, Austin, Texas

Published monthly by the Texas Society of Architects in Austin. Subscription price, 50c 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. Publications which normally pay for editorial material are requested to give consideration to the author of reproduced by-lined feature material.

Appearance 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.

## TEXAS ARCHITECTURAL FOUNDATION

327 Perry-Brooks Building, Austin, Texas

### TSA OFFICERS FOR 1964

George F. Pierce, Jr., F.A.I.A.  
Houston ..... President  
George F. Harrell, F.A.I.A.  
Dallas ..... President Elect  
C. Herbert Cowell, Houston ..... Vice President  
Zeb Rike, McAllen ..... Vice President  
George S. Sowden, Fort Worth Vice President  
Victor G. Probst, Austin Secretary-Treasurer

### TSA DIRECTORS FOR 1964

Llewellyn W. Pitts, F.A.I.A.  
Beaumont ..... Regional Director  
Arthur Fahr, F.A.I.A., Austin ..... Past President  
Reginald Roberts, F.A.I.A.  
San Antonio ..... President, Texas  
Architectural Foundation  
John J. Luther ..... Abilene Chapter  
Theo R. Holleman ..... Brezos Chapter  
Howard R. Barr ..... Austin Chapter  
William S. Whittet ..... Coastal Bend Chapter  
Robert J. Perry ..... Dallas Chapter  
Mufon O. Bynum ..... El Paso Chapter  
Joseph J. Patterson ..... Fort Worth Chapter  
Mace Tungate ..... Houston Chapter  
Zeb Rike ..... Lower Rio Grand Valley Chapter  
John S. Stuart ..... Lubbock Chapter  
Eugene Elam ..... North Texas Chapter  
R. J. Reinheimer, Jr., ..... Northeast Tex. Chapter  
William D. Jones ..... San Antonio Chapter  
Mike Mebane ..... Southeast Texas Chapter  
Earl W. Parge ..... Texas Panhandle Chapter  
Walter L. Norris ..... West Texas Chapter  
James D. Witt ..... Waco Chapter  
John G. Flowers, Jr.  
Austin ..... Executive Director

### COVER

St. Luke Methodist Church  
Son Angelo, Texas  
Architect: Don Goss

Taxation without representation was one of the reasons the American colonists revolted, and as a result this country was founded.

Today's citizens of our State of Texas who have a deep interest in the quality of our physical environment face a similar problem, but for a different reason. We are also being taxed, but the funds are being spent with little regard to retaining and improving the natural beauty that we still have, or to being certain that the new things we build are really beautiful as well as being functional and economical.

In this case, we cannot blame the sad situation on those who are taxing us, or even on those men who are responsible for determining how the funds are spent. If any groups are at fault, they are the architectural and planning professions.

We who are most concerned as to the present state of things, who are most perceptive about what is happening to the physical environment of our country, and who are most qualified to speak out and say what must be done, have made no concerted effort even to tell our state officials and legislative representatives of our concerns.

We have complained to ourselves too long, and have accomplished little. Now we must express our concerns to those who actually make the decisions. The entire profession, individually and collectively, must make a coordinated effort to be certain these men are intelligently informed. When we have done this, we will see results.

George F. Pierce, Jr. FAIA

# TEXAS SOCIETY OF ARCHITECTS

## TWENTY FIFTH ANNIVERSARY



It is customary to look backward with pride and forward with pleasure and anticipation on important anniversaries. Perhaps we are no exception to this pattern on our 25th Anniversary.

It was on June 10, 1939 when 87 architects met in Austin to form the Texas Society of Architects. Forty-seven of those present joined on the spot, elected officers, drafted by laws and adopted the following:

- "The Purpose of this Society is to unite the Architects of Texas, to make the profession of ever-increasing service to the citizenship of the State by advocating means to protect and better the public health, safety and welfare, as related to planning and to the design and construction of buildings.
- a. Unification within the Texas Society of Architects of all Texas Chapters of the American Institute of Architects;
  - b. Maintenance of high professional standards;
  - c. Cooperation with all branches of the building industry;
  - d. Cooperation between architects in their common problems;
  - e. Cooperation with The American Institute of Architects through its several Texas Chapters in all activities consistent with the purpose of this Society;
  - f. Advancement of architectural education:
    - (1) By cooperation with the several architectural schools;
    - (2) By encouragement of all architectural students, both in and out of schools;
    - (3) By interesting its own members in their professional improvements;
  - g. Dissemination of proper public information on architecture and the architectural profession through selected channels."

The Texas Society of Architects Executive Board on August 19, 1939, designated November 1, 1939 as the closing date for Charter Member classification, and by that date three hundred seventy-eight members had joined. Seventy Charter Members are now deceased. About one half that number have retired or left the profession, and the balance all claim to be just now hitting their stride as practitioners.

At the time of organization in 1939, there were four AIA chapters in Texas: Dallas, Houston, and San Antonio, all originally founded in 1913, and Austin in 1938. They had different names then, but these are the present day designations.

By 1951, the Texas Society of Architects had grown to nine chapters of the Gulf States Region when state organization was designated as the Texas Region of the American Institute of Architects. At the 14th Annual Meeting of TSA in Austin, it was voted with considerable reservations to create a permanent headquarters in Austin with a full time staff to assist the officers and directors in administration of the society affairs. This was created in January, 1954, with headquarters in the Perry-Brooks Building.

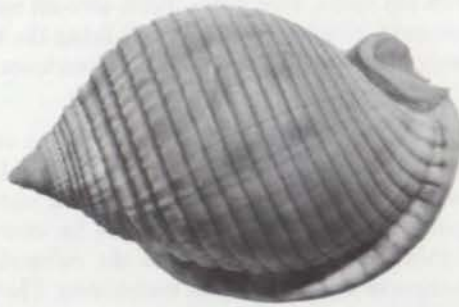
Today the Texas Society of Architects consists of seventeen chapters with 1,243 members of whom 959 are Corporate Members of the American Institute of Architects. Slightly over two hundred men have served as officers, directors, or committee chairmen of the TSA Board. But mere numbers do not reveal the true character of any organization. Despite the fact that present day life sometimes appears to be nothing but a numbers racket with zip codes, area codes, bank account numbers, social security numbers, credit card numbers, telephone numbers all being the stock in trade of daily life. Architects fortunately, however, retain their independence and individuality in a marvelous way.

The 25 year history of the Texas Society of Architects is the story of the individual efforts and achievements of individual members striving to build a better organization for the entire profession of architecture in Texas. Important committee activities have been carried out to improve the professional competency for every member throughout the history of TSA. Significantly, contributions to the cultural improvement of our society have been the charges of other important committees. The profession has moved into important segments of community life under the aegis of the professional society. A great story remains to be told of the professional growth in Texas brought about by dedicated individuals working together for the betterment of their state. If the TSA has a roll of honor, it has to be the roster of distinguished and dedicated men who have served as the Society's Presidents. These men have provided leadership for which all practicing architects are grateful.

Ralph H. Cameron, FAIA	1939
George L. Dahl, FAIA	1940-41
Wiley C. Clarkson	1942-43
Bartlett Cocke, FAIA	1944-45
Bertram Giesecke	1946
Milton B. McGinty, FAIA	1947
Arthur E. Thomas, FAIA	1948
John T. Rather, FAIA	1949
Edward L. Wilson, FAIA	1950
Raymond Phelps, FAIA	1951
Herbert M. Tatum, FAIA	1952
Albert S. Golemon, FAIA	1953
Edwin W. Carroll, FAIA	1954
Grayson Gill	1955
R. Max Brooks, FAIA	1956
Fred J. MacKie	1957
Reginald H. Roberts, FAIA	1958
Robert P. Woltz, Jr.	1959
Jack M. Corgan	1960
L. W. Pitts, FAIA	1961
Harold E. Calhoun, FAIA	1962
Arthur Fehr, FAIA	1963
George F. Pierce, Jr., FAIA	1964

It is the view of most leaders of the Society that the Texas Society of Architects is just beginning to realize its potential as the membership has grown and the financing has become available for more and larger projects. The services which the Society can render to the citizens of Texas is constantly expanding and growing in significance. Future reports of the growth of the Society will be compendious and comprehensive, and will deal with comprehensive programs concerning the enormous challenge to the profession to deal with the total environment of our citizens.

Certainly enormous challenges face the profession in Texas and assuredly, the dedicated and capable man power to solve them are within the membership of the Texas Society of Architects. But lest we feel too certain of our future, we should be reminded of a newspaper clipping sent to the Executive Board by Professor Ernest Langford, FAIA, formerly head of the Department of Architecture of Texas A & M University, who is presently the archivist of that school. A box on the editorial page of the Bryan newspaper headed "75 Years Ago Today" reports that on March 5, 1875, a group of architects gathered in Austin to form a new organization called the Texas Society of Architects. It remains for historians to ferret out the story of that now unknown organization. Therefore, there is no room for complacency for the members of the new Texas Society of Architects.



25<sup>th</sup>

## ANNUAL CONVENTION

TEXAS SOCIETY OF ARCHITECTS  
PROGRAM

Wednesday, November 4

- 8:00 a.m. Golfers Doughnuts and Coffee, The Northwood Club
- 9:00 a.m. Texas Quarries' Golf Tournament, The Northwood Club
- 1:00 p.m. Golfers Buffet Luncheon, The Northwood Club
- 2:30 p.m. Committee Meetings, Rooms to be announced
- 4:00 p.m. Conclave of Chapter Officers, Sam Houston Room, Sheraton-Dallas Hotel
- 6:30-8:00 p.m. Host Chapter Cocktail Party, North Ball Room, Sheraton-Dallas Hotel  
Dinner — On the Town.



Thursday, November 5



- 8:00 a.m. Acme Brick Breakfast, North Ball Room, Sheraton-Dallas Hotel
- 9:30 a.m. Business Session, Republic of Texas Suite, Sheraton-Dallas Hotel
- Ladies Tours Option 1—Decorative Center (Select Furniture and Accessory Shops)  
Option 2—Sales Street (Antiques)
- Student Seminar, Vaquero Room, Sheraton-Dallas Hotel
- 11:00 a.m. Keynote Address—A. G. Odell, Jr., FAIA, President, American Institute of Architects  
Republic of Texas Suite, Sheraton-Dallas Hotel
- 12:30 p.m. Awards Luncheon, North Ball Room, Sheraton-Dallas Hotel
- 2:30-5:30 p.m. Extravaganza of Exhibits, South Ball Room, Sheraton-Dallas Hotel  
Refreshments Entertainment Prizes
- 6:30 p.m. Transportation to the Apparel Mart
- 7:00 p.m. Informal Party—Apparel Mart Courtyard

Friday, November 6



- 7:30 a.m. "Early Risers" Breakfast  
Annual Convention Meeting Insurance Committee  
Pioneer Room—3rd Floor, Sheraton-Dallas Hotel
- 9:00 a.m.-12:15 p.m. Seminar, "Is There An Antidote For Ugliness?", Republic of Texas Suite, Sheraton-Dallas Hotel  
Moderator—Vincent Kling, FAIA, Philadelphia  
Panelists—Rabbi Levi Olan, Dallas  
John Guerin, University of Texas  
David Owen, Dallas  
Dr. Alfred R. Neumann, University of Houston  
Mrs. L. Lee Johnson III, Fort Worth  
David Barrow, Austin  
Eugene McDermott, Dallas  
F. V. Wallace, Amarillo  
Marshall Willis, El Paso  
David Straus, San Antonio
- 12:00 Ladies Luncheon—Chaparral Club, 37th Floor, Southland Center  
"Through Darkest Africa" with Mary Broad
- 12:30 p.m. Seminar Luncheon, North Ball Room, Sheraton-Dallas Hotel  
Presentation of Chapter Awards
- 2:00 p.m. Seminar—"Is There An Antidote For Ugliness?", Republic of Texas Suite, Sheraton-Dallas Hotel  
Moderator—Vincent Kling, FAIA, Philadelphia  
Speakers—Richardson Dilworth, Former Mayor of Philadelphia  
Dean John E. Burchard, Dean of the School of Humanities and Social Science, M.I.T.
- 4:30 p.m. Closing Business Session, Republic of Texas Suite, Sheraton-Dallas Hotel
- 6:30 p.m. President's Cocktail Party, Republic of Texas Suite, Sheraton-Dallas Hotel
- 7:30 p.m. Formal Dinner Dance—North Ball Room, Sheraton-Dallas Hotel



# IS THERE AN ANTIDOTE FOR UGLINESS

*"The affluent society with relentless, singleminded energy is turning our cities, most of suburbia and most of our roadways into the most affluent slum on earth. There is not the slightest doubt any longer that we are losing our very special, God-given chance to create in this country a form, an order, a high civilization. This simply cannot be done in a physical setting of crashing vulgarity in the cities and dreary uniformity in the suburbs." Eric Sevareid, 1964*

These are strong words. Yet the same thoughts in varying form and varying intensity are being expressed by a multitude of Americans, some professionals and some just plain citizens confronted by the growing awareness of the ugliness of the physical environment which we are creating for ourselves.

The American Institute of Architects has developed a program to call forcefully to the attention of the public the need for the use of stronger aesthetic disciplines in the building of our cities. One direct end-product has been a series of regional seminars which successfully have engaged community leaders in a forthright consideration of the problems which beset our environment.

Such a conference for Texas will be held in Dallas Friday, November 6, 1964. The theme of the all-day seminar will be **Is There An Antidote For Ugliness?** The seminar will seek to take a bare-knuckled, but completely positive approach in searching for ways to turn the tide against the ugliness which threatens to encompass us. It will raise questions with a biting edge and seek answers from the common experience of the participants. It will ask larger questions such as: "Can we afford quality?", "Has expediency in the name of progress waylaid our search for excellence?", and many others.

Each of the 17 chapters of the A. I. A. throughout the state has appointed a Design Committee charged with the responsibility of picking the layman in that community who has done the most to improve aesthetic values in his community. This layman will be recognized for his achievement in his home city and will be a participant in the Texas seminar in Dallas.

In addition to these laymen from every section of Texas, more than 150 leading members of the Dallas commercial, industrial, cultural and educational communities will be invited to attend and to participate in the panel discussions.

Giving depth and perspective to the seminar will be two national figures who will bring their outside viewpoints into the discussions. One of these will be Richardson Dilworth, former mayor of Philadelphia and a prime mover in that city's vast and highly successful rebuilding program. The other will be Dr. John E. Burchard, dean of the School of Humanities and Social Science of the Massachusetts Institute of Technology, a frequent critic of our cities and a philosopher who speaks to man's needs for a physical environment which is in harmony with his total aspirations.

This stimulating and constructive program promises to point the way to other steps which we can take in our fight against ugliness in all its forms.



# CONVENTION PERSONALITIES

## KEYNOTE ADDRESS



VINCENT KLING, FAIA, *Philadelphia, Pa.*  
Honored as Fellow by the American Institute of Architects for distinguished design. Heads one of Philadelphia's largest architectural firms. Numerous awards and medals of honor from many sources have been awarded his buildings (these are too many to list). His practice covers fifteen building types in ten states. He has served or is serving as a member, officer, chairman or director of many honor award juries; local and national A.I.A. committees and civic endeavors.

## SEMINAR MODERATOR



ARTHUR GOULD ODELL, JR., FAIA, *Charlotte, N. C.*  
Current President of the American Institute of Architects. His search for contemporary usage of materials and construction has won him many awards and honors. "Good architecture is the product of a culture, the expression of a particular age." He has an active interest in Art and Urban Planning through architecture. "America is a 'man-made mess' our cityscapes are an 'aesthetic outrage' and our highways are 'canyons of billboards and honky tonks.'"

## SEMINAR SPEAKER



DR. JOHN E. BUCARD, *Bedford, Mass.*  
Dean emeritus of the School of Humanities and Social Science, Massachusetts Institute of Technology. Widely known as authority on housing and architecture. Currently lecturing on architecture and urban planning at the University of California. As a writer and lecturer, he is a frequent critic of our cities and a philosopher who speaks to man's needs for a physical environment in harmony with his total aspirations.

## SEMINAR SPEAKER



RICHARDSON DILWORTH, *Philadelphia, Pa.*  
Twice elected Mayor of Philadelphia where his programs for urban renewal and mass transportation won him national acclaim. He is recognized as a prime mover in the vast and highly successful rebuilding program in Philadelphia. A practicing attorney, he now serves as chairman of the committee named by the President to develop a transportation program for the Boston-Washington corridor.

# CONVENTION PERSONALITIES

## JOHN GUERIN, *Austin*

Associate professor of art at The University of Texas. Has participated in numerous exhibitions and one-man shows and is represented in various museum collections. Author of articles on Pre-Columbian art and active in recording and study of ancient Indian pictographs for National Park Service. Phi Beta Kappa, Ph.D. from University of Pennsylvania in 1962.

SEMINAR PANELIST

## DR. LEVI A. OLAN, *Dallas*

Rabbi of Temple Emanu-El, visiting lecturer at Perkins School of Theology of SMU, member of Board of Regents of The University of Texas. Widely known for his commentary on our spiritual, cultural and physical environments. He speaks frequently before public groups, to radio and television audiences, is author of several monographs, including "New Resources for a Liberal Faith."

SEMINAR PANELIST

## DAVID OWEN, *Dallas*

Executive vice president and director of the Dallas, Texas Corporation which has announced plans for the multi-million dollar Main Place complex in downtown Dallas. Wide development experience with Webb & Knapp, including Montreal Place Ville Marie project, Wellington Square in London, Ontario, the Yorkdale Shopping Center in Toronto and the Lake City Industrial Park in Vancouver.

SEMINAR PANELIST

## DR. ALFRED NEUMAN, *Houston*

Dean of the College of Arts and Sciences of the University of Houston. His publications mainly in field of the interrelation of literature and music. He is a program annotator for Houston Symphony Orchestra and Houston Grand Opera. This year he served as president of the Houston Contemporary Music Society and as general chairman of the 1964 Houston Festival of the Bible in the Arts.

SEMINAR PANELIST

# CONVENTION PERSONALITIES

## CHAPTER LAYMAN HONOREES

### **A. E. WELLS, Abilene**

Superintendent of Schools. "During 12 years as administrator of school system has supervised spending of approximately \$15 million for schoolhouse construction, successfully bridging the gap between architect and board in such a way as effectively to produce a climate in which good design could flourish." Member, American Association of School Administrators.

### SEMINAR PANELIST

### **DAVID BROWN BARROW, Austin**

Developer of Balcones Park Subdivision and Northwest Hills Subdivision in Austin. Chairman of Austin City Planning Commission and leader in obtaining Austin Master Plan in 1961. Chairman of Austin Town Lake Study Committee and leader in efforts to beautify this lake.

### **R. B. BUTLER, Bryan**

President of R. B. Butler, Inc. and several other businesses. Through his efforts as president of Brazos Area Planning Corp. was instrumental in bringing about recognition in the community of need for a cooperative area plan which has now been realized. Initiated study for downtown redevelopment of Bryan and study for master plan of campus of Allen Military Academy.

### **T. S. SCIBIENSKI, Corpus Christi**

Rancher, farmer, feed lot operator and chairman of the executive committee of Corpus Christi Bank & Trust Co. "Under his direct influence a number of well-designed modern buildings have been constructed in Corpus Christi, including Corpus Christi Bank & Trust Co. building, Executive House, Driscoll Children's Hospital and his own residence. . . "His good taste shows up in everything he does."

### SEMINAR PANELIST

### **EUGENE McDERMOTT, Dallas**

Industrialist, philanthropist, ". . . a man with a sound sense of aesthetics and a ruling passion for excellence. . . His pervading influence is felt in those buildings for which he is directly responsible, but he must also be recognized for committing his awareness to his friends and associates and the institutions touched by his broad range of interests. He is chairman of the executive committee of Texas Instruments Incorporated.

**MARSHALL WILLIS, *El Paso***

As chairman of the Mayor's Citizens Advisory Council of 600 leading citizens, he is directing a study of all phases of the city's life which lead to recommendations for a long-range program of growth. Report will cover El Paso's needs in civic buildings, slum clearance, water, recreation, police and fire protection. He is an executive of El Paso Natural Gas Co.

**MRS. J. LEE JOHNSON III, *Fort Worth***

President, Board of Trustees, Amon Carter Museum of Western Art; member, Board of Regents, The University of Texas; member, Fort Worth City Art Commission. Advocates excellence in architecture. "Through her efforts, Amon Carter Museum of Western Art was developed as a significant architectural achievement which has been termed the most distinctive building in Western America."

**JOHN T. JONES, JR., *Houston***

President of Houston Chronicle Publishing Company, Houston Consolidated Television Company, and Houston Endowment, Inc. He has worked in various ways "to improve the city's image, aid the fulfillment of the Civic Center Plan, thereby enriching the social and architectural quality of the urban environment and in creating an atmosphere in which good design may be attained."

**McHENRY TICHENOR, *Lower Rio Grande Valley***

Chairman of the Harbenito Broadcasting Company. "He is best known throughout the community for his leadership in the move toward the beautification of the business section of Harlingen. A prime mover in the development of a park on Padre Island. Demonstrates a continuing interest in the development of a deepening sense of aesthetic responsibility among laymen."

**A. C. HAMILTON, *Lubbock***

Director of the Parks and Recreation Department of the City of Lubbock. "The considerable contributions made in the creation and maintenance of a most favorable atmosphere in the park system of Lubbock" . . . "Continuing support of good design as evidenced in new park buildings." Member, American Institute of Park Executives.

**J. A. ANDERSON, *North East Texas***

With the State Education Agency. Was superintendent of schools in Lufkin, 1951-61, during development of wide range of elementary and high school plants. "His ideas on school design were in keeping with the time. . . . ever with an eye toward up-to-date concepts in teaching and physical plant." In present capacity, now transmitting his concepts of good design to school superintendents throughout Texas.

**SEMINAR PANELIST**

**SEMINAR PANELIST**

# CONVENTION PERSONALITIES

## CHAPTER LAYMAN HONOREES

### SEMINAR PANELIST

#### **F. V. WALLACE, *Panhandle***

Mayor. Through leadership in special bond issue has set stage for new Civic Center. "As mayor and as chairman of Hospital Committee of Amarillo Area Foundation, Inc. he has contributed much toward the creation of an atmosphere for good design. . . Future growth of Amarillo will benefit greatly from his far-sighted approach."

### SEMINAR PANELIST

#### **DAVID STRAUS, *San Antonio***

Leader in the conception, development and promotion of "The Paseo del Rio" project, a development of the downtown river area to include shops, recreation areas, walkways, river rides and leisure areas. "One of the most significant civic projects ever undertaken in San Antonio. . . a project which will contribute materially to the beauty and charm of this historic city. He is president of Straus-Frank Co.

#### **T. T. HUNT, *Beaumont***

Editor-in-chief of The Beaumont Enterprise and Journal. "As an editor for 22 years has done much to create among laymen an awareness of good design." . . . "He was a member of the citizens committee which worked for the creation of Lamar State College of Technology, and later was chairman of the college's development committee."

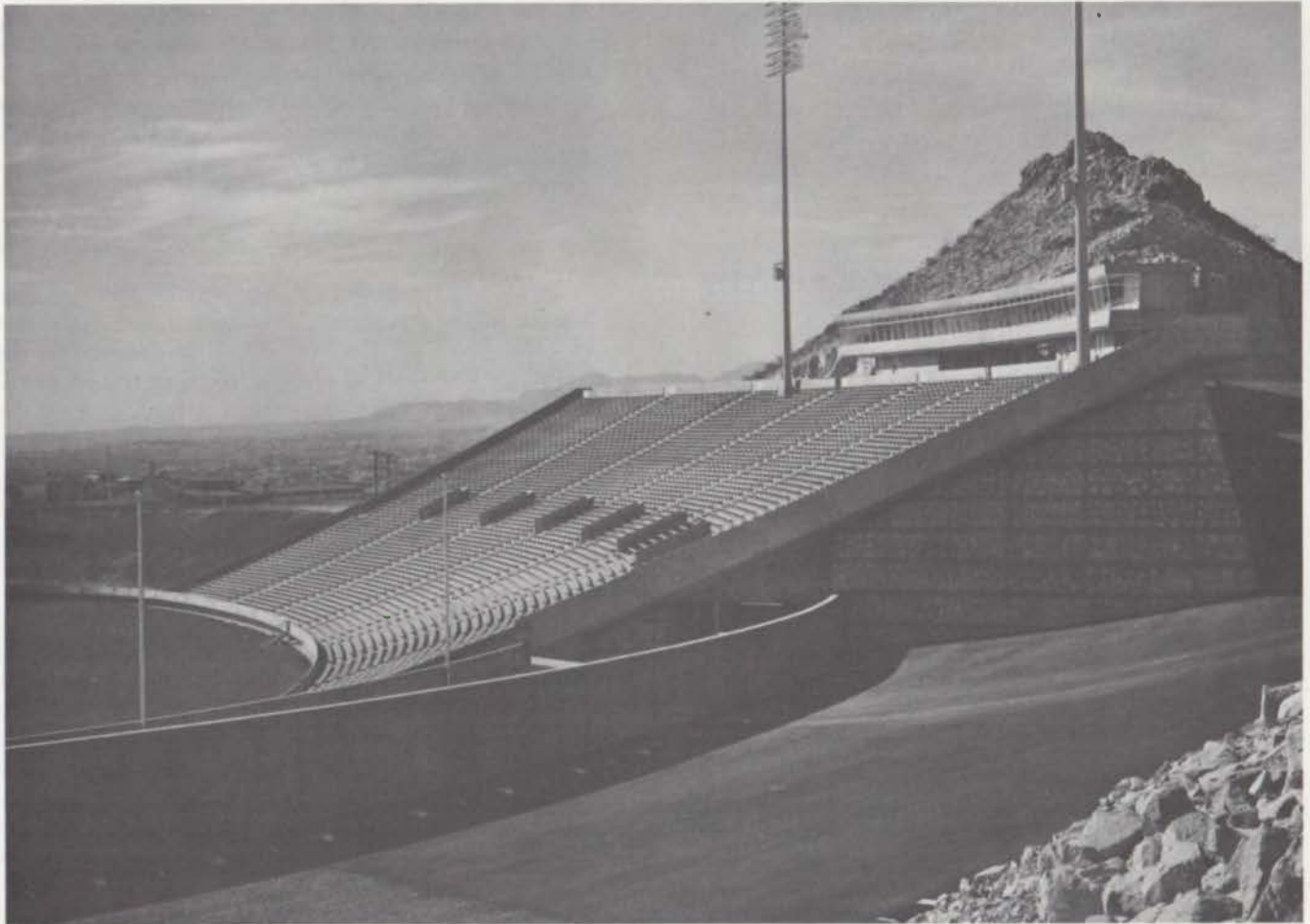
#### **WINSTON BARCLAY, *West Texas***

Local manager of Texas Electric Service Company. Chairman of the 1961 and 1962 Odessa Beautiful Association campaigns when city won second place and then first place for its population category in the 1961 and 1962 "National Cleanest Town Contests." "Coordinated his company's construction of new office building that is a credit in function, structure and beauty to Odessa."

#### **JOE B. McNEIL, *Wichita Falls***

Superintendent of schools since 1947. Has guided school system of Wichita Falls through its period of greatest growth, giving architects a sufficiently free hand to permit the design of buildings with a sound framework of aesthetics. Member of the American Association of School Administrators, winner of Wichita Falls Civitan Club "Outstanding Citizen Award."

TEXAS ARCHITECTURE 1963  
HONORED FOR DISTINGUISHED DESIGN



THE SUN BOWL STADIUM  
EL PASO, TEXAS

ARCHITECTS

CARROLL AND DAUBLE AND ASSOCIATES  
GARLAND AND HILLES

EL PASO

TEXAS

## THE PROBLEM

On a rough, rugged site, of solid rock, with a large arroyo running through the center, the Architects were to design a 30,000-seat football stadium to serve as the home stadium of the Sun Bowl and Texas Western College. The stadium to be easily expandable, to be designed in such a manner that all seats have a good view of the playing field, to have adequate facilities for the Press, necessary access roads, and limited parking areas to be provided.

## THE SOLUTION

The Architects' first consideration was to properly locate the stadium on the 78-acre site. By building the stadium in the large arroyo, taking advantage of natural slopes on both sides, much above grade structure could be eliminated and the flat area to the North could be used as parking. This location also was in close proximity to the college campus, and with the access roads to be built under this contract, easy access will be possible both by vehicular traffic and by pedestrian traffic from the college campus.

Being located on a site completely surrounded by mountains, the Architects felt that the small portions of the stadium visible should recall the slopes of the mountains and be built of material that was compatible; thus the extreme battered walls of concrete and exposed large stones, with the seating area clearly defined by the concrete handrails cantilevered past the supporting walls.

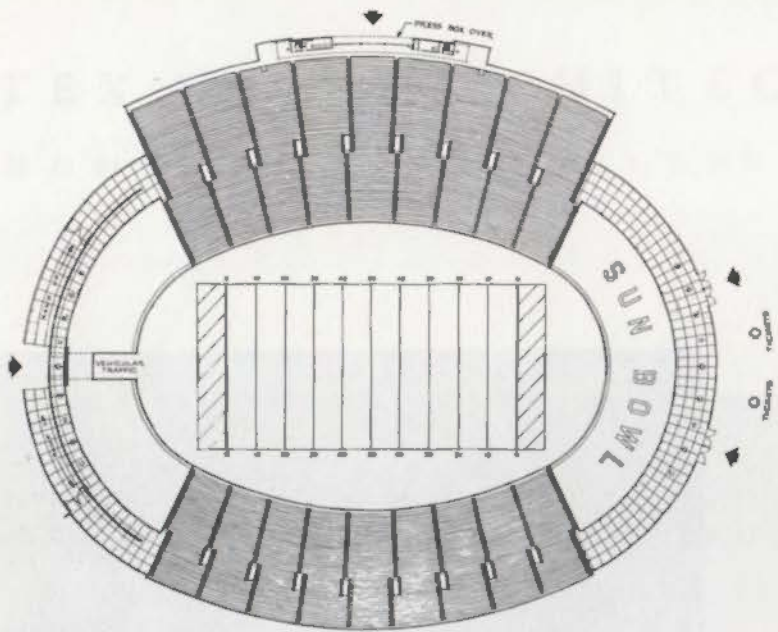
Since most of Texas Western College games are played at night, the stadium is provided with lighting facilities that are to attain 70-foot candles from four lighting standards each with eighty 1500-watt luminaries.

The stadium, serving as a football stadium only, with no provisions for track, allowed the designers to curve the seating areas in an ellipse, in effect facing all seats toward the center of the playing field with no seats in the end zones.

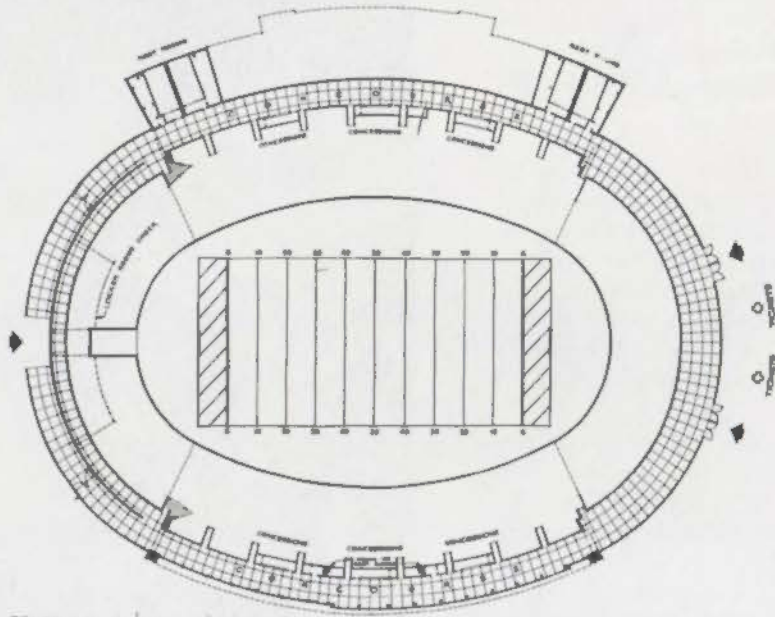
Access to all seats was gained by a concourse, or tunnel, under the seating area, with vomitories to each section at mid-level in the stands, thereby eliminating all horizontal walkways in the stadium area.

The West stand, with 67 rows of seating, has a Press Box above, in what is considered to be its permanent location, and has been so designed that an additional floor can be added. The East stand, of 48 rows, can be expanded to seat an additional 8,000 and the end zones can be closed to form a complete bowl and can increase the seating capacity by an additional 28,000 seats, or a total of 66,000 seats.





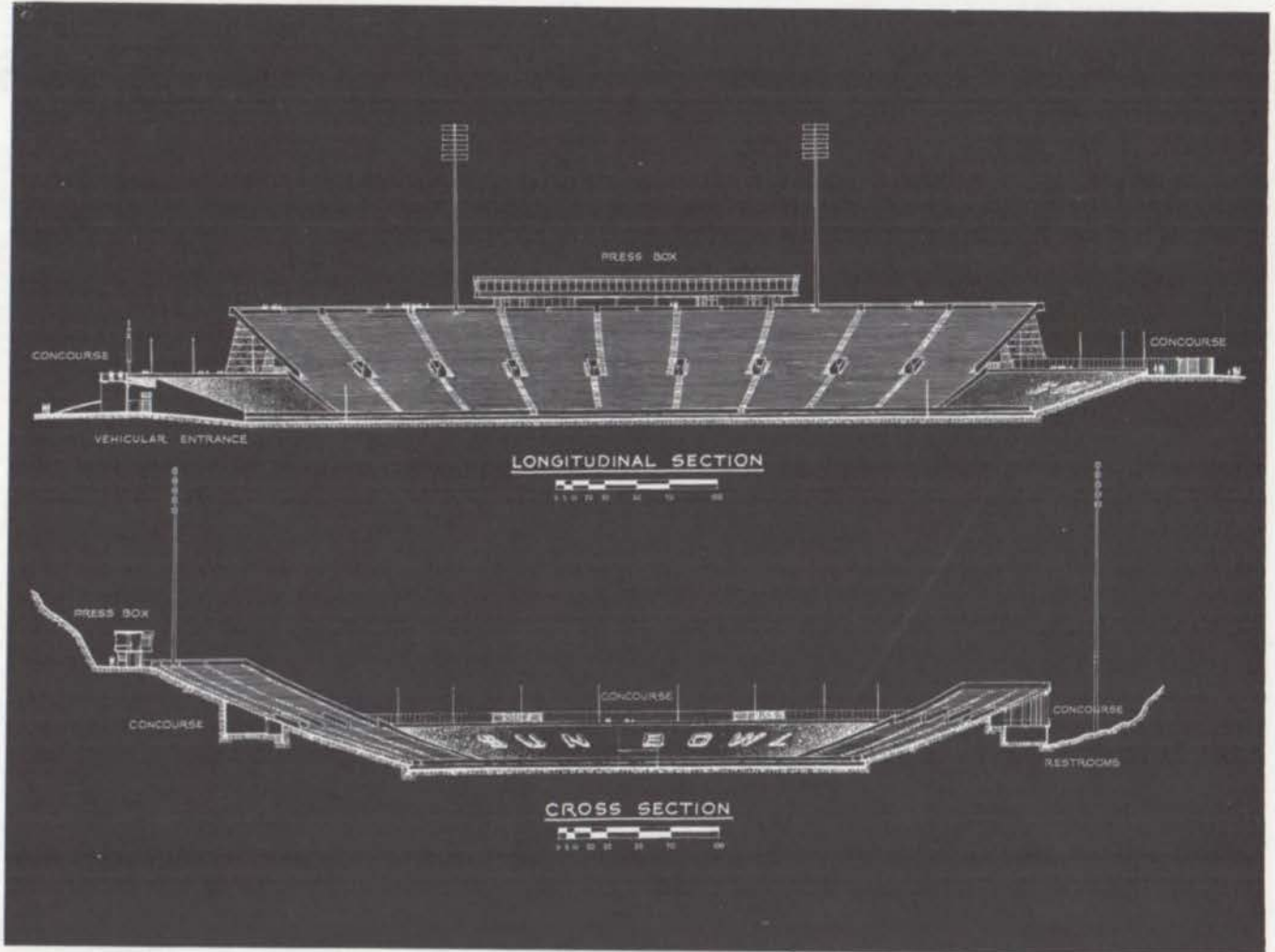
SEATING PLAN  
1:1000 0 10 20 30 40



CONCOURSE PLAN  
1:1000 0 10 20 30 40







## THE SUN BOWL STADIUM

**MATERIALS AND CONSTRUCTION**  
 Poured in place concrete was used throughout with native rock exposed in the wall areas only. Seating is edge grain fir on cast iron brackets.

## THE SUN BOWL STADIUM

# MEMBERSHIP ROSTER

## TEXAS SOCIETY OF ARCHITECTS

1964-65

### ABILENE CHAPTER

#### Corporate

Boone, Daniel, 262 Leggett  
Bridges, John M., Jr., P. O. Box 5286  
Brown, Woodlief F., 416 Mims Building  
Buzard, Richard, P. O. Box 5622  
Hinton, Joseph De Shane, Brownfield Bldg., Snyder  
Luther, John Joseph, 542 Butternut  
Semple, William S., Box 12, Brownwood  
Tittle, James Donald, 542 Butternut

#### Professional Associate

Bahnert, Reuben E., 262 Leggett  
Graves, Wm. L., 262 Leggett Drive  
Graves, William L., 262 Leggett Drive  
Pope, William A., 262 Leggett Drive  
Price, Homer Lester, Jr., 262 Leggett Drive  
Wheeler, James H., 262 Leggett

#### Associate

Brodly, Jarrold, 3621 N. W. 20  
Oklahoma City, Oklahoma  
Delay, Flakie R., 3150 So. 21st Street  
Helton, Ronald, 542 Butternut

### AUSTIN CHAPTER

#### Fellow

Brooks, R. Max, 203 Perry Brooks Building  
Creer, Philip D., School of Architecture,  
University of Texas  
Fehr, Arthur, P. O. Box 93  
Page, Louis C., Jr., Box 855  
Southernland, Louis F., P. O. Box 855

#### Corporate

Allen, John Chiles, 2914 Pearl  
Barnes, Jay W., 1013 E. 38½ Street  
Barr, Howard R., 203 Perry Brooks Building  
Barrow, David Brown, Jr., 6705 Edgefield  
Bible, Phillip L., Jr., 2402 Westover  
Bowman, Jon A., 6801 Edgefield Drive  
Brush, Carlton, 4000 Lullwood Road  
Carleton, Charles Samuel, Jr., 1905 Pecos  
Castle, Henry G., 1101 Nuaces Street  
Chamlee, William Post, 802 First National Bank Bldg.,  
Temple  
Cloutier, J. Jack, P. O. Box 398, Shiner  
Coates, Paul Noyce, Jr., 600 Western Republic Bldg.  
Collier, William W., Jr., 2803 Greentown Parkway  
Crow, James W., 1101 Nuaces Street  
Crume, Herbert C., 2816 Hemphill Park  
Danze, Leopold P., 1101-C West 40th  
Davis, Harold R., 1101 C West 40th Street  
Day, Fred W., Jr., 504 West 24th  
Dean, Thomas Scott, 3606 Bonnie Road

#### Professional Associate

Bynes, Robert, 1472 Red Bud Trail  
Coffee, Robert F., 2200 Rabb Road  
DeBois, John Allen, 2403 Jarratt  
Gannaway, Herbert S., Office of Supervision Architect,  
Service Building, Room 311  
The University of Texas

Goodman, Jack C., 1013 East 38½ Street  
Happel, O. Carl, Jr., 1206 Fairwood Road  
Kuykendall, James M., 2007 Melridge Place  
Martin, William Joseph, 1605 Ridgemont  
Nill, John S., Jr., 1103 Brentwood  
Pfluger, James, 2901 Westhill Drive  
Placek, John W., 600 West 28th  
Pressler, Raul, 2520 Spring Lane  
Ridgeway, Anne, 2000 Guadalupe  
Thomas, Will R., 701 East 11th Street  
Whitson, Frank E., Jr., 2410 San Antonio Street

#### Member Emeritus

Thomas, Roy L., 2812 Hemphill Park

### BRAZOS CHAPTER

#### Fellow

#### Member Emeritus

Langford, Ernest, Box 4172 South Station,  
College Station

#### Corporate

Elkins, E. Harzell, 316 System Administration Bldg.,  
Texas A & M University System,  
College Station  
Estes, Charles E., 100 W. Brookside, Bryan  
Evans, Ben H., The American Institute of Architects,  
1735 New York Ave., Washington 6, D.C.  
Hildebrandt, Edward F., Washington County State  
Bank Bldg., Brenham  
Halleman, Theo. R., School of Architecture,  
Texas A & M University, College Station  
Josey, Henry Campbell, 607 West 29th Street, Bryan  
Matthews, Wilbur R., 100 W. Brookside, Bryan  
Marrell, Ernest Earl, Jr., 2915 Texas Avenue, Bryan  
Nash, Wm. E., Box 311, Bryan  
Ramienac, Edward John, School of Architecture,  
Texas A & M University, College Station  
Vrooman, Richard, APO 143 Box DAC,  
c/o Postmaster, San Francisco, Calif.  
Wagner, William G., 1331 Northeast 8th St.,  
Gainesville, Florida 32601  
Walden, James, APO 143 Box DAC,  
c/o Postmaster, San Francisco, Calif.  
Watson, Charles R., 206 Brookside Dr., Bryan

#### Associate

Godwin, Charles J., 2317 Franklin, Bryan  
Johnson, James E., 100 North Crockett, Cameron  
Langford, Prof. Ernest, Box 4172 South Station,  
College Station  
Rotsch, Melvin M., School of Architecture,  
A & M University, College Station  
Steward, W. C., School of Architecture,  
Texas A & M University, College Station  
Watson, Charles Richard, 206 Brookside Drive, Bryan

## DALLAS CHAPTER

### Fellow

Bennett, J. Murrell, 2814 Fairmount  
Dahl, George L., 2101 N. St. Paul  
DaWitt, Roscoe P., 2025 Cedar Springs Avenue  
Fisher, J. Herschel, 725 Southland Center  
Harrill, George F., 819 Republic Bank Building  
Howard R. Meyer, 2727 Oak Lawn  
Nelson, Donald S., Mercantile Dallas Building,  
1807 Commerce  
Tatum, Herbert M., 2812 Fairmount  
Thomas, Arthur E., 820 N. Harwood

### Corporate

Adams, Jay H., 211 N. Ervay, Rm. 1408  
Adams, Moffatt D., 701 Exchange Bank Building  
Aguirre, Pedro, Jr., 4447 N. Central Expressway  
Altschlagler, Walter W., 3511 Hall Street  
Alexander, George, 920 Great American of  
Dallas Building  
Allan, Robert Stanley, 321 Hanover Lane, Irving  
Anderson, Jacob Edward, 610 Thomas Building  
Bair, Rayden S., 6055 Norway Road  
Benson, William E., 3415 Cedar Springs  
Beran, Ed E., 1900 Vaughn Building  
Berry, Harold A., 7147 Carpenter Freeway  
Biederman, Sam, 1220 National Building  
Bishop, Eugene H., 2726 Reagan  
Boatwright, Cecil Miller, Jr., 1948 Kessler Parkway  
Boerder, Eugene F., 3506 Royal Lane  
Calleja-Borges, William Ferdinand, 3810 Frontier Lane  
Box, John Harold, 3526 Cedar Springs Road  
Braden, David R., 200 W. Colorado  
Brooks, La Vere, 4310 East Westside Drive  
Brown, John Hall, 1st Bank & Trust Building,  
Suite 440, Richardson  
Brown, Stanley, 6012 Cedar Springs Road  
Broyles, Kent Ira, 3415 Cedar Springs Rd.  
Buford, Frederic S., Rio Grande National Building  
Burns Paul E., 311 S. Akard  
Buskirk, Phillip K., 5107 Woodland  
Cape, George W., Jr., 3619 Howell  
Canaan, Gresham, 4700 St. Johns Drive  
Cavitt, L. C., Jr., 701 Vaughn Building  
Chapman, Jay L., 424 N. Rusk, Sherman  
Christensen, George E., 6038 Bevere  
Cline, Robert W., 910 Spring Valley Plaza,  
Apt. 137, Richardson  
Clutts, James A., 211 N. Ervay Bldg.  
Collins, G. Mallory, 2921 Fairmount  
Cooper, Peyton G., 706 Gibraltar Life Building  
Corgan, Jack M., 1019 Great American Building  
Craycraft, Jack, 8118 Westchester  
Crittenden, Norman W., 2814 Fairmount  
Crown, Phillip T., 323 E. Jefferson  
Danna, John B., 2902 Reuth  
Davis, Edward C., Mercantile Dallas Building,  
1807 Commerce  
Davis, Tie D., 2609 Cedar Springs Road  
Decker, Howard G., 3631 Cedar Springs Road  
DeFonds, Ardery V., 9823 Carnegie Drive  
Dezurko, Edward R., Department of Art,  
Austin College, Sherman  
Dryden, Horace Ewing, Jr., 2921 Fairmount  
Edwards, George W., 1509-A Cochran  
English, Hugh, U. S. Public Health Service,  
1114 Commerce  
Falls, Miles Edward, 4519 Normandy  
Feinberg, Raymond S., 6617 Snider Plaza  
Foster, Dales Young, 12528 Coventry Road  
Gallogher, John W., 9835 Estacado  
Gamble, Eugene B., 601 Braniff Building  
Gleason, Howard W., 13616 Preston Road  
Gill, Grayson, 1913 San Jacinto  
Goodwin, Robert D., 701 Vaughn Building  
Gordon, Joseph F., 300 Blackburn  
Griffin, Joseph A., 6767 Baker Fair Circle  
Grogan, Douglas R., 1711 West Irving Boulevard,  
Irving  
Guize, Edward H., 414 S. Thornton Fairway  
Hainze, Thomas W., 6020 Cedar Springs, Rm. 108  
Hallum, Vernon Aubrey, 3415 Cedar Springs  
Hamilton, Earle Grady, Jr., 819 Republic Bank Bldg.  
Harrison, Fred L., 2025 Cedar Springs  
Harper, Terrell R., 920 Great American of  
Dallas Building, 2020 Live Oak  
Hemphill, Jack, 9910 Parkford Drive  
Henderson, Phillip C., 3526 Cedar Springs Road  
Hidell, William H., Jr., 3000 Turtle Creek Plaza  
Hilliard, J. Edward, 7600 Carpenter Freeway  
Huddleston, Norman Harper, 601 Braniff Building  
Jarvis, Donald Edward, Republic Savings Building,  
3636 Lemmon  
Jarvis, Harold Duane, Republic Savings Building,  
3636 Lemmon  
Jeffery, Jerry Quincy, 1706 North Bristol Court, Irving  
Jones, Harold W., 200 West Coloada  
Keller, Billy Ray, P. O. Box 30506  
Kemp, Harris A., 920 Great American of  
Dallas Building, 2020 Live Oak  
Kleinschmidt, Donald 2268 Springhill  
Lacey, Neal Terry, Jr., 2727 Oak Lawn, Rm. 228  
Lacy, David L., 3716 Shenandoah  
Lane, Clifford J., 601 Braniff Building  
Leinbach, Charles H., 723 East Ninth  
Leinbach, Jesse Leo, 723 East Ninth  
Lightfoot, Will H., 10 First Street, N.E.  
MacCammon, James N., 112 Meadows Building  
McClure, Wilson, 3906 Lemmon

McCown, Palmer, 515 M. & P. Bank Building,  
Sherman  
McGill, George Campbell, 112 Meadows Building  
Malone, Gary Rodger, 2206 Ridgeway, Arlington  
Miller, Mark Edwin, Jr., 1621 Faircourt, Irving  
Miller, Tom Park, 711 West Sycamore, Denton  
Mills, Joseph M., 8215 Watchtower Drive  
Minor, Charles Carter, 3114 Fairmount  
Morey, Arthur W., Jr., 219-2608 Inwood Road  
Morgan, Jack Hubert, 701 Great American Building,  
2020 Live Oak  
Moseley, Hal Millard, 2030 North Henderson  
Moss, Leland Mark, 4646 Hallmark  
Newbury, Alvin Lee, 4512 Emerson  
Norris, Robert H., III, 2617 Fidelity Union Tower  
Oglesby, Ensle Orsen, Jr., 2906 North Fitzhugh  
Parker, Howard Charles, 211 North Ervay Building  
Pask, Neil E., 1st Bank & Trust Building, Richardson  
Perkins, John A., 2203 1/2 Cedar Springs  
Perry, Robert J., 4310 G. Westside  
Phinney, Temple, 2512 Cedar Springs Road  
Pierce, A. H., 2708 Routh  
Pierce, John Allen, 7007 Arboreal  
Pratt, James Reece, 3526 Cedar Springs Road  
Prinz, Harold, 4310 E. Westside Drive  
Putty, Paul G., Jr., 203 Republic Savings Building,  
3636 Lemmon  
Rich, Joe Lynn, 2727 Cedar Springs  
Richie, George Robert, 506 Southland Center  
Richter, Will S., 3704 Abrams Road  
Roth, Carl H., 820 East Arapahoe Road, Richardson  
Salem, Albert Richard, 7007 Preston Road  
Sandfield, Max M., 3722 Bowser  
San Miguel, Rudolph R., 506 Southland Center  
Staggins, J. Harvey, 1711 W. Irving Boulevard, Irving  
Sentell, Gordon Douglas, 6936 Forest Lane  
Shelmirer, Overton, 1900 Vaughn Building  
Shields, Harry S., 1900 Vaughn Building  
Sibeck, Gordon, 6446 Lupton Drive  
Smith, E. Carlyle, P. O. Box 1288, Grand Prairie  
Smith, Harwood Knox, 506 Southland Center  
Smith, J. Murray, 4522 Fairway  
Smith, James Wadsworth, 2151 Ft. Worth Avenue  
Smith, Stanley Swinford, 601 Braniff Building  
Smith, Vernon S., 2151 Ft. Worth Avenue  
Spillman, Pat Y., 725 Southland Center  
Stanley, Thomas E., 3707 Rowlin, Box 1554  
Stinson, Robert, 2515 Malbourne Avenue  
Stueber, Theodore H., 5410 McCommas  
Summers, William Carl, 3514 Cedar Springs  
Swank, A. B., Jr., 3415 Cedar Springs  
Tatum, A. J., 2025 Cedar Springs Road  
Terrazas, Nick, 5901 Goodwin Street  
Thomas, Dawning A., 3415 Cedar Springs  
Thomas, Raymond F., Grayson Co. State Bank,  
Sherman  
Thompson, John R., 2001 McKinney, Suite 301  
Todd, John Stewart, 122 South Shore  
Uoshaw, Forrest, Jr., 509 Hoel Street  
Vaughn, Harold, 5825 Kenwood  
Wassell, John W., 8641 Rolling Rock  
Watson, Stanley G., 2727 Oak Lawn  
Westfall, Delbert C., 820 North Harwood, Rm. 501  
White, Latham, 425 S. Field Street  
White, Robert D., 212 Thomas Building  
Wiley, James E., 3739 Binkley  
Wiltshire, John P., 2030 N. Henderson  
Wingo, Wm. J., 3415 Cedar Springs  
Witchell, Charles B., 2214 Cedar Springs  
Wang, Wm., Jr., 4639 Insurance Lane  
Wood, Jack, 3415 Cedar Springs  
Woodward, Thomas E., 6959 Arboreal  
Wright, Ernest, Jr., 2727 Cedar Springs  
Wright, James S., 2025 Cedar Springs Road  
Wrightsmen, Don, 3415 Cedar Springs  
Yarbrough, David B., Room 1316-Hartford Building  
Young, David Arnold, 2211 Swansee

### Professional Associate

Anderson, Aubrey D., 13022 Copenhill Road  
Bennett, Edward M., 2814 Fairmount  
Bozzetta, Bill Custas, 8635 Sans Souci  
Bradshaw, Ronald Glen, 3128 Milton  
Brooks, R. Gene, 8160 San Benito Way  
Brummett, William R., 643 Cambridge Drive,  
Richardson  
Cape, George W., Jr., 7723 Claremont  
Cinotti, Frank James, 3600 Mockingbird  
Dabney, Louis, 3515 Swiss Avenue  
Elkins, Harvey E., 2662 Roger Williams, Irving  
Floyd, James W., 11319 Coral Hills Drive  
Gill, G. Douglas, 4621 Edmondson  
Glosser, Estabrook, 3236 Purdue  
Hawitt, Chester H., 2704 Westminster  
Hughes, Le Roy L., 308 S. Akard  
Jones, J. Tom, 3350 Shady Hollow Lane  
Kelman, Ralph, 11111 N. Central Expressway  
Kerr, Edward L., 1143 Brunner  
Knowles, Thomas G., 10223 Garland Road  
Kuhlmann, Joseph J., 821 Overglan  
Lee, Woodrow Roy, Jr., 5010 Bowser, Apt. 207  
Manos, Peter N., 3616 Howell  
Martinsons, Hermanis, 4515 Prantice  
Matthies, Harry Ernest, 8924 Capri Drive  
McFadyen, Robert W., 9731 Ash Creek Drive  
McGrew, William E., 7828 Idlawood  
Meier, Frank L., 505 N. Ervay, Suite 2727  
Morton, Marion D., Jr., 634 Newberry Drive,  
Richardson  
Palmer, Fred Niles, Jr., 703 Nesbitt  
Pluggo, Roman C., 10230 Longmeadow Drive  
Romsay, Ross L., 5836 Live Oak

Roberts, James H., 4225 Shenandoah  
Russell, James A., 4616 Southern  
Rutherford, Gene Rankin, 3715 Durango  
Selzer, Dale E., 2806 Hood  
Skipper, Carlton, 3515 Travis  
Summey, Orville M., 1915 Myrtlewood Drive  
Tucker, Oliver T., 1714 Winthrop, Irving  
Tung, Albert K. H., 749 Clover Lane  
Walls, Larry F., 1023 Tipperary Drive  
Winstead, James R., 2917 Hood  
Volk, Leonard, 4115 Central Expressway  
Yast, William George, 2001 McKinney, Suite 301

### Associate

Badaracco, John E., 2963 Tallman Drive  
Bullock, James R., 3613 Hanover Lane, Irving  
Casper, John C., Jr., 3056 McFarlin  
Cooper, James F., 3752 Matador Drive  
Couch, James M., 1137 Misty Gleen  
Dakin, Wm. Edward, Jr., 3211 High Lark  
Halford, Robert L., 8827 Lanarkshire  
Hall, Allan W., 6416 Del Norte  
Hamblitt, Gus, 4206 Hawthorne  
Hawes, Yelpeau E., Jr., 2615 Mountain Lake Road  
Heath, Jerry, 4717 Lahoma  
Hibbard, Wm. John, Jr., 3410 Dartmouth  
Hill, Herman Earl, Jr., 5603 Vanderbilt  
Holden, Eugene Patrick, 3101 Cornell  
Jones, Robert Howard, Jr., 7824 Blackbird Lane  
McCarroll, Roy J., 2122 St. Francis  
Marinick, Otto A., 7103 Shoak  
Milburn, Joe W., 4099 Hawthorne  
Miranda, R. V., 833 Valley View Drive,  
Grand Prairie  
Moore, Harvey Glyn, 630 Ridgedale, Richardson  
Newton, Charles Chartier, 305 Hensel, Bryan  
Rash, Paul J., Jr., 6733 Santa Anita  
Richey, J. Harvey, 4006 Roswell  
Schaenleber, George L., 3211 Vernon, Apt. 204  
Schumann, Al, 9304 Milroy Place,  
Washington, D. C. 20014  
Sinclair, Carroll Mart, Jr., 5111 East Side Avenue,  
Apt. 203  
Tolley, Ken Michael, 946 Fairwood  
Tunnell, Roy L., 5818 East University Blvd.  
Vander Hoya, Herbert Austin, 935 Louisiana  
Warder, Marshall H., Box 1288, Grand Prairie  
Watson, R. Mickey, 3714 W. Cronston Ct., Irving  
Warrell, Gerald H., 5630 Mercedes

### Members Emeritus

Broad, Thomas D., Mercantile Dallas Building,  
1807 Commerce  
Bryan, Ralph, 2811 Hood  
Cheek, James B., 1901 1/2 N. Harwood  
Hill, Bertram C., 5528 Live Oak  
Kleuser, M. C., 318 Cadiz  
Overbeck, Clarence E., 6434 Park Lane  
Porter, I. D., 6910 Robin Road  
Teipel, Albert H., 1424 Kings Highway  
Thompson, Henry B., 5319 Nakama  
Waerner, F. J., 6442 Vanderbilt

### TSA Members

Alexander, R. E., Jr., 3704 Abrams Road  
Metcalf, J. E., Jr., 1107 W. Fifth, Corsicana  
Pitzinger, J. A., 1416 Commerce  
Reed, William D., Jr., 530 Mercantile Securities Bldg.

### Honorary Members

Bywaters, Jerry, Director, Dallas Museum of Fine Arts  
Houston, L. B., Director of Parks,  
Park and Recreation Dept., City Hall  
Marcus, Stanley, President, Naimon Marcus Co.  
Springer, Marvin R., Urban Planning Consultant,  
2020 Fidelity Union Tower  
Swindle, D. D., 211 East Eighth  
Thorton, R. L., Mercantile Bank

## EL PASO CHAPTER

### Fellow

Carroll, Edwin W., Suite 303, IBM Building,  
2501 North Mesa

### Corporate

Boyd, William D., 5933 Gateway  
Bynum, M. O., 8327 Sageland Way  
Carter, Gilbert Buie, 2010 Grant Avenue  
Crocker, Theodore, 765 Bittersweet  
Daouble, Louis, Jr., Suite 303, IBM Building,  
2501 North Mesa  
Davis, Ralph Vernon, 1006 Mills Building  
DuSang, George, Jr., 2501 North Mesa  
Fabra, Harry M., c/a University Towers  
Fouts, Robert Warren, 1429 E. Yandell Drive  
Garland, Robert D., Jr., 1551 Montana  
Henry, Charles Lynn, Suite A-5,  
International Merchandise Mart Bldg.  
Henry, Donald Farrington, A-5, The Mart Building  
Higgins, Clarence, 827 E. Yandell Blvd.

Hilles, David Ellsworth, Jr., 1551 Montana  
 Kent, Stephen W., 2800 North Stanton  
 Kuykendall, Walter E., Jr., 5801 Trowbridge  
 Lane, Harry D., 5933 Gateway Boulevard, West  
 Langford, James Monroe, 702 East Yandell  
 McCombs, Clinton L., 5801 Trowbridge  
 Middleton, Sam T., Jr., 1212 Montana Avenue  
 Monroe, James E., Jr., 827 E. Yandell Drive  
 Nesmith, B. Rea, 5933 Gateway Boulevard, West  
 Skelton, James, 2501 North Mesa  
 Skidmore, Dickson, M., 702 East Yandell  
 Stanley, Duffy B., 308 Bassett Tower  
 Staten, George C., Jr., Middleton and Staten,  
 Architects, 1212 Montana Avenue  
 Thorpe, W. F., Jr., 1001 Mills Building  
 Vail, Samuel U., 308 Bassett Tower  
 Waterhouse, Ewing E., 2501 North Mesa  
 Young, Carl J., 823 Chile Street

**Professional Associate**

Benner, A. V., Sr., 310 El Paso Natl. Bank Bldg.  
 Foster, J. P., 1001 Mills Building  
 Hunt, James C., 827 E. Yandell Drive  
 Rand, Pat, Suite 303, IBM Building, 2501 North Mesa  
 Sawtelle, Gilbert G., 6237 Snowheights

**Members Emeritus**

McGhee, Percy W., 3015 North Florence  
 Thorman, Otto H., 3101 Durazno  
 Wuehmann, William G., Southwest Natl. Bk. Bldg.,  
 310 North Stanton Street

**Associate**

Bullock, Luther V., 5933 Gateway  
 Carson, John M., 5933 Gateway Boulevard, West  
 Corning, Mauricia F., Jr., 3204 McKinley Avenue  
 Cunningham, Jonathan R., 408 San Saba  
 De Villier, Charles, 1551 Montana  
 Felipe, Ramirez, 4936 McGregor Drive  
 Fischer, Herbert M., 5933 Gateway Boulevard, West  
 Meisel, Martin Joseph, 4207 Montana  
 Pellati, Agostino, Jr., 4207 Montana  
 Schaefer, Hilpert, 713 North Kansas

**FORT WORTH**

**Fellow**

Patterson, J. J., P. O. Box 9048

**Corporate**

Adams, Charles Rufus, 600 Bailey, Suite 211  
 Barfield, Cecil Aubrey, 2408 Oak Grove Rd.  
 Bibb, Sumner T., 111, 3309 Winthrop  
 Boese, Olin, Jr., 3745 Winthrop, Apt. C  
 Boese, Olin, Sr., 2712 Annis Lt.  
 Buchanan, James C., Jr., 2945 Timberline Drive  
 Burnett, Richard E., 3022 Sandage  
 Chambers, Robert W., 2901 Bilgrade Road  
 Chromaster, William Wells, 4433 Pleasant St.  
 Clark, Clifton Gilbert, T & P Passenger Bldg.—1004  
 Cox, Herman G., 415 Neil P. Anderson Building  
 Crane, George S., 2304 Edwin  
 Cronin, M. E., P. O. Box 1927  
 Daeley, Paul M., 8005 Pinewood Dr.  
 Digby-Roberts, F. W., 1205 Clover Lane  
 Dunlap, Jay Teel, P. O. Box 9048  
 Echols, William W., 3024 5th Avenue  
 Easterwood, Birch D., Neil P. Anderson Building  
 Eiting, Tommy H., 3305 Creston Avenue  
 Eppelty, Don, P. O. Box 9048  
 Fowler, Samuel Donald, 4001 Driskill Blvd.  
 Green, Preston M., Jr., 1125 Ft. Worth Natl. Bk. Bldg.  
 Green, Preston M., Sr., 1125 Ft. Worth Natl. Bk. Bldg.  
 Hannred, Lee Ray, 1328 Stafford Drive  
 Hamm, T. Z., II, Kneer & Hamm Architects,  
 1804 Continental National Bank Bldg.  
 Harden, T. E., Jr., 1125 Ft. Worth Natl. Bank Bldg.  
 Hallis, Chester Roland, Jr., 3728 West Seventh St.  
 Huappelsneuer, Clyde R., 314 Ft. Worth Club Bldg.  
 Jelinek, Robert, 6304 Kenwick  
 Johnson, John Buford, Sr., 819 Penn St.  
 Kelley, Charles H., P. O. Box 9048  
 King, Arthur George, 819 Penn Street  
 Kneer, William C., Jr., Kneer & Hamm Architects,  
 1804 Continental Natl. Bank Bldg.  
 Koeppe, Earl E., 1502 W. T. Waggoner Bldg.  
 Kamatsu, Albert Shigeki, 8304 Saddle Trail  
 Lane, William R., 255 University Plaza Bldg.  
 McAdams, Albert Carlton, 247 Majestic Bldg.  
 Malin, Alfonso W., 4737 South Drive West  
 Maples, Horace C., 4205 Whitfield  
 Madge, Dick C., 2570 Highview Terrace  
 Padgett, Sidney T., 2509 West Berry  
 Parker, Morris B., P. O. Box 1927  
 Pelich, Joseph R., 800 Trans-Amr. Life Bldg.  
 Pflaffer, Charles J., 6348 Darwood  
 Pihls, Roy, 6406 Ederville Road  
 Schults, Jack Arthur, 1125 Ft. Worth Natl. Bk. Bldg.  
 Scudiero, Joseph S., 4067 W. 7th Street

Shelton, Dorland Carol, 3327 Winthrop  
 Shupee, George W., 1625 So. Davis St., Arlington  
 Smith, F. Olin Smith, 2029 Huntington Lane  
 Sawden, George S., P. O. Box 9048  
 Stuart, Lee, Jr., 2808 Bledsoe  
 Tinkler, Arlene Tad, (Miss), 7304 Marilyn Lane  
 Tomlinson, De Witt F., 3729 Cresthaven Terrace  
 Vowell, J. D., 1612 Electric Building  
 Wharton, Paul Clayton, 2017 Millcreek Drive,  
 Arlington  
 White, Lawrence Dale, 6032 Wedgemont Circle  
 White, Warren G., 3817 W. Rosedale,  
 West Expressway  
 Wolfe, Howard C., 3914 Modlin  
 Waltz, Robert P., Jr., 3433 Dorothy Lane South  
 Young, Emery O., Jr., 3812 Elridge

**Professional Associate**

Bailey, Don, 611 Main, Big Spring  
 Baker, Stanley James, Jr., 809 Neil P. Anderson Bldg.  
 Bandy, Bobby Dale, 6328 Darwood  
 Barnes, Ray Dean, 3536 Northaven Road, Dallas  
 Beal, George L., 3254 Medina  
 Beach, Richard C., Rt. 10, Box 651 E  
 Davis, Jerry Clifford, 2404 Miriam Lane, Arlington  
 DeMuth, Capt. William J., Jr., Chateau De Ville,  
 550 8th Ave.

Dackstader, Eugene, Embassy East, Apt. 503-A  
 England, James R., 3912 Micki-Lynn Avenue  
 Green, Henry L., 3612 Shelby Drive  
 Grossman, Ernest W., Jr., 3541 Garwood  
 Hendricks, Wm. M., 1122 Bonnie Brae  
 Jackson, Edward D., 3232 McCart  
 John, Edward C., P. O. Box 2353  
 Jeanes, Ben H., 2869 Hunter Street  
 Johnson, Charles R., 4025 Driskill  
 Koeppe, Earl Paul, 1800 Sunset Terrace  
 Mikusek, Alvin J., 2010 Woods Drive, Arlington  
 O'Toole, Charles Lee, 4617 Strong  
 Pierce, Alvin E., 3605 Wedgill Way  
 Perkins, Robert, 4509 Live Oak, Apt. 202  
 Reavis, Willard, 1115 Lynda Lane, Arlington  
 Riley, William C., Jr., 2904 W. Boyce  
 Vacker, Laurance C., 1700 Warren Lane

**Associate**

Alread, L. Cameron, Jr., 2901 Travis Ave., Apt. 28  
 Bartel, Albert R., 3416 Bilgrade Rd.  
 Brown, Tom, 7001 Dover Lane  
 Cecil, Oscar B., 3524 Plymouth  
 Palmer, Donald Philip, 3208 Binyon  
 St. Clair, Clyde, 4528 Rutland  
 Stone, Henry, 4720 St. Lawrence Road  
 Woolen, James R., 3720 Woolen Drive  
 Wright, Robert Lee, 3616 N. Littlejohn

**Members Emeritus**

Capelle, A. J., 800 32nd Ave. S.,  
 St. Petersburg, Fla.  
 Wilson, Edw. L., P. O. Box 9048

**HOUSTON CHAPTER**

**Fellow**

Barthelme, Donald, 11 North Wynden Drive  
 Briscoe, Birdall P., 2317 Claremont Lane  
 Brown, Hamilton, 3270 Sul Ross  
 Calhoun, Harold E., 2506 Rixon  
 Caudill, William W., 3636 Richmond Ave.  
 Chilman, James, Jr., P. O. Box 1892  
 Cowell, C. Herbert, 5110 Chevy Chase  
 Goleman, Albert S., 5100 Travis  
 Kamrath, Karl F., 2713 Ferndale  
 Lloyd, Herman F., 4507 Mt. Vernon  
 MacKie, Fred J., Jr., 2713 Ferndale Place  
 McGinty, Milton B., 2425 Ralph  
 Morris, S. I., Jr., P. O. Box 66216  
 Nunn, Stanton A., Sr., 11122 Claymore Drive  
 Payne, Harry D., P. O. Box 22311  
 Pierce, George F., Jr., P. O. Box 13319  
 Rather, John T., Jr., 2814 Virginia  
 Rolfe, Walter T., 5100 Travis  
 Staub, John F., 2814 Virginia  
 Wilson, F. Talbot, P. O. Box 66216

**Corporate**

Alexander, Earle S., Jr., 3203 Mercer  
 Alexander, Woodrow W., 2712 Southwest Freeway  
 Amyx, Boone, 4824 South Main  
 Anderson, Ralph A., Jr., P. O. Box 66216  
 Andrews, Lavone D., (Mrs.) 8 Shodor Way  
 Applebaum, Hyman A., 519 Sul Ross, Bellaire  
 Baer, David C., 1200 Bissonnet  
 Barnstone, Howard, 1914 West Capital  
 Beasley, Oren Smith, 5650 Cheana  
 Belsher, Horace E., 1529 Maryland Avenue  
 Bentsen, Kenneth, 200 Southwest Tower,  
 707 McKinney  
 Bernstein, Lawrence, 3101 Richmond Avenue

Berry, James R., 5242 Hummingbird  
 Biering, Robert, 11602 Black Forest  
 Bigbee, William Lynn, 2727 Buffalo Speedway  
 Bishop, James A., 7035 Bellfort Blvd., Suite 401  
 Blackstone, Wm. C., 3100 Richmond Ave., Suite 500  
 Bodet, Edward, 3315 Groustark  
 Bolton, Preston, 5111 Woodway, Suite 101  
 Borget, Lloyd, 4519 W. Alabama  
 Branda, Gerald E., 2904 Ferndale  
 Brewer, Benjamin Eddins, Jr., 3100 Richmond Avenue  
 Broadnax, A. C., 6907 Almeda  
 Broesche, Travis, 3271 West Alabama  
 Bragniez, Raymond H., 3207 Mercer  
 Brooks, David George, 1901 Whitney  
 Buffington, Ralph M., 1710 Welch  
 Bullock, Thomas A., 3636 Richmond Avenue  
 Burleson, James E., 6001 Gulf Freeway,  
 Suite A-106

Bush, F. Woodrow, 837 Ridge Street  
 Butler, John Rogers, c/o T. J. Bettis Co.,  
 P. O. Box 1328  
 Carter, E. D., 530 Ives Lane, Dayton, Ohio  
 Chan, Charles Soon, 403 Woodard  
 Chase, Charles S., 3316 Sul Ross  
 Chase, John S., 2916 Blodgett  
 Clemens, Robert W., 5432 Briar Drive  
 Condon, William J., 3271 West Alabama  
 Converse, Roger L., P. O. Box 555, Bellaire  
 Coogler, James, Jr., 2506 Ralph  
 Davis, Hal M., Jr., 2120 South Post Oak  
 Davis, James A., 401 W. DeFee, Baytown  
 Dawsey, T. Leo, Jr., 5201 Fannin  
 Demopolis, Dimitri, 2315 Southwest Freeway  
 Denny, Clifton E., Jr., 4740 Ingersoll  
 Deshayes, Joseph Robert, P. O. Box 13319  
 Dill, Frank C., 1211 Hyde Park  
 DiStefano, Christopher, 1705 E. Mesquite Lane,  
 Victoria  
 Dixon, Sam B., 110 East 8th, Austin  
 Doughtie, Symond E., 811 First Pasadena St.,  
 Bank Bldg., Pasadena  
 Douty, Truman B., 16th Floor,  
 Herman Professional Bldg.  
 Drinnan, O. E., Jr., 5111 Woodway, Room 111  
 Dunaway, James K., 2706 Richmond  
 Dunlap, Cecil N., 3610 Rice Blvd.  
 Eichelberger, Dean A., No. 2 Chelsea Place  
 Elliott, Card G., Jr., P. O. Box 22312  
 Elliott, Justin M., Rice University, 6100 Main Street  
 Engberg, Arne, 3723 Westheimer  
 Evans, Jonathan W., 3616 Main  
 Evans, Richard S., 500 Stuart Street  
 Fairchild, Cameron D., 2626 West Dallas  
 Fasullo, George, P. O. Box 7171  
 Finn, Alfred C., Jr., 3110 Eastside  
 Flanagan, Robert V., P. O. Box 13319  
 Floyd, Marion A., 3406 Audubon  
 Flynn, Arthur Marrell, 3801 Kirby Drive, Rm. 311  
 Flynn, Charles Harold, Jr., 3801 Kirby Drive, Rm. 311  
 Ford, Homer L., 2411 Times Blvd.  
 Freeman, John Henry, Jr., 1700 Main Street  
 Frye, J. William, Jr., 8042 Triola  
 Furley, Edmund, Jr., 2303 Smith, Suite 305  
 Gabert, Lenard, 1315 Bell Avenue  
 Gaffney, Edward K., 4132 Coleridge  
 Gainey, John V., 3501 Allen Parkway  
 Garrison, John Fleming, Jr., 1418 Marshall  
 Gilbert, Earl R., 6026 Rose Avenue  
 Glass, Frank R., P. O. Box 8158  
 Goehring, Lloyd A., 2037 Norfolk  
 Goeters, Herman Fritz Pat, Five Chelsea Place  
 Golden, Thomas M., 1973 West Gray  
 Goleman, Harry A., 5100 Travis  
 Goodwin, Edwin James, Jr., P. O. Box 13319  
 Gragg, Hugh E., 2727 Kirby Drive, Room 713  
 Graegen, Thomas E., II, 500 Stuart Street  
 Green, Charles Marley, 5417 Crawford Street  
 Green, Wilbur E., P. O. Box 222, Leakey  
 Greenwood, Ben F., P. O. Box 20091  
 Hamilton, Wayne R., 11519 Gaymar Drive  
 Hardy, Robert Leslie, 3122 Wroatan Road  
 Hataberg, John Kenneth, Jr., 3203 Mercer  
 Heath, Herbert C., 2314 Dunstan  
 Heaton, James Edgar, 5619 Overbrook  
 Heidbreder, G. Allen, 214 Southwest Tower  
 Heimstah, Clovis B., 410 Emerson Street  
 Hightower, Charles E., 3215 Mercer  
 Hill, Cal D., Jr., 4506 Birch, Bellaire  
 Hoff, William B., 2737 Buffalo Speedway  
 Hoffman, Henry S., 443 Hollow Drive  
 Holdredge, William D., 235 Portland  
 Holdsworth, Bert C., P. O. Box 13319  
 Hoover, Joseph Allen, 1317 Sixth Street North,  
 Texas City  
 Horton, Harold B., 3217 Monroe Blvd., Room 203  
 Howze, Albert H., 2814 Virginia  
 Jaccard, Mermond C., Jr., 3619 Maroneal  
 Jackson, R. Graham, 2506 Rixon  
 James, Allan K., 3406 Audubon  
 Jenkins, William R., 2727 Buffalo Speedway  
 Johnson, C. A., 3501 Allen Parkway  
 Johnston, F. Perry, Box 154, La Marque  
 Joiner, John E., P. O. Box 8158  
 Jones, Arthur Evan, 4507 Mt. Vernon  
 Jones, Roy William, 5900 Bellaire Blvd.  
 Jones, Williams Paul, 2706 Richmond Blvd.  
 Kaemmerling, Harold E., P. O. Box 596, Lufkin  
 Keller, Theo. F., 5619 Fannin Street  
 Kerner, Charles H., 5100 Travis  
 Kiefner, Charles H., 3501 Allen Parkway  
 King, Edward M., Jr., 1339 Tulone  
 King, Robert L., 1109 Kipling  
 Kirk, Robert D., Jr., 8222 Leader  
 Klein, Irving R., 1317 Austin Street

Knapp, Robert Logan, 10134 Whiteside Lane  
 Knight, Earl R., 5926 W. Belford  
 Knostman, Jack W., 4727 Westheimer  
 Koetter, Gunter W., 5110 Chevy Chase  
 Lammers, Lowell, P. O. Box 600, Baytown  
 Langwith, John Edmund, Jr., 1109 Kipling  
 Larson, John H., 4926 Jason  
 Lawrence, Charles E., 3636 Richmond Ave.  
 Leifeste, A. A., Jr., 11638 Blacklock Forest  
 Lent, Robert F., 5701 Jackson  
 Levy, Martin L., 3400 Montrose, Suite 210  
 Linslaedler, Herbert Wm., 228 Emerson  
 McCleary, Thompson H., 3270 Sul Ross  
 McGinty, B. Burke, 2425 Ralph  
 McHale, T. George, 505 Stuart  
 McKim, C. M., Jr., 2303 Smith, Suite 305  
 McKittrick, Thomas Lamar, 5111 Woodway, Suite 111  
 McKnight, John Lyndon, 3723 Westheimer  
 Maas, Elaine, Miss, 3702 Revere—Apt. C  
 Maddox, H. E., Jr., 3501 Allen Parkway  
 Marshall, Charles B., 3110 Eastside  
 Martin, Milton Foy, 3334 Richmond Avenue  
 Mattingly, Edward, 5417 Crawford  
 Maurice, Robert W., 3222 Mercer St.  
 Maze, Richard R., 45 Caroline Trail  
 Miller, William K., 1200 Bissonnet  
 Moore, Harvin C., 2037 Lexington  
 Moore, Tharon L., 2506 Ralph  
 Moorehead, James, Jr., 354 Piney Point  
 Moreland, Rembert B., 2506 Richton  
 Morris, Ray, Jr., 10606 Chimney Rock  
 Mulvey, Carl A., 1652 West Main  
 Neugebauer, Richard A., 2008 West Alabama  
 Neuhaus, Hugo V., Jr., 5619 Fannin St.  
 Neuhaus, J. V., III, 3100 Richmond Ave.  
 Northrop, J. W., 3940 Main Street  
 Northrop, Page H., 3940 Main Street  
 Nunn, Staylor, Jr., 5100 Travis  
 Oberg, Harold Alton, 2737 Buffalo Speedway  
 Pannell, Victor E., 4812 Miles Drive,  
 New Orleans, Louisiana  
 Parrott, Ernest A., 417 Stewart Building, Galveston  
 Passeur, Charles Herbert, 3636 Richmond Ave.  
 Paul, Theodoe Louis, 211 Central National Bank  
 Pena, William M., 3636 Richmond Ave.  
 Phenix, Vance D., 4710 Greeley  
 Pierce, Abel B., Jr., P. O. Box 13319  
 Porterfield, Jack H., 811 First Pasadena St.  
 Bank Bldg., Pasadena  
 Price, Thomas M., 3901 Broadway, Galveston  
 Ransom, Harry Steelesmith, Jr., 3763 Ingold  
 Rapp, Raymond, Jr., 417 Stewart Bldg., Galveston  
 Ray, Marion Blanton, III, P. O. Box 13319  
 Reber, Jack M., 1802 First City National Bank Bldg.  
 Reed, David D., P. O. Box 6721  
 Red, Mack G., 3060 Locke Lane  
 Reichert, Edward L., 2037 Norfolk  
 Reynolds, John Carson, P. O. Box 66216  
 Reynolds, Joseph B., 3130 Southwest Freeway  
 Rice, Allen Gene, 610 Lloyd Lane, Baytown  
 Richardson, Edward R., 5111 Woodway, Suite 111  
 Rick, Robert G., 604 East Goodwin, Victoria  
 Rosenberg, Adrian Samuel, 3312 Louisiana  
 Rowlett, John M., 3636 Richmond Avenue  
 Roy, Robert E., 1310 Hawthorne, Apt. B-43  
 Rustay, George, 3334 Richmond Avenue  
 Sandlin, Ernest Lee, 5931 Southridge  
 Saxe, Augie W., Jr., 5100 Travis  
 Scott, Wallie Eugene, Jr., 3636 Richmond Avenue  
 Sheppard, Albert Edward, 306 West Cowan Dr.  
 Sikes, Charles R., Jr., 3100 Richmond Avenue  
 Simmons, Robert Bruce, 3723 Westheimer  
 Sjolin, Gosta, 3616 Greenbriar  
 Skisiewicz, Anton, 5701 Jackson, Parklane Apartments  
 Smart, George H., 2703 Kipling  
 Smith, Oliver H., Jr., 3931 Essex Lane  
 Sprague, Paul Richard, 104 Bellaire Court, Bellaire  
 Stein, Israel Herman, 2302 Richmond Ave., Suite 33  
 Steumer, Adolph D., 1020 N. Jefferson, San Angelo  
 Sullivan, Charles, 3901 Travis  
 Swanson, James T., Jr., 2302 Brun  
 Swenson, Bailey A., 3106 Brazos Street  
 Symonds, Walter S., Jr., 2506 Richton  
 Tapley, Charles Reilly, 1216 Hawthorne  
 Taylor, Harold W., 3701 Allen Parkway  
 Taylor, Harwood, 3100 Richmond Avenue  
 Tharp, B. Carroll, 5110 Chevy Chase  
 Thweatt, Gilbert W., 12931 Butterfly Lane  
 Tillinghast, Josh, 5111 Woodway  
 Todd, Anderson, P. O. Box 1892  
 Tongate, Mace, Jr., 2506 Richton  
 Turner, Harry A., 2502 Robinhood  
 Ulbricht, Herbert H., 3201 Sage Road No. 2  
 Vale, Wylie W., 3334 Richmond Avenue  
 Voelcker, Herbert R., 3701 Allen Parkway  
 Waldie, Ronald H., 3221 West Alabama  
 Walton, Conrad Gordon, 3203 Mercer  
 Wauson, H. C., Jr., 11505 Chimney Rock  
 Webster, James F., Jr., 4727 Westheimer  
 Wells, Oscar E., Jr., 2346 Wroxtton Rd.  
 Werlin, Eugene, 3501 Allen Parkway  
 White, Emory S., 3723 Westheimer  
 Whitehead, Thomas P., 2703 Kipling  
 Wilkins, Richard S., 3222 Mercer  
 Williams, Allen R., 4603 Ivanhoe  
 Wilson, Charles Burton, 1109 Kipling  
 Wilson, R. H., Jr., 4311 Bettis  
 Wingfield, B. Magruder, 5619 Fannin  
 Winslett, Herschel R., 3927 Essex Lane  
 Wirtz, L. M., 2506 Richton  
 Wisdom, William J., 1418 Marshall  
 Woestemeyer, Otto F., 4210 Montrose Blvd.  
 Wood, Charles R., 12927 Butterfly Lane  
 Wootters, L. B., 2706 Richmond

Worham, William F., 2214 Maroneal  
 Youens, Ernest L., 5100 Travis  
 Young, Baldwin N., 4000 Westheimer  
 Zander, Ralph, 5100 Travis  
 Zemanek, John, 3606 Dunlavy

### Professional Associate

Arner, Theodore Frank, 5107 Heatherbrook  
 Bartholomew, O. C., Jr., 1916 Kipling  
 Bartlett, Bennett B., 2735 Steel  
 Beerman, Tibor, 1006 Boulevard, Galveston  
 Boddeker, E. W., III, 7991 Belfort Boulevard No. 53  
 Boyer, Daniel Jerry, 11003 Atwell  
 Brailas, Alexander, 3636 Richmond  
 Britton, Earle V., Jr., 3110 Eastside  
 Cannata, Anthony C., 743 East 8 1/2 St.  
 Chaskin, Meyer, 10927 Cedarhurst  
 Crockett, David W., 1421 Glaurie  
 Cutting, Malcolm M., 13319 Butterfly Lane  
 Deane, Walter L., 6922 Hartland  
 Dvorak, Helen Ann, 6431 Wister Lane  
 Gotton, James B., 10015 Raritan  
 Gillilan, Freda Jane, 4333 Clay  
 Graham, Walter N., III, 3209 West Alabama,  
 Suite 109  
 Harper, W. Weston, 4513 Kinglet  
 Harris, Weldon L., 8122 Mabud  
 Heesch, Theodore M., 2737 Buffalo Speedway  
 Hines, E. Gene, P. O. Box 20091  
 Jackson, Clyde W., 5108 Huisache, Bellaire  
 Jones, Betty Jo Lockey, 602 Branard St.  
 Katch, Marion A., 2216 Tennessee Bldg.  
 Lake, William, Jr., 3940 South Main  
 Lawyer, Franklin Dawitt, 3636 Richmond Avenue  
 Maxwell, Jacques R., 106 Baywell, San Antonio  
 Morales, Richard V., 10714 Checkboard  
 Newton, Alsey W., Jr., 407 Avondale  
 Palmer, Donald M., 5437 Windsway Lane  
 Phenix, John Russell, 1225 Ridgeley Drive  
 Plesner, Eric H., 4049 Nanana  
 Priemeyer, Larry L., 5100 Travis  
 Reed, Lyman S., P. O. Box 27, Texas City  
 Robinson, Thomas A., 535 West 32nd  
 Rogers, Tom K., 5429 Pagewood  
 Stevens, Robert E., Jr., 5159 Beechnut, Port Lavaca  
 Van Ness, John B., Jr., 1700 Main  
 Walters, Robert E., 1421 Confederate  
 Westbrook, Lloyd E., 4938 Burma Road  
 Wilpitz, Ernest A., 9741 Westview Drive  
 Wines, Donald B., Caudill, Rowlett & Scott,  
 3636 Richmond Avenue  
 Winters, Raymond L., 8803 Kennard  
 Wisenbaker, Howard R., Jr., 8016 Meadowbrook

### Associate

Bell, Jacque Frederic, 1522 Yale  
 Brochstein, Raymond, 5307 Queensloch  
 Cummins, Ira Keith, P. O. Box 27, Texas City  
 Crockett, David W., 1421 Glaurie  
 Doyle, J. Pleas, 2106 Hazard  
 Duke, Buford W., Jr., 8107 Cayton  
 Dunn, Joseph G., 5035 Jackwood  
 Dusan, W. W., 2323 McClendon  
 Floyd, David L., 1218 Linden, Bellaire  
 Fraser, John Gibb, 5200 Bissonet  
 Frost, Monty, 118 Willowand  
 Galloway, H. R., Mrs., 3503 Bissonnet  
 Godbey, L. David, 1515 Bissonnet No. 6  
 Goree, Fred H., Jr., 746 Voss Road  
 Gutierrez, Daniel R., 1252 Martin Drive  
 Hackney, John H., 3312 Louisiana  
 Helms, Ronald Nelson, 5349 McCulloch Circle  
 Higgins, Jocelyn, Mrs., 5142 Del Monte  
 Hughes, James M., 6446 Sewanee  
 Kearns, Thos. Michael, 3302 Lake Street  
 King, Robert E., 2807 Quenby Road  
 Lancer, Robert W., 11906 Knippwood Lane  
 Lee, Frederick A., 2110 Watts Road  
 McBride, James A., II, 3843 N. Braeswood  
 Madrall, A. William, 6726 Reamer  
 Mount, Howell Edward, 1733 Dunaway  
 Munroe, W. A., 7311 Schuller  
 Oddo, Jerome B., Jr., 5111 Woodway, Suite 207  
 Reese, Donald C., 2415 Mimosa Lane, Apt. B2  
 Riggs, Hal Don, 5416 Braeburn Drive, Bellaire  
 Segura, Fernando H., 5122 Huckelberry  
 Spence, Gordon, 5449 Hidalgo  
 Squibb, Jane Carter, 4802 Willow, Bellaire  
 Starnes, Jan H., 1024 Lone Star  
 Valdes, Elmo M., 217 Marshall  
 Weaver, Thomas Martin, 8421 Burkhardt

### Members Emeritus

Hubach, Carl C., 938 Westmont  
 Jenkins, Raymond L., 2622 Richmond  
 Jossard, Louis P., 3710 Mt. Vernon  
 Labadie, Roy W., 2630 Tangley  
 Lilliant, Richard W., Jr., 6 South Wynden  
 Potter, Edward P., Cherokee Village, Arkansas  
 Nutter, Arthur E., 608 Preston  
 Salisbury, Hiram A., Rogue Valley Manor,  
 Apt. 527, Madford, Oregon

## LOWER RIO GRANDE VALLEY CHAPTER

### Corporate

Ashcroft, David Patrick, 520 North 10th Street,  
 McAllen  
 Bartholomew, Richard P., 914 North Main, McAllen  
 Boxter, William C., Pioneer Building, Westlaco  
 Bowman, Walter C., 1220 West Harrison Street,  
 Harlingen  
 Buck, Robert Vincent, 202 First Natl. Bank Bldg.,  
 McAllen  
 Craft, Charles Benjamin, 1901 West Harrison,  
 Harlingen  
 Hiester, J. W., 1801 Central Boulevard, Brownsville  
 Hobart, Gene Perry, 320 So. Missouri, Mercedes  
 Rike, Zeb W., 1101 Vine Avenue, McAllen  
 Summers, B. McIntosh, 1700 South Tech., McAllen  
 Suter, Warren C., P. O. Box 945, Mission  
 Swanson, E. Lester, 1220 West Harrison, Harlingen  
 Veltan, Robert Edwin, 1049 East Leves, Brownsville  
 Wilhite, Gayle D., 824 Boca Chica Boulevard,  
 Brownsville

### Professional Associate

Guerra, Julia Rafael, Pioneer Building, Westlaco  
 Hancock, J. B., 305 E. Kelley, Pharr  
 Lambeth, William H., 914 North Main, McAllen

### Members Emeritus

Woolridge, Alex H., 208 Sunset Drive, Brownsville  
 Ellis, C. Lyman, Sr., 305 East Jackson, Harlingen

## LUBBOCK CHAPTER

### Corporate

Aitcheson, James E., 1009 Texas Avenue  
 Atkinson, Atmar L., 1009 Texas Avenue  
 Barrick, Nolan E., Dept. Architecture, Texas Tech.  
 Billingsley, G. Randolph, 422 Lubbock Natl. Bk. Bldg.  
 Brasher, Herbert, 2118 34th Street  
 Burns, Billy Dane, 4504—Avenue "Q"  
 Cantrell, Warren B., 4504 Avenue "Q"  
 Cartwright, Edward William, Jr., 1009 Texas Avenue  
 Childers, Carl J., Jr., 2318 48th Street  
 Clark, James I., 152 West 58th Street,  
 Apt. 1-D, New York  
 Craig, Calvin C., Jr., 3134—34th Street  
 DeWitt, Tolmage, No. 10 Briarcraft Park  
 Duran, Richard, 3718—32nd Street  
 Goeldner, Paul Kenneth, 1604 45th Street, Apt. 14  
 Goyette, Robert L., 2118 34th Street  
 Hall, Joe H., 2114 Avenue J  
 Haynes, S. B., 1902 Dixie Drive  
 Jordan, Wesley Thomas, 1203 College Avenue  
 Kirby, Laverne, 1902 Dixie Drive  
 Kirkwood, Miss Geraldine, P. O. Box 204  
 Kleinschmidt, Florian A., 2324 Broadway  
 Lockard, Robert I., Dept. of Arch.,  
 Texas Tech. College  
 McMurry, Edward Hoyte, 3134—34th Street  
 Messersmith, Robert C., 3307 Avenue X  
 Riberd, Herman B., 412 Avenue "M"  
 Roberts, Evan Elijah, Jr., 3307 Avenue X  
 Schmidt, Howard W., 1602 Avenue Q  
 Spencer, Ralph Donald, Sr., No. 10 Briarcraft Park  
 Stiles, Marvin Lorraine, 3307 Avenue X  
 Stracener, Hilton Lionel, 422 Lubbock Natl. Bk. Bldg.  
 Whitaker, Sanford C., 2114 Avenue J

### Professional Associate

Burt, William 2118 34th Street  
 Grady, William F., Jr., 3017 55th Street  
 Higgins, Richard, 422 Lubbock Natl. Building  
 Johnson, Clarence F., Jr., 3134 34th Street  
 Mills, Thomas M., Jr., 2806—34th Street  
 Rapier, Robert E., 2118 34th Street  
 Sessions, Henry Alvin, Jr., 1602 Avenue Q  
 Tisdal, Clarence Berwyn, 1602 Avenue Q

## NORTH EAST TEXAS CHAPTER

### Corporate

Allen, Robert E., 509 Petroleum Building, Longview  
 Bell, O. N., 922 Olive Street, Texarkana  
 Bellomy, Cleon C., 833 South Beckham, Tyler  
 Bintliff, Ann Humphrey, 922 Olive St., Texarkana  
 Bruce, Robert Orris, 421 South Beckham, Tyler  
 Burch, Arthur Lee, 2021 Crestwood, Tyler

ON  
BLO  
F  
AI  
CIR



The *Featherlite* concrete masonry block is a beautiful construction bargain — fits the building plans in any circle of society. Wherever there are walls to be built, indoors or outdoors — Featherlite blocks save on construction costs while offering durable beauty and unlimited design.



The Pure Oil Co. (Limestone Brick) — Midland, Texas  
Architects: Pierce, Norris, Pace — Midland, Texas



St. Luke Methodist Church — San Angelo, Texas  
Architect: Don Goss — San Angelo, Texas



General Telco Credit Union — San Angelo, Texas  
Architects: Mauldin and Drake — San Angelo, Texas

UR  
OCKS  
IT  
NY  
CLE



## There is no end to the use of Featherlite Blocks

Consider these advantages:

- Durable
- Fire-resistant — lower insurance rates
- Mutes sound — ideal for the builder shopping for silence
- Low-cost maintenance
- Paint it any color
- Offers heat insulation while adding structural value
- Available in all standard sizes (both standard and spectra-glaze)
- Build a school in the economical \$10 per square foot range
- Build a home — any size — at comparable savings
- Build an office building, industrial plant or hospital and save money

"Build it right with



IRVING                      LUBBOCK  
SAN ANTONIO      ABILENE      MIDLAND



The Caravan Club — Lubbock, Texas  
Architect: Bill Cox — Lubbock, Texas



Central Catholic High School — Abilene, Texas  
Architects: Tittle and Luther — Abilene, Texas

Cates, Jack, Beckham-Terrace Bldg.,  
P. O. Box 807, Tyler  
Cox, John V., Route 3, Box 2E, Texarkana  
Crain, B. W., Jr., P. O. Box 3521, Longview  
Deteau, Harold, 913 Judson Road, Longview  
Gahmert, Louis B., P. O. Box 10, Mount Pleasant  
Gregory, Carl A., 1013 Wilma Street, Tyler  
Guinn, Leland A., P. O. Box 149, Longview  
Hazelwood, Otis L., P. O. Box 199, Palestine  
Kent, Wilbur C., 404 Perry Bldg., Lufkin  
Langford, W. E., 1121 Highland Drive, Henderson  
Maffitt, Theodore S., Jr., 510 N. Sycamore, Palestine  
Marshall, Floyd A., 404 Perry Bldg., Lufkin  
Moore, John E., Jr., 517 Main Street, Texarkana  
Pate, Charles J., 422 West Wilson, Tyler  
Reinheimer, Robert J., Jr., Route 3, Box 2 E,  
Texarkana  
Rodgers, George R., 403 Marshall Natl. Bank Bldg.,  
Marshall  
Scott, Albert Duane, 507 North Sixth Street,  
Longview  
Simons, Thomas Shirley, Jr., 1723 So. Broadway,  
Tyler  
Thomas, Joe, Jr., 517 Main Street, Texarkana  
Wilcox, E. Davis, 833 South Beckham, Tyler

#### Professional Associate

Brown, Robert Young, Jr., 421 So. Beckham Ave.,  
Tyler  
Emberton, John, Route 3, Box 2-E, Texarkana  
Evaldo, Jose, P. O. Box 1349, Longview  
Evans, J. M., P. O. Box 352, Longview  
Hanna, Charles F., 833 So. Beckham, Tyler  
Halderness, H. G., Route 3, Box 226A2, Texarkana

#### Associate

Boese, Duane Dale, Route 1, Box 128, Kilgore

#### Member Emeritus

Cates, Melvin J., P. O. Box 807, Tyler

### NORTH TEXAS CHAPTER

(All Wichita Falls unless otherwise indicated)

#### Corporate

Dixon, Jesse G., Jr., P. O. Box 1799  
Elam, Eugene M., P. O. Box 1224  
Harper, Charles Floyd, 1508 Tenth Street  
Killebrew, James Robert, 1710 Dayton  
McCowan, Palmer, 515 M & P Bank Bldg., Sherman  
Pardue, R. B., Jr., 1901 10th  
Pond, Paul J., Jr., 2123 Brook  
Ricks, Donus W., 713 Lamar  
Sanders, Roy, Box 301, Bowie  
Sharp, Allen, 1717 Tenth St.  
Wingler, Robert Leon, 1717 Tenth St.

#### Professional Associate

Bellamy, W. E., Jr., 2123 Brook

#### Associate

Coffee, Charles Ray, 2123 Brook  
Lambert, Sidney K., 4708 Catalina Drive  
Maloney, Michael O., Box 2172  
Rucker, Ronnie, 1501 Brook  
Spaulding, Don W., 2001 Huff  
Stanley, Conrad, 913-B Indiana

### SAN ANTONIO CHAPTER

#### Fellow

Ayres, Allee B., P. O. Box 12351  
Cameron, Ralph H., 1519 Transit Tower  
Cocks, Bartlett, 3501 Broadway  
Ford, O'Neil, 528 King William  
Roberts, Reginald H., 2600 McCullough Avenue North

#### Members Emeritus

Boelhouwe, Charles T., 803 River Road  
Deweese, Dahl, 1641 West Magnolia  
Dielmann, Leo M. J., Sr., 801 East Guenther Street  
Hays, Ernest B., 406 East Huisache Avenue  
Simons, Malcolm G., 521 Aztec Building  
Spillman, Beverly W., 104 Mandalay Drive

Waters, R. Newall, 204 First National Bk Bldg.,  
Weslaco

### Corporate

Adams, Carlton W., Sr., P. O. Box 21100  
Allen, Craig, 2600 North McCullough Avenue  
Ayers, Robert M., P. O. Box 12351  
Barclay, A. T., Jr., 216 Lilac Lane  
Bauml, Louis Frederick, Jr., 128 Lyman Drive  
Buenz, J. Fred, 4900 Broadway  
Calloway, Robert W., Petroleum Center,  
900 Military Drive, N. W.  
Collins, Peter, 8035 Broadway  
Carrington, Phillip S., 4600 Broadway  
Collins, Neil Thomas, 2143 Zercher Rd.  
Cowan, Robert W., Suite A-100 Petroleum Center,  
900 N.E. Military Drive  
Dennis, Wilbur Edwin, 151 Dalehurst Drive  
Dielmann, Leo M. J., Jr., 8339 San Pedro Avenue  
Dockery, James W., Jr., 231 Kate Schenck  
Dukes, Wm. Harold, 404 Travertine Lane  
Eickenrodt, Marvin, 702 Maverick Building  
Eiserloh, Harold L., P. O. Box 12083  
Engelking, Robert S., Calle Varsovia 58, Mexico D.F.  
Flowers, Elisha B., 527 Terrell Road  
Freeborn, Elmer L., 5307 Broadway  
Garcia, Paul L., National Bank of Commerce Bldg.  
Gonzales, Mario Flores, 310 East Laurel  
Harber, Col. Wm. V., 324 Melrose Place  
Harris, Bernard P., 3240 McCullough Avenue  
Hein, J. Harris, 216 West Craig  
Helmke, Vernon, 2600 McCullough Avenue North  
Hesson, Paul Anthony, 8031 Broadway  
Hohaus, L. M., 3501 Broadway  
Jahy, Lloyd, Jr., 6714 North New Braunfels Avenue  
Johnson, Bruce B., 900 N. E. Military Drive,  
Building D, Room 202  
Jones, William D., 905 National Bank of  
Commerce Building  
Julian, Alvin Joseph, 222 East Guenther Street  
Kellner, Herbert E., 4900 Broadway, Box 6617  
Lansing, Douglas M., P. O. Box 12083  
Lord, Sidney C., Jr., 5307 Broadway  
Marman, Harvey Y., Jr., 905 Natl. Bank of  
Commerce Building  
Martin, Brooks, 110 East Crockett Street  
Mathis, Arthur, Jr., 2002 North St. Marys  
May, Allan Frank, 8031 Broadway  
Mickelsen, William F., 3607 Broadway  
Mok, Edward, 905 N.B.C. Building  
Nicholson, H. E., 5511 San Pedro  
Noonan, Thomas Addis, P. O. Box 12348  
Peery, Allison B., 211 North Presa  
Phelps, Raymond, P. O. Box 12083  
Pounders, W. R., Jr., 603 West Huisache  
Pressly, Thomas Alexander, Jr., 5307 Broadway  
Rast, Edward, 117 Avenue "A"  
Rinard, Clarence, 918 Manor  
Rogers, Gerald R., P. O. Box 8308  
Rose, Paul Pittman, 918 Manor Drive  
Rushing, Bryce, Jr., 416D Petroleum Center  
Ryan, Milton A., 601 Elizabeth Road  
Ryan, Thomas Francis, 111 West Laurel, Suite 217  
Schmidt, Jeremiah, P. O. Box 249, New Braunfels  
Schultze, Richard, 117 El Prado Drive West  
Sellinger, Gerald M., 400 Stadium Drive  
Shoop, Phillip L., 122 West Olmos Drive  
Simmons, C. C., P. O. Box 12083  
Smith, Harvey P., Jr., 117 El Prado Drive West  
Stehling, Jack, Arthur, P. O. Box 272, Fredericksburg  
Thomas, Wallace B., 612 Brooklyn Avenue  
Tucker, H. Leo, 1604 Main Street, Kerrville  
Tuggle, Emmitt R., 531 Elmhurst  
Valdez, Frank M., 1818 San Pedro  
Vander Straten, Richard, Box 6643  
Alamo Heights Station  
Wagner, Cyrus H., 8035 Broadway  
Walker, John R., Jr., 4600 Broadway  
White, Don N., D 114 Petroleum Center,  
900 N. W. Loop Expressway  
Whiteaker, James E., Jr., 1818 Nacogdoches Road  
Wilson, Joe Ed., 1731 Viewridge Drive  
Wyatt, Benjamin K., P. O. Box 199  
Zisman, Samuel B., 528 King Williams Street

#### Professional Associate

Barney, Robert E., 606 Glencrest Drive  
Chumney, Pat, 3501 Broadway  
Dempsy, Charles P., Suite 202-D, Petroleum Center,  
900 Military Drive N.E.  
Duffin, Jack L., 8035 Broadway  
Janssen, Hermon P., 10811 Audine  
Jersig, John E., P. O. Box 12083  
Pizzini, Robert A., 526 Aztec Building  
Powell, V. Boone, 528 King William  
Redondo, Edwin F., 319 Glenview  
Salas, Nic A., 400 Stadium Drive  
Simon, Harold Leroy, 519 Cherry Ridge  
Rocha, Jesse R., 4626 Allegheny Drive  
Wilson, Joe Ed, 1731 Viewridge Drive  
Wilson, Robert W., Jr., 320 Alex Hamilton

### Associate

Bender, Ralph C., 414 Erskine  
Carrillo, Miguel, Room 7, Chandler Building  
Chu, Joe Ming, 133 West Woodlawn  
Crellen, Robert E., 402 Ginger Lane  
Garza, Roy C., 115 Sweetbriar  
Golla, Emil, San Antonio College, 1300 San Pedro  
Johnson, Kirk, Jr., 123 Redrock  
Ludwig, Frederick F., 4703 Newcome Drive  
Makar, David G., 382 Maplewood Drive  
Pressly, James B., 119 Denton Drive  
Shoop, Phil L., Jr., 132 Cas-Hills Drive  
Simpson, Ralph, 280 Relama Place  
Stevenson, Joseph H., 5615 Gillis Drive  
Torres, Ignacio L., 501 Oakwood Drive  
Vargas, Tom, P. O. Box 12083  
Wang, Howard, 816 Kallison Tower

### SOUTHEAST TEXAS CHAPTER

#### Fellow

Pitts, Llewellyn Wm., 1872 Calder, Beaumont

#### Corporate

Beadle, Frank F., Jr., 1872 Calder Avenue, Beaumont  
Bell, Milton, 1872 Calder, Beaumont  
Bernhardt, Lawrence, P. O. Box 3227, Ft. Arthur  
Braun, Lester, P. O. Box 3227, Ft. Arthur  
Dickson, William Steinman, P. O. Box 4286  
French, Richard, 2235 Hazel  
Galemap, Harry W., 3795 Long Avenue  
Goode, Rex, 3595 Kenwood Drive  
Harris, Glynn L., 2630 North  
Heartfield, R. C., 419 Am. Natl. Bank Building  
Ingram, George L., 913 San Jacinto Bldg.  
Kyburz, Leon C., 2685 Hazel Street  
Livesay, Tom Bryan, 820 North 11th Street  
Livesay, Wallace Bright, Sr., 820 North 11th Street  
McKnight, Thomas Carson, Jr., 1872 Calder Avenue  
Marak, Kenneth J., 165 Minor Street  
Mebane, Mike, 1872 Calder  
Moore, Lee, 3086 25th Street, Port Arthur  
Neff, John Earle, P. O. Box 1105, Port Arthur  
Nichols, Jack Baldwin, 1872 Calder Avenue  
Ransom, King R., 2633-5th Street, Port Arthur  
Stansbury, A. Jackson, 3086 25th Street, Port Arthur  
Steinman, Douglas E., Sr., 560 First Federal Building  
P. O. Box 3267  
Steinman, Douglas E., Jr., 560 First Federal Building  
P. O. Box 3267  
Thompson, Charles, Jr., 450 29th Street  
Vidrine, Lawrence, Box 1187, Port Arthur  
Walter, Darcy L. H., 913 San Jacinto Bldg.  
White, Robert, 1872 Calder

#### Professional Associate

Buckley, James, 930 Calloway Drive, P. O. Box 4286  
Bullock, Charles E., 1410 Mimosa Lane  
Huffhines, W. E., Jr., 5663 Camellia  
Kelly, Paul, 913 San Jacinto Building

#### Associate

Akin, F. James, 155 Clemmons

### TEXAS COASTAL BEND CHAPTER

(All Corpus Christi unless otherwise indicated)

#### Corporate

Anderson, Walter H., 3226 Reid Drive  
Amar, Richard S., 808 C. C. State Natl. Bk. Bldg.  
Barnett, Frederick Worth, 302 Stages  
Beasley, Robert J., P. O. Box 848, 206 East Houston,  
Beeville  
Bennett, Ralph, Jr., 3517 Denver  
Blanton, Paul T., 3150 S. Alameda  
Brook, Victor, Jones Building (204)  
Donnelly, C. P., 2220 Morgan  
Gibson, James Philip, Box 3087  
Greene, Donald, 322 Catalina  
Hamon, E. Dexter, P. O. Box 3576  
Hans, Joseph A., Jr., 1314 Santa Fe  
Lyons, James Irwin, 6065 Edgewater  
McCord, H. B., 1220 S. Staples  
Mabrey, Leslie Bruce, 204 Jones Building  
Machlon, Jim W., 501 Dickens Drive  
Martin, Daniel Webster, 1101 So. Brownlee  
Miller, B. K., 200 Petroleum Building, Alice  
Nesbit, Earl J., Jr., 4926 Mable Street  
Oatman, John B., 4226 Lexington



Olson, John Minter, 3216 Reid Drive  
 Pennington, Sam Allen, Jr., 902 Kinney  
 Rouse, Richard W., 433 Sheridan  
 Smith, Vernon, Jones Building (415)  
 Smyth, Joe G., Jr., 1800 Vaughn Plaza  
 Smyth, Needham B., 1800 Vaughn Plaza  
 Spear, Harry Morgan, Jr., 454 Atlantic Street  
 Stalter, William Butler, 520 S. Choparral St.,  
 I.B.M. Bldg., (502)  
 Terry, Ben A., 600 Bldg., Rm. 1713  
 Turner, Jack Rice, 1229 Third St.  
 Whittet, William, 808 C. C. State Natl. Bank Bldg.  
 Wilson, David M., 525 Glazebrook  
 Winston, Lloyd, 3230 Reid Drive  
 Wisznia, Walter, 3154 Reid Drive  
 Yeager, Arlin, Jr., 4929 Mable Street

#### Professional Associate

Bourg, Philip J., Jr., 4208 Gulf Breeze Blvd.  
 Braun, Detrich H., 4645 Mildred  
 Lorenz, Milton E., 232 Beverly Bldg.  
 Peterson, J. Soren, Jr., 3154 Reid Drive  
 Roberts, E. E., 353 Claremore  
 Roofs, Orby, 402 Palmetto  
 Setliff, Thomas E., 1030 Ponder  
 Terry, Ben A., Corpus Christi

#### Member Emeritus

Johnson, Otis F., 141 Naples St.

### WACO CHAPTER

#### Corporate

Bennett, Robert S., 1825 Austin Ave.  
 Carnahan, David R., 1919 Columbus  
 Coker, John W., Jr., 1507 Franklin  
 Daig, Duncan C., Route 10, Box 746  
 Dudley, John R., 1101 Pembroke  
 Farmer, Shuford L., 4609 West Waco  
 Hearn, Douglas Clinton, 1825 Austin Avenue  
 Thomas, John D., Suite 101 The Cowhouse, Killeen  
 Witt, James D., P. O. Box 1699

#### Professional Associate

Moseley, Benny R., 3916 North 21-A

#### Associate

Bingham, Don A., 3808 Hiland Drive

### WEST TEXAS CHAPTER

#### Member Emeritus

Dana, Royal, 207 South Tyler Street, San Angelo

#### Corporate

Bobb, Ernest William, Jr., 1741-607 West Missouri,  
 Midland  
 Ball, Ralph Pershing, American Bank of  
 Commerce Building, Odessa  
 Black, Joseph Jefferson, 801 West Kansas Avenue,  
 Midland  
 Brooks, James Edward, 1203 Settles Street,  
 Big Spring  
 Clift, William Henry, American Bank of  
 Commerce Building, Odessa  
 Covington, Robert Lewis, American Bank of  
 Commerce Building, Odessa  
 Devlin, Harold James, 300 North Jackson, Odessa  
 Fields, Johnnie Charles, 216 East Eighth, Odessa  
 Fox, James Lucius, 313 1/2 North Colorado, Midland  
 Gary, John William, 305 Benton Street, Big Spring  
 Gass, Donald R., 19 South Park, San Angelo  
 Groat, F. Delmar, American Bank of Commerce Bldg.,  
 Odessa  
 Hohertz, Daryle Albert, 305 Benton Street,  
 Big Spring  
 Leath, Jimmie E., 118 North N., Midland  
 Maddux, D. C., 1004 South Oakes Street,  
 San Angelo  
 Mauldin, Leonard R., Box 3095, San Angelo  
 Neuhardt, Charles H., P. O. Box 1741, Midland  
 Pace, Homer Eugene, Jr., 1002 West Wall, Midland  
 Peters, Robert Lee, 216 East 8th Street, Odessa  
 Pierce, Joe Bill, 1002 West Wall, Midland  
 Puckett, O. L., 600 East Fourth Street, Big Spring  
 Sherrill, Marvin LeRoy, 1900 Kermit Highway, Odessa  
 Welch, Frank D., P. O. Box 1454, Midland  
 York, Peter E., 1811 West Wall, Midland

#### Professional Associate

Tatlin, Kenneth Roy, 216 East 8th Street, Odessa



this is

# KEESTONE

... a colorful and textured finish  
 for all fresh concrete floor surfaces

Developed in Lambert's Florida Laboratories, KEESTONE is a specially formulated powder, containing properly graded aggregates, in a ready-to-use form. Applied to freshly poured concrete floor slabs, by dust-on or broadcast method, KEESTONE is floated and troweled into the surface to simulate the natural keystone. The entire operation is completed while concrete is in a plastic state. ■ A KEESTONE finish assures you of a colorful and textured surface that is slip-proof and glare-proof with uniformity of color over any size area. The finish is permanently "fused" to become a monolithic part of the concrete floor. ■ KEESTONE'S dramatic surface is ideal for concrete patios, swimming pool and deck areas, showroom floors . . . in fact, for any exterior or interior concrete floor surface where a decorative, natural stone effect is desired. Resistant to heavy traffic and adverse weather conditions, KEESTONE is a lasting complement to architectural design and landscape. ■ You will be assured of a durable and distinctive appearance when you specify all concrete floor surfaces to be finished with KEESTONE. Write for AIA File Brochure.

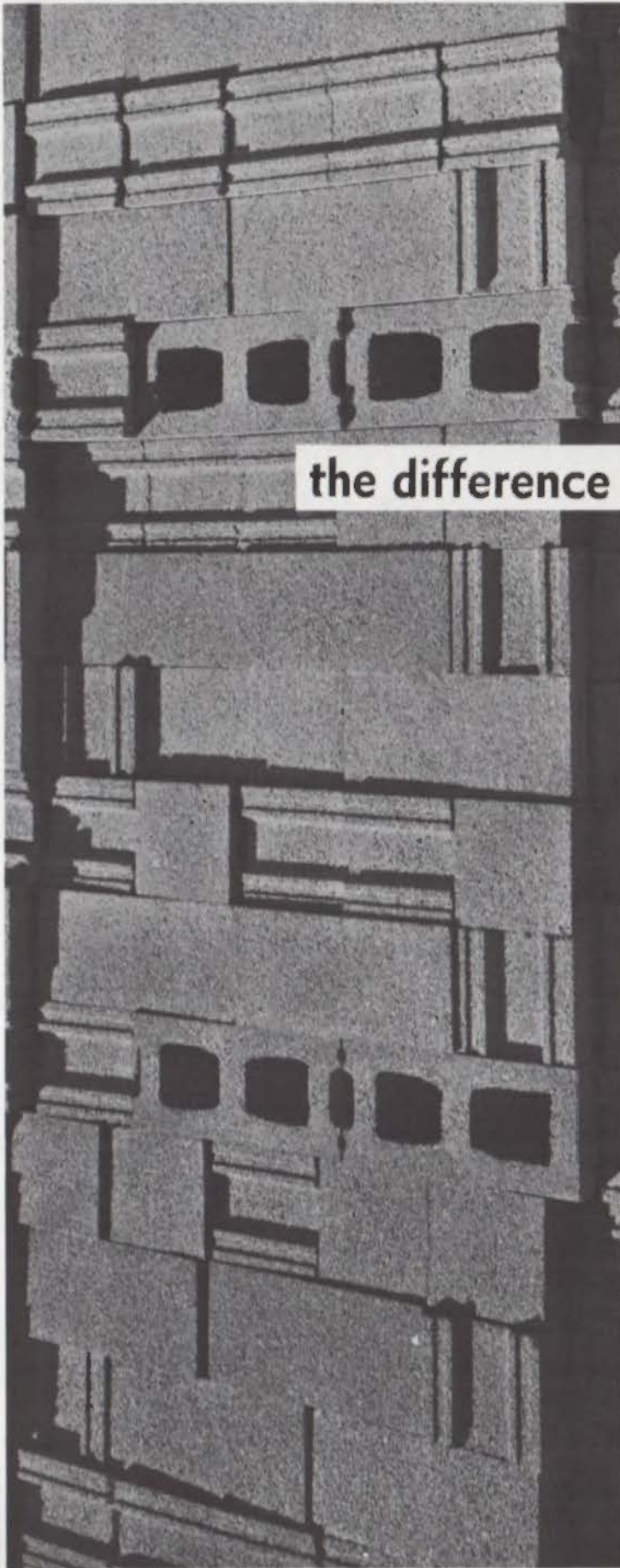


## LAMBERT CORPORATION

A subsidiary of Guardsman Chemical Coatings, Inc.

Houston, Texas  
 Orlando, Florida

Grand Rapids, Michigan  
 High Point, North Carolina



## the difference is in the "KNOW HOW"

By LARRY BROOKS, *Sales Engineer,*  
*Crowe-Gulde Cement Company,*  
*Amarillo, Texas*

Let us begin at the end. A project ends and everyone is happy. All concerned feel a sense of pride in a job well done. The architect has designed a "monument" for the owner which, barring disaster, should last perhaps for centuries. The contractor, sub-contractors, and product manufacturers can now point with pride to a job well done. The purpose of this writing is to analyze where the block manufacturers fit into this picture.

When the architect is commissioned to design a building, two important items must be given due consideration. Of prime importance, usually, is the budget available for the job. Secondly, the architect must make many decisions in the selection of the various building materials to be used, and then assemble them with the money available. Just as the architect is the owner's expert on building design and construction, the block manufacturer should be the architect's expert on concrete masonry construction in particular.

We, the concrete masonry manufacturers, feel we offer the architectural profession as complete a service as is possible in the complete technology of concrete masonry construction. It has been said, "Good concrete is made of cement, sand, gravel and water. Poor concrete is made of the same thing. The difference is in the "know-how."

*(Continued on Page 27)*

For instance, a fully automated, shockless, duo stage, autoclave block plant in Amarillo assures the area architects a continual supply of the best block available today. Regardless of end use for the units produced in this plant, *all* material must complete the entire autoclaving cycle. No unit is touched by human hands until it is ready to be installed into a wall assembly. Matching this feat of production and curing is the handling of raw materials from cars to block machine by an intricate system of hoppers, conveyors, storage bins, weight batchers, and mixers all interconnected in automatic sequence controlled by the latest instrumentation available. In addition to monthly testing of units by an independent laboratory, quality control is assured by pulling random units from the conveyors to check compressive strength daily. The plant is capable of producing 24,000 block equivalent per day per machine. The shockless aspect of the production facilities means that the temperature change from molding to autoclave is gradual. The gradual change is accomplished by first placing the block into a low pressure steam curing kiln for about four hours before loading them into the high pressure, high temperature autoclave.

Regardless of automation, the building industry is still a creative industry. The ever improving electronic wizardry to which we subscribe is only a part of the "know-how". Just as the manufacturer is always looking for ways to improve a good product, the architect must continually search for new and economical products and methods. Always foremost in the mind of a block manufacturer is the fact that *we do not sell block, we sell walls*. Therefore, our material is limited only by the imagination of the architect. A concrete block wall can be plain and economical, decorative, or serve as a base for some other material that will create special effects. Therefore, it is readily apparent that the versatility of block is a valuable asset to the designer.

Concrete masonry manufacturers have found that producing a quality block in a modern plant is not only very advantageous to them, but it also serves to assist the entire construction industry to build better buildings more economically. For example, modern loading and unloading equipment speeds delivery to the job site. Material can be unloaded at the convenience of the mason on block or wood pallets at any location on the job site to which the truck can maneuver. The uniformity of texture and size of each unit can help the contractor to lower his job costs since there will be virtually no culls. Certainly the finished job will give the contractor a certain amount of prestige and pride if the wall has a handsome appearance. Good service with well maintained equipment is a must with the block manufacturer.

Specifically, as an aid to the architectural profession, the block manufacturer must maintain a staff of qualified engineers who stand ready to assist with any and all problems concerning concrete masonry construction. Often the use or non-use of control joints and expansion joints in block construction is critical.

Texas has a climate of extremes from  $-20^{\circ}$  to  $+110^{\circ}$ ; from dry, 3% humidity to wind-driven rainstorms. There-



fore, even a fully autoclaved block is subjected to a lifetime of expansion and contraction. Admittedly the autoclaving is essential, but it is not a cure-all to prevent cracking.

Long runs of block must have control joints periodically. Rules-of-thumb for determining control joint requirements are sometimes expanded, by specifying bodies, when autoclaved block are being considered. This is one place where block manufacturers can assist the architect, and perhaps save some money on a given project.

In recent months there has been a resurgence of hardrock, sand and gravel aggregate block in the Panhandle area. Unlike haydite block, the hardrock block has a smooth, dense, surface that is considerably more resistant to moisture penetration. The heavier material also provides much more resistance to sound transmission as the property is directly proportional to the mass of the wall. Proper treatment of mortar joints can create shadows that will create exciting effects with the smooth block surface. Recently, I had the pleasure of working with the architectural firm of John L. Hannon and J. Ray Daniel, Architects and Engineers of Amarillo, on a warehouse for the Levi Strauss Company. The plan on the main portion of this structure was 360' square and the exterior walls were eight inch hardrock block laid in stacked bond 26' high with pilasters 20' on centers. The vertical joints were raked and the horizontal joints were weathered. Since the height requirement was more than that normally allowed by the building code, the Crowe-Gulde staff worked with the firm to attain a workable reinforced masonry wall design. The pilasters provided the vertical reinforcement, and two intermediate bond beams provided horizontal reinforcement. Control joints were installed at every other pilaster, 40' on centers. One building expansion joint was installed midway in the 360' length of building. The only exterior surface treatment was sprayed silicone; there was no interior treatment on the block surface. Here is a case where a design was accomplished in block that is beautiful, functional, and economical. Close coordination by all concerned resulted in a design that more than doubled the old standby—18 times the wall thickness as the limit for lateral support for masonry walls.

Some block plants market a line of Hardrock block exclusively for these fences. The main reason for hardrock for the fence block, other than the smooth, dense surface, was its ability to take color. Essentially the fences consist of four-inch panel block spanning between eight-inch pilasters which are grouted and doweled into the foundation. The panel connection to the pilaster is left free of grout or mortar so that a natural control joint is provided, thus making the fence virtually crack-free. Some fences are provided with a continuous footing, but equally strong structurally is an alternate system whereby the panels span horizontally between pilasters with no footing. This type panel is analyzed as a deep beam with steel placed in a lintel block at the bottom. Of course, joint reinforcement is utilized in all fences.

A new corner unit is ideal for keeping a 16" module when turning a corner in stacked bond and a 4" lintel block can be utilized quite effectively over openings in non-bearing partitions. These new type units are the results of end use research which is aimed at helping the construction industry, be they architects, builders, or masons, to build a better building.

The primary interest of the block manufacturer is the total result. Let us now end at the beginning. Concrete masonry units are being produced daily and being stock-piled to be delivered to that job—yet undesigned.



**ALWAYS GLAD TO SERVE  
YOU!**



We are proud to be supplying the uniformly colored, thoroughly washed, accurately graded, crushed limestone aggregate for this building stone which has earned such wide acceptance by Architects, Engineers, Builders and Home Owners.

**SERVTEX MATERIALS CO.**

CRUSHED LIMESTONE AND ASPHALTIC CONCRETE

P. O. Box 729    New Braunfels, Texas    MADison 5-3457



*Terrazzo by American Terrazzo Co., Dallas  
J. A. Jones Construction Co., Atlanta, General Contractor*

**Wherever** terrazzo is used, it gives the structure a quality imprint •  
 Terrazzo has sheer beauty • It can be designed in overall or decorative patterns in a wide choice  
 of color combinations • The first cost of terrazzo is reasonable • It has the lowest cost per year  
 of life of all floors according to data published by the National Terrazzo & Mosaic Association  
 • Trinity White's extreme whiteness makes a special contribution to terrazzo's beauty with a  
 truer matrix color—whether white or tinted.



A product of GENERAL PORTLAND CEMENT COMPANY

OFFICES: CHICAGO • CHATTANOOGA • DALLAS • FORT  
 WORTH • HOUSTON • FREDONIA, KAN. • FORT WAYNE  
 JACKSON, MICH. • KANSAS CITY • TAMPA • MIAMI • LOS ANGELES

**Trinity White**  
 PORTLAND CEMENT




**ANY WAY YOU STACK IT...** when you specify Cro-Lite Q Block, you know you have the best in building blocks, a block that exceeds ASTM specifications.

Producing Cro-Lite Q Block is another story. Crowe-Gulde Cement Company is making more than an ordinary block, a little better. Cro-Lite is special. It must have all of the qualities of good block... and more.

It is manufactured by complete automation, accurately controlled batching, blending, mixing and controlled vibration. It is cured by autoclaving which means stability, strength and uniformity.

**CHILD'S PLAY?** No; almost forty years of dedicated work has gone into all building materials manufactured by Crowe-Gulde. This expert know-how is a standard ingredient in all Crowe-Gulde lines.

WHEN YOU SPECIFY BLOCK, SPELL IT **CRO-LITE**

**CROWE-GULDE** 

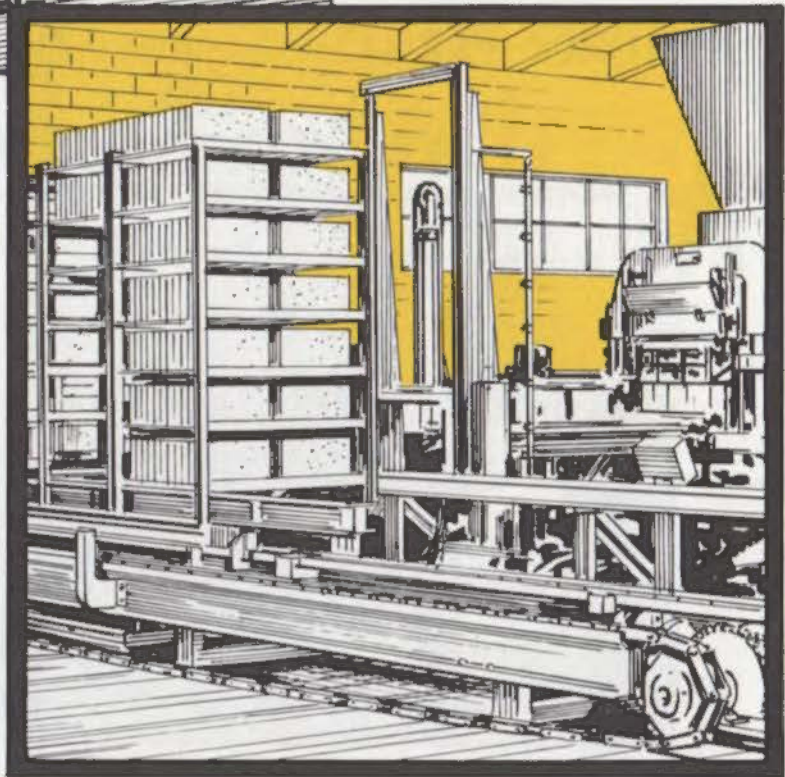
99 N. TYLER • P. O. BOX 9026 • DR 3-4206 • AMARILLO, TEXAS  
PLANTS IN AMARILLO, CANYON, HEREFORD



# You'll wonder where the Fellow went

That's right . . . he left! You don't need an off-bearing man on your crew when you go modern with a Columbia Automatic Rack Loader and Unloader. It loads green blocks at one end while unloading cured blocks at the other. You'll enjoy spending the money you save when you install a Columbia Automatic Rack Loader and Unloader!

Just ask your Columbia man for details.

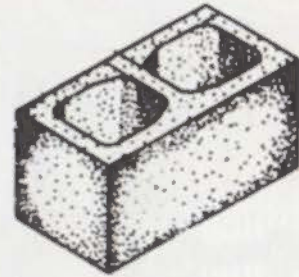


## Columbia MACHINE

Home Office: 107 Grand Blvd., Vancouver, Washington  
 Phone OXford 4-1501  
 Branches: Mattoon, Ill. • Burbank, Cal. • Orlando, Fla.  
 Toronto, Canada

*Manufacturers and world wide distributors of a complete line of plant equipment for production of concrete products*

*Fort Worth*



**BLOCK COMPANY, INC.**

P. O. Box 10237 Ft. Worth, Texas  
Phones CI 6-2481 — Dallas AN 4152  
Versatile, Volume Stable Units

**THREE PLANTS**

*To Serve You in the  
Ft. Worth - Dallas - North Central Texas Area*



**LONE STAR STONE & BLOCK, INC.**

P. O. Box 10237  
Fort Worth, Texas  
Phone  
CI 6-2481

8"  
Alamo Brick

12"  
Norman Brick  
Decorative Blocks

16"  
Longhorn Stone

**Wichita Block & Stone Co., Inc.**

800 Lee Street

P. O. Box 2524

Wichita Falls, Texas

Phone 322-6752



announcing *Q Block*\*

A NATIONWIDE QUALITY CONTROL PROGRAM FOR THE  
CONCRETE MASONRY INDUSTRY

WHAT IS *Q Block*?

Q Block is a new concept in the concrete masonry industry. It represents the first national standard for concrete block established by the industry itself. All Q Block manufactured exceeds A.S.T.M. standards.

WHO CAN MAKE *Q Block*?

Q Block is manufactured solely by members of the National Concrete Masonry Association. And only members whose block meet Q Block specifications may associate their products with Q Block identification. *We are a certified Q Block manufacturer.*

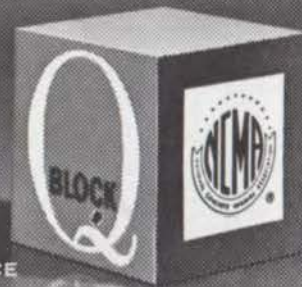
HOW DO WE MAINTAIN *Q Block*  
STANDARDS?

Samples of our block are tested peri-

odically by independent testing laboratories to insure that the block meets Q Block standards of quality.

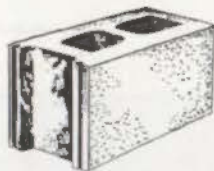
WHO BENEFITS FROM *Q Block*?

Q Block is a national standard for the entire block industry. It means the users of block can specify this versatile material with full assurance that it meets high specifications. Architects and builders now have in this building material beauty and versatility, a distinctive texture for handsome wall effects both inside and out. Complete fire-safety, sound absorption, self-insulation are other inherent qualities. Such significant qualities can only enhance the building industry as a whole.



\*A NEW NATIONAL STANDARD OF EXCELLENCE

DODDS & FOUNTAIN, INC. -- LONGVIEW  
DODDS & FOUNTAIN, INC. -- TYLER  
TEXARKANA CONC. PRODS. -- TEXARKANA



## BOHLS CONCRETE INDUSTRIES, INC.

2303 EAST 6th STREET

*Your Austin, Texas Manufacturer  
of Autoclaved Concrete Masonry Units*

# MOORE BUILDING PRODUCTS

406 BELL AVE.

DENTON, TEXAS

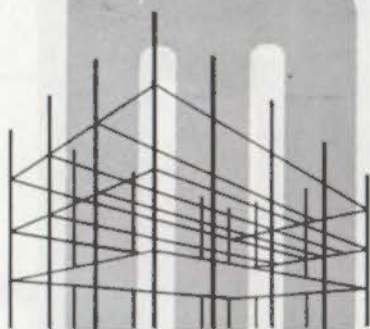
*Manufacturers and Distributors of:*

- Lightweight Concrete Block
- Split Stone
- Patio Stone
- Aluminum Windows
- Masonry Supplies
- Other Building Supplies

TELEPHONE 382-2251

B. R. MOORE

GENE GOHLKE



*It's Not An Illusion . . .*

### THERE ARE THREE M's IN MOSHER

The big M of Mosher stands for three complete divisions to give you the ultimate in steel from its Fabricating Division, Plate Division and Service Center Division.

*Yes, there are three M's in Mosher.*

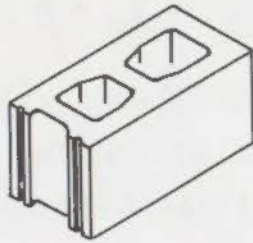
## MOSHER

STEEL COMPANY

*fabricators of steel since 1885*

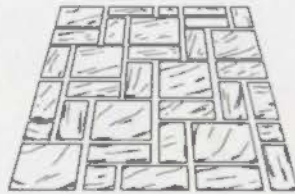


— HOME OFFICE AND PLANT: 3910 Washington Ave., Houston. OTHER PLANTS: Dallas, Corpus Christi, Lubbock, San Antonio, Shreveport, Tyler.



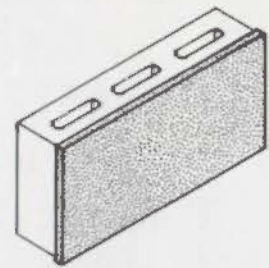
*Autoclaved*

LIGHT-WEIGHT  
BLOCK



**"EMCO"**

Precast Floor  
& Wall Tiles



***Spectra-Glaze***®

GLAZED BLOCKS

**QUALITY CONCRETE MASONRY PRODUCTS SINCE 1927**

FEderal 1-6588  
Area Code 214

TRUCK DELIVERY TO  
NORTH TEXAS POINTS

**NOLAN BROWNE COMPANY**

3815 Singleton Blvd.

P. O. Box 575  
75221

Dallas, Texas

**TEXAS CONCRETE WORKS**

Manufacturers of

**AUTOCLAVED**

LIGHTWEIGHT AND CONCRETE MASONRY UNITS

also

CONCRETE CULVERT AND SEWER PIPE

EVERYTHING MADE TO ASTM SPECIFICATIONS

Box 1787

WACO

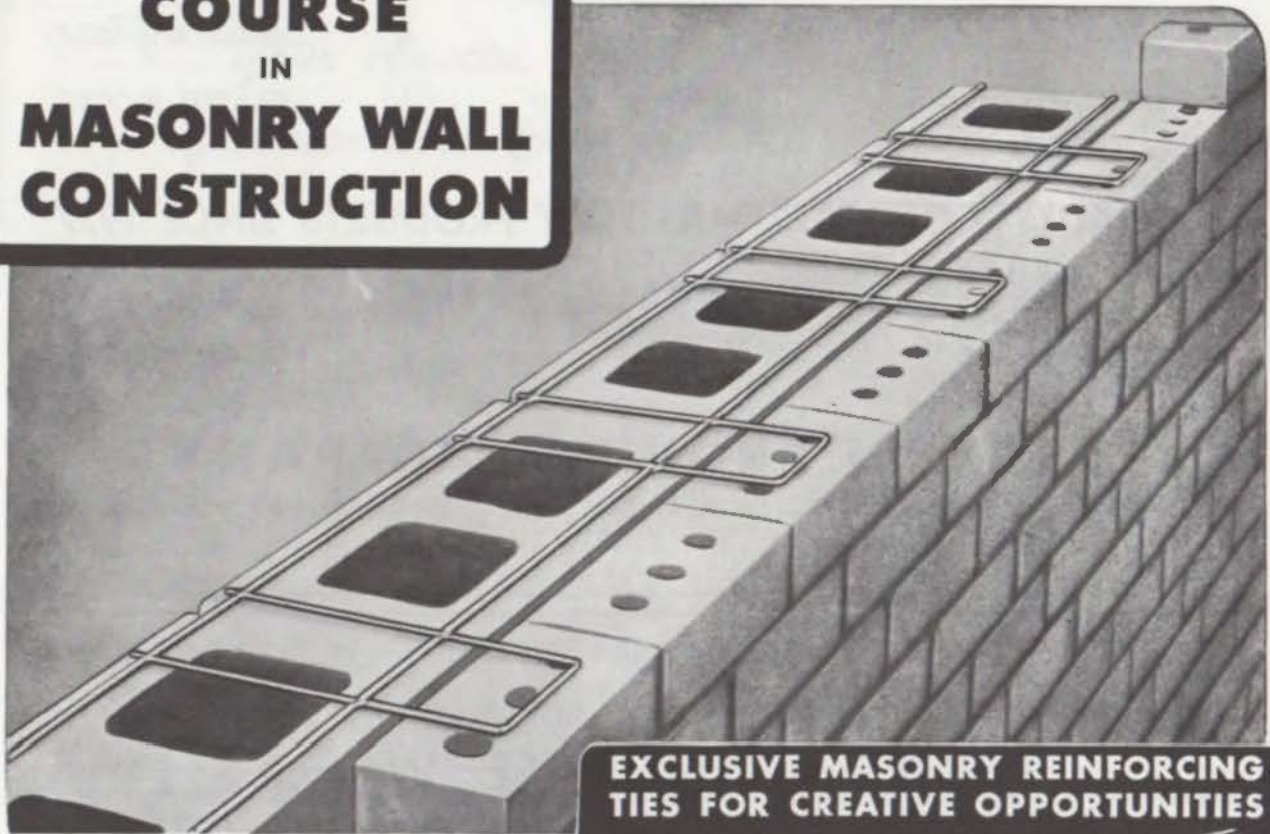
Telephone PL 2-3421

**BIG SAVINGS**  
WHEN YOU  
**ELIMINATE**  
the  
**HEADER COURSE**  
IN  
**MASONRY WALL CONSTRUCTION**

**ECONO-LOK®**

REINFORCING TIES...

- INCREASE WALL STRENGTH
- SAVE ON MATERIAL & LABOUR



**SAVE ON MATERIAL & LABOUR COSTS**

Face brick needed to build 1000 sq. ft. of 8" wall, using 4" face brick facing and 4" concrete block backing and a 3/8" mortar joint.

Header Tied Walls	7,725
ECONO-LOK Tied Walls	6,555
Less Face Brick in ECONO-LOK Tied Walls	1,170

To above saving add these benefits: Provides continuous bond—reinforces backup—assures proper installation—prevents cracking—reduces maintenance.

**TRANSVERSE LOADING RESULTS—  
BRICK AND BLOCK CONSTRUCTION**

(Project No. G585—Armour Research Foundation)

Wall Tie	Total Transverse Load Pounds					Modulus of Rupture psi Average
	1	2	3	4	5	
Header	2600	2500	2300	1800	1400	31.1
Econo Lok 3/16"	5000	—	6400	3800	5200	74.6
Econo Lok No. 9	4400	5400	6800	—	—	81.1

To reduce costs and improve building techniques write for masonry reinforcing catalogue and test data.

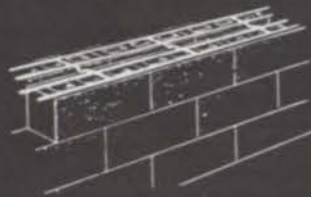
® Registered U.S. Pat. ofc.

©1964 AA Wire Products Co.

**EXCLUSIVE MASONRY REINFORCING  
TIES FOR CREATIVE OPPORTUNITIES**



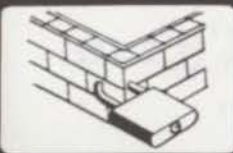
**ECONO CAVITY-LOK**  
for cavity walls  
of block and brick



**CAVITY-LOK**  
for cavity walls  
of block and brick



**BLOK-LOK**  
for all masonry walls



**BLOK-LOK®** of TEXAS, INC.

1331 DRAGON ST., DALLAS 7, TEXAS • TEL.: RIVERSIDE 7-1625

THE BEST IDEAS ARE MORE EXCITING IN CONCRETE



United States Post Office, Houston, Texas. Architect: Wilson, Morris, Crain & Anderson, Houston. Structural Engineer: Walter P. Moore, Houston.

# COOLING BEAUTY FOR A POST OFFICE ...WINDOWED SCREEN WALLS OF WHITE CEMENT CONCRETE

Facing a broad plaza, and a modern civic center beyond, the new Houston Post Office combines dignity with dramatic eye appeal. ■ Some 880 open "windows" of precast concrete give its curtain wall panels a latticed look and form a grillwork that effectively baffles the Texas sun. Made up of fins and spandrels set 2'8" in front of black glass panes, these screen walls are bolted directly to the structure's reinforced concrete frame. To achieve the clean, sparkling look, all the exposed concrete units were cast with white cement, accented with translucent quartz aggregate. The same surface treatment is repeated in plaza details. ■ Everywhere today, architects are finding that concrete's unique versatility in both form and finish provides wide-ranging freedom of expression for important structures of every style and type.

**PORTLAND CEMENT ASSOCIATION** 110 East Eighth St., Austin, Texas 78701  
*An organization to improve and extend the uses of concrete*



THE SOUTHWEST NATIONAL BANK BUILDING, THOMAS E. STANLEY, ARCHITECTS AND ENGINEERS, A.I.A., DALLAS, TEXAS. ASSOCIATE ARCHITECTS, NESMITH-LANE AND ASSOCIATES, A.I.A., EL PASO, TEXAS.

for beauty . . .  
for durability . . .  
you can always  
count on



**BUILDING PRODUCTS CO.**



CONCRETE MASONRY BLOCK • STRENGTH FLOORS & ROOFS  
• ATLAS EXPOSED AGGREGATE CONCRETE • PRESTRESSED  
& PRECAST STRUCTURAL CONCRETE • BUI-WIRE MASONRY  
REINFORCEMENT • ATLAS VOLCANIC AGGREGATE FOR INSULATION,  
ROOFING & LIGHTWEIGHT CONCRETE • STUCCO • SAKRETE  
• SUNSET BRICK\* & STONE • SOLAR SCREEN BLOCK •  
CALCEMENT PAINT • FIESTA STONE • PRECAST LINTELS •  
TONGUE & GROOVE FENCE BLOCK

\*a limestone product

THE ATLAS BUILDING PRODUCTS CO. • 200 NORTH GLENWOOD DRIVE • EL PASO, TEXAS

# SLUMPSTONE

by **JEWELL**



This precision made Slumpstone far exceeds the material used in the construction of the "Great Wall of China" and the formula of endurance remains in this new stone by Jewell.


California Slumpstone uses the same ingredients of Silica and Lime that were used over 22

centuries ago to build the "Great Wall" . . . But now, at Jewell, there is the lasting advantage of Autoclave Process.

This Versatile stone meets specifications for SW brick and its beautiful rugged appearance makes it a natural building material . . . Slumpstone by Jewell is available in the following colors: Dusty Rose, Spanish Moss and Desert Gold.

**JEWELL**

CONCRETE AND MASONRY PRODUCTS

MANUFACTURED IN WACO AND DISTRIBUTED THROUGHOUT CENTRAL TEXAS  P. O. BOX 7115 WACO, TEXAS

Beauty,  
Strength  
and Harmony  
in frameless, multi-story  
brick buildings with the

## CONTEMPORARY BEARING WALL

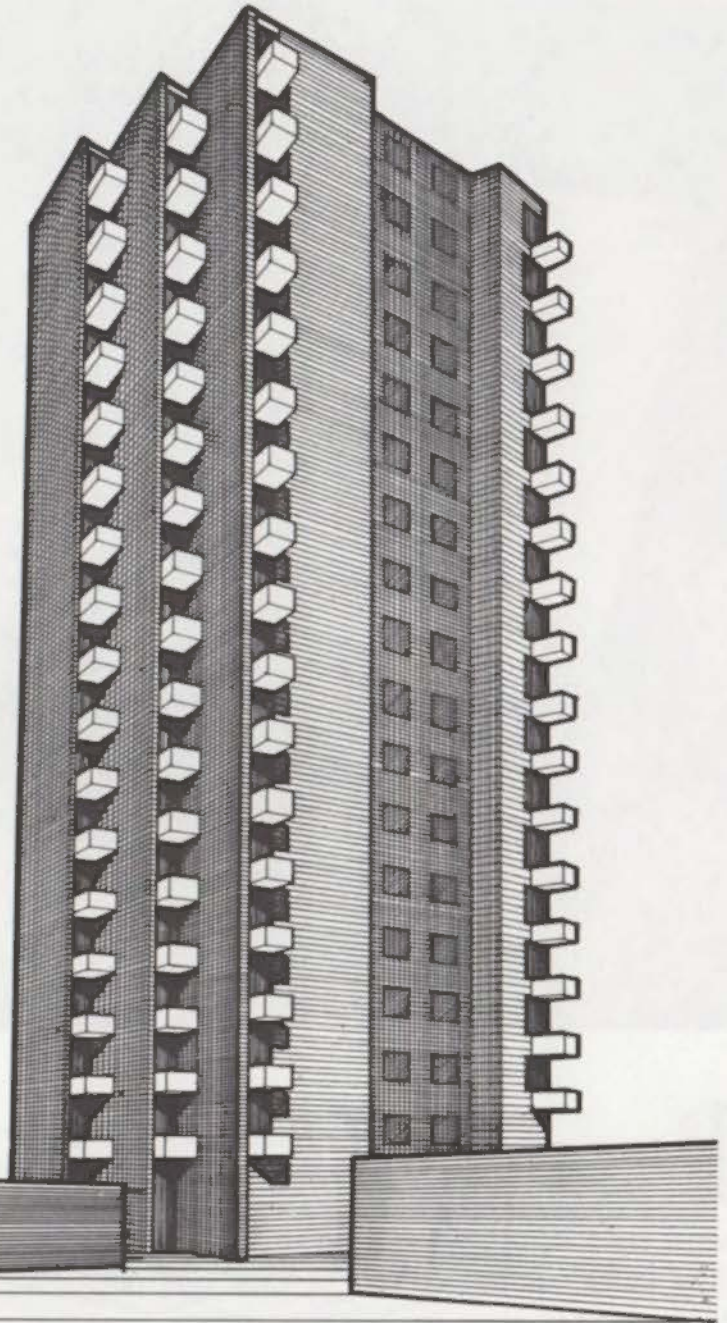
"Real strength never impairs  
beauty or harmony,  
but it often bestows it;  
and, in everything imposingly beautiful,  
strength has much to do  
with the magic."\*

For detailed information on frameless, multi-story  
LOAD BEARING BRICK BUILDINGS at lower cost  
than skeleton frame construction, write:



THE CLAY PRODUCTS ASSOCIATION  
OF THE SOUTHWEST  
Post Office Box 4  
109 Perry-Brooks Building  
Austin, Texas 78761

\*From *MOBY DICK* by Melville





# Pulverized Sand

Texas' first pulverized sand plant at Brady, Texas has now been expanded and can make immediate delivery in bulk or bags, by truck or rail. "Pulverized Sand" is a high quality product especially processed for autoclaved cement products by Heart of Texas Mining Corporation, Dallas, Texas.

Heart of Texas pulverized sand meets the rigid specifications as set forth by leading manufacturers of concrete blocks and cement asbestos pipe. We are pleased to present a recommendation from one of Texas' leading concrete block companies.



TOM JEWELL

August 15, 1964

Heart of Texas Mining Corp.  
Dallas, Texas

Gentlemen:

I have used Heart of Texas pulverized sand in all of the products we produce, including white and pastel colors. To me, "Heart of Texas" stands for top quality, fair prices, good service and friendly people.

Sincerely yours,

TOM JEWELL  
JEWELL CONCRETE PRODUCTS CO.  
Waco, Texas

— ★ — If you want to be sure . . . Specify . . . Heart of Texas Products — ★ —

## HEART OF TEXAS MINING CORPORATION



2510 FIDELITY UNION TOWER — DALLAS 1, TEXAS

DALLAS PHONE RI 2-6534  
AREA CODE 214

BRADY PHONE LY 7-2519  
AREA CODE 915

For Further Information,  
Cut out and Mail to:

"Heart of Texas Mining Corp."

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Products:

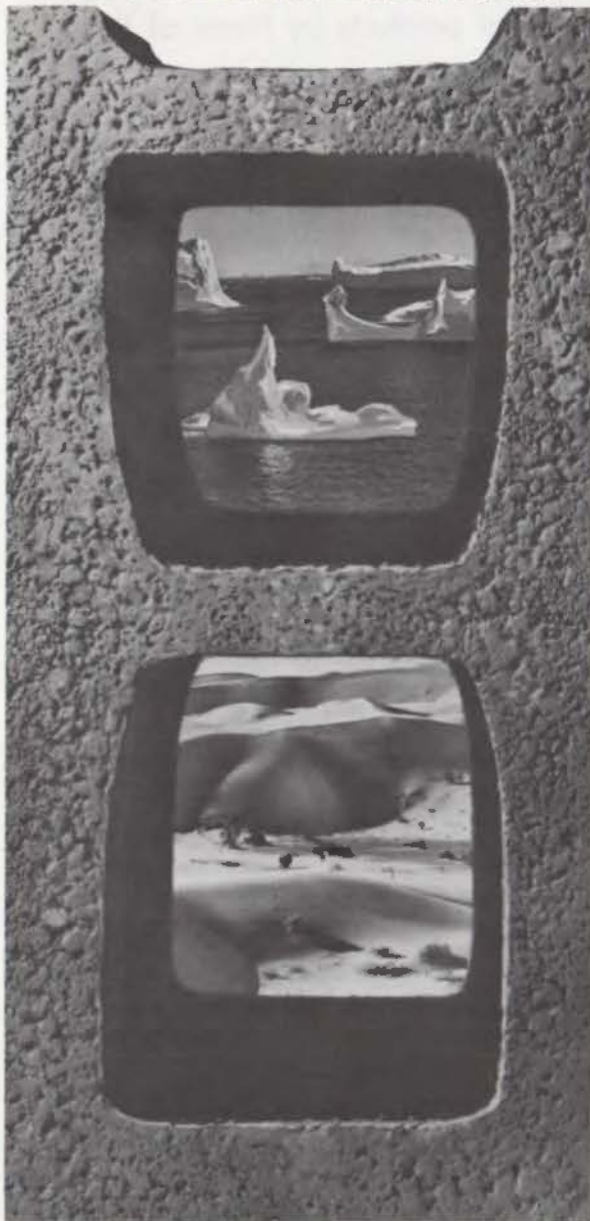
Pulverized Sand

Other

Filtration Sand

Frac

## INSULATION FACTORS



## HEAT TRANSMISSION

*Texas Concrete  
Masonry Association*

Brown Building  
Austin, Texas



No property of a building material is more related to comfort and cost than heat insulation. A healthy, comfortable environment is necessary for happy living conditions. Cost of maintaining desired environment during hot or cold seasons depends upon required size of heat plant, or air-conditioning system, which in turn depends upon heat flow into or out from the structure itself.

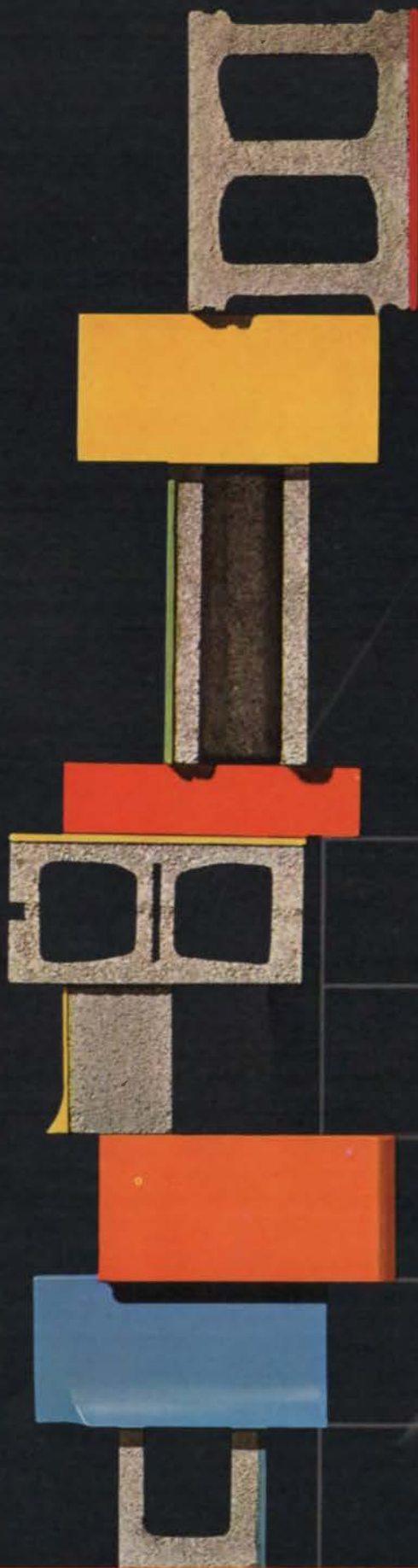
Heat flow or transmission is a direct function of a building material's U-factor, normally stated in terms of BTU's of heat per hour that are transferred through one square foot of wall for each degree difference in temperature (Fahrenheit) between the warm and cool sides. A material with a low U-factor will permit less heat to flow through it under a given set of conditions than a material with a high U-factor.

### Block Is Own Insulator

The U-factor of any wall can be improved by the addition of insulating materials. This is common practice where wall materials are employed which have inadequate U-factors. However, insulating materials generally possess little or no structural value, and always increase wall cost. The load-supporting element of a wall must support and enclose an extra weight—a weight employed solely as added insulation. Few structural materials possess inherent insulation value, the outstanding example being that of lightweight concrete masonry units. Typical U-factors for comfort-concrete masonry are listed in the following tables:

#### Walls of Hollow Units

Exterior Wall Construction	U-Factor	
	8 in.	12 in.
Lt. Wt. Block and Paint Only	0.33	0.30
Plus Granular Fill Only	0.18	0.16
Plus Insulation, Lath, Plaster	0.11	0.11
Or		
Plus Rigid Insulation and Plaster	0.10	0.10
Lt. Wt. Block and Paint (No Fill)		
Plus Insulation, Lath, Plaster	0.17	0.16
Or		
Plus Rigid Insulation and Plaster	0.14	0.14
Cavity Walls of Hollow Units		
Interior Wythe Construction	U-Factor	
	Exterior Wythe	
	Lt. Wt.	Dense
Lt. Wt. Block Only and Paint Both Sides	0.21	0.28
Plus Insulation, Lath, Plaster	0.13	0.16
Plus Granular Fill (Cavity)	0.08	0.09
Or		
1 Ins. Rigid Insulation (Cavity)	0.09	0.10
Plaster Interior Direct	0.21	0.27
Plus Granular Fill (Cavity)	0.11	0.12
Or		
1 Ins. Rigid Insulation (Cavity)	0.12	0.14



*Spectra-Glaze*®

## STACKS UP

These **GLAZED STRUCTURAL MASONRY UNITS**... provide the inherent economies of concrete block combined with the performance of glaze. Specify **SPECTRA-GLAZE** Units to meet requirements for fire safety (ASTM E-84); resistance to crazing (ASTM G-426); dimensional tolerances ( $\pm \frac{1}{16}$ " ) and chemical resistance (ASTM C-126, Grade G). Manufactured in 31 licensed plants and distributed locally.

**SPECTRA-GLAZE®** Glazed Structural Units  
Complete the Concrete Masonry System

SEE SWEET'S CATALOG 4g/Bu or write direct:  
**Nolan Browne Company**  
P.O. Box 575 Dallas 21, Texas  
Area Code 214 FE 1-6588

Fig. 1. S. P. M. Co., Inc., Dallas, Texas. Other Foreign Countries by THE S. P. M. & RUSSELL CO.

Printed in U.S.A.

ANONYMOUS

TEXAS ARCHITECTURE



EARLY TEXAS STONE BUILDING

NEW ULM

TEXAS

PHOTO BY VICTOR PROBST

TEXAS ARCHITECT  
P. O. Box 152  
AUSTIN, TEXAS  
RETURN REQUESTED



## **BUILD IT RIGHT - WITH FEATHERLITE**

*Concrete Blocks - Lightweight Aggregate - Spectra Glaze - Autoclaves - Rotary Kilns  
E-Z Crete - Dri-Mix - Featherlite - Floortile*

**CONCRETE BLOCKS:** Lubbock - Midland - Abilene - Irving - Converse

**EXPANDED SHALE AGGREGATES:** Ranger - Converse

**SPECTRA GLAZE:** Lubbock

**AUTOCLAVES & ROTARY KILNS:** Longview

**MAIN OFFICES:** Austin (P.O. Box 6220, GR 6-8974)



BULK RATE  
U. S. POSTAGE  
**PAID**  
AUSTIN, TEXAS  
PERMIT NO. 1301