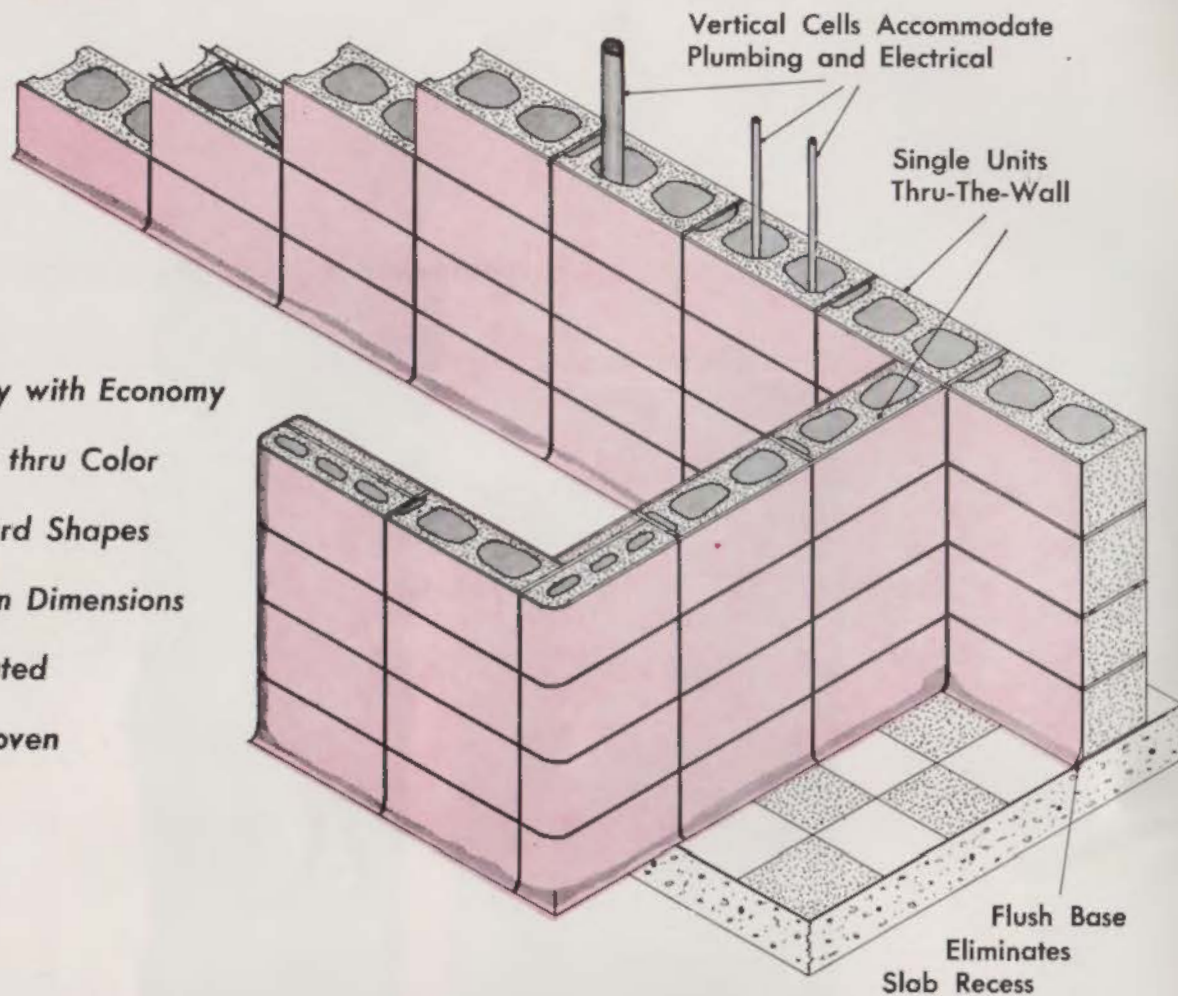




E. DAVIS WILCO
Architects - Engineers
833 S. BECKHAM AVE.
DALLAS, TEXAS

THE TEXAS ARCHITECT FOR NOVEMBER 1960

Build...



- Quality with Economy
- Beauty thru Color
- Standard Shapes
- Uniform Dimensions
- Fire Rated
- Job Proven

A COMPLETE LIGHTWEIGHT CONCRETE MASONRY SYSTEM

With

Spectra-Glaze

glazed concrete
masonry units

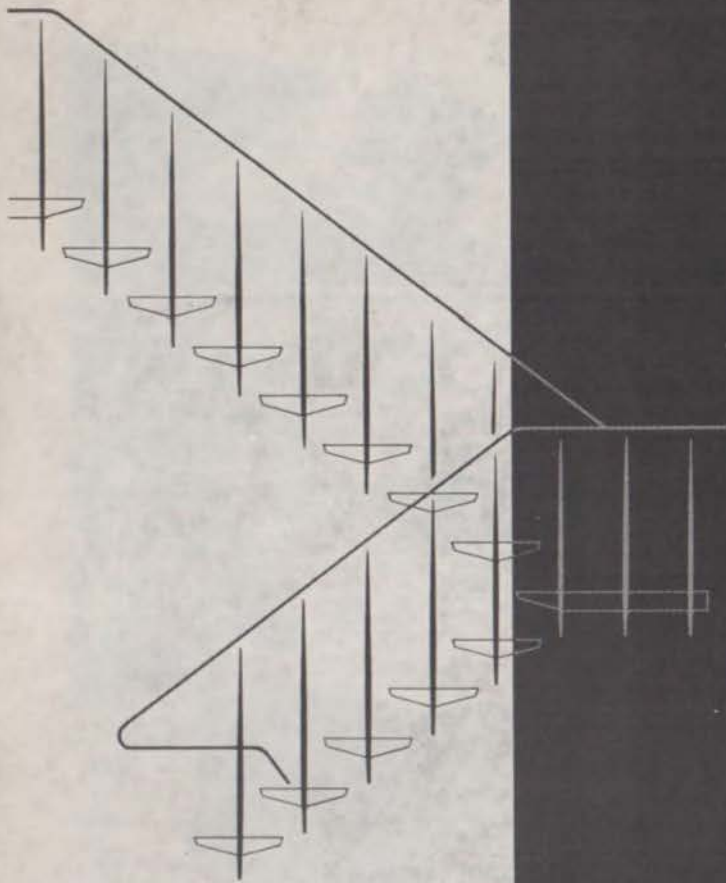
For Additional Information and Brochure
Contact Your Nearest Spectra-Glaze Manufacturer

GLAZED PRODUCTS, INC.
P. O. Box 8346 — Houston, Texas

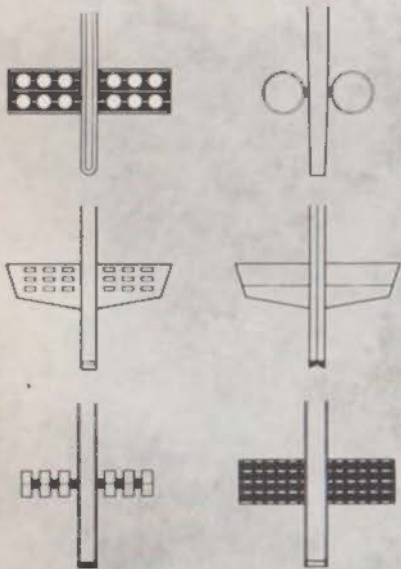
NOLAN BROWNE CO.
P. O. Box 575 — Dallas, Texas

SOUTHWEST GLAZED MASONRY CORP.
P. O. Box 895 — Texarkana, Texas

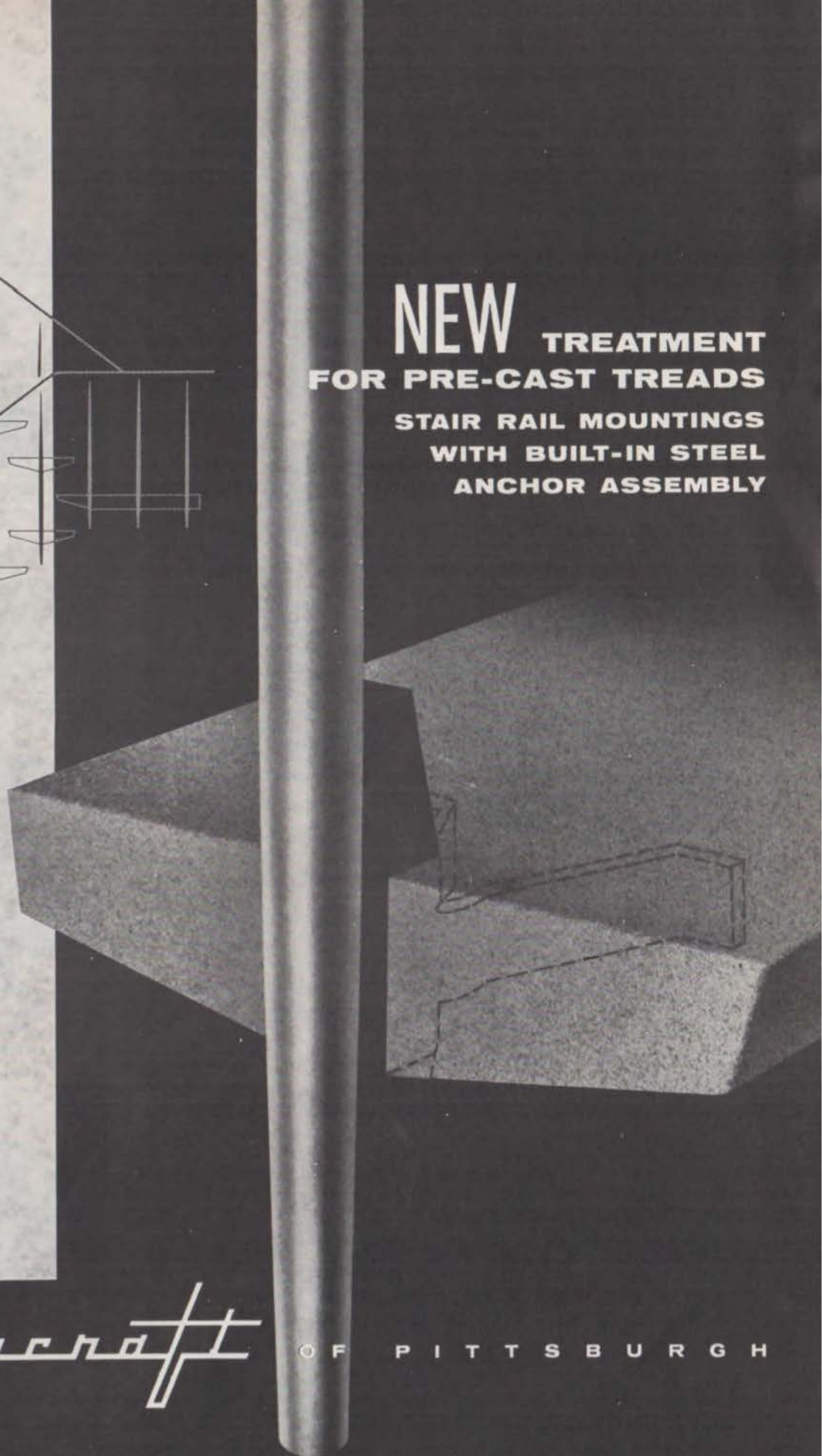
FEATHERLITE TILE CO. of LUBBOCK
P. O. Box 489 — Lubbock, Texas



**NEW TREATMENT
FOR PRE-CAST TREADS**
**STAIR RAIL MOUNTINGS
WITH BUILT-IN STEEL
ANCHOR ASSEMBLY**



ABOVE TRIM AVAILABLE
FOR ALL BLUMCRAFT POSTS

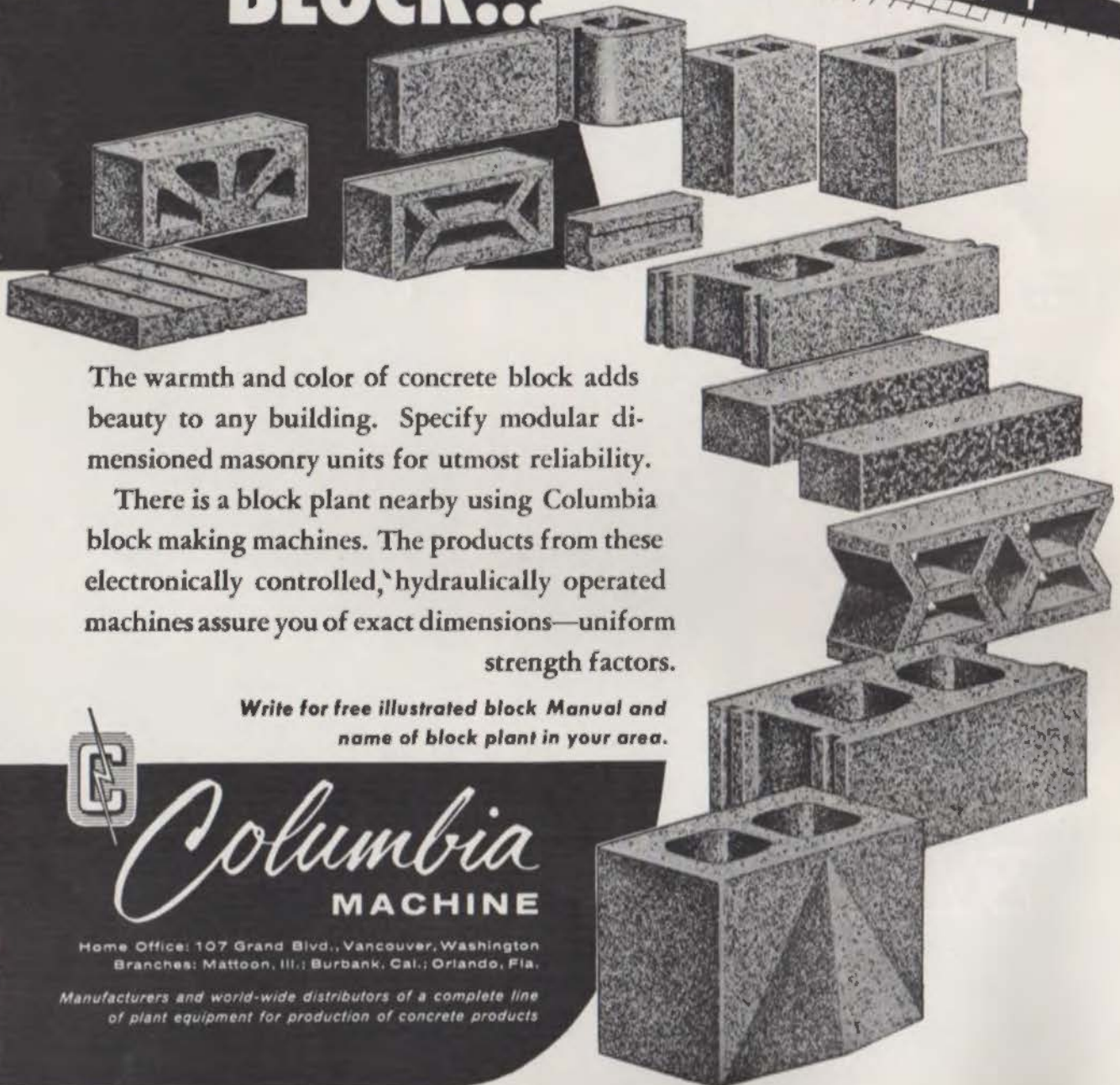


Blumcraft

OF PITTSBURGH

SEND FOR COMPLETE GENERAL CATALOG OF ALUMINUM RAILINGS AND GRILLS
 COPYRIGHT 1960 BY BLUMCRAFT OF PITTSBURGH • • 460 MELWOOD ST., PITTSBURGH 13, PENNSYLVANIA

BUILD BETTER WITH *Columbia* PRECISION- MADE BLOCK...



The warmth and color of concrete block adds beauty to any building. Specify modular dimensioned masonry units for utmost reliability.

There is a block plant nearby using Columbia block making machines. The products from these electronically controlled, hydraulically operated machines assure you of exact dimensions—uniform strength factors.

Write for free illustrated block Manual and name of block plant in your area.



Columbia MACHINE

Home Office: 107 Grand Blvd., Vancouver, Washington
Branches: Mattoon, Ill.; Burbank, Cal.; Orlando, Fla.

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

THE TEXAS ARCHITECT

Vol. 11

November, 1960

Number 9

Official Publication of

THE TEXAS SOCIETY OF ARCHITECTS

The Texas Regional Organization of
The American Institute of Architects

Eugene George, Jr. 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 1960

Reginald Roberts Regional Director
Jack Corgan President
L. W. Pitts, F.A.I.A. President Elect
Harold E. Calhoun, F.A.I.A. Vice President
James E. Atcheson Vice President
William C. Baxter Vice President
Arthur Fehr, F.A.I.A. Secretary-Treasurer
Robert P. Woltz, Jr. Past President
John G. Flowers, Jr. Executive Director

TSA DIRECTORS FOR 1960

Abilene Chapter William M. Collier, Jr.
Brazos Chapter Ernest Langford, F.A.I.A.
Central Texas Chapter Victor G. Probst
Coastal Bend Chapter Robert J. Beasley
Dallas Chapter Roscoe P. DeWitt, F.A.I.A.
El Paso Chapter Louis Daeuble, Jr.
Fort Worth Chapter Joseph J. Patterson
Houston Chapter C. Herbert Cowell
Lower Rio Grande Valley Chapter
. Walter Bowman
Lubbock Chapter Talmage DeWitt
North Texas Chapter Robert Pardue, Jr.
Northeast Texas Chapter Wilbur Kent
Panhandle Chapter Robert E. Hucker
San Antonio Chapter Raymond Phelps, Jr.
Southeast Texas Chapter
. Douglas Steinman, Jr.
West Texas Robert L. Peters

OUR COVER

The sculptural supports of the Temple of Quetzalcoatl at Tula, represent Toltec warriors and feathered serpents. From a Kodachrome by Martin S. Kermacy.

NOVEMBER, 1960



The President's Letter

By

JACK CORGAN

President

Texas Society of Architects

The tremendous prospect of this month's convention finds me approaching the end of my tour of duty with even greater excitement than I experienced when I assumed the presidency of TSA. I knew this year would unfold many new and different experiences for me, and I have found them more than amply rewarding.

There have been many personal experiences which I shall always treasure. I feel, however, that this month our international convention in El Paso has given birth to a great professional experience for all of us which we will long remember.

We are witnessing the realization of many years of hopes and dreams in our profession for a broad exchange of ideas and ideals, not only within our own immediate area, but with able colleagues of another nation.

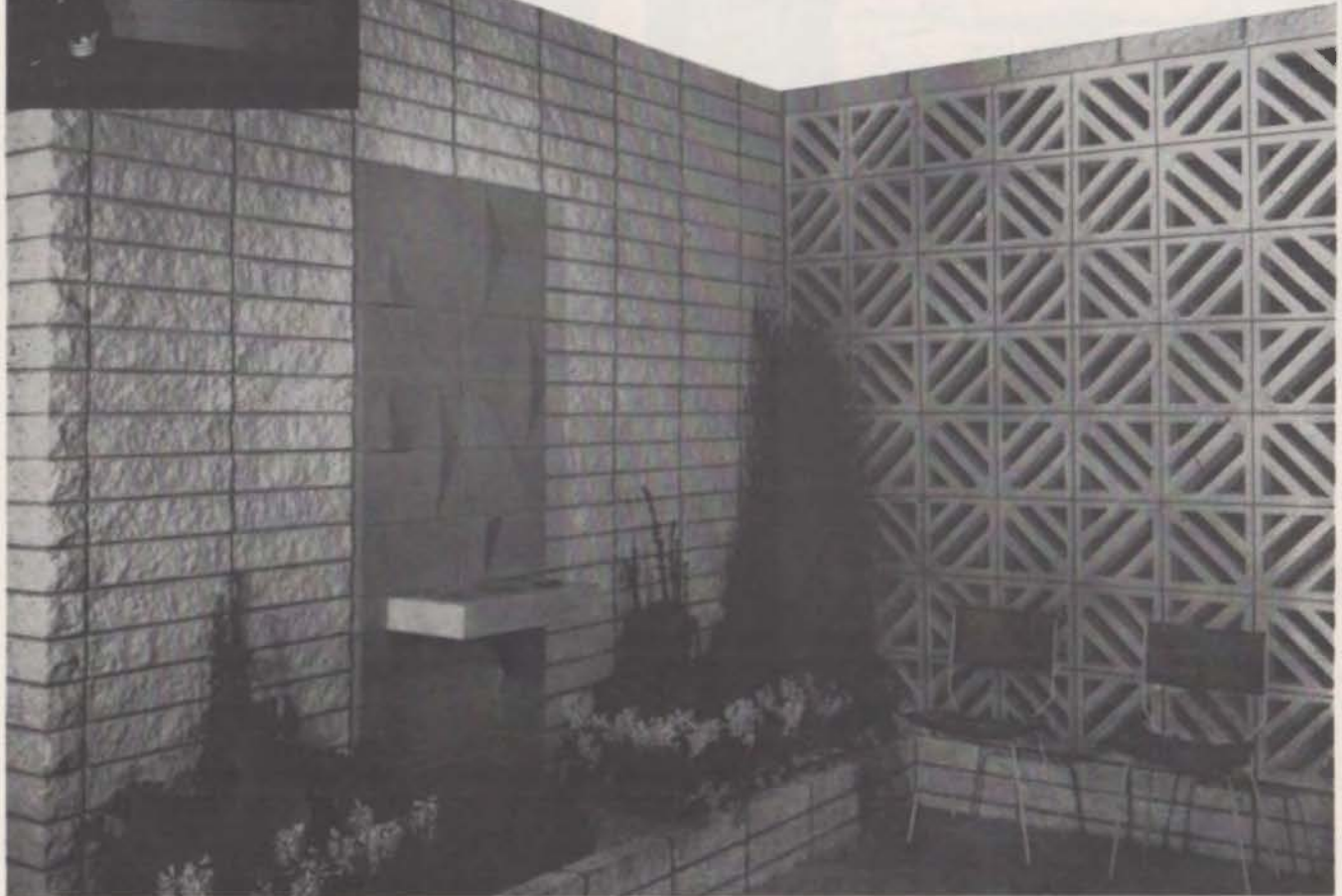
Certainly this is a most desirable attainment, and one with long-range benefits which tax the imagination. This action is without precedent in history, for we have succeeded in reducing the geographic barrier which divides nations at their borders. We have joined with the architects of Mexico in a union of professional brotherhood so basic and fundamental as to find its motivation in a mutual desire to exchange ugliness, poverty, filth and disease for beauty, plenty, cleanliness and robust health.

We have no way of knowing the ultimate outcome of the action we have taken this month in collaboration with our Mexican brothers. We must all feel, though, that our profession has been charged with a great responsibility which calls for a rededication to the ideals, principles and ethics to which we have pledged ourselves as architects.

Sincerely,
Jack Corgan.



"Specify
**STEARNS-MADE
BLOCK...**



for crisp, clean design and high test strength!"

There *is* a difference . . . a definite and advantageous difference . . . in favor of regular or ornamental concrete blocks that are . . . STEARNS-MADE. Whether specified for foundations—load-bearing or decorative walls—inside or out—Stearns-Made blocks mean a neater, crisper finished appearance.

In addition, Stearns research and engineering . . . built-in factors of Stearns equipment superiority . . . assure blocks of constant uniform compaction, size and texture, above code requirement standards of strength, and resistance to chipping or cracking.

There *is* a Stearns equipped block plant near you . . . or write us for the nearest source.



Stearns Electromatic block machine.

STEARNS

MANUFACTURING COMPANY . INC.

ADRIAN • MICHIGAN • U.S.A.

COMPLETE CONCRETE PRODUCTS PLANT EQUIPMENT



BLOK-LOK®

Proven to be Stronger

BLOK-LOK

- controls shrinkage cracking—
- settlement cracking—
- temperature cracking—
- adds lateral strength

CORNER-LOK

- provides added strength at corners

PARTITION-LOK*

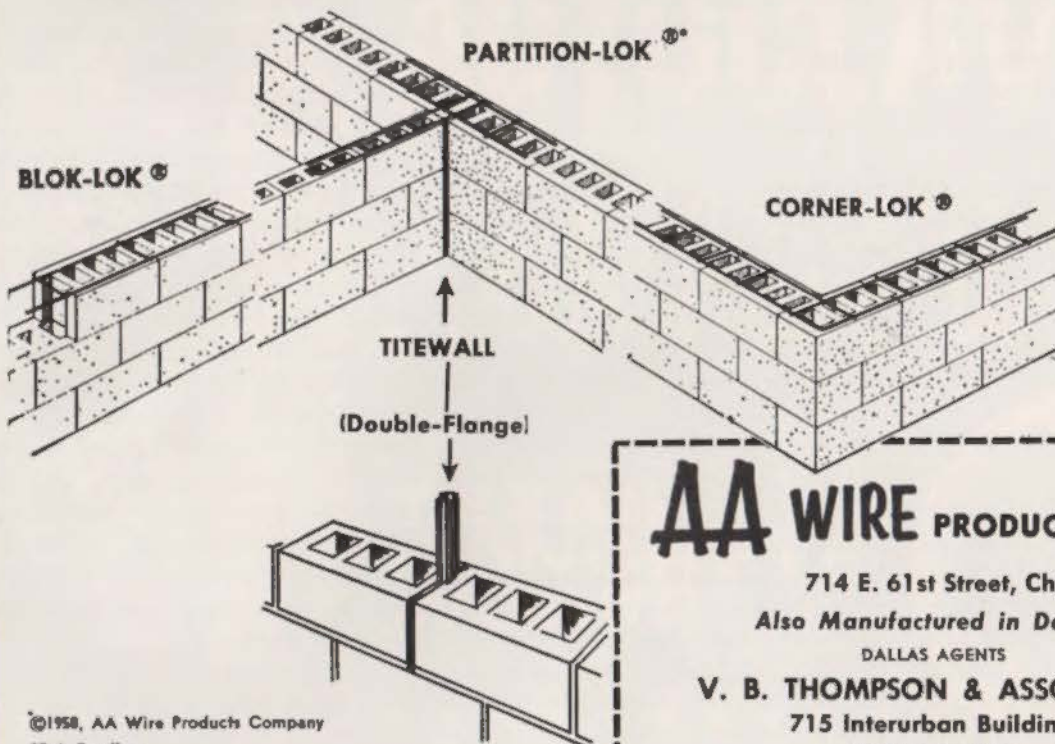
- ties intersections—permits flexibility



TITEWALL

- rubber control joint with double flange made to fit sash block

For maximum bond strength and maximum corrosion resistance, lay BLOK-LOK in mortar bed as shown above. Only steel in tension adds strength.



AA WIRE PRODUCTS COMPANY

714 E. 61st Street, Chicago 37, Illinois

Also Manufactured in Dallas

DALLAS AGENTS

V. B. THOMPSON & ASSOCIATES

715 Interurban Building
Dallas, Texas

©1958, AA Wire Products Company

*Pat. Pending.

®Reg. U.S. Pat. Ofc.



Instituto Tecnológico de Monterrey

John Calboun

Study in Mexico

There is a time when one needs to get away from it all. That time came for me during the months of July and August of this year, when, with fellow architectural students, I headed southward toward a land known as Mexico. Pleasurable as the trip itself might be, we went principally with the idea of furthering our architectural educations in an environment both new and strange to most of us. The architectural program established through the joint efforts of the University of Texas and the Instituto Tecnológico de Monterrey afforded ample conditions for continuing the study of design, while our off periods found us roaming the neighborhoods extending our knowledge of Mexico and things Mexican.

If we were in search of knowledge, we were not alone in the effort. All Mexico, we found, is eagerly searching for knowledge on the universal level. Even though not many Mexicans have the opportunity for education as we know it, they seem to have a self-motivated craving for general education. Those who attend school fully realize that the attendance is a privilege and make the most of their

opportunities. Knowledge is held sacred because it is not easily obtainable. This is especially noticeable as most must depend on the school of life as their institution of learning.

We accepted Mexico as a cultural entity uniquely different from our own. This acceptance is necessary on the part of the *norteamericano* if he is to be enriched by the cultural contrasts between the two countries. We found the Mexicans quite friendly and sincerely interested in things north of the Rio Grande. The small newsboys even inquired politely of Nixon as a presidential candidate. It soon became easy for us to understand why John Steinbeck aptly describes the Mexican people as "noble hearted, uninhibited and frank—with the ideals of knights." We found them so, and intensely patriotic to their own country.

Architecturally, we found many influences at work in Mexico. The mood, basically, is a gay one. Color might have been imported from the patios of Cordova, or it might be an influence from the ancient Mexicans. It is still used vigorously, regardless from whence it came. Pastels of pink,

green, blue, and violet all mingle in the urban landscape.

We visited with interest the buildings of old Mexico. El Obispado is the Bishop's Palace. Built in 1782 by Don Jose Rafael Verea, the palace was intended solely for the Catholic diocese. However, it was turned into a fortress in 1846 during the Mexican-American war. Then, later, it was again used as a fortress against the French. Carranza and Villa also used this strategic (it is located on a hilltop) site for a fort. Today, the Obispado functions as a museum depicting the cultural, artistic, and industrial life of the area.

We saw the old church in Saltillo. One of the few true colonial churches in northern Mexico, its baroque influence is evidenced by carved reliefs adorning the exterior walls. On the inside, the paintings by the Indians are quite free and colorful. The walls, in contrast to much of the new thin concrete work, are from three to seven feet thick.

From the twenty-eighth floor vantage of a new building under construction, we could view the residential areas of the city of Monterrey. The

majority of the houses are placed quite close to each other with side walls in common—a continuance of an established tradition as well as an expression of a tight land economy. The patios within have their delights, and living must be pleasantly private—even though the facade facing the narrow, heavily trafficked street enjoys no setback. Incidentally, another inheritance from Spain is the *sala*, which one reaches through a staircase from the inside. This 'sala,' which might well be called 'a living room balcony,' is enjoyed by all. In the wealthier sections of the city, we could see a villa-like atmosphere as contrasted with the majority of patio type houses. These large estates maintained large gardens with permanent *jardineros*.

The principal material of the modern architect in Mexico is concrete, and he does not hesitate to use the material to its maximum structural limits. Though the church called Purisima, a splendid concrete vaulted structure built some years ago

by Enrique de la Mora, attests to advanced structural thinking in the recent past; there is much work being performed in thin shell concrete at the present time. Felix Candela is building such a structure (another church) in Nueva Leon.

One secret of the success of concrete construction in Mexico is the low cost of construction labor. A *maestro*, or construction superintendent, makes the infabulous sum of one thousand pesos, or eighty dollars per month!

Monterrey is the principle industrial center in northern Mexico. Two of its manufactures are of interest to students of architecture. There is a steel mill which runs to capacity around the clock. This mill has particular interest for the student in that it contains machinery which utilizes both antique as well as modern methods. One can appreciate the developments in modern steel manufacture when both techniques operate simultaneously.

Also interesting was "La Ladrill-

era," or brick factory. We examined the methods by which brick and tile are made. The end products are quite attractive. Fifty per cent of the production of this plant is destined for the United States markets.

In the vicinity of Monterrey there are natural wonders to be seen as well. One of the points of interest is the *Grutas de Garcia*, or the Garcia Caves. Discovered by a Mexican priest, they are not even yet fully explored. We wandered through the *grutas* for almost three hours. Each section we visited differed in some way from the one previous.

Too, there is the well known *Cola de Caballo*, or Horsetail Falls. The journey to the falls is a delight in itself. Houses, as well as people, are quite colorful along the way. Though the distance is walkable, many people enjoy the scenery en route astride horse or burro. The awe inspiring sight of the falls themselves makes the visit rewarding.

Chipinque is the mountain which

AUTOCLAVE?

.. We have it !

TEXAS CONCRETE WORKS

P. O. BOX 1787 WACO, TEXAS

BARRETT INDUSTRIES

Manufacturers of Concrete Aggregates and Concrete Products

- BARLITE CONCRETE BLOCKS
 - BARLITE LIGHTWEIGHT CONCRETE AGGREGATE
 - READY-MIX CONCRETE
 - SAND AND GRAVEL CONCRETE AGGREGATE
 - COLORED BUILDING STONE
 - COLORED CATALINA BLOCKS
 - SACKED MORTAR MIX
 - SACKED CONCRETE MIX

Main Office and Plant: 2718 Southwest Military Drive

Telephone: WA 2-1271

San Antonio, Texas

towers above the city of Monterrey. Crowned with trees, the mountain has a cool and refreshing quality which is in contrast with the dustier city below. Four thousand, two hundred feet above sea level, it takes about thirty minutes to ascend by automobile. Once at the summit, one can envisage the whole plain of Monterrey extending out below. There is a restaurant at the top; and, incidentally, one can still hunt bear in the vicinity.

As American students of architecture in Mexico, we realized that we

were very privileged to examine our own backgrounds in the light of another country. We gained immeasurably from the six weeks' exposure. However, we also realized that we had but tapped the surface of the cultural potential. True, it was a good vacation from which we extended our knowledge of architecture. We also realized that we have much to gain from the cultures to the south, and a continuing program of study on our part could result in many benefits which can improve our own architecture.

New Brochure

AA Wire Products Company has prepared a new technical 7-page brochure which features *new* anchors and ties for bonding non-modular masonry veneer to modular masonry back-up.

Also featured are nail-on anchors for anchoring masonry veneer to existing surfaces. Engineering drawings illustrate products use and specifications describe product application. (AA Wire Products Company — Chicago and Dallas)

EXPERIENCE and
PRIDE in WORKMANSHIP —
is
YOUR GUARANTEE

Herman L. May & Co., Inc.

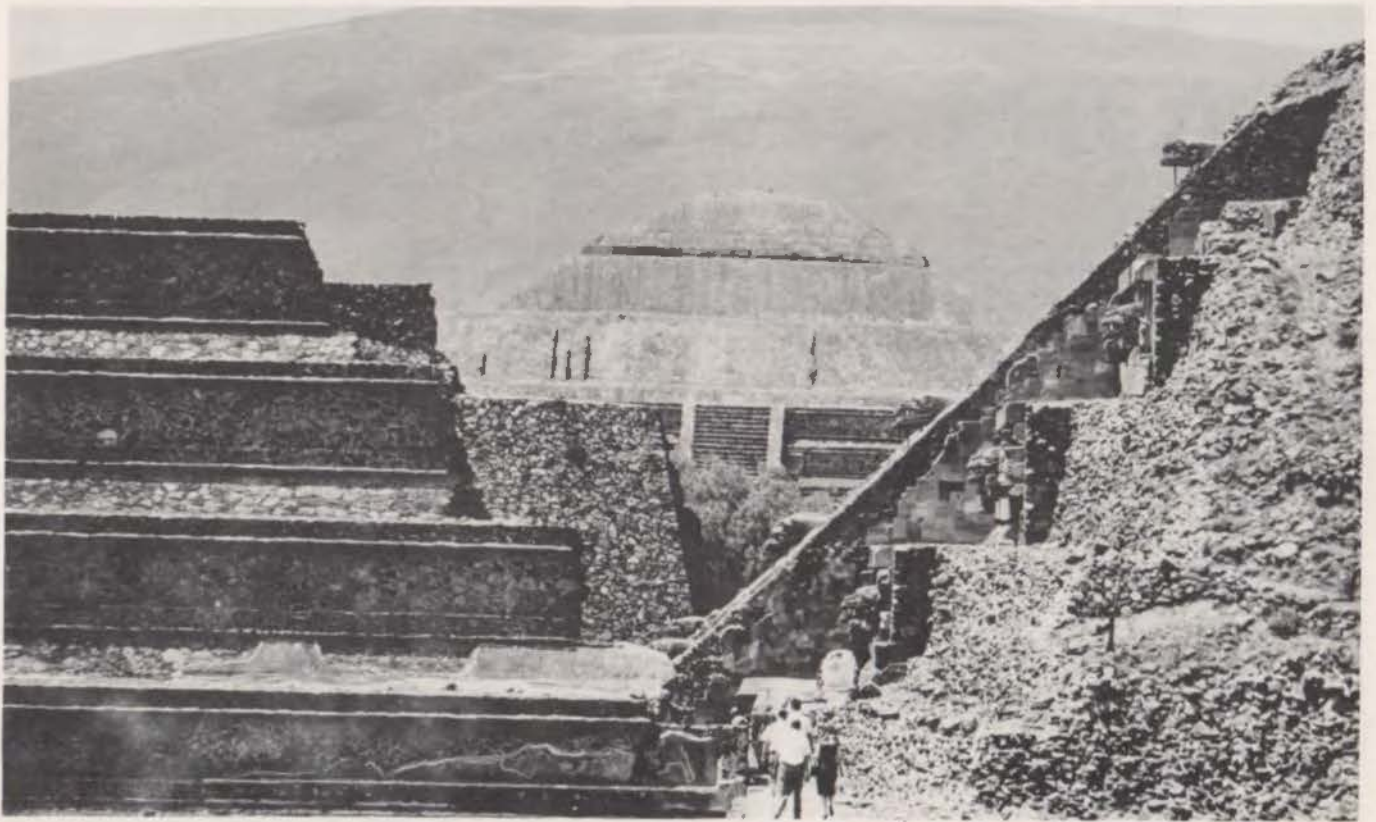
900 EAST HOUSTON

GR 3-7683

PASADENA, TEXAS

Member — Associated Masonry Contractors
of Houston





Teotihuacan. View inside the Citadel compound looking north toward the Pyramid of the Sun. Pyramid of Quetzalcoatl in foreground.

Pre-Hispanic Architecture of the Mexican Plateau

All photos from Kodachrome by the author

In Mexico, as elsewhere throughout the world, architecture appears only after man is producing more food than the minimum required to stay alive, and after he has forsaken the nomadic life of the hunter for the sedentary occupation of the farmer. His numbers multiply in spite of the conspiracy of man and nature to kill him off, and he bands together with other men to form protective co-operative associations called communities. The communities are established where conditions most favor the production of food, which is another way of saying that location is determined by climate and geography.

Geographically, Mexico is composed of lowland, plateau, and mountains. The lowland is excessively hot, wet, and fertile—conditions which favor plants and the lower forms of

animal life, but are inimical to any except an obdurate or desperate man. The mountains are precipitous, cold, or barren—all characteristics unfavorable to agriculture. The plateau, called the Valley of Mexico or the Vale of Anáhuac, presents the most favorable combination of climate, rainfall, and topography for the production of food, and from prehistoric times to the present, the peoples of Mexico have concentrated themselves in this area. The plateau is cut up by mountain ranges which divide it into seven high basins. These include the basins of Mexico, Toluca, Guanajuato, Aguascalientes, Jalisco, Morelos, and Puebla. They account for one-eighth of the area of Mexico, but contain one-half of all the land devoted to the cultivation of maize, and one-half of all the farmers in the country.

From prehistoric times to the arrival of the Spaniards, the pattern for cultural migrations in Mexico remained the same. Successive waves of nomadic hunters surged southwards in search of food, engulfing or pushing on those who preceded them. Where climate and geography were propitious, the hunter became the farmer whose art of cultivation developed the ubiquitous maize from wild grasses. Agriculture fostered the development of communal life and agricultural interests led to close observation of natural phenomena, the seasons, and the elements. The medicine-man became the priest of an agriculture-oriented pantheism that embraced sun, moon, stars, earth, rain, wind, and fire. The theocratic nature of these early civilizations required great ceremonial centers, and these consti-

FOR ENDURANCE COLOR ECONOMY DESIGN



Architects specify Black-Brollier
Building Materials

- Spectra-Glaze®
Glazed Structural Masonry Units
- Autoclaved Featherlite Concrete Block
- Desertone — Facing Stone
- and a complete line of hard building materials



BLACK-BROLLIER

3010 DIXIE DRIVE — HOUSTON — RIVERSIDE 7-7100

tute the earliest architecture of the American continents.

These developments were periodically interrupted by fresh invaders from the north, who either conquered and superseded, or were themselves conquered and absorbed by the established civilizations. In attempting to fix a chronology for the pre-hispanic cultural history of Mexico, there is considerable disagreement among archeologists since the nature of the subject matter does not lend itself to precision. The classification published by the Instituto Nacional de Antropología e Historia is given here to serve as a guide for comparison with contemporary events in other parts of the world.

The pre-hispanic cultural history of Mexico is broadly divided into the following periods:

1. Prehistoric Period, from earliest times to 1500 B.C. Towards the end of this period a transition from hunting and gathering to agriculture.
2. Archaic Period, 1500 B.C. to the time of Christ. Populations increased, agriculture prospered, settlements were established. The first architectural monuments—the temple base of Cuicuilco.
3. Classical Period, about 100 A.D. to 900 A.D. The apogee of the great civilizations of the New World. Teotihuacan, whose influence spread from Sinaloa to Guatemala.
4. Toltec Period, 900 A.D. to 1150 A.D. The "Reed People" of Tula, largely of Chichimec stock. Associated with the introduction of metals. Their civilization spread to the Mayas of Yucatan. Empire fell to fresh waves of Chichimec invaders.
5. Transitional Period, 1150 A.D. to 1325 A.D. Great confusion and tribal adjustment.
6. Aztec Period, starting in 1325 A.D. Ascendence of the "Crane People" or Aztecs, the most active of the newest wave of Chichimec invaders. About 1430 they became the dominant tribe and extended their empire beyond the Isthmus of Tehuantepec. Empire fell to the Spaniards.

Cuicuilco, the oldest architectural monument in the Americas, is a ceremonial mound situated in the Pedregal close to the University of Mexico. It is a conical stepped pyramid composed of four layers rising above the base to a height of about sixty feet.

Ramps and stairs located opposite each other on a precisely east-west axis lead to the top which originally supported a small temple containing an altar. Toward the end of the Archaic Period, about 500 B.C., a volcanic eruption buried the base in thirty feet of lava. The diameter at the base is approximately four hundred feet, but its exact dimensions are impossible to determine because of the damage it suffered during the blasting of the lava in the course of the initial "archeological" investigation. Exploratory tunnels driven into the base disclosed that the mass is a solid pudding of clay and large boulders, and that the outer pyramid was built over an earlier and smaller one. Cuicuilco's significance is archeological rather than architectural. But the structure is architecture, because it demonstrates man manipulating form not out of necessity alone, but guided by a conscious concern for visual impact on a monumental scale.

The ceremonial center of Teotihuacan represents the remains of the

about the third century A.D. and lasted until its conquest and destruction in the ninth or tenth century. It was longer-lived than any other in the Valley of Mexico, and had the opportunity to develop its civilization to a high degree. The ceremonial center occupied a little less than a square mile in area, and was surrounded by the residential zone of the priest-rulers. The bulk of the population lived on the outer periphery in small impermanent dwellings surrounded by fields.

The principal monuments include the Pyramid of the Sun, the Pyramid of the Moon, and a complex known as the Citadel, containing a pyramid dedicated to the culture hero Quetzalcoatl represented as the Feathered Serpent. The pyramidal masses are built up of adobe bricks with an outer surface of rough stones that were originally covered under a thick coating of painted plaster. Exploratory tunnels reveal the same superposition of successive structures over earlier work as was the case of Cuicuilco.



Cuicuilco. The oldest architectural monument in the Americas — believed to have been abandoned before 500 B.C.

dominant culture in the Valley of Mexico during the Classical Period. Formerly lumped in with the Toltecs, the Teotihuacanos have recently been provided with a cultural pigeon-hole of their own. This culture evolved

The periodic enlargement is ritualistic and connected with the fifty-two-year cyclic ceremony of the "New Fire" which played such an important role in the religion of these peoples. The Pyramid of the Sun rises in five



**you can
always count on**



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

sloping tiers to a height of a little more than two hundred feet. The flat top supported a temple of which only vestiges of the floor paving remain. The Pyramid of the Moon is similar in form, but has only about one-quarter the volume of the larger pyramid. The Pyramid of Quetzalcoatl in the Citadel is particularly interesting because the western face of an inner pyramid, now exposed to view, reveals a surface of finely cut and fitted stonework, richly embellished with powerful painted stone sculpture representing Quetzalcoatl the Feathered Serpent and Tlaloc the Rain-God.

At Teotihuacan the architectural principal of visual order first observed at Cuicuilco is seen in a highly de-

veloped, expanded, and refined form. The ceremonial center is organized about a principal north-south axis known as the Avenue of the Dead, having the Pyramid of the Moon at its northern end. Buildings are organized into related groups defining patio-like spaces on either side of the avenue, setting up spatial cross-currents modulating the principal axis. The terrain slopes appreciably along the axis, and this fact was exploited to add a further dimension to the spatial sequence. The avenue was segmented by steps defining broad esplanades cascading to the south and

imparting a volumetric richness which emphasized the organizational pattern of the entire complex. Sculpture appears only on the before-mentioned inner pyramid of Quetzalcoatl and in a few important individual pieces. Mural painting was developed to a high degree as seen in the so-called Temple of Agriculture flanking the Avenue of the Dead and at Tepantitla, the priests' quarters located east of the Pyramid of the Sun.

An extravagant use of architectural sculpture is exemplified in the principal pyramid at Xochicalco, a site still largely unexcavated, lying about half-way between Cuernavaca and Taxco. Like Teotihuacan, this site was an abandoned ruin in Aztec

monial center which lasted until about the middle of the twelfth century when they were themselves destroyed by a fresh wave of invaders from the north. On a smaller scale than at Teotihuacan, their architects built a group of temple-topped pyramids and priestly dependencies that were as intimately related as the Christian monastic church is to its cloister. The fusion of disparate elements of use into a unified visual whole is a new architectural problem which the Toltecs solved with great skill. The Pyramid of Quetzalcoatl rises out of a complex of low buildings linked by a colonnade opening onto the principal plaza. The temple on top of the pyramid was an elaborate structure with sculptured supports representing feathered serpents and Toltec warriors. The outer covering of the stepped pyramid no longer exists, except for small remnants at the base. From these it appears that the entire surface was covered in painted stone sculpture, and similar sculpture embellished a large part of the adjoining structures.

During the tenth century the Toltecs dominated the Maya in Yucatan, which accounts for the appearance at Chichen Itza of Quetzalcoatl the Feathered Serpent (now called Kukulcan) and such Toltec architectural features as porches and colonnades, and human sculpture of the Atlantean type. The Toltec influence is particularly strong in the Mayan sculpture of the period.

Quetzalcoatl appears in a different role at Calixtlahuaca, an extensive archeological site about five miles north of Toluca. Here he is God of the Winds, and his temple was erected upon a cylindrical stepped pyramid with a stairway oriented to the east. The cylindrical form is uncommon among the remains of the prehispanic cultures, and this example exhibits two earlier constructions under the fragmentary remains of the final stage. This structure was part of the ceremonial center of the Matlazincas, long the masters of the Toluca Valley. The height of their cultural development is believed to have been contemporaneous with



Teotihuacan. Head of Quetzalcoatl, the Feathered Serpent, from inner pyramid in the Citadel.

times, and nothing more can be alleged about the people who built it than that they flourished at some time between the Archaic and Aztec Periods, and may have been related to the Toltecs.

The Toltecs are now charged with the conquest and annihilation of Teotihuacan, and it is suggested that in the process the Toltecs met and adopted Quetzalcoatl the Feathered Serpent. Subsequently they established themselves at Tula, about fifty miles north of the present Mexico City, and during the course of three centuries built an impressive cere-

that of Tula, and some evidence suggests that they may have been relatives of the Toltecs. Long before the Spaniards came, the Matlazincas had been reduced to a dependency of the Aztec empire.

The destruction of Tula and the decline of the Toltec empire was followed by a period of great confusion and tribal adjustment. About the beginning of the fourteenth century the "Crane People" or Aztecs began to emerge as a power, and by 1430 they had become the dominant tribe with an empire extending beyond the Isthmus of Tehuantepec. Since the Spaniards did such a thorough job of destroying the ceremonial center of Tenochtitlan, the pyramid at Tenuyuca on the northern fringe of Mexico City is the best remaining exemplar of Aztec architecture. From its beginnings in the latter part of the eleventh century, it was rebuilt and enlarged every fifty-two years. The eighth and last reconstruction took place just before the arrival of the Spaniards. Characteristically Aztec is the broad double or divided stairway flanked by wide balustrades, leading to two temples on the summit. The construction is of adobe and rubble faced with roughly shaped stones that originally were covered with painted plaster. The effect is simple and severe, particularly when



Teotihuacan. Western face of the Pyramid of the Sun

compared to the earlier works at Tula, Xochicalco, and Teotihuacan.

Cholula, on the northern outskirts of Puebla, is the largest pyramid in Mexico. The occupation of the site dates back to Archaic times, and during the Aztec Period it was a religious center dedicated to Quetzalcoatl. The Spaniards replaced the temple with a church, and the works of man and nature have since then combined to disguise the pyramid itself as a modest natural hill rising above the level plain.

Romanticists periodically try to link the Mexican pyramids with those of Egypt, disregarding the fact that the Egyptian pyramid is pointed and contains a tomb, while the Mexican is a solid podium for a temple and is therefore always cut off at the top to provide a platform. It is also suggested that the pyramidal form evolved in imitation of the volcanoes that dot the Mexican countryside, yet it seems more reasonable to assume that man early learned it is easier and safer to build masses with sloping rather than vertical sides.

"Arquitectura Prehispanica" by Ignacio Marquina remains the definitive work on the pre-hispanic civilizations of Mexico. The official guide books issued by the Instituto Nacional de Antropologia e Historia, available in Spanish and in English, are helpful sources for detailed study of the individual sites. Sanford's "The Story of Architecture in Mexico," is a very readable non-technical survey of Mexican architecture from earliest times to the present.

Taxpayer: A person who does not have to pass a civil service examination to work for the government.



Tula. Pyramid of Quetzalcoatl, with colonnade in foreground facing the principal plaza of the complex

EDITOR'S NOTE: El Paso was the scene for the Twenty First Annual convention of the Texas Society of Architects early this month. Appropriately, the theme of the convention was 'Architecture for the Americas.' In line with the convention theme, the November Texas Architect heralds Mexico. Professor Martin S. Kermacy capably describes portions of Mexico's ancient architectural past, while Sam Meraz gives us some ideas concerning the present. There are lessons for all of us in the well ordered work of the ancient Indian mason. We hope, too, that you will enjoy contemporary uses of concrete masonry which follow.



Cholula. The volume of this pyramid exceeds those of the Egyptians—making this the largest man-made structure in the world.

Xochicalco. (below) Detail of the northwest corner of the principal pyramid.



Membership Roster for Texas Society of Architects—1960

ABILENE CHAPTER

Corporate Members—Abilene

Boone, Daniel, 262 Leggett
Bridges, John M., Jr., 279 No. Willis
Brown, Woodlief F., 214 Mims Building
Buzard, Richard, 262 Leggett Drive
Castle, David S., Jr., Box 123,
1082½ North First Street
Hinton, Joseph De Shane, Brownfield Bldg., Snyder
Lindberg, Paul T., 2218 Sayles Blvd.
Luther, John Joseph, 542 Butternut
Moore, Bob G., 687 Redwood Dr.
Strickland, J. R., Jr., 3525 North 10th
Tittle, James Donald, 542 Butternut
Associate Members—Abilene
Canon, Val, Jr., 262 Leggett Dr.
Loving, Horace, 542 Butternut
Olds, Frederick C., P. O. Box 2259
Pope, William A., 262 Leggett Drive
Price, Homer Lester, Jr., 770 Amherst
Wheeler, James H., 262 Leggett
Junior Associate Member—Abilene
Martin, William Joseph, 1742 South 23rd

BRAZOS CHAPTER

Fellow

Langford, Professor Ernest, Box 4172, South Station,
College Station
Corporate
Evans, Benjamin H., 320 Engineering Building,
College Station
Hildebrandt, Edward F., Washington County State
Bank Bldg., Brenham
Holleman, Theo R., A & M College, College Station
Matthews, 314 Varisco Building, Bryan
Mayfield, Henry D., Box 1046, Bryan
Nash, Wm. E., Box 41, Bryan
Romienic, Edward J., 88 Morningside Drive,
Butler Hall, New York 27, N. Y.

Vrooman, Richard, F. E., A & M College,
College Station
Wagner, William G., A & M College,
College Station

ASSOCIATES

Godwin, Charles J., 1903-A South College Road,
Bryan
Hammons, Doll S., 1504 Texas Avenue, Bryan
Rotsch, Melvin M., A & M College, College Station
St. John, James E., Gen. Del., Boulder, Colorado

CENTRAL TEXAS CHAPTER

Member Emeritus

Goldsmith, Goldwin, 4936 Bryce Ave., Fort Worth
Fellows—Austin

Brooks, R. Max, 203 Perry-Brooks Bldg.
Creer, Philip D., School of Architecture,
University of Texas

Fehr, Arthur, P. O. Box 93
Kushne, Hugo F., 200 International Life Bldg.
Southerland, Louis F., P. O. Box 855

Corporates—Austin

Allen, John Chiles, 2914 Pearl
Baldrige, Doyle M., 4005 Jefferson
Barr, Howard R., 203 Perry Brooks Bldg.
Bible, Philip L., Jr., 2501 Quarry Road
Bowman, Jon, 3500 Cherry Lane
Brush, Carlton, 4000 Lullwood Road
Coates, Paul Noyce, Jr., 2914 Pearl
Collier, Wm. M., Jr., 2500 Addison
Crow, James W., 417 W. 6th St.
Crums, Herbert C., 2603 LaRonde
Day, Fred Winfield, Jr., 2707 Wooldridge Dr.
Dornberger, Werner W., 810 E. 23rd
Driscoll, Dan J., 3416 Hillview
Cannaway, Allwyn C., 2004 Meadowbrook
George, Walter Eugene, Jr., 2410 Enfield Rd.
Granger, Charles T., P. O. Box 93
Greeven, Alton E., 2816 Hemphill Park
Griffin, Lakford O., Jr., 403 E. 15th

Gustafson, W. O., 1313 A South Congress
Happel, O. Carl, Jr., 1206 Fairwood Rd.
Jessen, H. E., 2816 Hemphill Park
Jessen, Wolf E., 2816 Hemphill Park
Jones, James Cullis, 110 West 14th
Kermacy, Martin S., 2816 Wooldridge Dr.
Landes, Robert Paul, 1013 East 38½ St.
Legge, Don Edwards, 2914 Pearl
Leipsiger-Pearce, Hugo, 1314 Wayside Dr.
Logsdon, Vail E., 2317 Monticello, Temple
Lundgren, Leonard J., 1203 West 6th St.
McAdams, Kelly R., 2407 Great Oaks Pkwy.
McMath, Hugh L., 2501 Inwood Place
Maurer, Edward J., 1203 W. 6th
Mayhall, Temple B., 1906 Raleigh
Milburn, William Wallace, Jr., 603 Jessie St.
Millhouse, Charles A., 2816 Hemphill Park
Mills, Madison Hicks, 3313 Bridle Path
Moore, Walter C., Jr., 4707 Parkcrest Drive
Nuhn, Kenneth M., 2302 Rundell Place
O'Connell, Wm. R., 504 W. Seventh
Page, C. H., Jr., 305 W. 11th
Page, George M., Box 855
Page, Louis C., Jr., Box 855
Pendley, C. M., Jr., 2410 San Antonio St.
Phillips, Henry W., Jr., P. O. Box 855
Pollard, James J., Box 696, Lexington, Va.
Probst, Victor G., 504 W. 7th
Riley, Barton D., 1211-B, W. 34th St.
Roessner, Roland G., 3414 Foothill Terrace
Rowe, Richard S., 2603 Oakdale Ct.
Rucker, William G., Jr., 818 First National Bank
Bldg., Temple
Saunders, William B., 208 E. 10th
Scott, John Linn, 3112 Manor Rd.
Shelman, Thomas, 2717 Wooldridge Dr.
Stautz, Carl Henry, 1704 Exposition Blvd.
Swallow, Richard P., 2415 Winsted Lane
Thomas, Roy L., 2812 Hemphill Park
Watson, Mrs. A. R., P. O. Box 270

THE TREND IS TO BLOCK CONSTRUCTION

and

More Architects are "Swinging"

to Featherlite Masonry

FROM

We also manufacture Hacienda Ledge-
stone in Eight Beautiful Colors for
Residential Construction.

VALLEY BUILDERS SUPPLY, INC.

1/8 Miles East State Hwy.

STERling 7-1222

PHARR, TEXAS



SYMBOL OF SECURITY SINCE 1897—Architects, Contractors and Maintenance Men have come to recognize the A. C. HORN Trade Mark as their symbol of security. Wherever it appears they know that it represents the highest product quality backed by over a half century of service and research.

Whatever you buy or specify, remember this symbol of security—and be sure with A. C. HORN.

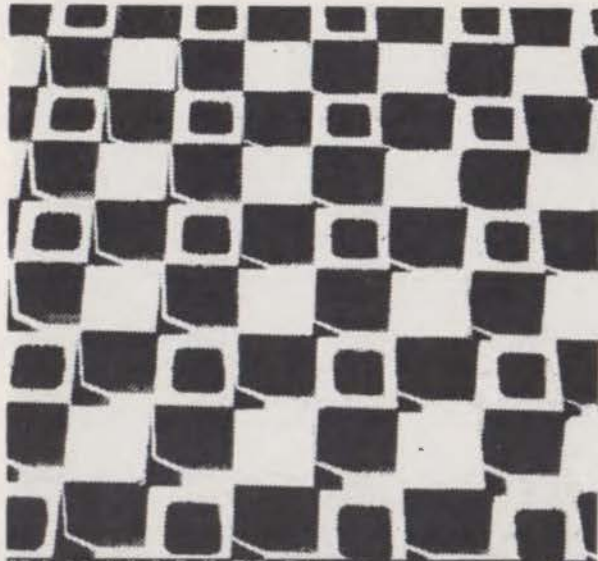
A. C. Horn Company of Texas
Subsidiaries & Divisions



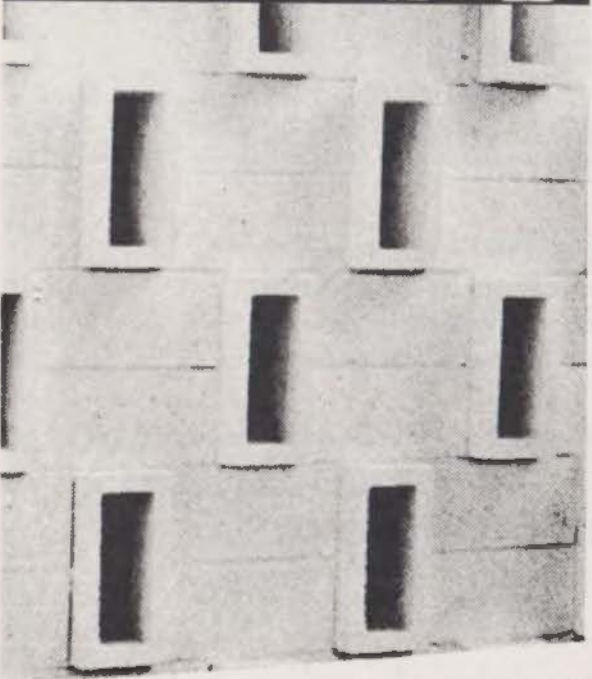
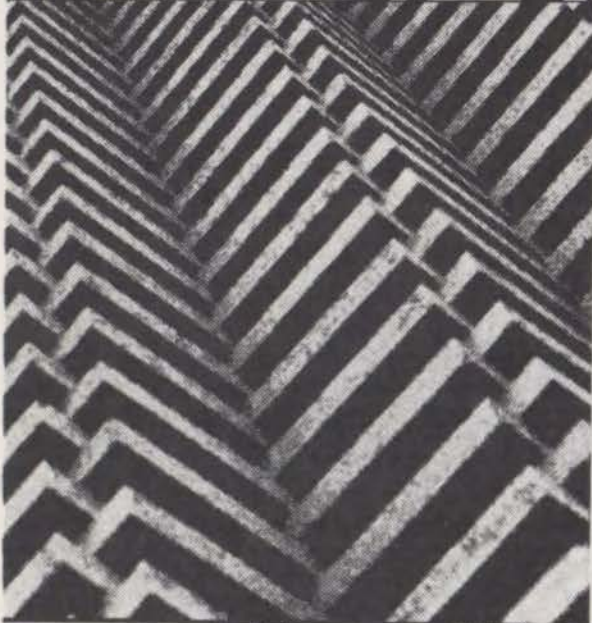
Branches in all principal cities

Sun Chemical Corporation

4323 Crites St., Houston, Texas



Masonry Solar Screens



Solarscreens, screen block, pierced walls, brise soleil, decorative masonry, or whatever title you may want to give to the new modern concept of design and use of concrete masonry is a radical departure from the normal use of concrete masonry in construction. This type of technique in design is becoming a part of the building, and to screen areas or parts of a structure.

Why design a brise soleil or screenwall, and for what are they primarily used? They are designed to screen out the sun rays and still allow free movements of air to the screened area. Screen walls are used to insure privacy as well as the addition of a decorative effect to the over-all construction. Where large glassed areas or open areas are designed in a building, the use of screen walls cause the costs of cooling or heating to be reduced substantially and the initial investment in equipment for these purposes is reduced because smaller units can be installed.

The use of basic concrete masonry units or the more expensive special units are suitable and practical in today's construction. In fact, any building material which is not tied to a conventional type of architecture can use decorative or basic units as a part or all of the facade. Because these units successfully perform many functions, they provide an easy-to-use material, and greater construction economies are realized.

SCREEN WALLS NOT NEW

Screen walls or solar screens are not a new innovation in our present day contemporary building materials: The Egyptians used screen walls, and in the 1800's screen walls of stone, sun baked mud, etc. were used in the desert areas. In early days before air conditioning, the primary purpose of screen walls were to shade or screen out the sun and still get a breeze to the area as well as maintain privacy.

In the 1920's and 1930's the French architect, Le Corbusier, brought into being man's relationship with the cosmic elements. They concern number, the calendar, the sun, its light, shade and heat. It was his feeling that this relationship controlled architecture and town planning. He made great use of these factors in his design of solarscreen and buildings. Today's screen walls utilize walls designed using individual units, whereas in early usage of solarscreens, they were built up by hand and were much larger units.

... add comfort for living

Screen walls or solarscreens today are not only used for economy, but to add a decorative effect in architectural designing in today's construction.

FLEXIBILITY IN DESIGN

The architect, because of the great number of shapes and sizes that are available, can impart flexibility into a design for solar-screen, screen walls or decorative walls. If the structure is of a great size, the architect may want to design a special unit for that one particular building. Besides complimenting the building, screen walls must support their own weight, or they must be supported to resist lateral movements created by wind and the movement of the structure itself. The standard practice is to use basic units, or design and manufacture units which conform to a 4-inch module. If the design is based on other than this module, consideration must be given to proper joint allowance, shrinkage, and expansion allowances.

AVAILABILITY OF UNITS

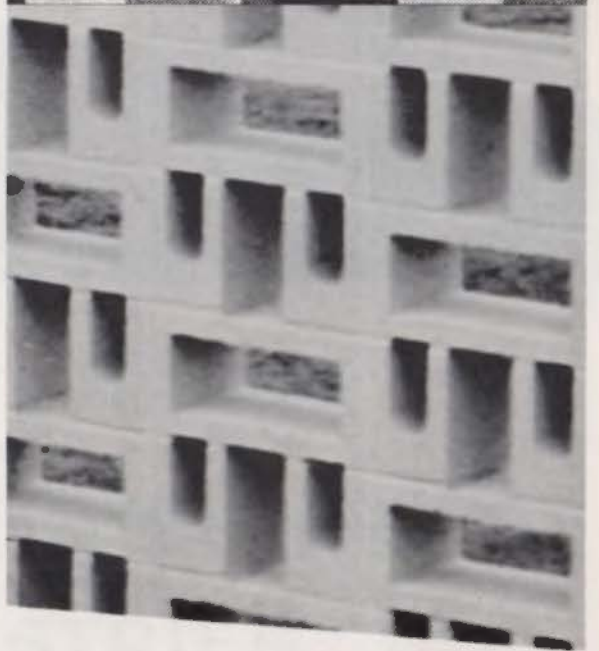
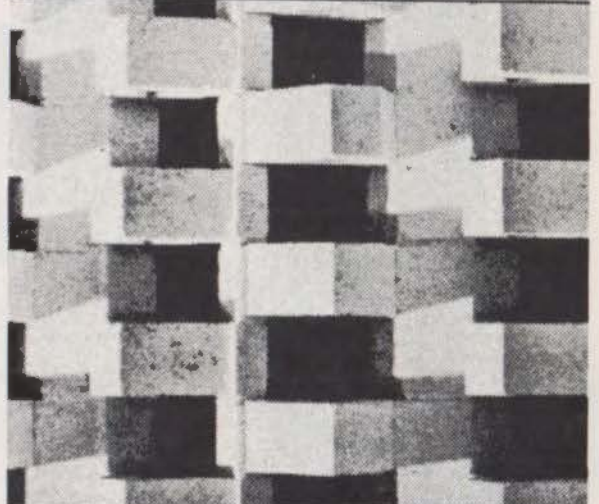
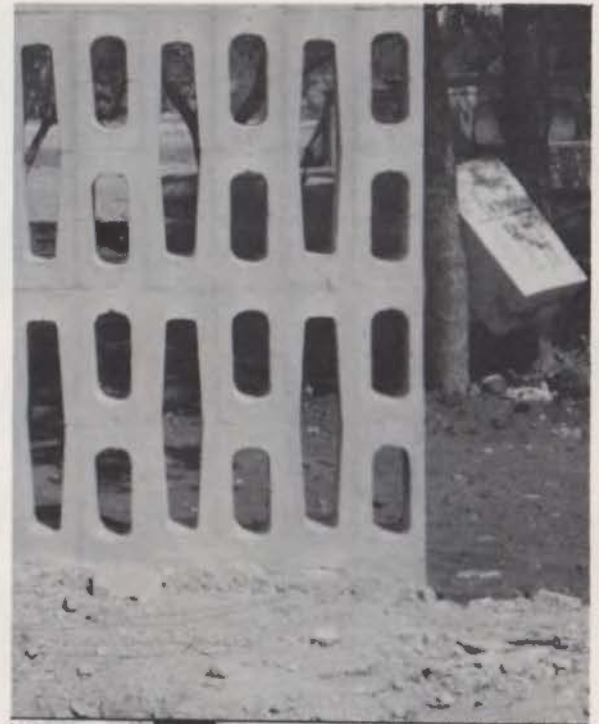
The manufacturers of concrete masonry in Texas manufacture hundreds of basic units and these units are available anywhere in Texas. The imaginative Architect, through the cooperation of the manufacturer, is able to design decorative or screen walls of basic units that are available in any area. There are many special decorative units available in Texas, but, available only from producers in certain areas, and the TCMA office can assist the architect in locating these special units.

WEATHERPROOFING SCREEN UNITS

It is advisable to weatherproof screen units. Several methods have been used. These include pigmented protective paints, cement slurry coat, silicones, or other waterproofing agents. Edges and tops of walls should be protected from moisture penetration by suitable flashing or coping.

SOLARSCREEN USES

Solarscreens or screen walls of concrete masonry are designed to screen windows or other areas from the direct rays of the sun. In addition to reducing sun's glare, they substantially reduce air-conditioning costs, act or function as sound barriers by intercepting and minimizing outside noises, make attractive facades for all type of commercial buildings, and serve as safety screens in apartment building terraces.





"BUILD IT RIGHT WITH *Featherlite*"



TEXAS
ARCHITECTS
CHOOSE

Featherlite

CONCRETE
MASONRY

TEXAS CONCRETE BLOCK CO.

• ABILENE • MIDLAND • LUBBOCK

FEATHERLITE BLOCK CO.

SAN ANTONIO, TEXAS

ACME INDUSTRIES

IRVING, TEXAS



White, James Roy, 203 Perry Brooks Bldg.
 White, Robert L., Office of Supvr. Architect,
 University of Texas
 Wukasch, Joe Eugene, P. O. Box 7788, Univ. Station
 Zapalac, George Henry, 403 E. 15th
 Associates
 Chamlee, William Post, 802 First Natl. Bank Bldg.,
 Temple
 Dieter, Fred W., 1907 Arthur Lane
 Eppes, Bill Gorton, 2503 Aztec Dr.
 Gannaway, Herbert S., Office of Supvr. Architect,
 University of Texas
 Harrill, Paul Eugene, Jr., 805 W. 16th
 Kuykendall, James M., 2007 Melridge Place
 Pressler, Paul, 2520 Spring Lane
 Youngblood, Robert L., 1206 Loma Drive
 TSA Member
 Johnson, James E., 100 North Crockett, Cameron
 Honorary Members
 Goeth, Ralph, 200 Colorado
 Gubbels, Jac L., 2515 Wooldridge

COASTAL BEND CHAPTER

Member Emeritus
 Johnson, Otis F., 141 Naples St., Corpus Christi
 Corporate Members—Corpus Christi
 Anderson, Walter H., 3226 Reid Drive
 Beasley, Robert J., P. O. Box 848, 206 East Houston,
 Beeville
 Blanton, Paul Thompson, 3154 Reid Dr.
 Brock, Victor, 210 Jones Building
 Donnelly, C. P., 2220 Morgan
 Gibson, James Phillip, Box 3087
 Hamon, E. Dexter, 2021 - 16th St.
 Hans, Joseph A., Jr., 1317 Third
 Hardy, Nat W., Box 6277
 Mabrey, Leslie Bruce, 4918 Mable St.
 Machlan, Jim Walker, 4209 Nottingham
 Martin, Daniel Webster, 1101 S. Brownlee
 McCord, H. B., 1220 S. Staples
 Meyers, Irwin Don, 541 South Water
 Miller, Boyd Kinghay, 224 Mullen Bldg.
 Pennington, Sam Allen, Jr., 4330 Aspen
 Skellett, Benj. N., 206 Norton
 Smith, Vernon, Jones Building
 Smyth, Joe G., Jr., Gulf Security Bldg.
 Smyth, Needham B., Gulf Security Bldg.
 Tanner, Carroll V., 3340 Floyd St.
 Turner, Jack Rice, 4818 Concord
 Whitet, William, 3735 Aransas
 Wilde, Walter Ernest, 1733 S. Brownlee
 Wisznia, Walter, 3154 Reid Dr.
 Associate Members
 Atmar, Richard S., 838 Adel
 Bennett, Ralph, Jr., 4418 Kirkwood Dr.
 Greene, Donald, 541 S. Water St.
 Jones, Delbert, 224 Mullen Bldg., Alice
 Martin, John Oliver, 1405 Ray Drive
 Oatman, John B., Smyth & Smyth, 4226 Lexington
 Ave.
 Olson, John Minter, 1041 Cunningham
 Roberts, E. E., 353 Claremore
 Winston, Lloyd, 3236 Reid Drive

DALLAS CHAPTER

Honorary Members
 Bywaters, Jerry, Dallas Museum Fine Arts
 Houston, L. B., City Hall, 6466 Liano—(Residence)
 Marcus, Stanley, Neiman-Marcus
 Rodgers, J. Woodall, Republic National Bank Bldg.
 Springer, Marvin, 2015 Commerce, Rm. 404
 Swindle, D. D., 212 East Eight
 Thornton, Mayor R. L., Mercantile National Bk.
 Members Emeriti
 Kleuser, M. C., 318 Cadiz
 Porter, I. D., 6910 Robin Road
 Thomson, Henry B., 4320 Larchmont
 Williams, David R., 324 N. Sterling St., Lafayette,
 La.
 Woerner, F. J., 1008 Stonewall
 Fellows
 Bennett, J. Murrell, 2814 Fairmount
 Broad, Thomas D., Mercantile Dallas Bldg., 1807
 Commerce
 Bryan, Ralph, U. S. Public Health Service, 1114
 Commerce St.
 Dahl, George L., 2101 N. St. Paul
 DeWitt, Roscoe P., 2025 Cedar Springs Ave.
 Meyer, Howard R., 2909 Fairmount
 Nelson, Donald S., Mercantile Dallas Bldg. 1807
 Commerce
 Tatum, Herbert M., 2812 Fairmount
 Thomas, Arthur E., 820 N. Harwood
 Corporates
 Adam, Jay H., 702 Exchange Bnk. Bldg.
 Adams, Moffatt D., 701 Exchange Bnk. Bldg.
 Ahlschlager, P. O. Box 6745
 Alexander, George, 710 Thomas Bldg.
 Anderson, Jacob Edward, 610 Thomas Bldg.
 Barrow, David Brown, 3603 Lemmon Ave.
 Benson, William E., 5738 N. Central Expressway
 Berry, Harold A., 14th Floor, Harford Bldg.
 Biederman, Sam, 1220 National Building
 Boatwright, Cecil Miller, Jr., 1948 Kessler Parkway
 Parkway
 Box, John Harold, 3520 Routh
 Braden, David R., 200 W. Colorado
 Brooks, La Vere, 4310 E. Westside Dr.
 Brown, John, 424 N. Rusk, Sherman
 Brown, Stanley, 4012 Cedar Springs Rd.
 Buford, Frederic S., 326 Interurban Bldg.
 Borges, William Ferdinand Callejo,
 1613 Pat Drive
 Canaan, Gershon, Simons Bldg.
 Carsey, Jon D., 3106-A Fairmount
 Cavit, L. C., Jr., 701 Vaughn Bldg.
 Chapman, Jay L., 424 N. Rusk
 Cheek, James B., 1901 1/2 N. Harwood
 Christensen, George E., 4340 N. Central Expressway
 Clutts, James A., 1321 Mercantile Bnk. Bldg.
 Collins, G. Mallory, 2921 Fairmount
 Cooper, Peyton G., 706 Gibraltar Life Bldg.
 Corgan, Jack M., 308 Tower Petroleum Bldg.
 Craycroft, Jack, 3400 University Blvd., Suite 205
 Crittenden, Norman W., 2914 Fairmount
 Crown, Phillip T., 323 E. Jefferson
 Danna, John B., 2902 Routh
 Davis, Edward C., Mercantile Dallas Bldg.,
 1807 Commerce
 Dean, Thomas Scott, 3606 Bonnie Rd., Austin
 Decker, Howard G., Jr., 5008 Greenville Ave.
 DeFoude, Ardery Y., 3211 Southland Center
 Dryden, Horace Ewing, Jr., 2921 Fairmount
 Edwards, George W., 1509-A Cochran
 Erwin, John Bruce, 4509 Cole Ave.
 Falls, Miles Edward, 4519 Normandy, Apt. 4
 Feinberg, Raymond S., 6617 Snider Plaza
 Fisher, J. Herschel, 2623 N. Haskell
 Foster, Dales Young, 12528 Coventry Rd.
 Freebrug, Charles Robert, 2533 McKinney
 Gamble, Eugene B., 434 Exchange Bnk. Bldg.
 Gideon, Howard W., 13616 Preston Rd.
 Gill, Grayson, 1913 San Jacinto
 Goodwin, Robert D., 701 Vaughn Bldg.
 Gordon, Joseph F., 300 Blackburn
 Gragan, Douglas R., 1241 East Irving Blvd.
 Griffin, Joseph A., 4601 Hillcrest Ave.
 Hamilton, Earle Grady, Jr., 819 Republic Bnk. Bldg.
 Hardison, Fred L., 2025 Cedar Springs
 Harper, Terrell R., 7140 Thomas Building
 Harrell, George F., 819 Republic Bnk. Bldg.

Harris, Harwell H., 3603 Lemmon Ave.
 Hidell, William H., Jr., 3010 Blackburn
 Hill, Bertram C., 5520 Live Oak
 Jarvis, Donald Edward, 2623 N. Haskell
 Jones, Harold W., 200 W. Colorado
 Joseph, Will C., White Plaza Hotel
 Kamp, Harris A., 710 Thomas Bldg.
 Lane, Clifford J., 434 Exchange Bnk Bldg.
 Leinbach, Charles H., 723 E. Ninth
 Leinbach, Jesse Leo, 723 E. Ninth
 Lightfoot, Will H., 10 First St., N.E., Paris
 MacCammon, James N., 112 Meadows Bldg.
 Mayes, Donald Lee, 505 1/2 Main St., Denison
 McClure, Wilson, 3906 Lemmon, Dallas 19
 McGill, George Campbell, 112 Meadows Bldg.
 Merrill, W. Ralph, 820 N. Harwood
 Miller, Mark Edwin, Jr., 1621 Faircourt, Irving
 Miller, Tom Polk, 711 W. Sycamore, Denton
 Mills, Joseph M., 8215 Westchester Dr.
 Minor, Charles Carter, 2133 McKinney Ave.
 Morey, Arthur W., Jr., 311 S. Akard
 Morgan, George W., 1804 Ridgecliff, Columbus,
 Ohio
 Morgan, Jack Hubert, 112 Meadows Bldg.
 Moss, Leland Mark, 6615 Starling Circle
 Newbury, Alvin Lee, 13718 Ashbridge
 Oglesby, Enslie Orsen, Jr., 2906 North Fitzhugh
 Parkins, John A., 2203 1/2 Cedar Springs
 Parry, Robert J., 4310 G. Westside
 Phillips, Glenn Harrison, 2902 Anzio Dr.
 Phinney, Temple, 2512 Cedar Springs Dr.
 Pierce, A. H., 2700 Routh
 Pierce, John Allen, 5900 Revere Place
 Pratt, James Reece, 3520 Routh
 Prinz, Harold, 4310 E. Westside Dr.
 Reed, William D., Jr., 530 Merc. Sec. Bldg.
 Rich, Joe Lynn, 2727 Cedar Springs
 Richter, Will S., 3704 Abrams Rd.
 Rooth, Carl H., 1200 N. Alma Rd., Richardson
 Russ, Thomas A., 2151 Ft. Worth Ave.
 Sandfield, Max M., 3722 Bowser
 San Miguel, Rudolph R., 506 Southland Center
 Smith, E. Carlyle, P. O. Box 1288, Grand Prairie
 Smith, Harwood Knox, 506 Southland Center
 Smith, James Wadsworth, 2151 Ft. Worth Ave.
 Smith, Joseph Earl, 111, 3016 Fairmount
 Smith, Vernon S., 2151 Ft. Worth Ave.
 Spillman, Pat Y., 311 S. Akard
 Steuber, Theodore H., 6020 Cedar Springs
 Swank, A. B., Jr., 3415 Cedar Springs
 Tatum, A. J., 2025 Cedar Springs
 Terrazas, Nick, 5901 Goodwin St.
 Thompson, John Rowland, 200 W. Colorado
 Todd, John Stuart, 122 South Shore
 Urban, Stanley Gregory, 1003 Texas and
 Pacific Building
 Vaughn, Harold, 308 S. Akard—Room 803
 Wassell, John W., 1327 Mercantile Dallas Bldg.
 Westfall, Delbert C., 820 N. Harwood
 White, Latham, 425 S. Field St.
 White, Robert D., Jr., 212 Thomas Bldg.
 Willifon, Edward L., 4509 Cole Ave.

L. R. WARD STEEL PRODUCTS CO.

SALES • ENGINEERING • STOCKING

- ★ UNISTRUT METAL FRAMING—MATERIALS
- ★ UNISTRUT SYSTEM—MOVABLE PARTITIONS
- ★ HENGES—MOV-A-WALL PARTITIONS
- ★ GRIP-STRUT—SAFETY GRATING
- ★ GOLD NUGGET—WELDED BAR GRATING
- ★ ACOUSTIC STRUCTURES—INCLUDING TELEPHONE BOOTHS
- ★ MOVABLE VAUGHAN WALLS
- ★ KEE-KLAMP—SYSTEM OF TUBULAR CONSTRUCTION

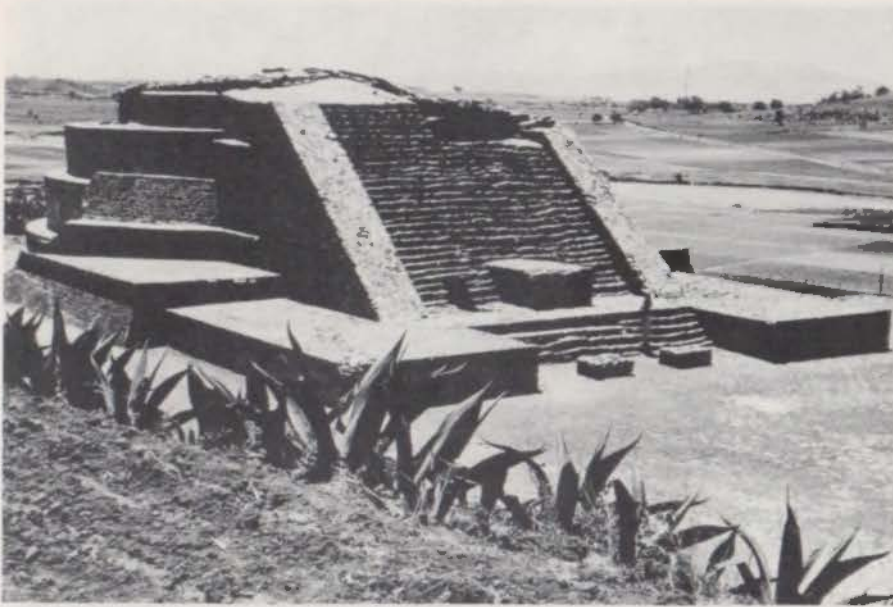
DALLAS	WRITE	HOUSTON
3009 Canton	FOR	CA 5-0356
RI 1-9004	CATALOGS	3605 Polk



A.H.C.

The emblem of the man who can solve your architectural hardware problems.

**American Society of
Architectural Hardware
Consultants
Lone Star Chapter**



Calixtlahuaca. One of the rare round pyramids, dedicated to Quetzalcoatl in his role as god of the winds.



Tenayuca. (right). The best remaining example of the Aztec pyramid type.

Xocbicalco. (right). The restored pyramid with the lower walls of the temple that originally occupied the top.





concrete masonry

now broadens your home design opportunities!

Across the country, homes of fresh interest evidence the special character and charm that can be created with today's new forms of concrete masonry.

The array of modern masonry units in concrete stimulate the imaginative designer. New styles, sizes and shapes, new textures and colors! Individually and in combination, they provide an almost limitless fund for personal expression of wall treatments, both exterior and interior . . . even within the traditional styles of architecture.

Acceptance grows for concrete masonry . . . with buyers, with financiers of quality homes. This is truly *living concrete* for it matches people's mood for modern, gracious living. Write for free copy: *Gracious Homes of Living Concrete*. (U.S. and Canada only.)

PORTLAND CEMENT ASSOCIATION

110 East Eighth St., Austin 1, Texas

A national organization to improve and extend the uses of concrete



Scores of styles! *New-type living concrete* in just a few of the shapes, sizes, textures and colors now available.



Featherlite's New Ranger Plant is Biggest

As is customary in Texas, another biggest is credited to the Lone Star State by Featherlite's recent addition to its plant at Ranger, Texas.

Two large 150 foot long by 10 foot in diameter rotary kilns were installed. This addition doubled the existing capacity of the largest producing plant in Texas and made it the largest capacity plant known to produce expanded shale aggregate.

These large kilns have already proven a wise investment in improving quality of the aggregate. The raw shale is heated over a longer period, rolls and tumbles longer in the high heat zone, forming a coat that seals the outer surface and expanding to a lighter material. Laboratory and field research is being carried on at the present time, and when completed, new reliable literature will be released to Architects and Engineers. Preliminary results indicate a material

more in line with natural sand and stone in behavior.

The Featherlite Corporation's other expanded shale plant serving the South, Coast, and Valley areas of Texas is located at Converse, Texas. New ideas and improvements are being developed here, also.

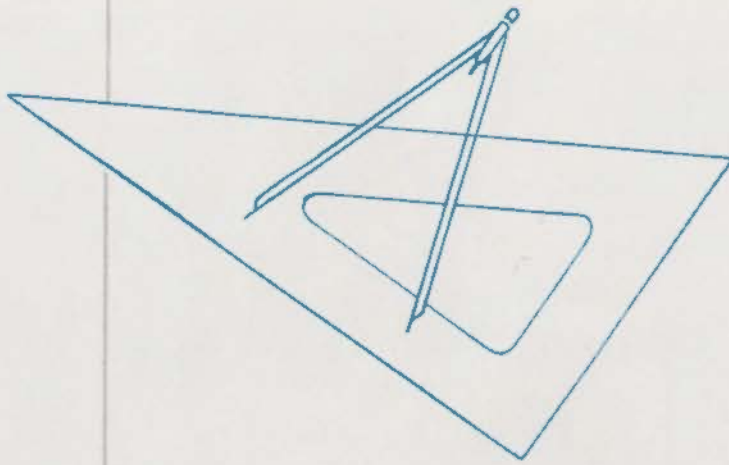
Modern architecture has been ever alert to improvements in concrete and concrete products, and Featherlite, in keeping pace, has become the leading supplier of lightweight aggregate used for concrete masonry, precast concrete, prestress precast concrete, and ready mixed concrete.

Aggregates from both Ranger and Converse are used in various designs in concretes ranging from 55 lbs. to 110 lbs. per cubic foot and from 300 psi to 5000 psa and greater strengths. These concretes have a multitude of uses such as insulating roof fill, sound insulating fill, and

high modulus, low shrinking, low creek structural concrete.

New uses for the loose aggregate are: (1) built up roofs as surface material, valuable for added insulation, lightness and distinctive coloring, (2) loose fill for architectural landscaping, where color and moisture retention are desirable, (3) loose fill in masonry walls, filling the cores, increasing insulation and fire resistance.

Ranger, Texas, the site of the new plant, is located on Highway 80 between Abilene and Fort Worth. Visitors of the construction industry are welcome. Architects on the way to or from the convention are urged to drop in and see the greatest improvement in the manufacture of lightweight aggregate since the installation of the first rotary kilns to make lightweight aggregate by the Featherlite Corporation, Texas' oldest and largest producer of quality lightweight aggregate.



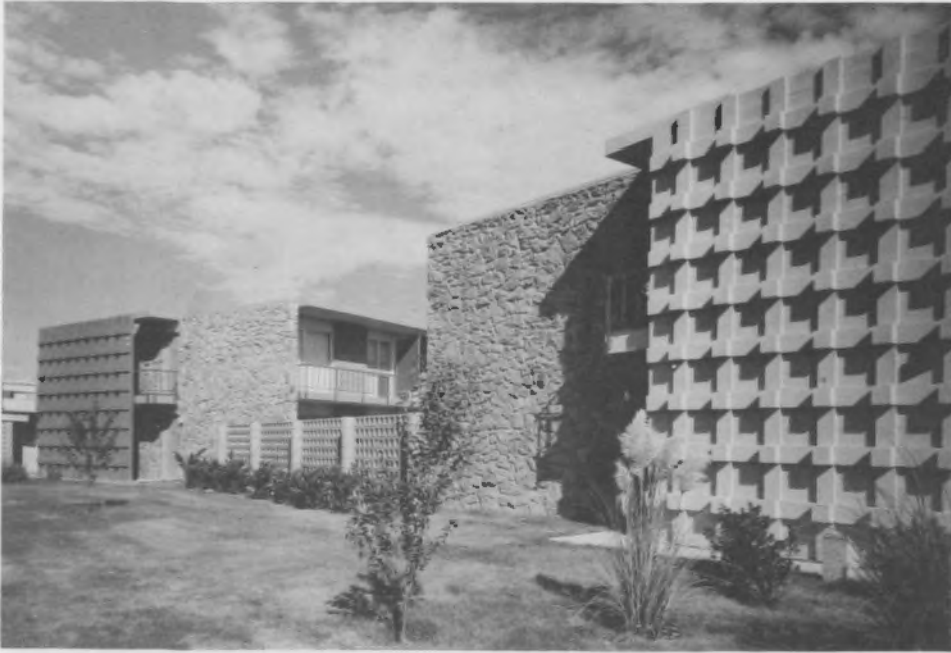
JEWELL

CONCRETE PRODUCTS, INC.

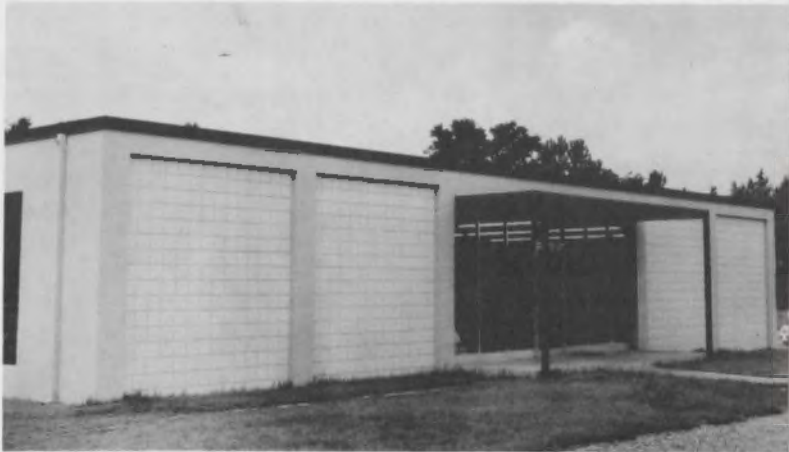
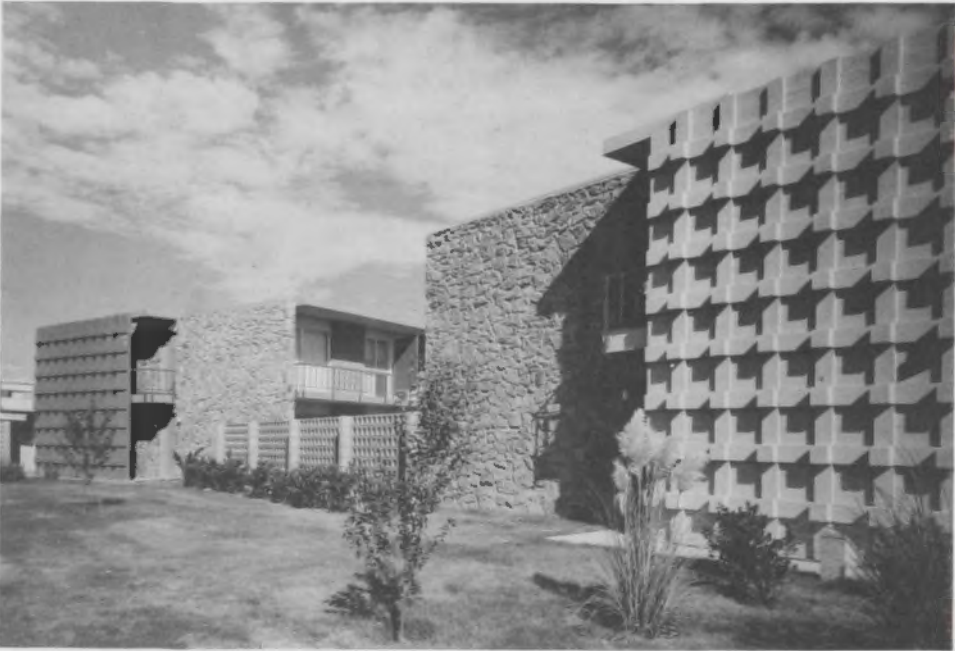
WACO



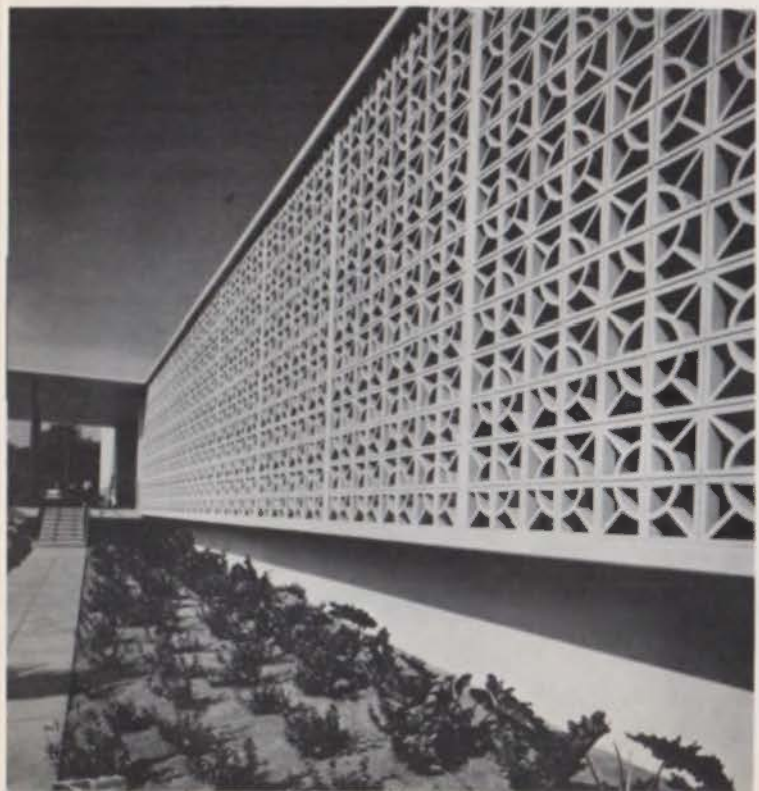
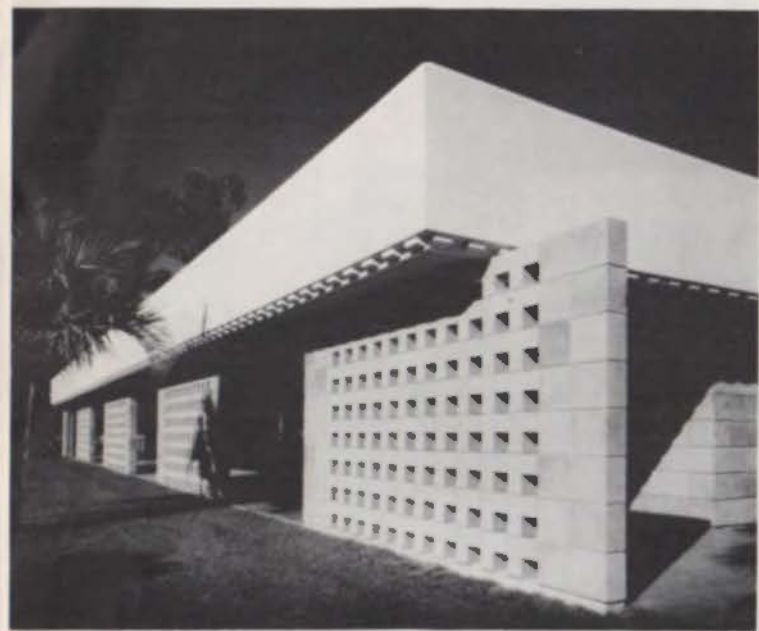
Buildings of Concrete Masonry —



Buildings of Concrete Masonry —



Things You Can Do
With Concrete Masonry*



*Block beauty with dramatic appeal
for - REST, COMFORT and SAFETY*

*Photos By: JULIUS SHULMAN, furnished
by Marketing & Promotion (MP)

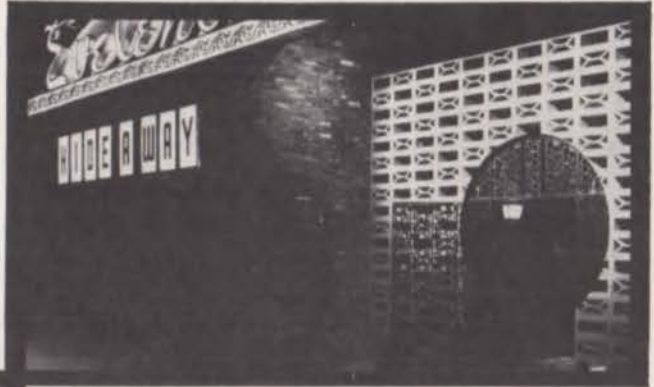


DESIGNING
ALMOST ANYTHING
THERE'S A CROWE-GULDE
PRODUCT FOR THE JOB



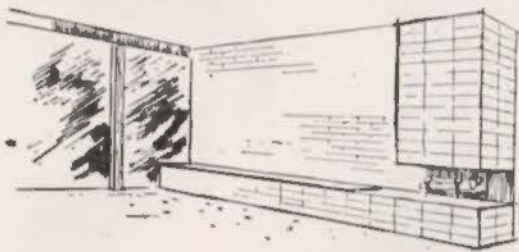
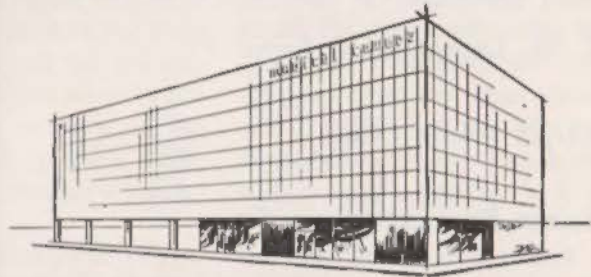
Structural Lightweight Concrete, Multi-Story
Vaughn Office Building, Amarillo, Texas

Decorative Block Entrance
Eveleno's Hideaway, Amarillo, Texas



Single Tee Prestressed Unit,
Student Center, West Texas State College, Canyon, Texas

Multi-Story Prestressed Concrete
Medical Building with Ceco Window-Wall Units, Amarillo, Texas



Color-Crest Stone
Modern Design in a Fireplace



Complete Block Building
Wagner's Jewelry, Amarillo, Texas

SINCE 1926
Crowe-Gulde CEMENT COMPANY

99 N. Tyler

P.O. Box 9026 • DR 3/4206 • Amarillo, Texas

ALSO IN CANYON AND HEREFORD

A Dependable
MASONRY CONTRACTOR
To Serve You

W. W. Bartlett, Inc.

Charles C. Danna & Son

Hoggatt Masonry Construction Co.

Masonry Contractor, Inc.

Herman L. May & Co., Inc.

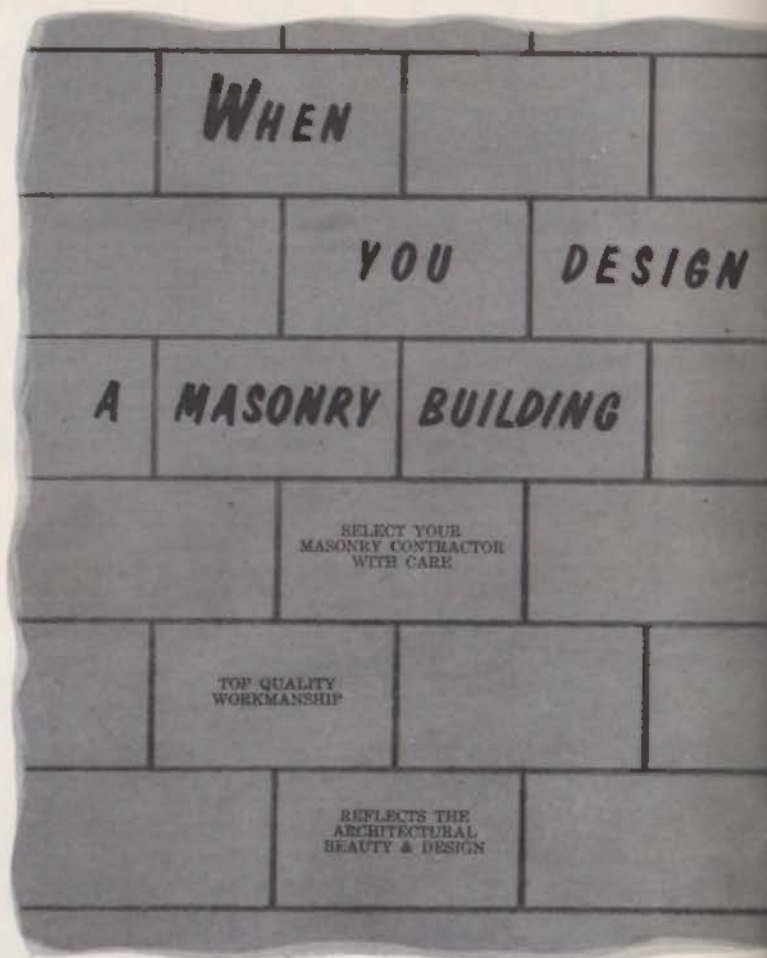
J. W. Leavesley & Sons

Virgil Vernon Co.

Reese Bros. Masonry Co.

Buddy Masonry Co.

A. J. Landry



Call a Member of the

**ASSOCIATED MASONRY CONTRACTORS
OF HOUSTON**

for INFORMATION or COST ESTIMATES



**ASSOCIATED MASONRY CONTRACTORS
OF HOUSTON**

Members of Mason Contractors Association of America

T.C.M.A. Members Offer Quality Products

**Monthly Test Reports Submitted
By Member Plants Insure Highest
Grade of Product For Customers**

The Texas Concrete Masonry Association, through its member plants, has established quality criteria for users of the product in Texas. In order to assure the architect, contractor, builder and buyer that they are getting the best product for their money, the members of the association have adopted a plan whereby the association is kept current on the quality of concrete masonry being manufactured by association member plants.

This past year, members of TCMA adopted the plan requiring all member plants to submit monthly test reports on their products. These tests are made by a commercial testing laboratory with samples selected at random from the manufacturer's yard stock by a representative of the commercial laboratory. A copy of each monthly test report is forwarded to the TCMA office in Austin. The test report results must reflect that the units tested meet the prescribed American Society for Testing Materials requirements for Grade A or Grade B concrete masonry.

Quality Materials Available From TCMA Members

When products are furnished on the job by members of TCMA, the user knows that he is getting a quality product. In the beginning in the manufacturing of concrete masonry units, the manufacturer was not as concerned with the quality of units he manufactured; he was more interested in the sale of his product.

Today, concrete masonry has taken its place as one of the leading building materials. Today's manufacturer uses scientifically-engineered and designed mixes and precise or exact methods of controlling them constantly. In fact, much of the modern, specialized machinery will not operate properly unless these controls are acting and in balance. The concrete masonry unit manufactured in Texas is a precision unit; it is a molded unit, and the many shapes and sizes manufactured tend to reduce cutting on the job.

The architect, in designing a modular structure using concrete masonry, is able to reduce the initial cost of construction.

After World War II concrete masonry production was limited in Texas due to the vast number of backyard plants, poor product, very little, if any, knowledge in the use of the product, and the limitations on the variety of units manufactured. Today there are hundreds of shapes and sizes of precision, quality controlled concrete masonry units available in any section of Texas. In the last two or three years, the decorative or special unit has made its appearance, and has contributed greatly in the extended use of concrete masonry in Texas.

The architect has been responsible, mainly, in the greater use of concrete masonry as he has seen the advantages block has over most other building materials. The fact that light-

weight expanded shale aggregate is used in concrete masonry in Texas is also a factor.

Lightweight Aggregate Results In A Much Better Unit

Lightweight concrete masonry is a very versatile type of building product, and it has developed right along with the aggregate industry in Texas. Lightweight aggregate, as used in Texas today, is a result of research which proved that certain clays, when run through rotary kilns similar to cement kilns, would expand in a manner comparable to popcorn popping. This expanded shale or clay would also make an excellent lightweight aggregate. Because the lightweight aggregate concrete masonry unit is superior to the heavyweight aggregate unit, very few heavyweight aggregate units are manufactured in Texas today.

Manufacturers, architects, and users of concrete masonry found that high insulation qualities resulted from the porosity of their units. These "built-in" insulation qualities meant that the block could be used in "through-wall" or "single-wall" construction without danger of condensation.

Concrete Masonry Used In All Types of Construction

It is now common to use properly-made lightweight aggregate concrete block in single wall construction; waterproofing the outside and painting the inside, which results in one of the finest walls obtainable. Such a wall provides marvelous acoustical effects, high insulation properties,

maximum protection from the climate and weather; and it is high in composite strength without "furring-out" on the inside and without stuccoing or veneering on the outside.

No product, of course, is used in the same manner by everyone. Many people prefer "double-wall" or "cavity-wall" construction. They have found that using a properly-made lightweight aggregate block as a "back-up" material and in their partition walls brings them benefits in economy, acoustics, insulation, nailability, structural strength, speed of erection, simplicity of plastering and in many other ways.

The industry's growth to full-fledged maturity and recognition for production of a high quality product has resulted from its far-sighted use of all available research aids and the establishment of its own policing force to insure the user against dissatisfaction, the lender against poor investment, the individual manufacturer against improper practices, and to promote the general welfare of the industry.

Aims and Purposes of the Texas Concrete Masonry Association

The Texas Concrete Masonry Association is the recognized spokesman for the industry in Texas. The association stands ready to help architects and engineers in design and planning which involves the use of concrete masonry. The association

office is located in Room 614, Brown Building, 8th and Colorado Streets, Austin, Texas.

TCMA is a non-profit organization of concrete masonry producers formed for the purpose of:

1. Maintaining and improving the standards of quality within the industry.
2. Promoting the knowledge of and the use of concrete masonry in Texas.
3. Serving as a clearing house for technical information and data regarding concrete masonry between manufacturers, public officials, engineers, architects, contractors and builders.

The association maintains a comprehensive library and extensive technical material pertaining to concrete masonry. The answering of questions pertaining in any way to the use of concrete masonry is the main purpose and aim of the Texas Concrete Masonry Association, its membership and staff.

Architects, engineers, contractors, and builders are urged to contact the Texas Concrete Masonry Association on any questions or problems involving concrete masonry. There are many publications available, such as The Concrete Masonry Information Manual, and Concrete Masonry Specifications for Use in Texas, which will be sent to individuals concerned upon request.

SERVING

The Victoria Area

QUALITY

Concrete Masonry
Products
and
Supplies

Victoria Concrete Products

3408 E. Red River

Jack Hertberger

HI 5-3801

YOU'RE INVITED
to see our product display

BOOTH NO. 53

21st Annual Convention
Texas Society of Architects

UNIT STRUCTURES, INC.

Latest manuals and brochures
featuring glued laminated arches,
beams and trusses, Unit Deck
and Clear Panel

Representing **UNIT STRUCTURES, INC.**

EL PASO — Booker Building Products
1817 Magoffin Avenue
KE 2-1653

DALLAS — Unit Structures, Inc.
4515 Prentice Street
Emerson 1-5433

HOUSTON — Unit Structures, Inc.
7449 Park Place
Mission 4-0725

Wiltshire, John P., 2030 N. Henderson
 Wittchell, Charles B., 2214 Cedar Springs
 Wright, Ernest, Jr., 2727 Cedar Springs
 Yoakum, Hal O., 3433 Southwestern Blvd.
 Young, David Arnold, Suite 224, Wynnewood Professional Bldg.

Associates

Aguirre, Pedro, Jr., 4447 N. Central Expressway
 Anderson, Aubrey D., 13022 Copenhill Rd.
 Bair, Royden S., 3540 Milton
 Beran, Ed E., 1900 Vaughn Building
 Brandt, Jack T., 434 Exchange Bk. Bldg.
 100 Exchange Park North
 Crook, Edwin T., 3900 Ponce de Leon Blvd., Coral Gables, Fla.
 Dabney, Louis, 4447 N. Central Expressway
 Davis, Tie D., 4206 Hawthorne, Apt. K
 Elkins, Harvey E., 2662 Roger Williams, Irving
 Forrest, James H., 606 Westwood Dr., Richardson
 Gill, G. Douglas, 4621 Edmondson
 Goeldner, Paul, 3208 Kings Rd.
 Hall, Warren H., 3540 Rosedale
 Harris, Robert S., 4425 Pomona Rd.
 Hewitt, Chester H., 2704 Westminster
 Huddleston, Norman Harper, 4592 Belfort
 Jahn, Edward Currie, 7811 Cole Brook
 Jones, G. Theodore, 4918 Hall
 Kerr, Edward L., 1143 Brunner
 Kleinschmidt, Donald, 2268 Springhill
 Knowles, Thomas G., 2331 Gus Thomason Rd.
 Kuhlmann, Joseph J., 1827 Fuller
 Lacy, David L., 3716 Shenandoah
 Lemmon, George L., 3211 Southland Center
 Malone, Gary Rodger, 2206 Ridgeway, Arlington
 Martinsons, Hermanis, 4515 Prentice
 Matthias, Harry Ernest, 11008 Cactus Lane
 McFadyen, Robert W., 9731 Ash Creek Drive
 McGrew, William E., 7828 Idlewood
 Melun, Norman Clement, 4330 Ridge Dr.
 Morton, Marion D., Jr., 634 Newberry Dr., Richardson

Palm, Thomas J., Jr., 7203 Inwood Rd.
 Palmer, Fred Niles, Jr., 703 Nesbitt
 Plugge, Roman C., 10231 Longmeadow Dr.
 Roberts, James H., 615 Brookhurst
 Russell, James A., 4616 Southern
 Shelmire, Overton, 1900 Vaughn Bldg.
 Sherrill, Wm. Gordon, 7502 Wentwood
 Sibbeck, Gordon, 6444 Lupton Dr.
 Skipper, Carlton, 7455 Carpenter Expressway
 Smith, David W., Jr., 3202 Kellogg
 Smith, Stanley S., 6225 Bordeaux, Apt. 205
 Stenson, Robert, 2515 Melbourne Ave.
 Summey, Orville M., 1915 Myrtlewood Dr.
 Surtes Edward Russell, Jr., 8805 Rolling Rock Lane
 Teipel, Albert, 1727 Ramsey Ave.
 Thomas, Downing A., 3521 Dickason Ave.
 Tucker, Oliver T., 1714 Winthrop, Irving
 Upshaw, Forrest, Jr., 509 Hoel St.
 Wiley, James E., 4808 Drexel

Junior Associates

Boerder, Eugene F., 3506 Royal Lane
 Cinatt, Frank James, 403 Bon Aire Dr.
 Cooper, James F., 3752 Matador Dr.
 Davies, Robert E., 2817 Woodmere
 Edney, Edward P., Jr., 10818 Cassandra Way
 Floyd, James W., 4302 W. Lovers Lane
 Glosser, Estabrook, Jr., 503 Highland, Richardson
 Gray, James Phillip, 242 Pleasant View, Battle Creek, Mich.
 Heath, Jerry, 5014 Airline Rd.
 Hinman, Jack, 2640 Garland Rd., Garland
 Holden, Eugene Patrick, 2307-C Nicholson Dr.
 Jones, James T., Rt. 8, Box 81
 Jones, Robert Howard, Jr., 1723 Thale Dr.
 Marinick, Otto A., 7103 Shook
 Milburn, Joe W., 9206 Highridge Dr.
 Miranda, R. V., 833 Valley View Dr., Grand Prairie
 Monroe, Harold Willis, 2833 Lee St.
 Moss, John C., 2511 Springvale
 Parker, Howard C., 4402 Emerson Ave.
 Richey, J. Harvey, 4528 Gilbert

Rutherford, Gene Rankin, 3715 Durango
 Schumann, Al, 7838 Northaven Dr.
 Selzer, Dale E., 3201 Turtle Creek
 Sentall, Gordon Douglas, 8546 Stillwater Dr.
 Steton, Clifford, 1106 Pentagon
 Hoya, Herbert Austin Yonder, 935 Lousanne
 Walden, James C., 3306 Hudnall, Apt. C
 Warder, Marshall H., Box 1288, Grand Prairie
 Waslin, Carl Robert, 1007 Hoke Smith Dr.
 Watson, R. Mickey, 3714 W. Cranston Ct., Irving
 Winstead, James Richard, 3503 Dickason
 Woodward, Thomas, 5426 Stoneleigh
 Worrell, Gerald, II, 5630 Mercedes
TSA Members
 Alexander, Robert E., Jr., 3704 Abrams Rd.
 Metcalfe, James E., Jr., 1107 W. Fifth Ave.
 Reed, Wm. D., Jr., 220 Merc. Sec. Bldg.

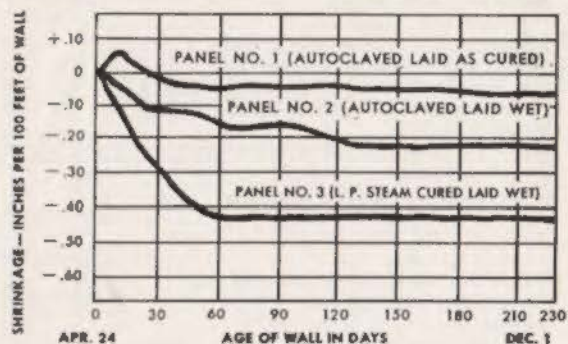
EL PASO CHAPTER

Corporate Members—El Paso

Bynum, M. O., 605 E. Yandell Dr.
 Carroll, Edwin W., 1001 E. Yandell Dr.
 Crocker, Theodore, 827 E. Yandell Drive
 Deauble, Louis, Jr., 1001 E. Yandell Drive
 Dinsmoor, Wm. B., Jr., 605 E. Yandell Dr.
 English, Hugh, 5500 Garry Owen Rd.
 Fouts, Robert Warren, 1429 E. Yandell Dr.
 Garland, Robert D., Jr., 508 Banner Bldg.
 Henry, Charles Lynn, International Merchandise Mart Bldg.
 Higgins, Clarence, 827 E. Yandell Dr.
 Hilles, David Ellsworth, Jr., 508 Banner Bldg.
 Kent, Stephen, 1001 Mills Bldg.
 Kuykendall, Walter E., Jr., 5801 Trowbridge Lane, Harry D., 939 Sandhills Freeway
 Licht, Richard H., 827 Yandell Dr.
 McGhee, Percy W., 3015 N. Florence
 Middleton, Sam T., Jr., 508 Banner Bldg.
 Monrpe, James E., Jr., 827 E. Yandell Dr.
 Nesmith, B. Rea, 939 Sandhills Freeway

Through Autoclaving, complete curing is accomplished in a few hours, therefore time as a yardstick of quality is obsolete. In addition, the autoclave process is easily duplicated from one cycle to the other taking the "guesswork" out of curing with the assurance that every run is of equally high quality.

shrinkage curve chart The End Result



EAST TEXAS LEADING PRODUCER OF LIGHTWEIGHT AUTOCLAVED UNITS

DODDS & FOUNTAIN

BUILDING PRODUCTS INC.

TYLER, TEXAS

GREGGTON, TEXAS

Stanley, Duffy, 610 Mills Bldg.
 Thorman, Otto H., 1429 E. Yandell Dr.
 Turner, Dorris Belle, 5920 Tejas Dr.
 Waterhouse, Ewing C., 1001 E. Yandell Dr.
 Wuehrmann, William G., 310 N. Stanton St.
 Young, Carl J., 823 Chile St.

Associate Members—El Paso

Benner, A. V., Sr., 310 El Paso Natl. Bank Bldg.
 Bibb, Sumter T. III, 500 Banner Bldg.
 Foster, J. P., 1001 Mills Bldg.
 Hunt, James C., 411 W. Estes, Midland
 McCombs, Clinton L., 5801 Trowbridge
 Rand, Pat, 1001 E. Yandell Dr.
 Skidmore, Dickson M., 508 Banner Bldg.
 Thorpe, W. F., Jr., 1001 Mills Bldg.

Junior Associate Members—El Paso

Devillier, Charles C. V., 508 Banner Bldg.
 DuSang, George Jr., 1001 E. Yandell Dr.
 Fischer, Herbert M., 939 Sandhills Freeway
 Jones, J. Carlos, 939 Sandhills Freeway
 Murga, Alberto, 1001 E. Yandell Dr.
 Sawtelle, Gilbert G., 610 Mills Bldg.
 Shaefer, Hilpert, 713 N. Kansas St.
 Shaw, Robert P., 939 Sandhills Freeway
 Staten, George C. Jr., 1830 Texas St.

Honorary Member

Schreck, Dr. Horst, P. O. Box 11
 Ysleta Station

FT. WORTH CHAPTER

Fellows

Wilson, Edw. L., P. O. Box 9048

Corporates

Adams, Charles Rufus, 2400 Continental National
 Bank Bldg.
 Armstrong, Charles E., Box 9246
 Bigley, Charles Leroy, 3204 South Hills
 Boese, Olin, Jr., 4209-A Westridge
 Buchanan, James C., Jr., 2945 Timberline Dr.
 Burnett, Richard Eugene, 3624 Stadium Dr.
 Chambers, Robert W., 3741 A Winthrop
 Chromaster, William Wells, 4455 Pleasant St.
 Clark, Clifton Gilbert, 3936 Micki Lymm
 Cocke, John W., Jr., 1507 Franklin, Waco
 Cox, Herman G., 415 Neil P. Anderson Bldg.
 Croston, M. E., Jr., P. O. Box 765
 Digby-Roberts, F. W., 1205 Clover Lane
 Dunlap, Jay Teel, Box 9048
 Easterwood, Birch D., 522 Neil P. Anderson Bldg.
 Easterwood, K. Y., Box 7048, Waco
 Epperly, Don, P. O. Box 9048
 Farmer, Shuford L., Rt. 8, Box 421, Waco
 Floore, John W., 1401 W. Lancaster
 Frye, Jason William, Jr., 3014 Sandage
 Geren, Preston M., Sr., 1607 Ft. Worth
 Natl. Bank Bldg.
 Geren, Preston M., Jr., 1607 Ft. Worth
 Natl. Bank Bldg.
 Gernsbacker, Larry M., 2407 Continental
 Natl. Bank Bldg.
 Hamm, T. Z., II, 1804 Continental
 Natl. Bank Bldg.
 Hardin, Jr., 1607 Ft. Worth Natl. Bank Bldg.
 Harrell, Pierrepont, 3511 Corto
 Hedrick, Wyatt C., P. O. Box 765
 Herrington, Jack Donald, 1516 Tulip Drive, Arlington
 Hollis, Chester Roland, Jr., 600 Bailey
 Hueppelsheuser, Clyde R., 1401 W. Lancaster
 Jelinek, Robert, 6304 Kenwick
 Johnson, John Buford, Sr., 819 Pann St.
 Jones, John W., 1708 Sunset Terrace
 Jones, Robert Charlton, Jr., 2311 Ryan Place Drive
 King, Arthur George, 819 Penn St.
 Kneer, William C., Jr., 1804 Continental
 National Bnk. Bldg.
 Koeppe, Earl E., P. O. Box 1704
 Komatsu, Albert Shigeki, 4717 Highway Dr.
 Lane, William R., 1502 West Rosedale
 McAdams, Albert Carlton, 257 Majestic Bldg.
 Malin, Alfonso W., P. O. Box 9035
 Maples, Horace Calvin, 205 Bliss Building
 Moore, Dick C., 2570 Highview Terrace
 Neel, W. Morris, 104 S. West St., Arlington
 Padgett, Sidney T., 600 Bailey
 Parker, Morris Buford, 3512 Western Ave.

Parrish, William, 5404 Stephanie Dr.
 Patrick, G. T., 301 Jack Danciger Bldg.
 Patterson, J. J., P. O. Box 9048
 Pelich, Joseph R., 1203 Trans-American Bldg.
 Pihak, Roy, P. O. Box 8147
 Putty, Paul Cowan, Jr., 2901 Bilglade Rd.
 Schutts, Jack Arthur, 1607 Fort Worth

National Bank Building

Shupae, George W., 1625 S. Davis St., Arlington
 Sowden, George S., Box 9048
 Stanley, Thomas Edward, II, P. O. Box 1263
 Stuart, Lee, Jr., 2808 Bledsoe
 Thomas, Raymond F., Grayson County State Bank,
 Sherman

Tomlinson, DeWitt, 3729 Cresthaven Terr.

Yowell, J. D., 1612 Electric Building
 White, Warren G., 3017 W. Rosedale
 Williams, Clifford Kilborn, c/o Housing & Home
 Finance Agcy., 300 W. Vickery
 Witt, James D., P. O. Box 1699, Waco
 Wolfe, Howard C., 3529 Winthrop
 Wolz, Robert P., Jr., 1502 West Rosedale
 Woodruff, Clyde H., 3859 Medford Rd.

Associates

Barfield, Cecil Aubrey, P. O. Box 9048
 Barr, Robert F., P. O. Box 1699, Waco
 Beal, George L., 2111 N. W. 23rd St.
 Boese, Olin, Jr., 905 T & P Passenger Bldg.
 Crane, George S., 2304 Edwin
 Deeley, Paul McKnight, Jr., 8005 Pinewood Dr.
 Echols, William W., 3024 5th Ave.
 England, James R., 3405 Western Ave.
 Gordon, C. M., P. O. Box 1075, Grapevine
 Haberman, Paul L., 5704 Eppy
 Hahnfeld, Lee Roy, P. O. Box 9048
 Hendricks, Bill M., 1122 Bonnie Brae
 Jeanes, Edward D., 3232 McCart
 Jeans, Ben H., 2849 Hunter St.
 Johnson, Charles R., 4025 Driskell
 Johnson, Fred H., 1813 Martin Luther Dr.,
 Arlington
 Johnson, J. R., Jr., 4805 Lubbock
 Kelley, Charles H., P. O. Box 9048

McCready, Ross De Clarke, 905 T & P
 Passenger Bldg.

Pfeffer, Charles J., 6348 Darwood
 Reavis, Willard, 1115 Lynda Lane, Arlington
 Reeves, Noble Blake, 82551 Langford
 Riley, William C., Jr., 2904 W. Boyce
 Scudiero, Joseph S., 4067 W. 7th St.

Junior Associates

Davis, Jerry Clifford, 3905 Rosedale
 Elting, Tommy H., 2612 S. Jones
 Green, Henry L., 3612 Shelby Dr.
 Martyniuk, Osyp, Cranbrook School of Design,
 Bloomfield, Mich.
 O'Toole, Charles Lee, 4617 Strong
 Perkins, Robert I., P. O. Box 765
 Wharton, Paul Clayton, 3329 Panola

HOUSTON CHAPTER

Members Emeriti

Leibsie, Roy W., 3702 Almeda Rd.
 Salisbury, H. A., White Sands, La Jolla, Calif.
 Woodruff, Lewis Jr., 910 Brnard

Fellows

Barthelme, Donald, 235 N. APC Bldg.,
 6910 Fannin
 Briscoe, Birdsall P., 1811 Crawford
 Brown, Hamilton H., 3270 Sul Ross
 Calhoun, Harold E., 2506 Richton
 Chillman, James, Jr., P. O. Box 1892
 Finn, Alfred C., Sr., 1005 Bankers Mtg. Bldg.
 Golemon, Albert S., 5100 Travis
 Kamrath, Karl F., 2713 Farndale
 Lloyd, Hermon F., 4605 Montrose
 MacKie, Fred J., Jr., 2713 Farndale
 McGinty, Milton B., 2425 Ralph
 Nunn, Stayton A., Sr., 3272 Westheimer
 Rather, John T., Jr., 2814 Virginia
 Rolfe, Walter T., 5100 Travis
 Staub, John F., 2814 Virginia
 Sullivan, Maurice J., 3901 Travis
 Wilson, F. Talbot, P. O. Box 4216
 Corporates
 Alexander, W. W., 2712 Danville

Moore Building Products

406 Bell Ave.

DENTON, TEXAS

Manufacturers and Distributor of:

- LIGHTWEIGHT CONCRETE BLOCK
- SPLIT STONE
- PATIO STONE
- ALUMINUM WINDOWS
- MASONRY PAINT & SUPPLIES

TELEPHONE DU 2-2251

B. R. MOORE

Owner

GENE GOHLKE

Sales Manager

Amyx, Boone, 4824 South Main
 Anderson, Ralph A., Jr., P. O. Box 6216
 Andrews, Mrs. Lavone D., 8 Shadder Way
 Baer, David C., 1200 Bissonnet
 Barnstone, Howard, 811 Lovett
 Barth, Clifford Ray, 502 N. Avenue A, Bellaire
 Balsler, Horace E., 1529 Maryland Ave.
 Bentsen, Kenneth Edward, 3400 Montrose, Suite 605
 Biering, Robert, 11602 Blalack Forest
 Bigbee, William Lynn, 4604 Evergreen, Bellaire
 Bishop, James A., 6202 Simsdale
 Bodek, Edward, 3315 Graustark
 Bolton, Preston, 811 Lovett
 Borget, Lloyd, 4519 W. Alabama
 Brady, Bernard Cornelius, Jr., 1325 Chamboard Dr.
 Branda, Gerald E., 2904 Ferndale
 Broadnax, A. C., 6907 Alameda
 Broesche, Travis, 3271 West Alabama
 Brogniez, Raymond H., 3207 Mercer
 Buffington, Ralph M., 1710 Welch
 Bullock, Thomas A., 3400 Montrose Blvd.
 Burleson, James E., Sr., P. O. Box 25191
 Bush, F. Woodrow, 827 Ridge St.
 Butler, John Rogers, c/o T. J. Bettis Co.,
 616 Fannin
 Cato, Claude R., 2401 LaBranch
 Chan, Charles Soon, 403 Woodard
 Chase, Charles S., Jr., 2317 Bissonnet
 Chase, John Saunders, 2916 Blodgett
 Clemens, Robert W., 401 S. Richey
 Cline, Nyal Lee, 1513 W. Alabama St.
 Coogler, James David., Jr., 3526 Penwood Way
 Cowell, C. Herbert, 5610 Fannin St.
 Davis, Hal Muncaster, 2120 South Post Oak Rd.
 Demopoulos, Dimitri, 5100 Travis
 Dezurko, Edward R., P. O. Box 1892
 Dill, Fran C., 1211 Hyde Park
 Dixon, Sam B., 3702 Alameda
 Douty, Truman B., 7335 Dixie Drive
 Dunway, James K., 2706 Richmond
 Dunlap, Cecil N., 1811 Crawford

Duryea, William K., 3270 Sul Ross
 Eichelberger, Dean A., 22 Chelsea Place
 Elkins, E. H., 3270 Sul Ross
 Elliott, Card G., Jr., 3516 Mount Vernon
 Elliott, Justin M., 2814 Virginia St.
 Engberg, Arne, 3110 Eastside St.
 Evans, Jonathan W., 2303 Main St.
 Fairchild, Cameron D., 2626 West Dallas
 Fasullo, George, 1711 Yale
 Finn, Alfred C., Jr., 1005 Bankers Mtg. Bldg.
 Fitzpatrick, McCall, 3266 Branard
 Flanagan, Robert V., 3756 Seminole
 Flynn, Arthur Morrell, 2472 Bolsover Rd.
 Flynn, Charles Harold, Jr., 2472 Bolsover Rd.
 Frankfurt, Henry D., 337 Knipp Road
 Freeman, John Henry, Jr., 1700 Main St.
 Furley, Edmund, Jr., 2302 S. Main
 Gabert, Lenard, 1315 Bell Ave.
 Gaffney, Edward K., 4132 Coleridge
 Gaine, John Y., 1018 River Glyn Dr.
 Gaskill, Clinton R., Jr., 4141 N. 10th, Abilene
 Gilbert, Earl R., 4026 Rose Ave.
 Goehring, Lloyd A., 1917 Westheimer
 Golemon, Harry Abbott, 4014 O'Meara St.
 Goodrum, James Robert, 5011 Jack Wood
 Goodwin, Edwin James, Jr., 23 Leisure Ln.
 Gragg, Hugh E., 3927 Essex Lane
 Greacen, Thomas E., II, 3520 Montrose
 Green, Charles Marley, 5417 Crawford St.
 Green, Wilbur E., 1008 Taft
 Greenwood, Ben F., P. O. Box 20091
 Greeson, John Aubert, 3270 Sul Ross
 Guinn, Fred W., 5309 Navarro
 Heath, Herbert C., 2314 Dunstan
 Heaton, James Edgar, 5619 Overbrook
 Heidreder, George Allen, 2005 S. Coast Life Bldg.
 Hightower, Charles E., 3215 Mercer
 Hightower, Charles E., 3215 Mercer
 Hoff, William B., 9507 Meadowcroft
 Hoffman, Henry S., 443 Hollow Dr.
 Holdredge, William B., P. O. Box 1135

Howze, Albert H., 2814 Virginia
 Hubach, Carl C., 938 Westmont Dr.
 Irvine, Robert A., 2704 Sackett
 Jaccard, Kermod C., Jr., P. O. Box 1066, Angleton
 Jackson, R. Graham, 2506 Richton
 James, Allan K., 3813 Buffalo Speedway
 Jenkins, Raymond L., 2622 Richmond
 Jenkins, William Robert, 10002 Willow Grove
 Johnson, C. A., 3501 Buffalo Dr.
 Johnston, F. Perry, 3908 Main St.
 Jones, Roy W., 5402 Holly, Bellaire
 Jones, William Paul, 2706 Richmond Rd.
 Josserand, Louis P., 3710 Mt. Vernon
 Keeper, David M., 2518 Tanglely
 Keller, Theo. F., 209 Old National Bldg.
 5619 Fannin St.
 Kerner, Charles H., 5100 Travis
 Kiefner, Charles H., 3501 Buffalo Dr.
 King, Robert L., 1109 Kipling
 Kirk, Robert D., Jr., 2416 Roseland
 Klein, Irving R., 1317 Austin St.
 Knight, Earl Richard, P. O. Box 852
 Knostman, Jack W., 2017 West Gray
 Koetter, Gunter W., 2302 Richmond
 Krakower, Joseph, 505 Avondale
 Lammers, Lowell, P. O. Box 600, Baytown
 Langwith, John Edmund, Jr., 1109 Kipling
 Lawrence, Charles E., 3400 Montrose Blvd.
 Lefeste, A. A., Jr., 4614 Willow, Bellaire
 Lent, Robert F., 5701 Jackson
 Lenzen, William R., 1202 Oak Lane Dr.
 Lightfoot, Tommy Ewart, Sr., 7806 Burgoyne
 Linnstaedter, Herbert William, 3106 Brazos
 McCleary, Thompson H., 3270 Sul Ross
 McCormick, Calvin, 3270 Sul Ross
 McElroy, William A., 3104 S. Main
 McGinty, B. Burke, 2425 Ralph
 McHale, Thomas G., 3501 Buffalo Dr.
 McKim, C. M., Jr., 2017 W. Gray
 Maddox, H. E., Jr., 3501 Buffalo Dr.
 Maguire, Lewis S., 4211 Lealand

Two **NEW PLANTS**

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

LONE STAR STONE & BLOCK, INC.



P. O. Box 368
 Saginaw, Texas
 Phone
 MA 4-8438

8"
 Alamo Brick

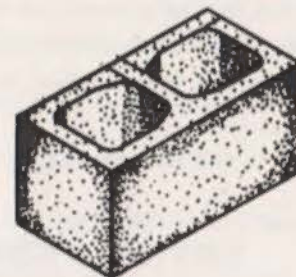
12"
 Norman Brick
 Decorative Blocks

16"
 Longhorn Stone

Fort Worth

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

Versatile
 Volume Stable
 Units



BLOCK COMPANY, INC.

Problems of Foundation and Shrinkage

An important factor to consider first when designing a concrete masonry wall are conditions that exist outside of the material itself. This factor is the cracking due to foundation movement. Designing concrete masonry walls to include control joints at the points of stress to absorb any movement of the wall from shrinkage or expansion, and using recommended wire reinforcing in mortar joints will help to eliminate the possibility of cracks. Properly designed foundations for the precise soil conditions at the site, and strong enough to meet the requirements of masonry walls, will eliminate additional possible cracking. When the problems of foundation and shrinkage conditions are met, the battle of

waterproofing is practically won.

The following essay by *Mr. Howard O. Craven, President of Weatherwise Products, Van Nuys, California,* and Waterproofing consultant to the Concrete Masonry Industry, is quoted from *Concrete Masonry Age*. Mr. Craven has had some twenty years' experience in this type of business and is well-qualified to advise on waterproofing problems.

"The term "Waterproofing" is one of the most abused and misunderstood in the building industry. Yet the prevention and correction of moisture problems, even in lightweight masonry, are relatively simple matters. It is just that not enough people know the answers."

"The solution themselves are sim-

ple, yes, but only when important factors are fully considered and the requirements to be met are firmly established. Then, the proper materials, application methods and job procedures can be prescribed."

"The first step to be determined is the requirements. Is it necessary that the masonry be WATERPROOFED, or will a high degree of WATER REPELLANCY afford sufficient protection? Will it be painted or is the original color and texture to be retained? What is the surface density?"

"What are the climatic conditions on the job site? (It is obvious that a structure in a dry California area would not require the same protection as a similar one on a rainy Oregon coast)."

"When WATERPROOFING is desired, there is no substitute for a proper filler type of cementitious coating. The very nature of lightweight masonry surfaces requires a material that will completely fill and seal all voids, pores, mortar shrinkages and cracks, even though later painting is contemplated."

"Such products, possessing all the qualities for waterproofing a porous surface, have been manufactured for nearly fifty years and have provided protection for concrete and concrete block structures both above and below grade for long periods of time."

"There are specially processed portland cement type materials available in a full range of colors. Their application is usually made with a fibre brush, but, under certain conditions, they may be applied by trowel or plaster applicator."

"Where a high degree of WATER REPELLANCY is required of a masonry surface, or the retention of its natural color and texture is desired,

Next Page Please



Hats off to the many producers of beautiful split-stone and brick concrete masonry units.

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.

Other high quality products we supply: Near-White Roofing Stone, Asphaltic Concrete, Base Material, Topping Rock, Concrete Aggregate, Filter Bed Stone, Ballast, Rip-Rap, etc.

Let us serve you as we have our many satisfied customers since 1931.

SERVTEX MATERIALS COMPANY

P. O. Box 729

MAdison 5-3457

NEW BRAUNFELS, TEXAS

Manning, Ernest Vincent, 4152 Benneville St., Cincinnati 30, Ohio
 Marshall, Charles B., 2008 W. Alabama
 Martin, Milton Foy, 1811 Crawford
 Mattingly, Edward, 5417 Crawford
 Maurice, Robert W., 3222 Mercer St.
 Maze, Richard R., P. O. Box 231, Bellaire
 Middlekauf, C. B., 2425 Ralph
 Moore, Harvin C., 2006 W. Alabama
 Moore, Theron L., 3412 Yupon
 Moorehead, James, Jr., 354 Piney Point
 Moreland, Rembert B., 3215 Mercer
 Morgan, William B., 4405 Montrose Blvd.
 Morris, Ray, Jr., 10606 Chimney Rock
 Morris, Seth I., Jr., P. O. Box 4216

Mulvey, Carl A., 1652 West Main
 Neuhaus, Hugo V., Jr., Suite 407, Old Nat'l Bldg., 5619 Fannin St.
 Neuhaus, J. V., III, 3221 W. Alabama
 Northrop, J. W., Jr., 3940 Main St.
 Northrop, Page H., 3940 Main St.
 Nunn, Stayton, Jr., 3272 Westheimer
 Nutter, Arthur E., 608 Preston
 Paul, Theodore Louis, 401 Louisiana, Room 801
 Payne, Harry D., P. O. Box 22311
 Pena, William M., 3400 Montrose Blvd.
 Perkins, Daniel, 306 Burnet Dr., Baytown
 Phenix, Vance D., 2425 Ralph
 Pierce, Abel B., Jr., 2200 Welch
 Pierce, George F., Jr., 2200 Welch
 Porterfield, Jack M., 817 South Tatar, Pasadena
 Potter, Edward P., 3607 Greenway Court
 Price, Thomas M., 1227 Ave. L., Galveston
 Ransom, Harry Steelesmith, Jr., 5614 La Branch
 Reber, Jack M., 8611 Timberside
 Red, David D., P. O. Box 4721
 Reed, Mack G., 2626 Westheimer
 Reichert, Edward, 1917 Westheimer St.
 Reynolds, John Carson, 6837 Hazen
 Reynolds, Joseph B., 2480 Times
 Rick, Robert G., 1101 E. Poplar, Victoria
 Rustay, George W., 1811 Crawford
 Sandlin, Ernest Lee, 7926 Sarita
 Schroeder, Edwin A., 1202 Dennis
 Scott, Wallie Eugene, Jr., 3400 Montrose Blvd.
 Sheppard, Albert Edward, 306 West Cowan Dr.
 Sjolín, Gosta, 3616 Greenbriar
 Skislewicz, Anton, 1434 Alfred J. Du Pont Bldg., Miami 32, Florida
 Smallwood, Robert C., 2439 Robinhood
 Smart, George H., 2703 Kipling
 Smith, Oliver H., Jr., Suite 204, 4000 Westheimer
 Sprohge, Paul Richard, 104 Bellaire Ct., Bellaire
 Stuermer, Adolph D., 1020 N. Jefferson, San Angelo
 Sullivan, Charles, 3901 Travis
 Swanson, James T., Jr., 3215 W. Alabama

Swenson, Bailey A., 3104 Brazos St.
 Symonds, Walter S., Jr., 2610 Whitehaven St., Bellaire
 Talley, Robert W., 805 Lovett Blvd., Suite 203
 Tamminga, William, 3617 Yoakum
 Taylor, Harold W., 1202 Dennis
 Taylor, Harwood, 3221 W. Alabama
 Tharp, Benjamin C., 2302 Richmond
 Tillinghast, Josh, 2511 Sage Rd.
 Todd, Anderson, 3617 Yoakum
 Tungate, Mace, Jr., 2506 Richton
 Turner, Harry A., 2502 Robinhood
 Ulbricht, Henry, Jr., 1700 Main St.
 Vale, Wylie W., 517 West Gray
 Voelcker, Herbert R., 1202 Dennis
 Walton, Richard B., 3812 Mount Vernon
 Wauson, Horace Cecil, Jr., 3767 Elmora
 Webster, James F., Jr., 2017 West Gray
 Wells, Oscar E., Jr., 2346 Wroxton Rd.
 Werlin, Eugene, 3501 Buffalo Dr.
 White, Emory S., 3110 Eastside St.
 Williams, Allen R., 4603 Ivanhoe
 Wilson, Charles Burton, 1109 Kipling
 Wilson, R. H., Jr., 2206 Woodhead
 Winslett, Herschel R., 3927 Essex Lane
 Wirtz, L. M., 2506 Richton
 Wisdom, William J., 1116 Hawthorne
 Woestemeyer, Otto F., 4210 Montrose Blvd.
 WooHers, L. B., 2706 Richmond
 Youens, Ernest L., 5418 Braeburn, Bellaire
 Young, Baldwin N., 4000 Westheimer
 Zander, Ralph, 7811 Chevy Chase Dr.

Associates

Bartlett, BenneH B., 10113 Bassoon
 Bearman, Tibor, 1006 Seawall Blvd., Galveston
 Brailas, Alexander, 8722 Ferris
 Cannata, Anthony C., 743 East 8½ St.
 Coseeli, Frank J., Jr., 6311 Simsdale
 Dalton, Warren Edwin, #25 Killarney Ct.
 Deane, Walter, 6614 Saxet Ave.

From Page 38 —

a transparent coating properly applied in two coats will do an excellent job."

"This application, though not completely waterproof, prevents the passage of water to a degree that only in cases of extreme exposure to wind and rain will an occasional damp spot appear."

"All such surfaces as poured concrete, concrete gunite, brick, stone and block will leak under certain conditions and in varying degrees. Their surfaces should be waterproofed and protected. Maintenance costs are sharply reduced."



Showrooms and Warehouses
 in 14 cities

Factory and General Office
 San Angelo, Texas

Monarch

TILE MANUFACTURING INC.

Member, Tile Council of America

Rely on **MONARCH** for . . .

- ★ "Colorblend" glazed ceramic wall tile.
- ★ Ceramic porcelain, natural clay and quarry floor tile.
- ★ "Kristaline" hard glaze tile for residential floors.
- ★ Complete line of vitreous china bathroom accessories.
- ★ "Multi-Set" method for precision installation of wall tile.
- ★ Thin set materials, including both organic and inorganic.
- ★ Both wet wall and dry wall grouts.
- ★ Design service for both wall and floor tile installations.
- ★ Proven quality and personalized service.

Denny, Clifton E., Jr., 1533 Caywood
 Deshayes, Joseph Robert, 215 Marshall
 Doughtie, Symond E., 2102 Lillian, Pasadena
 Du Bose, Jean, 7810 Del Monte Dr.
 Dvorak, Helen Ann, 6125 Washington
 Evans, Richard S., 5101 Pocahontas, Bellaire
 Garrison, John Fleming, Jr., 2910 Westheimer,
 Apt. 3

Glass, Frank R., 1721 Potomac
 Giffillan, Freda Jane, 4333 Clay
 Harris, Weldon L., 7814 Bintliff Dr.
 Hines, E. Gene, P. O. Box 20091
 Horton, Harold B., 5008 Alameda, Suite 2
 Jones, Betty Jo Lackey, 602 Branard St.
 King, Edward W., Jr., 1330 Tulane
 Kotch, Marlon A., 620 Brenard
 Lake, William, Jr., 3940 South Main
 Larson, John Haydn, 811 Lovett Blvd.
 Lillioff, Richard W., Jr., 6 South Wynden
 Maas, Miss Elaine, 3202 Revere—Apt. C
 Mayo, Edward B., 1511 California
 Miller, William K., 1200 Bissonet
 Newton, Alsey W., Jr., 407 Avondale
 Pryzant, Julius Loeb, 2121 Peckham
 Reber, Albert August, P. O. Box 346, Wharton
 Ridgeway, Anne, Box 96, Austin
 Robinson, Thomas A., 535 West 32nd
 Rogers, Tom K., 5429 Pagewood
 Simmons, R. Bruce, 5931 Belfort
 Strickler, David C., 4034 Lanark Lane
 VanNess, John B., Jr., 4418 Marwin
 Walton, Conrad Gordon, 1309 Bomar Ave.
 Whitehead, Thomas P., 2703 Kipling
 Wingfield, Magruder, 811 Lovett Blvd.
 Wisenbaker, Howard R., Jr., 314 Forest Hill

Junior Associates

Beddall, George E., 1034 Marleen
 Bell, Jacque Frederic, 1119 Bay Oaks Rd.
 Bernstein, Larry, 7014 Langdon Lane
 Berry, James R., 4412 Basswood Lane, Bellaire
 Brand, Joel Stanley, 2127 MacArthur Dr.

Brochstein, Raymond, 2322 Braeswood
 Brude, Adolph Gustav, 4905 Cedar, Bellaire
 Chaskin, Meyer, 10927 Cadarhurst
 Cooper, James Barrett, 1647 Cortlandt
 Crockett, David Wauchope, 1421 Glourie
 Crow, Donald H., 4606 Holt, Bellaire
 Cummins, Ira Keith, 1324 5th Ave.,
 North, Texas City
 Diniz, Darcy P., 2324 Richmond
 Doyle, J. Pleasants, 2106 Hazard
 Dunn, Joseph G., 5035 Jackwood
 Galloway, Mrs. H. R., 3505 Bissonnet
 Gillette, Ray W., 4618 Park Court, Bellaire
 Hackney, John H., 1910 McDuffie
 Heesch, Theodore M., 1500 W. Alabama
 Hill, Cal D., Jr., 4506 Birch
 Hughes, James Michael, 6446 Sewanee
 King, Robert Eugene, 3774 Purdue
 Lancer, Robert W., 11904 Knippwood Lane
 Lavey, Morton L., Jr., 7721 Oldhaven
 McKnight, John Lyndon, 1632 Bonnie Brae
 Modrall, A. William, 6126 Reamer
 Mount, Howell Edward, 1733 Duna Way
 Munroe, W. A., 7311 Schiller
 Rempelakis, Emmanuel J., 5122 Libbey Lane
 Riggs, Hal D., 5416 Braeburn Dr., Bellaire
 Segura, Fernando H., 2315 W. Main
 Squibb, Jane Carter, 4802 Willow, Bellaire
 Stealy, Wm., 1923 25th
 Weaver, Thomas Martin, 8421 Burkhardt
 Wilkins, Richard S., 2627 Talbot

**LOWER RIO GRANDE
 VALLEY CHAPTER**

Member Emeritus

Ellis, C. Lyman, Sr., 305 E. Jackson, Harlingen
Corporates
 Baxter, William C., Pioneer Bldg., Weslaco
 Bowman, Walter C., 1220 W. Harrison St.,
 Harlingen

Burkhart, Max Edwin, Jr., Rt. 1, Pharr
 Croft, Charles Benjamin, 1802 Laurel Dr.,
 Harlingen
 Ellis, C. Lyman, Jr., 305 E. Jackson, Harlingen
 Hiester, J. W., 1801 Central Blvd., Brownsville
 Hobart, Gene Perry, 320 S. Missouri, Mercedes
 Rike, Zeb W., 1101 Vine Ave., McAllen
 Summers, B. McIntosh, 1700 South Tenth,
 McAllen
 Suter, Warren C., P. O. Box 255, Mission
 Swanson, E. Lester, 1220 W. Harrison, Harlingen
 Taniguchi, Alan Yamato, 1426 W. Highway 77,
 Harlingen
 Tucker, H. Leo, Box 614, Weslaco
 Velten, Robert Edwin, 1345 Coral Court,
 Brownsville
 Wilhite, Gayle, 243 E. Levee St., Brownsville
 Woolridge, A. H., 825 Palm Blvd., Brownsville
 York, John G., 1204 S. 15th St., Harlingen
Associates
 Fister, George Arthur, 508 Yarbrough St.,
 Weslaco
 Guerra, Julio Rafael, Pioneer Building, Weslaco
 Hancock, J. B., 1101 Vine Ave., McAllen
 Lambeth, William H., 112 Austin Ave.,
 Harlingen
Junior Associates
 McMahon, John T., 1801 Central Blvd.,
 Brownsville
 Wilson, David Marie, Rt. 1, Wilson Rd.,
 Harlingen

LUBBOCK CHAPTER

Corporates

Atcheson, James E., 1009 Texas Ave.
 Atkinson, Atmar L., 3201 29th St.
 Barrick, Nolan E., Dept. Architecture,
 Texas Tech.
 Billingsley, Granville Randolph, 422 Lubbock
 Nat'l Bnk. Bldg.
 Bradshaw, Weldon L., 2514-20th St.

**TEXARKANA "LITE-CRETE"
 BLOCKS ARE CURED AT . . .**

**— SERVING THE
 FOUR STATES AREA —**



**150 lb.
 STEAM
 PRESSURE**



**100%
 HUMIDITY**



**366°
 TEMPERATURE**

**MODERN
 DELIVERY EQUIPMENT**

**WHICH PRODUCES THE BEST
 . . . IN MASONRY UNITS**

TEXARKANA CONCRETE PRODUCTS

P.O. BOX 895

COMPANY, INC.

**Telephone
 32-8311
 32-1721**

Brashwer, Herbert, 2118 34th St.
 Burns, Billy Dane, 2319 47th St.
 Cantrell, Warren B., 2218 58th St.
 Cartwright, Edward William Jr., 1009 1/2 Texas Ave.
 Clark, James I., 1504 Ave. W.
 Craig, Calvin C., Jr., 2805 28th St.
 DeWitt, Talmage, 1203 College Ave.
 Dryer, Hugh Clemens, 201 All American Bldg.
 Duran, Richard, 3718-32nd St.
 Goyette, Robert L., 2118 34th St.
 Haynes, S. B., 1902 Dixie Dr.
 Kimmel, Rabb Turner, 412 Ave. M.
 Kirby, Laverne, 1902 Dixie Dr.
 Kleinschmidt, Florian A., 2324 Broadway
 Lockard, Robert I., Texas Tech. College
 MacCollin, Edmond M., Gen Del, Salem, Oregon
 McMurry, Edward Hoyse, 3813-27th St.
 Messersmith, Robert C., 3307 Ave. X
 Pierce, Henri Deane, 1618 Ave. Y
 Riherd, Herman B., Box 5342
 Roberts, Evan Elijah, Jr., 3105 43rd St.
 Schmidt, Howard William, 1602 Ave. Q
 Spencer, Ralph Donald, Sr., 4627 Detroit Ave.
 Stiles, Marvin Loraine, 3307 Ave. X
 Stracener, Hilton Lionel, 4814 B Belton
 Stuart, John Sims, 1602 Ave. Q
 Svenson, Carl L., 2501 Roper, Odessa
 Whiteaker, Sanford C., 2114 Ave. J

Associates

Harper, Charles F., 412 Ave. M
 Megert, Karl A., Jr., 1009 Texas Ave.
 Mitcham, Raymond, 405 N. Richardson,
 Roswell, N. M.
 Rorex, Miss Evelyn, 1009 Texas Ave.

Junior Associates

Blackstock, Jack Naler, 422 Lubbock Nat'l Bldg.
 Higgins, Richard, 422 Lubbock Nat'l Bldg.
 Johnson, Clarence F., Jr., 3313 36th
 Kirkwood, Miss Geraldine, P. O. Box 204
 Line, Joe V., 1602 Ave. Q
 Sessions, Henry Alvin, Jr., 1602 Ave. Q

NORTH TEXAS CHAPTER

Corporates

Dixon, Jesse G., Jr., P. O. Box 1799,
 Wichita Falls
 Dixon, Pete, Sr., Box 1799, Wichita Falls
 Elam, Eugene M., P. O. Box 1224, Wichita Falls
 Killebrew, James Robert, 1710 Dayton,
 Wichita Falls
 Pardue, R. B., Jr., 1901 10th, Wichita Falls
 Pond, Paul J., Jr., 2123 Brook, Wichita Falls
 Roberts, Joe B., 3113 Sherwood Lane,
 Wichita Falls
 Sanders, Roy Dean, Jr., Box 301, Bowie
 Wingler, Robert Leon, 1717 Tenth St.,
 Wichita Falls
Junior Associates
 Hardeman, Braxton L., 3914 Parker Blvd.,
 Wichita Falls
 Myrick, Ralph V., 1444 McGregor St.,
 Wichita Falls
 Sharp, Allen, 1717 Tenth St., Wichita Falls
 Wood, Robert Donald, 1228 Glendora,
 Wichita Falls

NORTHEAST TEXAS CHAPTER

Corporates

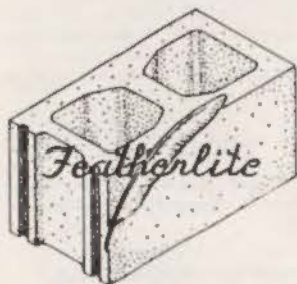
Bellomy, Cleon C., P. O. Box 87, Tyler
 Bintliff, Ann Humphrey, 922 Olive St.,
 Texarkana
 Bruce, Robert Orris, 807 South Beckham, Tyler
 Burch, Arthur Lee, P. O. Box 87, Tyler
 Cates, Melvin J., P. O. Box 241, Tyler
 Cox, John V., 413 Texarkana Nat'l Bnk, Bldg.,
 Texarkana
 Crain, Bluford W., Jr., P. O. Box 352, Longview
 Deteau, Harold, 913 Judson Rd., Longview
 Gohmert, Louis B., P. O. Box 10, Mount Pleasant
 Gregory, Carl A., 1013 Wilma St., Tyler
 Guinn, Leland A., P. O. Box 149, Longview
 Hazelwood, Otis L., P. O. Box 199, Palestine

Kelley, Will Lee, 913 Judson Rd., Longview
 Kenf, Wilbur C., 404 Perry Bldg., Lufkin
 Kroll, H. Conrad, 507 North 6th St., Longview
 Maffitt, Theodore S., Jr., 510 N. Sycamore,
 Palestine
 Marsellos, Floyd A., 404 Perry Bldg., Lufkin
 Moore, John E., Jr., 413 Texarkana Nat'l. Bank,
 Texarkana
 Pate, Charles J., 202 1/2 W. Erwin, Tyler
 Ray, Sidney, 838 Petroleum Bldg., Tyler
 Reinheimer, Robert J., 413 Texarkana Nat'l. Bank
 Bldg., Texarkana
 Rodgers, George R., 501 Marshall Nat'l. Bank
 Bldg.
 Simons, Shirley, 1723 S. Broadway, Tyler
 Simons, Shirley Sr., 1723 S. Broadway, Tyler
 Thomas, Joe, Jr., 413 Texarkana Nat'l. Bk., Texarkana
 Wilcos, E. Davis, P. O. Box 87, Tyler
 Yost, William George, P. O. Box 1269, Longview
Associates
 Evaldo, Jose, P. O. Box 1349, Longview
 Evans, Joe M., P. O. Box 243, Longview
 Hoover, Joseph Allen, 219 1/2 E. Houston St., Marshall
 Jaudon, Charles Wendell, 219 1/2 E. Houston,
 Marshall
 Libby, Carol J., 817 S. Tator, Pasadena
 Smith, Langston, Jr., 1415 Troup Rd., Tyler

PANHANDLE CHAPTER

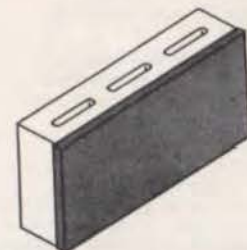
Corporates — Amarillo

Bailey, Jimmy Earl, 1208 West 10th Ave.
 Bliss, Edward N., P. O. Box 1524
 Boren, Thomas M., 1506 Clover Dr.
 Cantrell, B. Royall, Hughes Bldg., Pampa
 Carder, Macon O., Fisk Bldg., Room 419
 Carlender, Guy A., P. O. Box 3158
 Ensign, M. Howard, 4413 Charlene Ave.
 Fowler, W. Henry, Box 3026
 Hannon, John Louis, 1115 Broadmoor
 Hucker, Robert E., 413-B W. 10th



Featherlite
Autoclaved
 Lightweight

**QUALITY
 CONCRETE
 MASONRY
 PRODUCTS
 SINCE 1927**



Spectra-Glaze
 GLAZED BLOCKS

Telephone
 FEderal 1-6588

TRUCK DELIVERY TO
 NORTH TEXAS POINTS

NOLAN BROWNE COMPANY

3815 Singleton Blvd.

P. O. Box 575

Dallas 21, Texas

Kaufman, W. R., Jr., 2740 Duniven Circle
 Kerr, John C., 513 1/2 Broadway, Plainview
 Megert, Russell Adolph, 1000 Fisk Bldg.
 Parge, Earl W., 1919 Cherry
 Rittenberry, James, 114 E. 15th
 Shiver, Clayton B., Penthouse Fisk Bldg.
 Short, George W., 1707 9th Ave.
 Townes, William C., 1208 West 10th Ave.
 Vaughan, Arthur Eugene, P. O. Box 8052
 Ward, John S., Jr., 2750 Duniven Circle
 Wossum, Luther Earl, P.O. Box 3281

Associates — Amarillo

Notestine, John, 1707 W. 8th
 Schnell, William Jack, 1404 W. 12th
 Wilson, James A., 3325 Julian Blvd., Apt. 143

SAN ANTONIO CHAPTER

Members Emeriti

Deweese, Dahl, 1641 Magnolia
 Dielmann, Leo M. J., Sr., 801 E. Guenther
 Hays, Ernest B., 406 E. Huisache Ave.
 Niagili, Emil, 302 Donaldson
 Spillman Beverly W., 10-11 Chandler Bldg.

Fellows

Ayres, Atlee B., P. O. Box 8237
 Cameron, Ralph H., 1519 Transit Tower
 Ford, O'Neil, 528 King William
 Smith, Harvey P., Sr., 117 El Prado Dr. W.

Corporates

Adams, Carleton W., Sr., P. O. Box 10278
 Ayres, Robert M., P. O. Box 8237
 Blomfield, Charles, 3501 Broadway
 Boelhaewe, Charles T., 803 River Rd.
 Brown, Anderson W., 8703 Broadway
 Bueuz, J. Fred, 4900 Broadway
 Buttrill, Lee, Petroleum Center, 900 Military Drive, N. E.

Carrington, Phillip S., 4600 Broadway
 Cocke, Bartlett, 3501 Broadway
 Collins, Neal Thomas, 2143 Zercher Rd.
 Cowan, Robert W., 8703 Broadway
 Dennis, Wilbur Edwin, 342 W. Woodlawn
 Dielmann, Leo M. J., Jr., 8703 Broadway
 Eichenroht, Marvin, 702 Maverick Bldg.
 Eiserloh, Harold L., P. O. Box 8127
 Engelking, Robert S., Calle Varsovia 58, Mexico, D. F.
 Freeborn, Elmer I., 5307 Broadway
 Harber, Col. Wm. V., 324 Melrose Place
 Harris, Bernard P., 3240 McCullough Ave.
 Hein, J. Harris, 210 West Craig
 Hesson, Paul Anthony, 148 W. Olmos Dr.
 Hugman, Robert H. H., 321 Kampmann Ave.
 Hule, Charles Jr., 918 Manor Dr.
 Johnson, Bruce B., 900 N. E. Military Dr., Bldg. D., Room 202
 Jones, William D., 905 Nat'l. Bank of Commerce Bldg.

Julian, Alvin Joseph, 222 E. Guenther St.
 Kellner, Herbert F., 406 Austin Highway
 Lansing, Douglas M., P. O. Box 8127
 Logan, Mrs. Miriam F., 459 University
 Lord, Sidney C., Jr., 5307 Broadway
 Marmon, Harvey V., Jr., 905 Nat'l. Bank of Commerce Bldg.
 Martin, Brooks, 122 Downing Dr.
 Mathis, Arthur, Jr., 2002 N. St. Marys
 May, Allan Frank, 148 W. Olmos Dr.
 Mickelson, William Frands, 315 Brahan Blvd.
 Nicholson, H. E., 1102 Basse Rd.
 Noonan, Thomas Addis, P. O. Box 8308
 Peery, A. B., 211 N. Presa
 Phelps, Raymond, Jr., P. O. Box 8127
 Pfounders, W. R., Jr., 403 W. Huisache
 Rinard, Clarence, 1526 Alamo Nat'l. Bldg.
 Roberts, Reginald H., 2600 McCullough Ave.

North

Rogers, Gerald R., P. O. Box 8308, Laurel Heights Station
 Ryan, Milton A., 401 Elizabeth Rd.
 Schmidt, Jeremiah, P. O. Box 249, New Braunfels
 Schultze, Richard, 117 El Prado Drive West
 Sellinger, Mr. Gerald M., 102 Dawnridge Dr.
 Shoop, Phillip L., 122 W. Olmos Dr.
 Simmons, C. C., P. O. Box 8127
 Simons, Malcolm G., 521 Astec Bldg.

Steinbomer, Henry, 8118 Broadway
 Thomas, Wallace B., 7007 San Pedro
 Thompson, Thomas B., P. O. Box 8308
 Tuggle, Emmitt R., 531 Elmhurst
 Valdez, Frank M., 1818 San Pedro
 Straten, Richard Vander, Box 6643, Alamo Heights Sta.
 Wagner, Cyrus H., 204 Olmos Dr. W.
 Walker, John R., Jr., 4600 Broadway
 Walther, Henry Robert, 610 Alamo Nat'l. Bldg.
 Waters, R. Newell, 204 First Nat'l. Bank Bldg.
 White, Don N., 222 E. Guenther
 Whiteaker, James E., Jr., 1818 Nacogdoches Rd.
 Williams, Joe Carroll, Jr., 2403 North Main Ave.
 Williams, Lt. Col. Macon G., 218 Blakeley Drive
 Wyatt, Benjamin K., P. O. Box 199
 Zisman, Samuel B., 528 King Williams St.

Associates

Allen, Craig, 1138 Basse Rd.
 Barclay, A. T., Jr., 7007 San Pedro Ave.
 Baum, Louis Frederick, Jr., 209 San Pedro Ave.
 Bender, Ralph G., 414 Erskine
 Collins, Peter, 204 Olmos Dr.
 DiStefano, Christopher, 1704 E. Mesquite Ln.
 Frischmuth, Otto A., Jr., 266 Graenhill Pass
 Gonzales, Mario Flores, 509 Howard
 Helmke, Vernon L., 1138 Basse Road
 Jersig, John E., P. O. Box 8127
 Redondo, Edwin F., 319 Glenview Dr., E.
 Rushing, Tupton Bryce, Jr., 302 Rilla Vista Dr.
 Smith, Harvey P., Jr., 117 El Prado Dr., W.
 Hohertz, Daryle Albert, 305 Benton St., Big Spring
 Stevens, Robert E., Jr., 617 N. Virginia St.
 Wilson, Lawrence E., 905 Nat'l. Bank of Commerce Bldg.

Junior Associates

Aiken, Howard A., 107 Sabyan Dr.
 Carrillo, Miguel, 4900 Broadway, Rm. 204
 Crellen, Robert Earl, 421 Bryn Mawr Dr.
 DeMunbrum, Richard Ronald, 2426 Glen Ivy
 Dockery, James W., Jr., 231 Kate Schenck
 Earnest, Harry W., 850 Cravens
 Fraser, John Bigg, 515 Dawnview Lane
 Harper, Robert T., Jr., 122 W. Olmos
 Howell, Milford, 328 Springwood Lane
 Morgan, Robert E., Jr., 3100-14th St., Bay City
 Morkovsky, Robert E., 117 El Prado Dr. West
 Pressly, Thomas Alexander, Jr., 275 Retama Place
 Rast, Edward, 2170 W. Summit
 Simpson, Ralph, 280 Relama Place
 Torres, Ignacio L., Jr., 8119 Broadway
 Vargas, Tom, 415 W. Thorain
 Wilson, Robert W., Jr., United States Military Academy, West Point, N. Y.

SOUTHEAST TEXAS

Fellows

Pitts, Llewellyn Wm., 1872 Calder, Beaumont
 Corporates — Beaumont
 Bullock, Charles E., 1410 Mimosa Lane
 Dixon, William Steinman, P. O. Box 4286
 French, Richard, 2340 Calder Ave.
 Coleman, Harry W., 203 Bowie
 Goode, Rex, P. O. Box 3267
 Harris, Glynn, 1125 Freeway North
 Heartfield, R. C., 419 Am. Nat'l. Bank Building
 Ingram, George L., 1125 Freeway North
 Kyburz, Leon C., 2485 Hazel St.
 Livesay, Tom Bryan, 820 North 11th St.
 Livesay, Wallace Bright, Sr., 820 North 11th St.
 Marak, Kenneth J., P. O. Box 4286
 Mebane, Mike, 1872 Calder
 Neff, John Earle, P. O. Box 1105
 Ransom, King R., 2433-5th St.
 Steinman, Douglas Emmett, Jr., 209 Kyle Bldg., P. O. Box 3267
 Steinman, Douglas E., Sr., 209 Kyle Bldg., P. O. Box 3267
 Stone, Fred C., Apt. 3 K, Crosby Hotel
 TeVault, DeWayne, 474 Freeway-Calder Bldg., Freeway, North
 Vidrine, Lawrence, Box 1187, Port Arthur
 Waller, Dorcy L. H., Sr., 1872 Calder
 White, Robert, 1872 Calder
 Woodside, Harry R., 419 Am. Nat'l. Bank Bldg.

Associates

Beadie, Frank F., Jr., 2390 Central Dr.
 Bell, Milton, 1872 Calder
 Bernhardt, Lawrence, P. O. Box 4286
 Braun, Lester, P. O. Box 1105
 Bullock, Charles E., 1410 Mimosa Lane
 Harmeson, Nual B., 820 N. 11th St.
 Minton, Fred, Jr., P. O. Box 4286
 Moore, Lee, 2406 Memorial Blvd., Port Arthur
 Saxe, Augie, Jr., 203 Bowie Bldg.

Junior Associates

Akin, F. James, 1872 Calder
 Connell, Guy J., 1872 Calder
 Pickie, Charles, 820 N. 11th St.

WEST TEXAS CHAPTER

Member Emeritus

Dena, Royal, 207 South Tyler St., San Angelo

Corporates

Avery, Henry Clinton, Jr., Box 952, Midland
 Ball, Ralph Pershing, 1900 Kermit Hwy., Odessa
 Black, Joseph Jefferson, 801 West Kansas Ave., Midland
 Chakos, Alex, 2703 Dena Drive, San Angelo
 Cliff, William Henry, 1900 Kermit Highway, Odessa
 Devlin, Harold James, 300 North Jackson, Odessa
 Fields, Johnnie Charles, 214 East Eighth, Odessa
 Fox, James Lucius, 313 1/2 North Colorado, Midland
 Gary, John William, 305 Benton St., Big Spring
 Groos, F. Delmar, 1900 Kermit Highway, Odessa
 Hillhouse, James Douglas, P. O. Box 4704, Midland
 Lovett, Max Dowell, 108 S. Jefferson, San Angelo
 Maddux, D. C., 1004 S. Oakes St., San Angelo
 Mauldin, Leonard Robert, 212 Phillips-Talley, San Angelo
 McCutchan, Gordon C., 1404 West Wall, Midland
 Neuhardt, Charles H., P. O. Box 1741, Midland
 Norris, Walter L., 1002 W. Wall, Midland
 Pace, Homer Eugene, Jr., 1002 W. Wall, Midland
 Peters, Robert Lee, 214 E. 8th St., Odessa
 Fierce, Joe Bill, 1002 W. Wall, Midland
 Puckett, O. L., 400 East Fourth St., Big Spring
 Shelton, James Howard, 347 Petroleum Bldg., Odessa
 Sherrill, Marvin LeRoy, 1900 Kermit Highway, Odessa
 Smith, Key C., 1400 E. Everglade, Odessa
 Taylor, Charlie Gaston, 300 North Jackson, Odessa
 Weaver, Harry E., Box 1401, San Angelo
 Welch, Franklin Dee, 1014 W. Fifteenth St., Odessa

Associates

Bailey, Donald G., 212 Midwest Bldg., 411 Main St., Big Spring
 Hompton, Dorr E., 300 N. Jackson St., Odessa
 Scoggins, Jimmie J., 305 Benton St., Big Spring
 Tollin, Kenneth Roy, 214 E. 8th St., Odessa

Junior Associates

Bell, Wayne, 2500 West Storey Ave., Midland
 Bradshaw, Jerre D., 409 North D St., Midland
 Bridges, Jim L., 4411 Anetta Dr., Midland
 Powell, Jay Frank, 100 North N., Midland

A chap went to a quiet farmhouse to get some rest. The first night while walking around the unfamiliar grounds he fell into an uncovered privy that was being remodeled.

"Help!" he yelled. "Fire," "Fire." "Fire!"

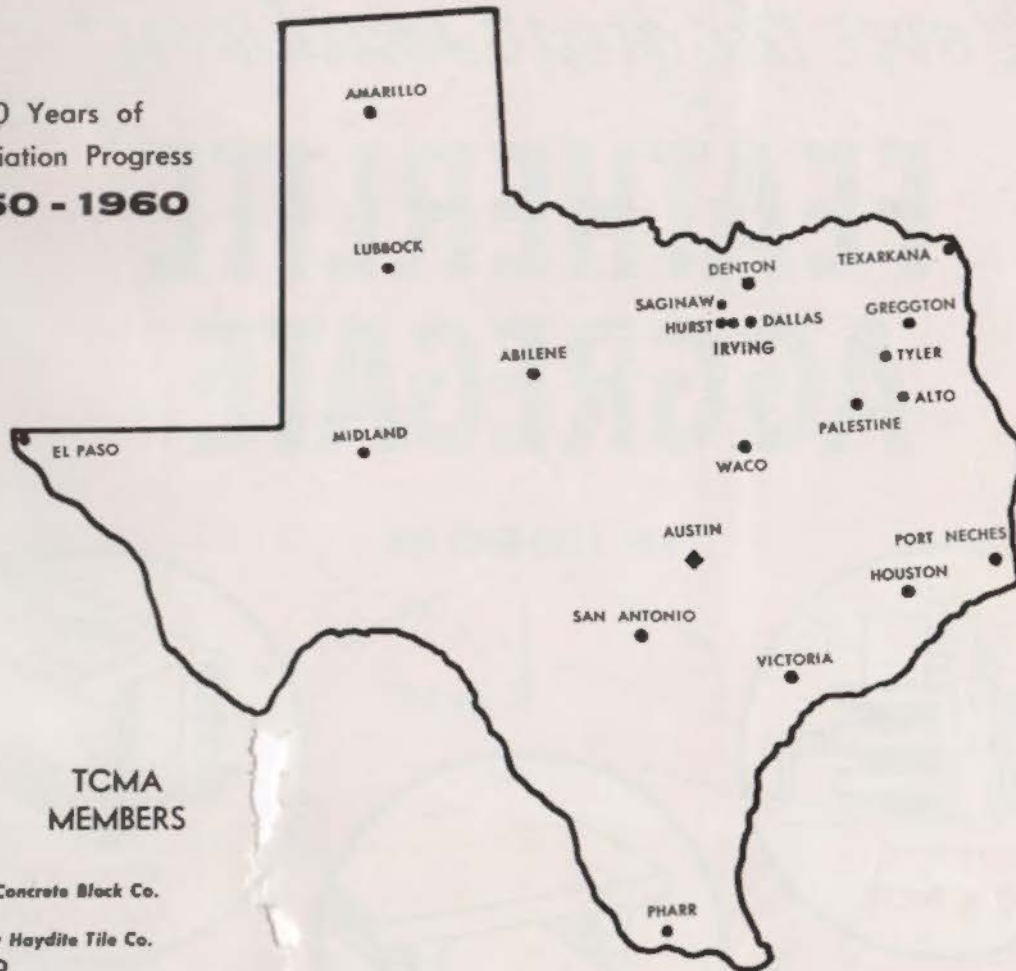
In a short time the firemen arrived, as well as the farmer and his wife.

"What's the idea of yelling fire?" the chief said.

"What do you want me to holler?" asked the irate guest.

TEXAS CONCRETE MASONRY ASSOCIATION

10 Years of
Association Progress
1950 - 1960



TCMA MEMBERS

ABILENE
Texas Concrete Block Co.

ALTO
Quality Haydite Tile Co.

AMARILLO
Crowe-Gulde Cement Co.

AUSTIN
Bohls Block Company

DALLAS
*Nolan Browne Co.
Builders Concrete Products Mfg. Co.*

DENTON
Moore Building Products

EL PASO
Atlas Building Products Co.

HOUSTON
Black-Brolier, Inc.

HURST
*Western Builders Supply Co.
Wilson Products Co.*

IRVING
Acme Industries

LONGVIEW
Dodds & Fountain Building Products, Inc.

LUBBOCK
*Lubbock Building Products
Texas Concrete Block Co.*

MIDLAND
Texas Concrete Block Co.

PALESTINE
Palestine Concrete Tile Co.

PHARR
Valley Builders Supply, Inc.

PORT NECHES
Bond Cement Products Co.

SAGINAW
Lone Star Stone & Block, Inc.

SAN ANTONIO
*Barrett Industries, Inc.
Featherlite Block Co. of San Antonio
Tiffany Stone Sales Co.*

TEXARKANA
*Texarkana Concrete Products
Co., Inc.*

TYLER
*Dodds & Fountain Building
Products, Inc.*

VICTORIA
Victoria Concrete Products

WACO
*Jewell Concrete Products, Inc.
Texas Concrete Works, Inc.*

*The Emblem of A
Quality Manufacturer*



TEXAS CONCRETE MASONRY ASSOCIATION

OFFICE
614 Brown Building
8th & Colorado St.
AUSTIN, TEXAS

Affiliated Chapter of The National Concrete Masonry Association

MAILING ADDRESS
P. O. Box 2383
Capitol Station
AUSTIN 11, TEXAS



TEXAS ARCHITECT
P. O. Box 152
AUSTIN, TEXAS
Form 3547 Requested

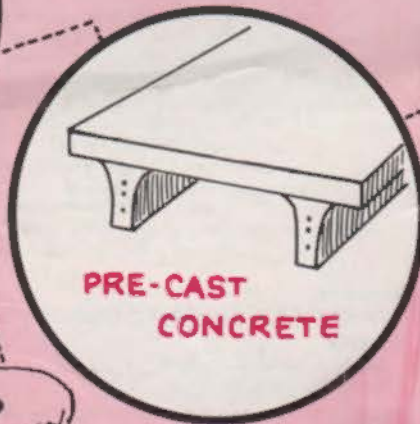
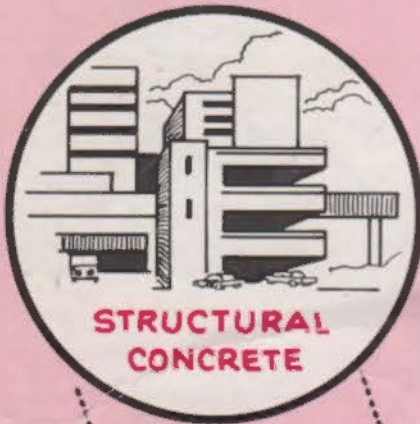
E. BIRD WOODS
633 SOUTH BRUNNEN
AUSTIN, TEXAS

Section 34.66 P. L. & R.
U. S. POSTAGE
PAID
AUSTIN, TEXAS
PERMIT NO. 1301

All over the great southwest

FEATHERLITE AGGREGATE

IS USED IN



WE SELL IN
MEXICO, TOO

NEW
MEXICO

TEXAS

LA.

MEXICO



BUILD IT RIGHT WITH
PLANTS IN
* RANGER
SAN ANTONIO
GENERAL OFFICES
AUSTIN



* WE INVITE YOU TO VISIT OUR NEW FACILITIES IN RANGER -
THE LARGEST LIGHT WEIGHT AGGREGATE PLANT IN THE U.S.