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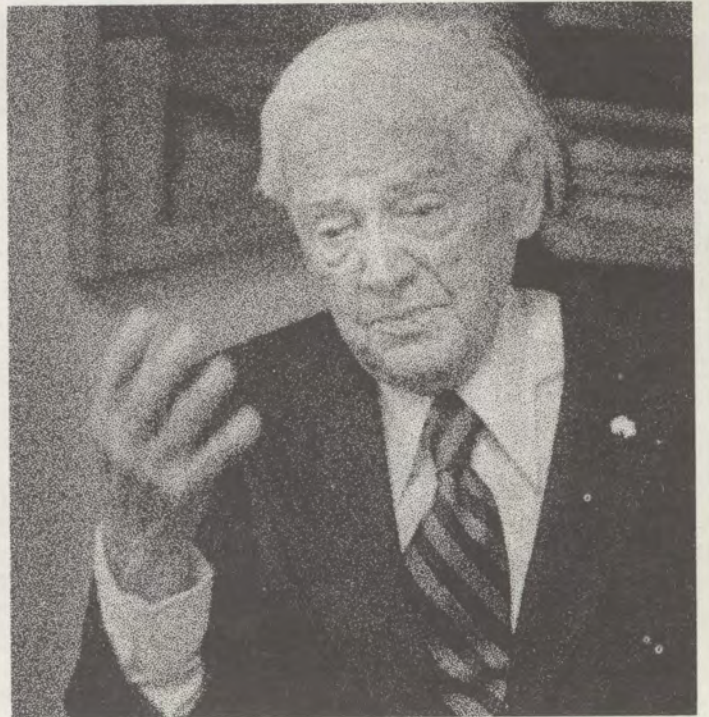
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NOVA

THE
UNIVERSITY
OF TEXAS
AT EL PASO
MAGAZINE



- The Founding
- The Founder
- The Foundry



H. E. VanSurdam

The View From the Hill...

Last December we wrote here of "suffering reverses," those events from which (unlike their athletic counterparts) there are no quick recoveries, no glib answers, and no forgetting. The examples given were the deaths of Mike Brumbelow and Ross Moore, two stalwarts of the University — matchless, unforgettable people. The University continues to suffer reverses like that; indeed, no one can remember a time when we seem to have lost so many beloved people in so short a time.

A glance at the "Deaths" section of Sue Wimberly's AlumNotes columns in recent issues reflects this. In this NOVA alone she reports on 16 UTEP people who have died. We saw Dr. Gladys Gregory only a few days before the last Homecoming when Mary Margaret Davis brought her in to have her photograph taken. Gen. Sam Marshall languished a long time in Beaumont Hospital, incapacitated by strokes, but it seems only a short time ago that we had the pleasure of his company in our office. We worked regularly with Jamie Bowen when she directed the Office of Institutional Studies — a lovely, good-humored, hard-working young lady who meant much to us. Prof. Webb we saw on campus not many weeks before he died, chatted with him and had no glimmering of an idea that this would be the last time we would see this great and good gentleman. Dudley Berry kept in touch with us by mail and was always a helpful and expert advisor when it came to matters of identifying old College of Mines photos or pinning down an elusive date or event or personality from his era of the early 1920's.

We miss these people and will continue to and to think of them often.

* * * *

Anne Cunningham (M.A. '62) wrote us recently and enclosed a very nice poem on another beloved UTEP figure, Dr. Edward Richeson of the Department of English, who died on October 17 last year:

AN ELEGY FOR ED

Gallant friend, our gentle gentleman,
We shall miss your courtliness,
your soft Virginia speech
So elegant, reasoned, and kindly
intended to teach
And to set us the exemplary example.
Go stately as you were to brighten
oft-attended classrooms,
And know our remembrance then
For your flair, wit, courage,
and imagination—
End of pagination.

* * * *

With the last issue of NOVA, we welcome a new staff member whose name will be seen on the masthead at right. She is Kathleen Rogers, a graduate of Texas Tech University with a B.F.A. in Advertising Art. Kathy is our graphic artist and the changes you see for the better in NOVA's appearance are a direct result of her work. Any changes you see that you don't like, write us about them and we'll have a talk with her. Kathy's husband Mike is a graduate student in anthropology and works in the University Library.

* * * *

Since 1967, NOVA has carried six articles on a subject dear to the editor's heart, something *Texas Times* recently described in an inspired phrase as "The Unlikely Saga of UT El Paso's Bhutanese Architecture." The sixth chapter of the Saga appeared in the last issue: an at-long-last tribute to the late Percy McGhee, without doubt the most prolific and influential architect of all those who designed our campus buildings.

The News Bureau is currently in the process of compiling a new and updated version of the Saga which we hope to see published as a separate booklet. It is a subject well worth such treatment for it has never-ending appeal as can be seen in the variety of publications in which the story has appeared: the *National Geographic School Bulletin*, *The Junior Statesman* (Calcutta, India), *Kaleidoscope Magazine*, *Texas Parade*, *Texas Architect*, *Texas Times*, and most recently, *Southwest Airlines Magazine*; also, of course, in many, many newspaper stories, locally and nationally.

We need help. We would welcome any information or leads, for instance, on Mrs. Kathleen Worrell, wife of Dean Steve, first dean of the School of Mines, who had the inspiration which led to the first Bhutanese-styled buildings opening in 1917. Anyone who remembers her or anything about her would be of great assistance to us for we know virtually nothing about her, nor have we been able to find a single photograph of her.

Any details on the work of Charles Gibson and George Robertson, the architects who transformed the inspiration into the first Mines buildings, would also be welcome. Anything biographical on these two gentlemen would be invaluable to us. Also any stories, anecdotes, facts, rumors, scuttlebutt, or plain truth on the construction of the Mines-TWC-UT El Paso buildings, or the design of them, or the people involved,

would help immeasurably.

Please write us if you have some information or a suggestion as to where we might seek it out.

* * * *

Mrs. Seth L. Lobdell of Sweetwater, Texas, has written us on a dilemma we'd like to pass on to NOVA readers. Her husband lost his 1949 College of Mines & Metallurgy classring. Mrs. Lobdell wrote the manufacturer and learned the dies for it had been destroyed. She would like to know if anyone out there has a ring of the 1949 Mines era they would like to sell or any knowledge of how she might be able to replace her husband's lost ring. You can write directly to Mrs. Lobdell at 1909 Avalon, Sweetwater, TX 79556.

* * * *

And, Jerry Hoffer, professor of geological sciences, will lead a field trip to study volcanoes in Hawaii July 10-25. The trip is open to anybody interested in studying recent volcanic activity, volcano features and geothermal resources of Hawaii. The four islands of Hawaii, Maui, Kauai, and Oahu will be visited. Price of the 16-day trip including round-trip air fare via Continental Airlines, lodging and rental cars is \$650 to \$750 depending on accommodations. A \$50 deposit is required by March 15. Write or contact Dr. Hoffer direct.

—DALE L. WALKER

MARCH 1978 NOVA

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Cover: One of our "founders," Mr. Henderson VanSurdam, in a variety of poses captured by Russell Banks when Mr. VanSurdam was a visitor in our office in January.

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The Texas College of Mines teeshirt on the back cover is available for \$5 from the Student Chapter of AIME (American Institute of Mining, Metallurgical and Petroleum Engineers) at UTEP. Just send your check to the Department of Metallurgical Engineering, UTEP, El Paso, TX 79968, and indicate the size you want—S, M, or L. □

Sixty-five years ago they decided there should be a mining school out at El Paso



THE FOUNDING

On April 16, 1913, the Thirty-Third Texas Legislature, in regular session, approved Senate Bill 183, "An Act creating a State School of Mines and Metallurgy, for the purpose of teaching the scientific knowledge of mining and metallurgy in the State of Texas."

The Act came just 11 years after the first hint appeared in print that El Paso wanted a college of its own—specifically one for mining education. The *El Paso Herald*, in January, 1902, had editorialized that "Making El Paso an educational center is one of the surest ways of attracting desirable people to make their home here," and added that the city would be an ideal location for a state school of mines.

The *Herald's* little campaign was given some impetus the next year when the annual convention of the International Miners' Association was held in El Paso and member D.C. Sutton introduced a resolution stating that "this Association make every possible effort to secure the proposed school of Mines of Texas for El Paso."

Although State Representative W.W. Bridgers introduced a bill for the creation of a school of mines at El Paso, his bill was never brought to a vote, and the next event preceding the Founding occurred on July 10, 1907, when the El Paso Military Institute was chartered. EPMI opened its doors on September 3, 1908 with an enrollment of 38 and a campus of three buildings on what Francis Fugate, in his *Frontier College*, has described as "a lonely mesa in the midst of a cactus-studded plot of sand out by Fort Bliss, beyond the street-car line."

EPMI closed its doors after commencement on May 19, 1913, when the

school was placed in receivership.

We pick up the story now from *Frontier College*:

"In the meantime, interest in the school-of-mines idea had again revived, especially after the University (in Austin) declared that no more freshmen would be admitted to its 'Arrangement of Courses' after 1910. Senator Claude B. Hudspeth sponsored a bill to create a school at El Paso; it did not make the senate calendar right away, but the time to consider such a measure was getting ripe.

"Milton Everett, publicity director for the University (in Austin), was reported in the *Herald* of January 7, 1913, as suggesting that if El Paso wanted a school and would make the effort to get it, now was the time. On February 17, the *Herald* announced that Henderson E. VanSurdam, adjutant of the withering Military Institute, would speak at a Chamber of Commerce luncheon on the twentieth concerning the theory that El Paso could get a school of mines by donating the Military Institute buildings. Alternately in hope and in despair, interested El Pasoans watched the courses of house and senate bills as it was pointed out that in West Texas some 10,000,000 acres of state land needed investigation for mineral content and that the El Paso Military Institute buildings would become available. Finally, VanSurdam's efforts bore fruit. On April 16, 1913, an act creating the State School of Mines and Metallurgy became law."

But El Paso somehow had to buy EPMI before the School of Mines could move from its creation on paper to a reality. There was a revolution going on in Mexico and they were shooting

at each other in places uncomfortably close to El Paso. People were occupied with that and the newspapers were occupied with little else. The Legislature had appropriated only \$15,000 for support and maintenance of the School and EPMI's buildings and land were for sale for \$50,000. A petition, asking the county judge and commissioners to secure the EPMI property, failed to stir the necessary 5,000 people to sign it.

The Chamber of Commerce continued to move ahead, however, and on September 10, its School of Mines Committee (A. Schwartz, C.H. Finlay, and I.A. Shedd, among others) recommended that the Chamber pay the EPMI owners a sum of \$5,000 as a down payment on their land and buildings. The Chamber trustees (J.J. Mundy, O.H. Bauer, J.J. Ormsbee, Thomas O'Keeffe, H.S. Potter, Walter Kohlberg, H.B. Stevens, Felix Martinez, J.C. Wilmarth, and S.C. McCurdy) agreed.

The deal fell though when it was pointed out that the Chamber was committing itself to future expenditures on the say-so of its present directors.

The Chamber, however, would not be denied, and early in 1914, asked businessmen of El Paso to sign guarantee notes against the \$50,000 asking price for EPMI's property and buildings. On April 13, 1914, Robert Krakauer, Chamber president, announced that the goal had been reached and a roster of firms and local citizens had covered the note. The *El Paso Herald* published the story on that date under the headline: "MINE SCHOOL NOTES ARE ALL SIGNED UP NOW". The *Herald* story said that "more than 50 El Paso business men and firms" (actually there were 80) had contributed

to the fund for securing the buildings and grounds of EPML. Those who put their faith in the school and their money on the line were:

J.S. Raynolds, L.E. Booker, Felix Martinez, the Rio Grande Valley Bank, C.M. Newman, A. Courchesne, J.J. Mundy, Grand View Realty Co., Morning Side Heights Co., Popular Dry Goods Co., Neff-Stiles Co., J.H. Pollard, Fred J. Feldman, J.F. Prim, Horace B. Stevens, James G. McNary, W.L. Tooley, John M. Wyatt, American Lumber and Investment Co., Southwestern Portland Cement Co., J.O. Crockett, City National Bank, Austin & Marr, W.W. Turney, C.N. Bassett, J.A. & Robert Krakauer, C.B. Hudspeth, El Paso Milling Co., Hotel Paso del Norte, Texas Bank & Trust Co., Davis Brothers, B.L. Farrar, F.N. Hall, R.B. Orndorff, Millard Patterson, J.B. Watson, Shelton-Payne Arms Co., Mommensen, Dunneagan, Ryan Co., H. Lesinsky Co., John L. Dyer, H.E. VanSurdam, International Book & Stationery Co., J.M. Goggin, Ellis Brothers, W.T. Hixson Co., C.R. Morehead, the White House, Government Hill Co., Winchester Cooley, Houck & Dieter Co., James A. Dick Co., E.M. Bray, Everybody's Department Store, West Texas Fuel Co., W.G. Walz Co., Harry Swain, D.W. Reckhart, Fred A. Elliott, Trost & Trost, Dr. H.E. Stevenson, Zach L. Cobb, Guarantee Shoe Co., J.B. Brady, A.W. Reeves, J.C. Wilmarth, H.D. Slater, H.R. McClintock, El Paso Optical Co., Scott White Co., R.F. Burges, C.F. Pickrell, Broadus & LeBaron, A.P. Coles, C.B. Stevens, J.W. Lorentzen, H.L. Newman, Jr., R.L. Ramey, Donald B. Gillies, and the Otto P. Kroeger Co.

This, briefly, recounts our founding 65 years ago and these El Paso citizens and business firms are our founders. For a visit with one of them, Mr. Henderson E. VanSurdam, please read on. □

The University will hold a 65th Anniversary Reception in the Conquistador Lounge, Union Building, 3-5 p.m. Sunday, April 16, 1978. Union Director Jack Baker is making the plans with Jim Peak, Director of Development. There will be a huge orange and white cake with 65 candles, punch and coffee to drink.

Everyone is invited. Come and help us celebrate our 65th birthday!

Senate Bill 183
Thirty-Third Legislature, Regular Session
April 16, 1913

An Act creating a State School of Mines and Metallurgy, for the purpose of teaching the scientific knowledge of mining and metallurgy in the State of Texas, to the end that the mineral wealth, oil, etc., may be developed upon the State school lands of this State, and declaring an emergency.

SECTION 1. A School of Miners (Mines) and Metallurgy is hereby created for the State of Texas; said to be located and established in or near the City of El Paso provided citizens of the City of El Paso shall make and execute unto the State of Texas a deed to the tract of land comprising twenty-one acres of land, more or less, now comprised in the reservation of the El Paso Military Institute, adjacent to the Fort Bliss Military Reservation, together with the buildings and improvements thereon situated, to be used for the site and exclusive occupancy of said school. Said school shall be under the supervision of the Board of Regents of the University of the State of Texas and the faculty of said school shall be appointed by the Board of Regents of the University of Texas within ninety days after this Act shall take effect, and such appointees shall hold their positions for a term of two years and until their successors are appointed and qualified.

SECTION 2. The principal purpose of said school of miners (Mines) shall be to teach such branches in mining and metallurgy as will give a thorough technical knowledge of mines and mining, and all subjects pertaining thereto, including physics and mining, engineering, mathematics, chemistry, geology, minerology, metallurgy, the subject of shop work and draining, drawing, the technical knowledge of properties of mine gases, assaying, surveying, drafting of maps and plans, and such other subjects pertaining to mining engineering as may add to the safety and economical operation of miners (mines) within this State.

SECTION 3. The School of Miners (Mines) and Metallurgy herein provided for, shall have a separate and distinct faculty.

SECTION 4. The faculty of the School of Miners (Mines) and Metallurgy shall have the power, under the direction of the Board of Regents herein provided, to confer degrees and issue diplomas and fix standard of grades for all students attending said school of miners (mines) and the faculty will also have the power to make such rules and regulations for the proper control and management of the school as they may deem necessary.

SECTION 5. The School of Miners (Mines) and Metallurgy shall have regular courses leading to degrees, and such other special courses as the faculty may deem necessary. The regular course shall extend over a period of two years.

SECTION 7. At the close of each school year the Board of Regents shall require the faculty of said school to make a report to them of the workings and progress of said school, and the Board of Regents in turn shall make a report to the Governor in detail, exhibiting the progress, condition and wants of the several departments of instruction in said school. The course of study in each and the number of names of the officers and students, the amount of receipts and disbursements, together with the nature, cost and results of all important experiments and investigations, and such other matters, including special industrial and economical statistics as may be thought useful. The Board of Regents shall cause the same to be printed for the use of the Legislature and the people of the State, and shall cause one copy of same to be transmitted by mail to the Secretary of the Interior and one copy to the Commissioner of Labor at Washington City, and one copy to the Commissioner of Labor and Chief Mine Inspector of the State.

SECTION 8. The Board of Regents as herein provided shall fix the terms and tuition to be charged students in this school, and all moneys received from said tuition as or in any way from said school, over and above the necessary for the actual maintenance and carrying on of said school shall be returned to the State Treasury to reimburse the State for the appropriation now made.

SECTION 9. For the purpose of putting this school in operation there is hereby appropriated out of any money in the State Treasury, not otherwise appropriated, the sum of fifteen thousand dollars for the use and benefit of said School of Miners (Mines) and Metallurgy, and the State Comptroller is hereby empowered, authorized and directed to issue warrants upon the State Treasury to the State Treasurer for the payment of the sum herein appropriated to the said Board of Regents, herein created for the location, support and maintenance of said School of Miners (Mines) and Metallurgy.

Approved April 16, 1913. □

A nonagenarian charmer from Hoosick Falls, N.Y., Harry VanSurdam raised the money that launched us. Here is a visit with:



THE FOUNDER

by Nancy Hamilton

“Now at 96, I consider this University my monument to education, which pleases me probably more than anything else that has happened in my life. I am leaving something worthwhile; no money, I don’t have it, but I can’t ask for anything greater than this one thing.”

The speaker settled back in a chair in the NOVA office and smiled reflectively. He was immaculately dressed with neatly trimmed white hair, a picture of health with rosy cheeks and smiling blue eyes.

His name, Henderson E. VanSurdam, is not on any buildings at UT El Paso, but figures largely in the lobbying and fund-raising that brought the school into being.

“I figure I’m one of the founders, if not THE founder of UT El Paso,” he adds.

Although he is short in stature, he belies the image of a frail nonagenarian. He was a record-setting football player in college days, a football coach, a game official for some 40 years, and the dean of football columnists, having started in that sideline in 1930.

He was admitted to the National Football Hall of Fame in 1972.

He was born in Hoosick Falls, New York, on September 28, 1881, the same year the railroads came to El Paso. A talented clarinetist, he won a music scholarship to Michigan Military Academy. His parents would not allow him to play football in high school, fearing he might break his musical fingers. Upon entering Wesleyan, he made captain of the freshman football team and played varsity the next three years. He returned after graduation in 1905 to play another year — while studying chemistry — in order to fulfill his father’s wish that Wesleyan might beat its long-time rival, Williams.

He became sub-All American quarterback, was named twice to the All-Northeast team and was sub-All American on Walter Camp’s team. In the game he helped win against Williams, he caught a punt and ran 90 yards for a touchdown. “And that stands in the record book today,” he says. “When I go back to Wesleyan they invariably refer to that 1905 runback.”

In 1906 he began coaching at Marietta, Ohio, where he developed the forward pass. “I am credited with inventing it, but I think that credit should go to the team,” he explains modestly.

“In my first game with the Ohio Medics, we lost by a field goal, 4-0. In the first play of that game we used a forward pass but it was called back. I don’t know why to this day. In 1906 you had to be back five yards when you threw it. I began to study a way to make a forward pass they could not possibly rule out. After three weeks it began to come alive. I would put my best forward passer in a box 12 yards back and then the fastest man I had on the team was put on end, to be sure we had the right balance on the ends. When this part of the play came, the ball went to the quarterback who waited two seconds, then tossed it to the man in the pocket. We played with a big ball then, more like a pumpkin than a football. He would take it in his hands and run up as far as he could and throw. He threw 52 yards and the runner got within a few yards of the goal, caught it over his shoulder, and made a touchdown. That record was not equalled until 1920 and by then they had a ball they could throw like a baseball.”

In 1909 VanSurdam moved to El Paso to be director of athletics at the El Paso Military Institute, located at Fort Bliss. The Institute had opened on September 3, 1908, with 38 students. Besides heading the athletics program, VanSurdam taught two subjects. The following year he became superintendent of the school. El Paso's population then was 20,000, and a trolley car took a half hour to travel from the military post to the nearby town.

"Everything in the form of athletics then centered around El Paso High School," he recalls. "We were basketball champs in 1911 and won a plaque that is still here somewhere in El Paso. I gave it to the son of Bob Hoover who was the star on the team. We defeated the school at Las Cruces—A&M—and the High School, the YMCA, and Fort Bliss. In the same year our football team was augmented with seven scholarships that came down from the East, mainly through the efforts of the football coach at Lehigh. In that year we played Arizona. They won 7-0, and it was the only game we lost. We tied Las Cruces and beat the University of New Mexico 11-0. Now the High School was not in our class. Of that team, one who was not on scholarship from the East was Wayne Chenoweth, who was born in El Paso. He was the main star not only in football but on the basketball team. All those men went to Lehigh and Chenoweth proved to be probably the greatest halfback who ever played there. Lehigh won the championship in the Second Division."

In 1912 the Military Institute began losing students. The influx of refugees from revolution-torn Mexico was influencing the enrollment; many of the students were sons of mining engineers who worked in Mexico and were fleeing to the United States, penniless and jobless.

VanSurdam saw the decline in the Institute, however, as an opportunity for something greater for El Paso: the establishing of a state school. He approached his board of directors, a group of men influential in the community. Those he remembers best as involved in the project were J.J. Mundy, Charles Newman, Felix Martinez and Horace B. Stevens.

"I got permission from them to see what I could do to get the state to take over the El Paso Military Institute, with a gift of the entire property of 22 acres and two buildings. They said to go ahead. We got a lawyer to introduce a bill which would do just that. Then when it was passed, the governor would not sign it and it became law without his signature. It became immediately necessary to raise \$50,000 to pay for the land and buildings we had promised to give the state, so we went out and

raised that sum among 20,000 people. Then the Texas State School of Mines became a reality in 1913."

During his period as a lobbyist for the new State School, VanSurdam left teaching and resumed his musical interests. When Hotel Paso del Norte opened in 1912 as the most splendid hotel for hundreds of miles around, VanSurdam furnished a six-piece orchestra for the gala event. He led a four-piece orchestra that played regularly at the hotel in its early years, earning the remarkable sum of \$200 a week, which he figures would equal four or five times that amount in today's economy.

Having the nucleus of a good orchestra, in 1913 he organized a symphony of about 35 players, top musicians he knew from El Paso and Juarez. In January 1914, they performed a concert in the Christian Church, featuring as soloist Francis Moore, an El Pasoan who gained an international reputation as a concert pianist and composer. "I stood on a cracker barrel that we covered over with a rug," recalled the conductor. One of the best-received works performed by that orchestra, he says, was Schubert's Unfinished Symphony.

. . . It became necessary to raise \$50,000 . . . so we went out and raised that sum among 20,000 people.

In later years, VanSurdam returned to hear performances by the El Paso Symphony which once played a special arrangement of his composition, "I Now Confess," a love song. He also served as clarinet soloist in a number of orchestras, and was an accomplished organist and vocalist as well.

He was past draft age when World War I erupted but signed up and was trained to be a balloon observer. "That was some of the hardest work I ever had to do, about the equivalent of earning a college degree, and all in 13 weeks," he said. He still wears a beret that proudly displays the wings of the balloon observers' group.

"You know," he added, "whenever I get together with a bunch of veterans of World War I, I'm always at least ten years older than the rest of them."

Besides coaching, he served as a football official for "the better part of 40 years." He has been an enthusiastic supporter of the Sun Bowl since its first game in 1935 and officiated at the games of 1939, 1940 and 1941. He has been a regular at the Cotton Bowl since 1970 and missed this year's Sun Bowl because of the Dallas classic. "As I have traveled around, I have made it a point to

emphasize the fact that the Sun Bowl preceded the Cotton Bowl. It came right after the Sugar Bowl—then the Sun Bowl, the Cotton Bowl and the Orange Bowl. Those four really dominated the game 'way back. When anybody says anything about bowl games, I say, 'Don't forget that the Sun Bowl was in there among the first!'"

VanSurdam says he is constantly "trying to get people to understand the value of El Paso athletically and otherwise." He considers the city his second home.

He moved back to Hoosick Falls, his childhood home, only in recent years. Much of his time is spent visiting bowl games and meetings related to his interests in sports and music. He is a 52-year member of the Football Coaches Association and usually attends the Coach of the Year event. He will miss it this year, however, in favor of spending several weeks in California.

His "innate ability to predict scores" led to another sideline—writing a weekly column for the Hoosick Falls *Standard Press* and the *Washington County Post* since 1930. The editor approached him to write the column

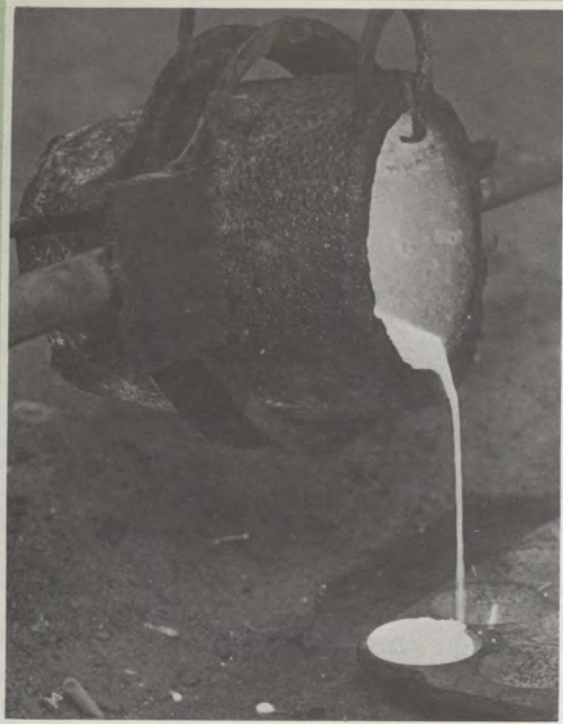
because of his gift for picking winners (he picked Stanford for this year's Sun Bowl). "We didn't have nearly so many games back then. Before I left Hoosick Falls on this trip, they would stop me on the street and ask about my predictions about the Super Bowl. I think Dallas will win by at least one touchdown, but I think it will be a good game because Denver has a young team."

After the bowl games this year, his choices for top five in the nation were Alabama, Notre Dame, Arkansas, Penn State and Pittsburgh, not necessarily in that order.

Among his many honors was the Helms Award for completing 70 years of activity in football. He helped organize the Touchdown Clubs of New York City and Washington.

His friends and family call him Harry, and the accent in his name is on the last syllable—VanSurDAM.

"I want to come back for another Sun Bowl game," he said as he ended his visit to the campus. "I don't know whether I'll still be alive next year, but if I am, I surely would like to come back for another Sun Bowl game and a visit to this wonderful University." □



Metallurgy is old.
At UT El Paso it is the oldest.

THE FOUNDRY

by Steven Kunert

“**M**etallurgist is the second oldest profession when you come right down to it,” claims Walter Roser. “The alchemist was the forerunner of the metallurgist.”

At UT El Paso, where Dr. Roser heads the Department of Metallurgical Engineering, metallurgy is the senior department—an integral part, even of the name, of the old School of Mines. Sixty-five years ago, the Thirty-third legislature of Texas approved the establishment of the Texas State School of Mines and Metallurgy in El Paso. Although a Mining Engineering degree is no longer offered, Metallurgical Engineering still thrives, and UT El Paso’s remains the only department of metallurgy in Texas.

Classes opened to 27 students on September 23, 1915. A professor of mining and metallurgy, Steven Howard Worrell, was the first dean of the school which offered a three year course of study leading to the degree of Mining Engineer. Shorter courses granted certificates for qualified Mine Foremen or Pit Bosses.

In 1923, Dean Worrell departed, handing the reins over to John W. “Cap” Kidd, a professor of Engineering. The College’s enrollment now totaled about 100 students, and one of those who entered in 1922, Eugene M. Thomas, would leave a lasting imprint on the school.

After graduating from the College of Mines in 1926, Eugene Thomas worked for the Chisos Mining Company in Big Bend, Texas, through 1929, then joined the El Paso City Engineering Department. In 1930, he became an assistant professor of mining at his alma mater. Except for a brief leave of absence in 1938-39, when he obtained a Master’s

degree in process metallurgy from the Massachusetts Institute of Technology, Thomas taught at the College of Mines and later Texas Western College until 1967.

Still residing in El Paso, Thomas has many fond recollections of his early years at the school, both as student and as teacher.

“We were all a little crazy,” he says of his classmates and teaching colleagues, “but you got to be a good engineer whether it be mining, civil or metallurgical engineering. Mining engineers went everywhere. The only real shortage was in electrical engineering—we only had one electrical engineer-

ing course—but it was amazing how our mining engineers spread out into all the fields you’ve ever heard of in your life,—petroleum, most anything you can name.”

Thomas cites Ambassador Joseph Friedkin, head of the International Boundary and Water Commission, as a mining engineer who became successful in another field.

“Another one of our people is now chief engineer for the Southern Pacific Lines,” says the former dean.

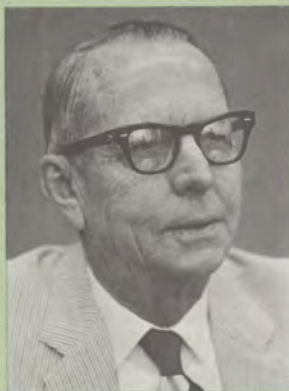
When Cap Kidd died in 1941, Thomas became Dean of Mines and Engineering, a position he held until 1963. Early on, besides holding down the deanship



Dr. Juan Herrera, assistant professor of Metallurgical Engineering, stirring a crucible full of molten copper.

Metallurgical Engineering junior student Gerald Moscoe works in "the pit."

Dean Thomas



and teaching, he became superintendent of building and grounds: "Everytime a toilet got stuck they called me."

Thomas went from bathroom repairs to acting president of the College, September through December in 1948.

"But they decided I should be called something other than acting president," says Thomas, "so they called me Ad Interim President. I used to say I was the only 'odd' president the College ever had, but I've changed my mind."

The change of name from College of Mines to Texas Western College in 1949 did not please Thomas. "The students who graduated under the old name are extremely proud of it," he says.

Dean Thomas admits that he had the reputation as a rough, tough teacher and administrator. "They would say I was mean, but fair. And what that added up to was that I was mean to everybody. If I didn't think a student could make it in engineering I'd tell him to try something else."

Nineteen-sixty-three proved to be the most disappointing year for Dean Thomas. The Board of Regents abolished the schools of Engineering dealing with Mining and Mining-Geology, effective in two years.

"I stayed until we graduated all our mining students," he recalls. "Then I started teaching in the Metallurgy Department. But I was mad about ninety percent of the time. So I resigned on February 1, 1967, at the age of 62."

Dean Thomas looks back with satis-

faction on his years of service. "Since I quit in '67 there have been six or seven Deans of Engineering, so maybe I wasn't too far off in what I was doing in my 21 years. And it's very satisfying to see my former students accomplishing things."

Dr. Walter Roser is one of those students. The graduate of Texas Western earned a Ph.D. from the University of Arizona, and as Metallurgical Engineering chairman at UT El Paso, he points out that the goal of his department is to provide a well-rounded knowledge for the student in the three broad categories of Metallurgy. The first, Extractive Metallurgy, deals with the extraction of metal from ore. The second, Process Metallurgy, takes in the refining, shaping and manufacturing of primary metals, as well as the fabrication of metals into shapes. Finally, Physical Metallurgy is the study of the properties of metals.

"Normally, students don't know where they'll go to work after they graduate," says Dr. Roser. "So we give them a broad education to give them the widest possible choice."

Dr. Roser emphasizes, however, that metallurgists do get jobs. Where? "Damn near anyplace," he says, adding such company names as ASARCO, El Paso Natural Gas, and Dow Chemical. Dr. Roser says that anywhere metals are involved metallurgists perform important functions. Many work as "metals specialists" who determine what kinds of metals should be used for certain

items. For instance, such a specialist would advise an aircraft maker on what kinds of materials to be used. Others are concerned with "failure analysis," the study of what went wrong with a metal—a broken pipeline, for example. Another common function of the metallurgist is working with the conversion of ores into metal.

According to Metallurgy professor, Dr. Steve Stafford, another graduate of UTEP, only about 2% of the students who obtain a degree in Metallurgical Engineering in the U.S. do not receive a job in that field.

"Even our worst students get work," contends Dr. Stafford.

One reason for the high employment rate may be that there are few metallurgists coming out of American colleges. There are, in fact, very few institutions in the country offering a degree in Metallurgy. And at UTEP, where a Master's degree can be achieved, Metallurgy has the lowest enrollment, with about 150 students, of the four Engineering Departments.

"There's never been a great number of students in Metallurgical Engineering," Dr. Roser says. "Probably because no one can spell it. But mostly it's because it doesn't have a lot of glamour, or many folks just don't know it exists."

Dr. Stafford, who visits high schools for the purpose of recruiting students into Metallurgy, says "They give me some funny looks when I say 'Metallurgical Engineering,'" but he says, "after a slide show presentation and information about job availability, we get a few people interested."

Dr. Stafford feels the small classes, along with the great facilities of the new Engineering-Science Complex, benefit the students. The department owns two expensive electron microscopes and possesses an abundance of tools, machinery and space.

"What's nice," says Dr. Stafford, "is that there are two aspects to Metallurgy. The student can work upstairs with expensive, highly sophisticated equipment or they can go downstairs and work in the 'pit.'" The "pit" is a large work room where students can melt, cast and weld, while working on class projects.

Although Metallurgy may lack some of the sparkle and glitter associated with other types of engineering, Walter Roser is confident the future of the "metal man" is assured: "Technology depends on metallurgists. Where would we be without bronze, without iron? Technological advancements depend a great deal upon advancements in metal materials. They couldn't get too far without us." □

Steven Kunert is a junior UTEP student majoring in creative writing.

by Elroy Bode

PLACES

There are certain places encountered in childhood that are best left unexplored, unknown, so they can remain one's personal Everests, shrouded in mists.

I am talking of those half-glimpsed houses, buildings, pastures, towns—quite ordinary sights and scenes—that a child happens to notice from a car window on family outings. Whether they are seen once or a hundred times does not matter; they are remembered. They remain preserved in a special ambiance of memory, hinting at curious depths and mysteries. The stone archway of a ranchhouse porch, a dirt road curving through prickly pear, a rust-stained water tank hidden among oaks—such unspectacular features of a landscape assume mythic proportions in one's mind. They loom like answers to important questions that are never quite asked.

For over thirty years I have thought, off and on, of a wooden church near Fredericksburg. I have seen it in all weathers, usually on Sunday trips from Kerrville to Austin: a Lutheran church for German farm families, a gray, narrow, austere wooden building set among trees . . . Out of all the churches I have seen, why has this one persisted in my consciousness so long? Is it mainly that serene stretch of highway I am aware of—that gently curving hill country road with peach orchards and hay fields on either side and the meandering Pedernales River always somewhere nearby: with stone farmhouses a hundred years old still standing, still lived in by descendants of the farmers who first built them? Is it the contrast of the warm-toned, Breughel-like country-side—deer grazing in the pastures, sun bright on the green fields—and the severe, single-spired church on its aloof

little rise of ground? Is it that the traditional shape and purpose of the church not only seems out of place but is, indeed, less important than the post oaks, the barns, the windmills, the fireplaces of the Steinfelds and Kounzes and Bierschwales who worship there—that is, less *godly* than those fields and barns? Or is it something else: mere curiosity about those unseen German families who come each Sunday to a church-among-trees: who disappear solemnly through that narrow doorway and reappear—purged—an hour later into sun and shadow: who need a stern Sunday focus, a formal churchliness, to add proper weight to their lives?

I have thought, too, of a green-trimmed, two-storied white house at Castell, up above Mason. My father was born on a farm near there and one Sunday, on a visit to relatives, my family drove by. A gas station-post office and the house—that was Castell: half-a-handful of buildings above the Llano River on a pleasant June day, nothing more.

But what a house it seemed to be, with its wrap-around, bannistered porch, towering pecan trees, wide green yard without fences, huge garden: a bright, sun-bathed house with second-story window curtains moving in the noon air and rocking chairs sitting on the porch and children racing in the pecan tree shade: a house seen leisurely but only once as our car eased down the slope toward the low-water bridge over the Llano. Fixed there on its breeze-swept hill, the Castell-house has gradually become for me a blur of fact and fancy—a Thomas Mann creation, country home of the BUDDENBROOKS, where girls in straw hats and summer dresses pack picnic baskets and swing down familiar trails to shaded grasses bordering the Llano: where families gather in 19th century leisure and innocence for Sunday dinner, the men smoking cigars on the porch, the children chasing one another, the women putting heaping platters on the dining table . . .

They are timeless, these places—dreamlike, yet indestructible. They are, quite simply, friezes: intrusions of immortality into the random flow of daily life. They should not matter, but they do. And, once perceived, they glow, stubbornly, like hoarded treasures, in the attic of the mind. □

IN PENNEY'S

I am in Penney's store, wandering among the counters and racks looking for a shirt or maybe two. Usually I detest shopping—dislike taking the time to try on pants, belts, shoes: begrudge each second spent in selecting and rejecting, in going into small enclosures and attempting to take off my pants without taking off my shoes—but in Penney's, well, that's another matter. I rather like the feel of the place. (This is the downtown store in El Paso that I'm talking about—the Penney's that is almost without a single Anglo face, the one that is dependent on brown-skinned shoppers from South El Paso and Juarez.)

So there I am, you see, poking among the \$4.99 specials, looking for a 15½ neck among the pile of left-over 14's, needing to buy a couple of short-sleeved shirts to teach in (the shirts in my closet having been washed and ironed so often—having finally become so dramatically soft and porous—it is like wearing Kleenex).

I notice a clerk at a mid-floor cash register. She rings up a sale, calls out a pleasantry to another clerk across the way, starts down the aisle toward me—a Mexican American woman in her mid-thirties, I would say, somewhat short, somewhat fleshy, a bit tired looking at 5:45 on a Thursday afternoon but still smiling—definitely one of the good smilers of the world—strongly lipsticked, teeth shining, nice friendly wrinkles about her mouth and eyes.

We are standing next to one another under the brightly lit Penney's ceiling, this stranger and I, and at first the issue before us is, quite clearly, shirts. Yet as I continue to look

through the stacks of Towncraft specials I find that I am suddenly more concerned with . . . well, with *us*: this woman and me: with the fact that I will say my words about sizes and colors and prices and she will say her dutiful saleswoman words in response; that we will stand next to one another for a brief slice of eternity and act out our roles as Customer and Clerk, Anglo and Mexican American; that we will look at shirts and talk about shirts and act concerned about shirts and will not dare break the brittle glass of social convention that surrounds us.

(. . . She has, by God, a name, a self, a past; she is in the midst of life, breathing—and growing older with every breath; she is a wife, perhaps, a mother, a lover, a daughter. She is there, with lines at the corners of her eyes, and I am here, with fillings in my teeth, and yet we are not; it will be as if we never stood side by side one afternoon in Penney's store. The world will not record this random and inconsequential moment beside the specials' counter.)

Still smiling, she is asking How about long sleeves? but I am only half-listening. I am watching her brown fingers pick among the cellophane wrappers as she looks for the elusive 15½ blues and whites. She is smiling and I finally have two shirts in my hand and I am paying her for them and that is it: the moment, the contact, the brief interchange, has ended. I have my two shirts to teach in and am heading toward the door. She has turned back to the other clerk across the way, calling out, her hair shining in the fluorescent glare. Nothing has happened; we have never met. □



The HOLDOUT

by Tony Stafford

Prologue: The play opens on the afternoon of the first exhibition game of the pro football season. In a little bar in Washington, D.C., Billy Ray Barron, starting fullback for the Washington Redskins, and his date Susan Hall, watch the Redskins game on television. Billy is not playing because his father, who helped him negotiate his original contract, has unexpectedly arrived in Washington and has persuaded Billy not to report to pre-season practice. Mr. Barron is certain he can negotiate a better contract than the one offered by the Redskins' management. It is not, however, an opportune time for Billy to "hold out" on his contract for the Redskins have just drafted an All-American fullback, Ira Wheeler. Billy and

his father are at first confident that Wheeler, who has no pro experience, is no threat, but as the game progresses it becomes increasingly clear that the rookie fullback is playing a sensational first game. With this realization, Billy begins to reconsider the past and confront some unpleasant facts about it—about the way his father has forced him to play football all his life and belittled Billy's interests in other things, about the way his mother failed to help him, about his own responsibility for his failings, and about his uncertain future. Under the influence of a female sports reporter, Casey Newman, who has seen some of Billy's drawings in his apartment, Billy begins to wonder about his potential as an artist, as well as about

the nature of Casey's interest in him.

At the end of the game, Billy's father, who tried unsuccessfully at the stadium to get into the owners' box, comes to the bar to fetch Billy. They go to the office of Buddy Ferris, one of the Redskins' owners, to work out the best contract they can get for Billy Ray Barron.

The following is the scene in Ferris' office.

(Light changes to apartment light; Ferris is standing there, looking off; Pop and Billy stop in apartment area.)

FERRIS: Mr. Barron, I like to be left alone after a game.

POP: I really don't think this will take very long, Mr. Ferris.

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Gift Report '77



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ALUMINUM AND GLASS
John T. Kelly, Chairman

The Alumni Fund for Excellence completed its 15th successful year with total contributions which exceed \$122,000. This is the first time that alumni class donors have exceeded the magic \$100,000 figure. The class report shows a broad base of support from all graduating classes and a one-time special gift from a member of the class of 1958.

<p>1972 Fifty gifts totaling \$978.</p>	<p>1973 Forty-nine gifts totaling \$928.</p>	<p>1974 Forty gifts totaling \$1,180.</p>
<p>1975 Thirty-three gifts totaling \$399.</p>	<p>1976 Thirteen gifts totaling \$246.</p>	<p>1977 Three gifts totaling \$40.</p>

Gift Report '77

GLASS REPORT

1917-1935
Mr. Stephen DeGroat,
Chairman. Fifty gifts
totaling \$8,259.

1939
Twenty-six gifts totaling
\$1,152.

1936
Mr. Thomas Ellison Loti, Chairman. Eight
gifts totaling \$226.

1940
Mrs. Thomas (Peggy) Loti, Chairperson. Thirty-
three gifts totaling \$1,940.

1937
Twelve gifts totaling \$1,430.

1941
Fourteen gifts totaling \$540.

1938
Fifteen gifts totaling \$485.

1942
Thirty-three gifts totaling \$2,362.

1943
Mrs. Robert (Hazel)
Haynsworth and Mr.
Robert Schumaker,
Chairpeople. Thirty
gifts totaling \$640.

1944
Nine gifts totaling \$145.

1945
Eleven gifts totaling \$630.

1946
Nineteen gifts totaling \$1,805.

1947
Mr. Al O'Leary and Mrs.
Weyman (Gretchen)
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Twenty-six gifts totaling
\$1,437.

1948
Mr. Conrado Ramirez and Mr. Homer L. Dale, Jr.,
Chairpeople. Forty-eight gifts totaling \$2,195.

1949
Mr. Robert Parsons, Jr. and Mrs. Wm. (Charlotte)
Stitt, Chairpeople. Seventy-nine gifts
totaling \$3,078.

1950
Mr. and Mrs. James D. DeGroat, Chairpeople.
Seventy-nine gifts totaling \$2,102.

1951
Mrs. Mona Hudson and Mr. C. Ben Olney, Chair-
people. Sixty-nine gifts totaling \$1,909.

1952
Mrs. Dora Edmondson
and Mr. Robert Winters,
Chairpeople. Forty-
eight gifts totaling
\$1,730.

1953
Mr. Richard E.
Wykebust and Mrs.
Robert Heasley, Chair-
people. Fifty-five gifts
totaling \$1,986.

1954
Dr. Lola B. Dawkins and Mr. Gene Ray Lewis, Chair-
people. Sixty-six gifts totaling \$2,528.

1955
Mr. Walt Hyatt, Chair-
man. Fifty-eight gifts
totaling \$2,131.

1956
Mr. Horace Chavez
and Mrs. Horace
(Gloria) Wright, Chair-
people. Fifty-one gifts
totaling \$2,709.

1957
Mr. Carlos Escobar and
Mrs. Robert (Cookie)
Mapula, Chairpeople.
Sixty-four gifts totaling
\$2,906.

1958
Mr. Hector Holguin and
Mr. Humberto Sam-
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Sixty-six gifts totaling
\$29,275.

1959
Mr. Don Leslie, Chairman. Forty-eight gifts totaling
\$1,472.

1960
Mrs. Richard Pearson and Mr. W. L. McDaniel,
Chairpeople. Fifty-six gifts totaling \$1,187.

1961
Mr. Ron McDaniel and
Mr. Jack Weeks, Chair-
people. Sixty gifts
totaling \$1,856.

1962
Mr. Henry Pettig and
Mr. Dale Walker, Chair-
people. Seventy gifts
totaling \$8,675.

1963
Mr. Robert Taboada and Mrs. Cole (Carol)
Holderman, Chairpeople. Eighty-two gifts totaling
\$2,082.

1964
Dr. John Navarrete, Jr. and Mr. Walt Cross,
Chairpeople. Seventy-nine gifts totaling \$1,793.

1965
Mr. Tony Pearson and Mrs. Gail Parker, Chairpeople.
Eighty-five gifts totaling \$2,444.

1966
Mr. Mike Wieland and Mrs. Gail Howous, Chairpeople.
Eighty-two gifts totaling \$1,956.

1968
Mr. and Mrs. Rod Champney, Chairpeople.
Seventy-six gifts totaling \$1,441.

1967
Mr. John Best and Mr. Harry L. Zimmer, Chairpeople.
Sixty-eight gifts totaling \$1,429.

Mascot Clocks For Miner Fans.

Official Miner clocks with "Paydirt Pete" marching confidently across their face, are now being sponsored by your Alumni Association. They are handcrafted from elegant, textured fabrics and trimmed in leatherette. "Paydirt Pete" is airbrushed in bright colors on raised flock-on-felt.

These clocks are duplicates of those you will find in the offices of Head Basketball Coach Don Haskins and Head Football Coach Bill Michael. They are guaranteed for one full year and are highly accurate with quality battery movements.

Order your clock (and specify which of the two you want) at \$29.50 each and

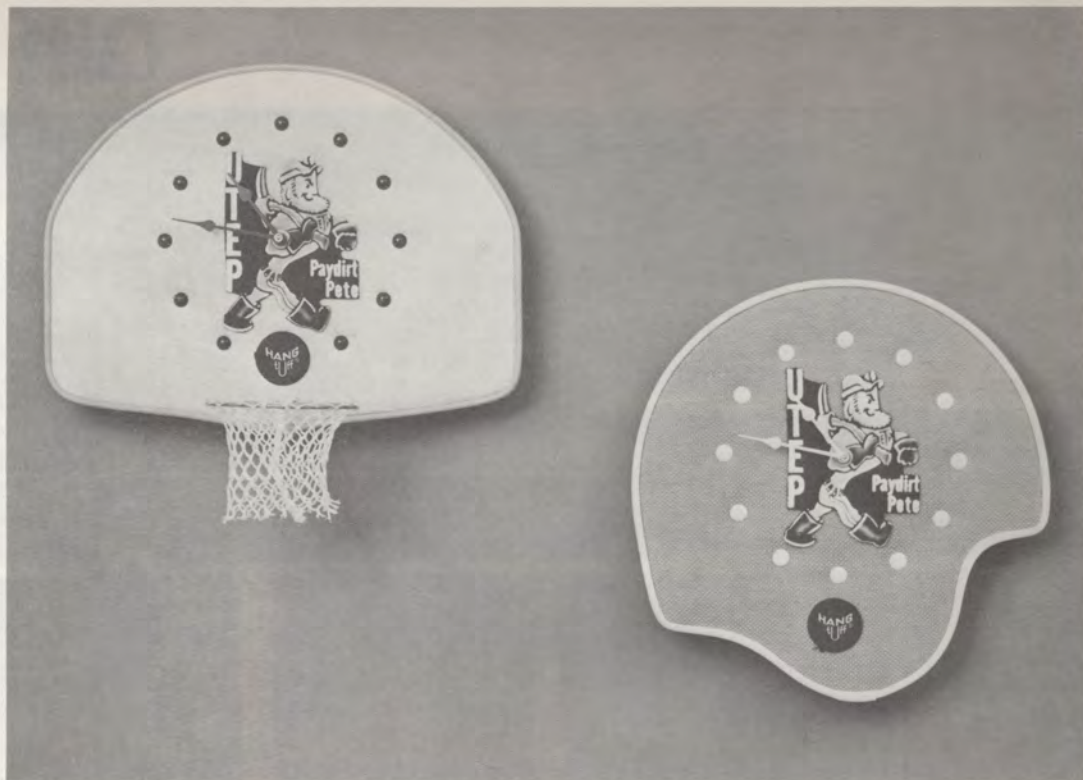
You can have either the Miner Football Fan clock in the shape of a football helmet, or the Miner Basketball clock which has a miniature hoop and net at the bottom. Save the balled-up paper you intended to pelt the officials with and test your skill!

Make your checks payable to the UTEP Alumni

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Send your check or money order to:

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The University of Texas
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Get Going On The Great Getaway.

This is the year of the Great Getaway.

The University of Texas at El Paso Alumni Association is sponsoring a series of three tours, selected on the basis of a questionnaire to ex-students several months ago.

Coming up are a trip to Europe June 30-July 21, a Caribbean cruise July 15-21, and a Hawaiian holiday November 2-9. During the Hawaiian trip, Miners fans will cheer their team at the football game against the University of Hawaii.

Ron McDaniel, Alumni Association president, said the questionnaire sent out last year asked what kinds of trips exes would be most interested in. "They preferred three — overseas,

cruises, and trips to see the Miners play football," he said. "So our 1978 Great Getaway is offering all three types of trips."

The tours are being offered in cooperation with two other Texas Universities, North Texas State and Southwestern. "Many alumni associations sponsor group tours," McDaniel explained, "but they fail to be able to produce the tours because not enough people sign up. By cooperating with two other universities, we have more assurance that we can make each tour a success."

The project is a non-profit effort, McDaniel said, planned as a convenience for alumni, faculty, staff and friends of the University.

The Alumni Association early this year mailed information about the tours to 20,000 ex-students. Those who indicated interest in the tours were asked to return

a form to the Alumni Office on campus. That office then forwarded their requests for information to Vanguard Tours of Dallas which will coordinate the trips.

McDaniel said alumni also are asked to let the Alumni Office know about what trips they would like to take in 1979. "In the hope that the 1978 tours are successful, we want to be prepared to offer what our people would like to have in the way of tours next year, too."

Two land tour packages are available for the European trip, both priced at \$1,699 per person (double occupancy). Plan 1 takes travelers to France, Switzerland, Germany, Austria, Holland and England. Plan 2 goes to England, Holland, Germany, Switzerland, Italy and France. For persons interested only in flying over at the group rate, the air fare is \$449. Departure is from Dallas-Fort Worth June

30, returning July 21. The tour price includes air fare, hotels, transportation and most meals. Reservation deadline is May 1 and space is limited.

The summer cruise will depart Dallas-Fort Worth or Houston, with the itinerary including a visit to Miami and the Outer Islands of the Caribbean. Prices had not yet been announced at the time NOVA went to press.

The Hawaii trip departs Dallas-Fort Worth November 2, returning the ninth. The price per person (double occupancy) is \$569. Deadline for reservations is October 8.

"We hope our alumni will take advantage of this opportunity to make the Great Getaway," said McDaniel. "This is a wonderful chance to travel to interesting places with compatible people for a holiday you'll never forget."

(From page 8)

FERRIS (turns): I have a lot of things on my mind this time of year and a great deal of work.

POP: Maybe we can help you solve at least one of your problems. Please sit down, Mr. Ferris.

BILLY: How are you Buddy? (Ferris and Pop sit.)

POP: I s'pose you're very pleased with Wheeler's performance this afternoon.

FERRIS: We believe he has the potential to be a good one.

BILLY: What did Keller thank of gittin sacked four times in one game?

FERRIS: Blocking is something that can be learned—running isn't.

BILLY: I thank his stride's too short.

POP: The point is, Mr. Ferris—one exhibition game don't mean all that much.

FERRIS: We're being extremely cautious about Wheeler.

POP: Didn't I tell you Buddy Ferris wuz a sharp cookie, Billy?

BILLY: You sure did, Pop.

POP: And we're bein realistic also, Mr. Ferris. We know that what Wheeler did today affected our position some and we're smart enough to know that we're gonna have to make a few concessions at this point. But I also know you cain't put all your hopes on Wheeler.

FERRIS: We're not going to.

POP: So—we're here to tell you that we're willin to drop some of the fringe benefits and that we'll sign today—here on the spot—fur jest a little more salary.

FERRIS: Mr. Barron—I'm afraid Washington can't use Billy any more.

POP (beat, then to Billy): What'd I tell you Billy—got a head on his shoulders. (To Ferris, jokingly slaps him on the knee): You're a hard bargainer—I respect that. It ain't to our likin—but I tell you what we'll do—jest to git this thang settled—we'll sign the contract with the thousand dollar raise.

FERRIS: Mr. Barron, if you'll notice, that contract had to be signed by a certain date in order to be effective.

POP: I didn't notice that.

FERRIS: You can burn that one too if you like.

POP (to Billy): Boy—he is tough, ain't he? (To Ferris): I ain't sure your position is all that strong—but okay—all we want is fur Billy to git out there and have a good exhibition season. So, we'll just go back to the original contract—if you've still got a copy, we'll—

FERRIS: Mr. Barron, you don't understand—it's past that point.

POP: Now Mr. Ferris—I wish you'd be reasonable—I'm tryin to make a few concessions—meet you half way. Why

cain't you do that? You don't want us to hold out any longer, do you?

FERRIS: I don't care what you do, Mr. Barron.

POP (simple, desperate): What is it you want from us?

FERRIS: I told Billy when he came to see me that if Wheeler looked as good in a game as he had in practice, that he would be our starting fullback, but that we could still use Billy as a back-up fullback and on the bomb squad.



POP (to Billy): You didn't tell me that.

BILLY (beginning to see what's coming next; he is sinking): I—I furgot.

POP (to Billy): You cain't do nuthin riet, can you? (To Ferris): I s'pose you're trying to tell us that you wanna offer us less pay fur such a position.



In January, Dr. Tony Stafford, professor of English at UT El Paso, was notified that his play, "The Hold Out," was judged the Best Play for 1977 by the Southwest Theater Conference. Judges of the nearly 100 plays entered in the

FERRIS: We have a football team to put together—we don't have time to waste. I told Billy he'd have to hurry and make up his mind.

POP: Well, let's sign.

FERRIS: We have our second fullback—we made a trade with the Rams.

BILLY (rising only for a moment): I'm going to the Rams?!

FERRIS: You weren't included in the trade—you're free to go any place you want to.

POP: What in the hell do you mean, free?

FERRIS: He's not under contract. He's been cut from the roster.

POP: Cut? (From here to the end, Billy moves about as though pondering the imponderable.) Now—hold on jest a minute, Mr. Ferris.

FERRIS (to Pop): Good day, Mr. Barron. (To Billy): I hope you find something, Billy. (Ferris exits UL.)

POP: Sonuvabitch. We'll show him. Don't let this bother you, son. Word'll git around to the other teams purty soon. Somebody'll be callin you—don't you worry about that. Washington ain't the only team in the NFL. We'll jest go home and wait fur that phone call. Awriet? Somebody'll call.

BILLY (the only word that will come to him, but it's not really what he wants to say): Who?!!! □

annual competition were drama experts at Southwest Texas State University, UT Austin, Permian Playhouse in Odessa, Centenary College of Shreveport, La., and UT Arlington. The Conference is composed of university drama departments in Texas, Louisiana, Arkansas, Oklahoma, and New Mexico.

A production of "The Hold Out" is scheduled for the October meeting of the STC in Oklahoma City.

Dr. Stafford, a member of the UT El Paso faculty since 1964, is author of three one-act and two full-length plays, all of them staged. He is also author of works on Shakespeare and other classic dramatists.

"The Hold Out" was first produced in June, 1977, at New Mexico State University in their "Plays in Progress" program. The NMSU production was directed by dramatist-in-residence Mark Medoff.



by Dale L. Walker

Looking Out for Old Number One

The campus visitor spotted the glass-and-stone structure housing Old Engine #1 as he walked up University Avenue toward the Centennial Museum. Seeing some students sitting on the rock wall fence at the Wiggins Road corner, he pointed toward the box-like engine enclosure up on the hill and asked, "What is that?"

Said one student, with scarcely a pause, "John Wayne's train set."

Said a second student, "A Lionel train with a gland condition."

A third, failing in the game of one-upmanship, said, "It's an old train."

The visitor left with a quizzical look on his face, climbed the hill to inspect the Engine, and muttered, "Kids nowadays have no respect for history."

The visitor may have been overreaching in his conclusion, but his attitude toward the priceless piece of Americana represented in the El Paso & Southwestern Engine No. 1 cannot be faulted. At least partially to blame for the lack of "respect" he saw directed toward the noble relic on the hill is the general paucity of information about it that has been made public. Some people visiting the UT El Paso campus simply do not know what it is, except that it is an old locomotive engine that somebody built a house around.

The person who knew the most about Old EP&SW No. 1 was the late Rev. Adolph A. Stoy, Associate Rector of St. Alban's Episcopal Church. Rev. Stoy, a native of Philadelphia, was a resident of El Paso from 1911 until his death in 1971, and for nearly 40 years was employed in the Motive Power Department of the El Paso & Southwestern and its successor, the Southern Pacific Company. The history of EP&SW No. 1 which he wrote in 1957 is on deposit in the Archives and Special Collections Department of the UT El Paso Library and the brief narration of Old No. 1's

history which follows is based on Rev. Stoy's research.

(Don't ask us why an old locomotive is a "she." We are no more responsible for this than we are for giving ships the feminine gender or for calling a Kentucky long rifle "Old Betsy." It is meant respectfully, lovingly, and we wouldn't have it any other way.)

She is as old as the Crimean War, born in a shower of sparks and amidst the din of clanging hammers and thumping boilers at the Breese, Kneeland & Co. shops in Jersey City, N.J., in 1857, just 28 years after the first steam locomotive was introduced to our shores from England. At the time of her advent, either Franklin Pierce or James Buchanan was President (Pierce went out on March 3 and Buchanan came in on March 4 that year), the first perforated postage stamps were being introduced, and Chief Justice Taney had announced the Dred Scott decision which rendered the Missouri Compromise unconstitutional.

She was constructed for the Milwaukee & Prairie du Chien Railway Co. and bore the number 40 for a long time. She was a Class 4-4-0 locomotive, meaning four leading wheels, four driving wheels and no trailing wheels; total engine weight was 52,000 pounds, water capacity 1,700 gallons, coal tender capacity six tons.

For the first 32 years of her long life she toiled for the Milwaukee & Prairie du Chien and its successor, the Chicago, Milwaukee, St. Paul & Pacific line. In 1889 she passed to the Arizona & Southeastern Railroad, after \$4,564.25 had exchanged hands, and began a long series of runs between the towns of Bisbee and Fairbank, Arizona, carrying, among other things, ore from the Phelps Dodge Copper Queen Mine at Bisbee.

She always earned her keep in these pioneering railroad days when her fuel

was a never-ending supply of chunks of soft coal, and before Pullman cars and Harvey Houses made railroads almost as romantic to the average American as the windjammers and more romantic than the automobile would ever be.

Her one claim to fame, other than her age, is that in 1889 she became the first locomotive to operate into the city of Bisbee.

In 1901 the Arizona & Southeastern lost its identity to the El Paso & Southwestern Railroad (under the parent ownership of Phelps Dodge), and EP&SW's No. 1 locomotive continued to perform regular service until 1903, and modified service until April 30, 1909, when she was removed from the equipment roster and retired.

A month later, overhauled and "generally rejuvenated," she was placed in a park at the old Southern Pacific Building in downtown El Paso and for the next 51 years watched the world go by, witnessing El Paso grow from a city of 16,000 to a metropolis of 277,000 (in 1960).

There was a brief time when she was put "back in service" and that occurred in November and December of 1938 when Metro-Goldwyn-Mayer Studios borrowed her for use in the screen production of "Let Freedom Ring," filmed at Wymola, Arizona.

In 1960, at the age of 103, she got a new lease on life—or at least a new outlook on it. In June of that year she was moved to the hill beside the El Paso Centennial Museum on the Texas Western College campus.

At the ceremonies in which the Southern Pacific Company presented Old #1 to the College, 150 people withstood a temperature of 92 in the shade just to take part in her latest historical chapter. Rev. Adolph Stoy gave the invocation. Toward the end of the ceremony, Dr. Rex Gerald, director of the

Centennial Museum, and Dr. Joseph R. Smiley, president of the College, accepted her. A compressed air horn gave the signal, "Have cleared and am passing on," and another answered, "I understand and will carry on."

By the mid-1960's, a sad fact about Old #1 was becoming increasingly clear: She was deteriorating. Her metalwork was rusting, her wood disintegrating, her paint flaking. Some said she appeared to have aged more on the Museum hill in five years than she had in 50 in downtown El Paso. Some said the sulphur dioxide in the air, streaming over to the campus from the smelter, was causing the problem. Others had other theories, but everyone agreed she was beginning to look a little seedy.

Toward the end of 1966 the news got around that the great Smithsonian Institution in Washington had come up with a solution to #1's deterioration problem. The Smithsonian *wanted* her if El Paso didn't and was willing to pay for her maintenance in Washington if the University was willing to let her move there permanently.

Somehow, all this didn't set well with history-minded El Pasoans and the El Paso Historical Society and the membership of the Junior Chamber of Commerce joined forces to raise enough money to build a shelter for Old #1. The goal was \$25,000. One of the few dissenting voices heard during the campaign to raise the money was that of the *Prospector*, the weekly student newspaper. On February 3, 1967, the *Prospector* raised its editorial voice to say: "Save Number One: Send it to the Smithsonian."

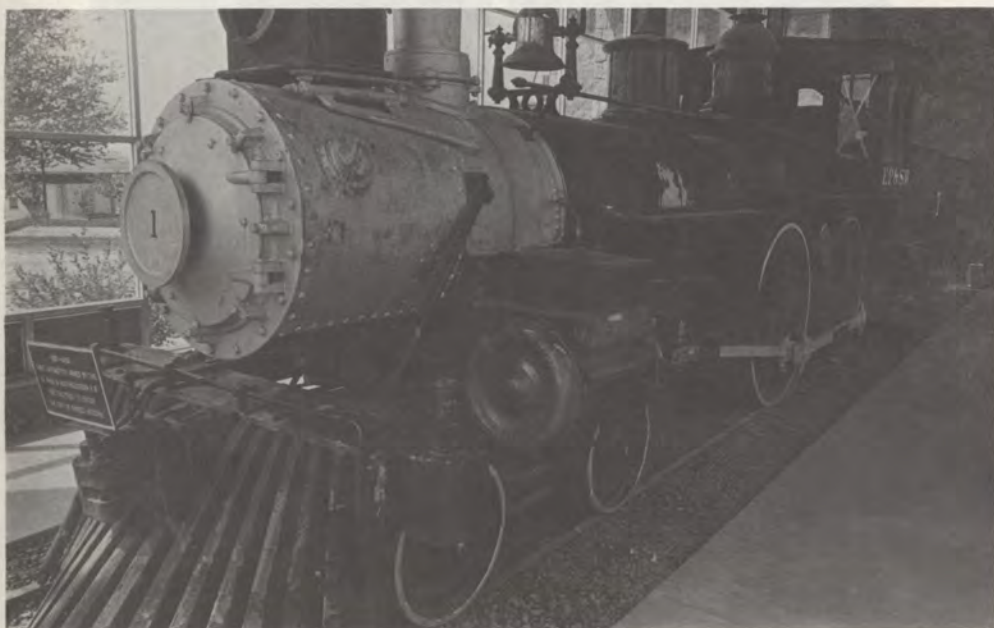
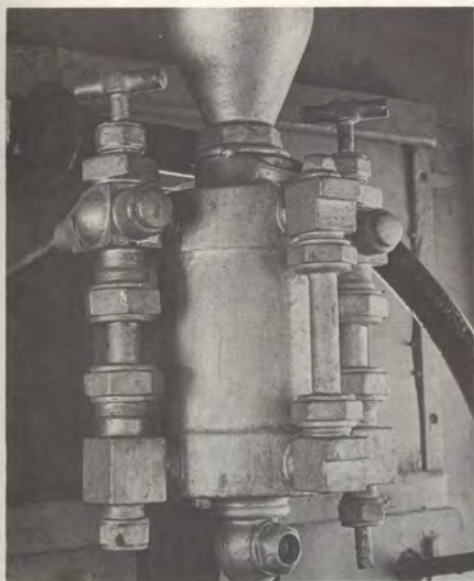
But by the next summer, the protective building for the old engine was under construction and on October 8, 1968, was officially dedicated and turned over to the University by the Historical Society, the Jaycees, and officials of the City and County governments.

Her home gets a periodic cleaning now through the volunteer efforts of the Circle K organization, the campus men's service club. She has a fairly steady stream of well-wishers who peer through the windows of her house, the railroader buff who takes her photograph from every angle, the student newsman who checks to see if she is still rusting, and the visits by Dr. Gerald and his Museum staff.

She keeps a stoic and still-beautiful dignity. People who look at her are like people who see World War I biplanes or a Stutz Bearcat for the first time—"those were the days, my friend," they say.

Nearly everybody who looks at her and has any sense at all, feels a sense of her 121-year history and can hear in the distance the lonesome whistle blowing, the spewing of black smoke from her tall stack, the hypnotic clacking of her wheels over the rails and the bright yellow gaze of her cyclopean eye as she makes her way through the night.

Those with sensibilities most finely tuned can almost hear her steam whistle blowing—"I understand and will carry on." □



"A breezy whiff of reality," the *Houston Business Journal* called Houston *Post* columnist Lynn Ashby's commencement speech at Texas A&M last September. And that it is. The speech requires no additional comment than this: As you read it, recall those other commencement addresses you have heard—the ones ending with "You are the hope of tomorrow," and "The future is yours," (not to mention the "Future lies ahead," an observation almost matching Pat Paulson's famous political line, "For ages to come, time will pass.")

—Editor

President Miller, Dr. Williams, members of the A&M administration and faculty, parents, friends, fiancées, lovers, creditors, camp followers, sorrowful bartenders and disappointed next-of-kin, and, of course, you graduates, I thank you for having me here today. It shows a certain amount of taste on your part. Besides, I always enjoy missionary work. I bring you greetings from civilization. ("Hook 'em Horns" sign.)

Actually, I suppose I should show more reverence around here, for only at Texas A&M have scientists discovered how to turn a longhorn into a turkey. Coming here this morning, I wanted to wear my school's colors, but these days, when you see orange and white it means Anita Bryant at a Klan rally. Looking at this crowd, all dressed up in your graduation robes, no more can they say that black is beautiful.

But I didn't survive State Highway 6 all the way from Houston to discuss your wardrobe, however drab it may be. No, I came here today to collect, because you owe me some money, and I want it back. As a matter of fact, I have personally been delegated by the people of Texas to come here today and collect their IOUs.

What I'm talking about, in case you haven't guessed, is that you have been riding the gravy train long enough, and now you've got to buy your ticket. For all these years you have been attending a tax supported institution of higher learning, so to speak. You have been eating in the public trough, and the public is now presenting the tab.

Take out your pencils and paper and get this down, because you have a right to know just how much it's going to be. You also have the right to remain silent and the right to call a lawyer.

Here at A&M you are paying 13.2% of the cost of your education; at the University of Texas at Austin it's 12.6% and at the University of Houston—15.6%. I'm not talking about how much you spend; I'm not talking about the food and lodging, which you would have anywhere you lived. I'm not talking about your gasoline bills, and what you dropped at the Dixie Chicken, nor am I referring to the amount of money your parents have been sending you all this time.

I am strictly speaking about the cost of your education. For about every \$1 you and your parents are paying to A&M, the taxpayers of Texas are paying another \$8. You are paying, on the average, \$334—the state kicks in another \$2,527. This fiscal year, the good people of Texas are forking over about \$1.2 billion for public higher education, and that's you.

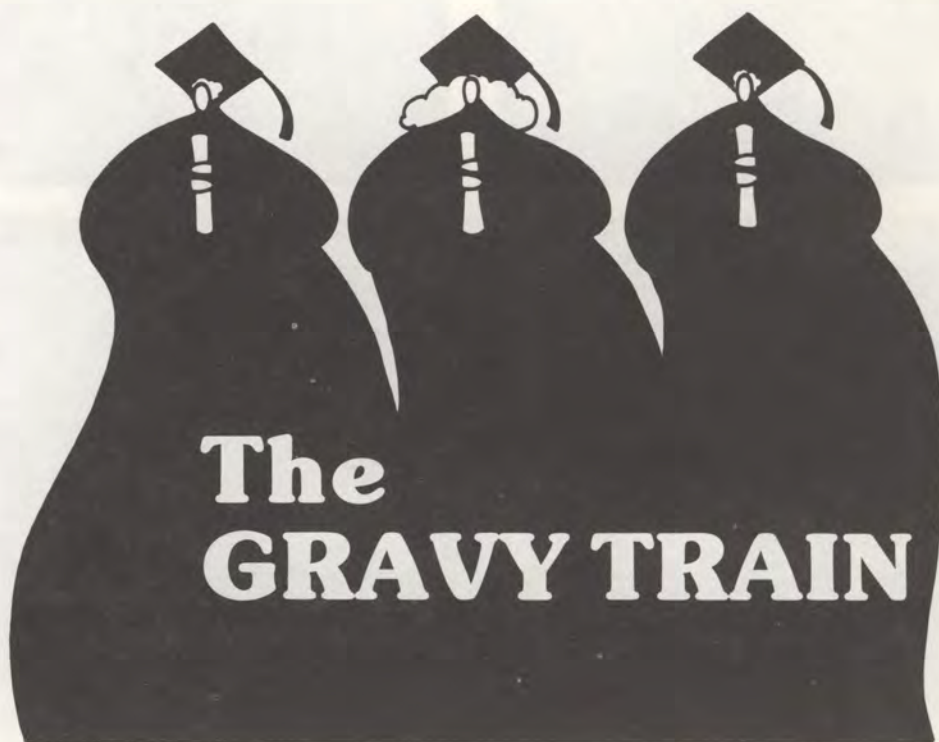
Texas may be a backwater in some areas—such as legislators—but when it comes to spending money on you, we're generous to a fault. Over the past decade, Texas has ranked third of the 50 states in the amount of funds we've spent on higher education. Over the past two years, we've increased our spending faster than any state but one—Alaska. I got back from Alaska on

Wednesday. There are a lot of Teasips up there—it's known as the ice of Texas. A lot of our money spent on higher education comes right here, to Texas A&M. Over the last two years, funding for this school has gone up 64%—that's 64% in two years.

I realize that some of you philosophy majors are having trouble keeping up with me, so after it's over, ask a math major what I'm talking about. Maybe he will tell you that the total investment which Texas has in its physical plant right here at A&M is now \$264 million, wholesale. You've been playing with more than \$56 million worth of equipment, and I won't even go into the cost of the basketball team.

Part of this money goes to pay your professors. You may have noticed all the El Dorados parked in the faculty parking lot. Here at A&M, they pay the professors from petty cash; the average salary is about \$15,500.

Let's not get bogged down in dollars, let's just remember that the State of Texas operates on a pay-as-you-go basis by law. Every dollar going out has to be matched by a dollar coming in. So when I tell you that we now have \$3 billion invested in just the physical plants of our state's public colleges and universities—3 billion—please remem-



ber that virtually every single one of those dollars came from the sweaty backs of the people of this state. They earned the money then they gave it to you. Unlike the federal government, there is no paper mill cranking out dollars to make up for the deficit. All of this money came from Texans—the people you live with and live off of.

When you leave here today to go home to Pampa or Houston or Harlingen or Waco, along the way you'll see Texans plowing fields and wiping windshields and shining shoes. You be nice to them, because they put you right here, right now.

Do we have any accounting majors here? Hold up your clean hands. No, your *clean* hands. Oh, those *were* your clean hands. Okay, to get you through four years of Texas A&M costs \$7,950.83 each. Any biology majors? It costs \$8,596.98. Chemical engineers are expensive—\$10,828. Any journalists? You come cheap, and you always will. A mere \$7,851.76. Again, remember that you paid about one-eighth of this. I paid the rest.

We have a few doctoral candidates here. Boy, did you run up a tab. Above and beyond the cost of getting your bachelor's degrees, it cost an extra \$29,000 to get a Ph.D. in educational

administration. If you got your doctorate in English, \$33,000 extra just so you can tell us if this money was loaned or lent to you. And, if you got your doctorate in chemistry or oceanography, above and beyond the cost of getting your bachelor's degree, it cost an extra \$55,264.04.

There are no veterinarians graduating here today and just as well. To get a vet from freshman to full-fledged veterinarian, it cost more than \$119,000. Most of them make that back by Hal-loween.

All right, now you know the bill you've run up around here. You may have thought we weren't keeping tabs, but we were. We know who you are. We want our money back, because I now will give the first and foremost rule of the outside world: *There is no free lunch*. So, now, the waiter will present you with the check. Actually, I had planned on having the Ross Volunteers pass among you with fixed bayonets and collect, but there are probably a few out there who don't have the funds right now, and I know better than to take your checks.

Indeed, there may be some chemical engineering Ph.D. who doesn't have the \$11,000 on him for his bachelor's degree, to say nothing of the \$55,000 we

spent on him for his doctorate. So, I've got a better idea. If you can't pay it, you can work it out. One way or another, we'll get it.

Work it out. It's not such a new idea. If you were graduating today from West Point or Annapolis, Uncle Sam would be collecting his pound of flesh for your degree. You'd be spending several years in uniform. You ROTC people know about that.

France requires at least one year of service from its young men, in the military or in some Peace Corps-like pursuit. Some of them go to Louisiana to teach French to Cajuns; I think they get combat pay. The Soviet Union demands that its highly educated citizens repay the state for their education before emigrating to other lands. And the Mormons ask—and get—two years of service from their young people.

So, as you can see, my idea of you working off your debt is no revolutionary, starry-eyed plan. It is done all over the place, but not in Texas. Until now.

At this point, you are probably saying to yourself, "This is ridiculous. I've always been told that I should be educated. I've been told that a full education was my right. It's owed to me." Yes, we told you that. But we lied. You have no right to the education you now have. You have simply been lucky enough to draw the white bean. A lot of people in this state who cannot afford to send their own children to A&M have sent you instead.

So, as I said, you should pay them back. You civil engineers can go to work for the state highway department putting bumps in our freeways, or whatever it is you do. You teachers can go to teach—for free. Journalists can go to work as information flacks in state agencies. Now, there is a problem with all you philosophy and English majors. It bothered me for awhile, just where the public needed your talents. Then, driving up here from Houston, it hit me. There's a lot of litter along the highways...

The State of Texas needs physicians. Almost one out of every 10 counties in Texas has no doctors. The people of this state are spending on the average for each medical student each year, \$23,554. That's per student, per year. Incidentally, don't think that by going to a private medical school your debt to Texas will be less—state aid to Baylor College of Medicine boils down to \$33,435 per student per year. State aid to both the Baylor and UT dental



STOPS HERE

by Lynn Ashby

schools is more than \$19,000 a year for each student. I don't think it's asking too much of our future doctors and dentists to put down their nine irons long enough to help repay the gigantic cost of their education—money spent on them, by us.

As you can see, there are just all sorts of jobs around for you to do, to work off your debt. In Texas we are appropriating an average of \$75.07 from every man, woman and child in

full of ideas to get my money back. I want you to go out and get a job and make lots of money. Then I want you to give some of it to Texas A&M; I want you to stack it up on Dr. Williams' desk. I want you to build new classrooms and buy new books and endow chairs for professors. Not nickels and dimes. I will accept nothing less than \$10,000—a year, each.

This way, others can come here in future years to learn that hullabaloo

You philosophy majors can discuss that while you pick up Coors cans along Interstate Highway 10. No, I'm talking about your very real debt to Texas A&M. Without this school, today you'd be just another unemployed graduate.

I congratulate you on getting this far. I realize it wasn't easy—took me six years. Your joy today is exceeded only by that of your parents and the taxpayers of Texas.

I am not going to tell you to go onward and upward, you know the direction. I am not going to tell you that the world is out there eagerly awaiting your talents; we've gotten along just fine without you. I am going to tell you that there's room at the top and I'm lonely up here.

No doubt today your most fervent emotions can be expressed in two words: "I'm out!" I've got news for you: you're not out, you're *in*. Now you can help stoke the gravy train. Now you can help send some other young men and women to A&M. This school, this state, was not built by takers. It was built by givers. You have been offered a good and expensive education. What you do with it is up to you. Thus far you have been takers, now it's your turn.

Come on up here now and get your diplomas. You worked hard to get this far. It's time to celebrate and have a good time. You done good. There may be no free lunch, but this is the desert. □

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"I have personally been delegated by the people of Texas to come here today and collect their IOUs."

this state to run our higher education program this year. Again, this isn't just funny money; it is labor money, and a person has to work just as hard to earn a dollar for your education as he does to make a dollar for food to put on his table. There is no free lunch.

Each of you has some talent, probably the result of what you learned right here at A&M, which can be used briefly for the benefit of the people who paid your way through school—the people of Texas, people you never saw and never will see, farmers from Plainview, pharmacists from Pharr, school teachers in St. Augustine, even journalists in Houston.

Rationalize it any way you want. You can well say that you will return this money and a lot more over the years through your state taxes. I doubt it. I doubt that the small Texas taxes you will pay will cover the cost of the roads you use, the salaries of the teachers who teach your children, the game wardens and highway patrolmen and air pollution experts and prison guards, and, in addition, make up for the debt you have run up here. I doubt it.

Some of you already have your plane tickets out of state. You will never set foot in Texas again, not if I have my way. Some of you will die, some of you will go bankrupt, some of you will become state legislators. Frankly, I recommend the first two over the latter. Chances are you won't repay the financial debt you have run up here at A&M over the past years. And chances are you won't offer your services to the state for free. I suspect when I leave here today I will still see litter along the highways. You won't teach the slum children, and you won't take care of the sick and the needy, and you won't repay what you have been loaned, not by working it out.

Okay, I've got one other idea. I'm just

canek canek is Comanche for "I would have gone to the University of Texas but they found out my parents are married."

When they call your name here in a few minutes, and you come across this stage, I'll be watching closely, remembering who you are, because I want my money back, or at least I want it for A&M—coins, bonds, stocks, small unmarked bills, bribes from Duval County. I'll even take Duval County. Why should I be any different?

So just remember your debt to this school. I'm not just talking about some obscure, philosophical debt to society.





Alumnotes by Sue Wimberly

President A.B. Templeton has forwarded to NOVA a letter he received from **Dr. Robert Z. Segalman** (BA '65), who is a psychiatric social worker at Pacific State Hospital in Pomona, California. Bob Segalman is a well-known alumnus of UT El Paso: one of only about 15 cerebral palsy victims in the U.S. who have achieved a doctoral degree and who, as newspaper reporter Valerie Estrada of the Diamond Bar, Calif. *Bulletin* explains, "beat the odds of not being in the 60 percentile of CP victims who are mentally retarded." Bob wrote to Dr. Templeton to express his pleasure at reading the NOVA article in the last issue, "This Space Reserved for the Handicapped." He wrote: "As one of the first, severely handicapped, UTEP graduates, I am glad to see the expansion of services to the handicapped at UTEP." He continued:

"You may be amused if I remind you of the time I was working on a long, involved statistical project for Dr. Guido Barrientos in the Psychology Department. At the time I had access to two calculators. One of them would only multiply, and one would only do addition, subtraction and division. The first one was located in the basement of the Liberal Arts Building and the other was in my old office in the Student Union Building. What I remember most about that project was running back and forth between the two buildings and *up and down the stairs*. I did much of the work on that project on weekends when both buildings were locked and I had to lock and unlock a multitude of doors to get from one office to another. Boy, I sure could have used that new elevator during those days! Actually, what I remember most about those trips between the two calculators was the spookiness of the dark buildings on weekend evenings. If I believed in ghosts, I could never have done it!"

Bob is 34 and his CP came from "prenatal anoxia" (oxygen deficiency) between the mother and fetus. The affliction left him with slurred speech, an irregular, lurching walk—the classic cerebral palsy attributes suffered by an estimated 600,000 people in the U.S. alone.

On his first day of public school, a classmate said to young Segalman: "You don't walk very well do you?" Bob's answer was, "Yes, but I can tell time." The positive attitude went a long way. He took his B.A. in psychology at UTEP, a master's degree at Florida State University in research methodology, and his Ph.D. in social welfare and sociology at the University of Wisconsin.

Reporter Valerie Estrada reports that Bob drives a car with special hand controls, has an electric wheelchair and operates an electric typewriter which he describes as "an important instrument in my life." In his work at Pacific State Hospital, he analyzes daily medical and nursing notes on some 200 hospital patients, prepares documents and summaries for other agencies, and handles much of the correspondence of his unit.

He credits his parents with his success, saying, "They decided when I was two years old that I would function as an adult and become physically, economically and psychologically independent.

"Intellectually and emotionally," he says, "I am a very rich man. My ability to listen, to show true concern and make a genuine effort to relate, more than compensates for any physical handicaps."

CLASSES OF 1934-44

Alan A. Sharp (B.S. '34), who retired a number of years ago as a mining engineer with the U.S. Bureau of Mines, has retired again as a real estate agent for the County

of Sacramento. He and his wife, Winifred, have moved to Pacific Grove, California, where he plans to continue his engineering as a mineral consultant.

W.J. "Jack" Jones (B.S. '35) has retired as chief engineer from Southern Pacific Transportation Company and resides in San Francisco, California.

Soledad Perez Newman (B.A. '41) is a folklore specialist at Miami University, Oxford, Ohio. She was U.S. delegate to the General Assembly of the Organization of American States and Pan-American Institute of Geography and History in Quito, Ecuador, last year.

Joaquin R. Mendoza (B.S. '42) recently donated a theodolite and tripods to the Department of Civil Engineering. The equipment, valued at over \$5,000, will add greatly to the department in enabling more students to work in a given laboratory section, according to Dr. J.R. Coltharp of the civil engineering faculty. Mendoza received his M.S. from MIT, served on the UTEP faculty in 1958-60 and has taught at the University of Chihuahua as well as operating his own consulting business in Chihuahua City.

James J. Young ('44 etc.), has been promoted to brigadier general, USA. He will head the Medical Service Corps and serve as director of resources management in the Office of the Surgeon General.

CLASS OF 1950:

NOVA's office was happy to have a telephone call from **Carlos A. Loweree Sr.** (M.Ed. '57) with news of his family. Carlos is an insurance adjuster for Commercial Union Companies in El Paso. His wife, **Gloria Uzeta Loweree** (B.A. '52) teaches kindergarten at Assumption School. **Carlos Jr.** (B.A. '77) is a dealer's representative with the Shell Oil Company, Memphis, Tennessee, and another son, **Luis G. Loweree**, and wife, **Cecilia Felix Loweree** (B.S. '77) live in Indianapolis where Luis is a second-year dental student at the University of Indiana.

CLASS OF 1958:

Raoul B. Berke, M.D., ('58 etc.) is clinical director and chief of psychiatry at New Mexico State Hospital, Las Vegas, New Mexico, and also is on the faculty of UNM School of Medicine in Albuquerque.

Arturo Lightbourn (M.Ed. '70) has been named Administrator of the Year in El Paso by the Texas Classroom Teachers Association. He was vice president of the El Paso Community College board of trustees from 1970-77.

CLASS OF 1962:

Sara Louise Hernandez has received her M.S. in nursing from Texas Woman's University, Dallas Center. She and her husband, **Dr. Michael B. Hernandez** (B.A. '59) reside in Duncanville, Texas.

Thomas H. Haines Jr., Major/USAF, has been named the U.S. Air Force Outstanding Senior Services Manager of the Year. He is chief of the Services Division with the 10th Combat Support Group at Alconbury RAF Station, England.

David Harlan has been elected vice president in the Operations Division of First City National Bank of El Paso.

CLASS OF 1963:

Frank R. Sanchez is employed by the Boeing Company in Seattle, Washington, and continuing work on his M.B.A. at the University of Washington. He was previously with Bell Helicopter in Fort Worth.

James A. Fyock has been appointed to the new position of group public relations director in the corporate public relations department of R.J. Reynolds Industries, Inc., Winston-Salem, North Carolina. He was formerly director of public relations with Phillips Petroleum Company in Bartlesville, Oklahoma.

CLASS OF 1964:

Rede Franco is a special agent with the FBI assigned to Miami, Florida, from Los Angeles, California. He received his M.A. from California State University-Los Angeles in December, 1976.

CLASS OF 1966:

Camellus W. Buck (M.Ed. '67) is education advisor at the U.S. Coast Guard Institute, Oklahoma City. He taught in the public schools in Albuquerque and completed his doctorate in education at the University of New Mexico.

CLASS OF 1967:

Rueben A. Flores, formerly Seattle Executive Director of SER/Jobs for Progress, Inc., has been appointed to the position of Executive Assistant to the Regional Administrator of Region X in Seattle. He is married to the former Anne Lehnhausen of El Paso. They are parents of two daughters and live in Renton, Washington.

Ronald Seegar was recently promoted to the rank of Major/USA and is beginning his third year of duty in Korea.

CLASS OF 1969:

Richard Mesa is assistant Texas attorney general for consumer affairs in El Paso. Following graduation from Georgetown University Law School in Washington, D.C., in 1973, he was in consumer protection work in

New Address?

Name _____

New Address

Number & Street _____

Apt. Number _____

City _____

State _____

Zip _____

Old Address

Number & Street _____

Apt. Number _____

City _____

State _____

Zip _____

Year Graduated, attended _____

Mail to: Development Office
U.T. El Paso
El Paso, Texas 79968

the office of the attorney general of Pennsylvania, returning to El Paso in 1976.

Judith Rose Hiramota is employed by the Department of Education for the State of Hawaii, and is currently chairman of the Guidance/Counseling Department at Moanalua High School in Honolulu.

Jose Xavier Banales (M.Ed. '73) has been appointed chief juvenile probation officer for El Paso County.

Robert E. Seifert, assistant manager of the Hotel Paso del Norte, has received the Certified Hotel Administrator title following examinations which he passed with distinction, and exceptional service to the profession.

CLASS OF 1970:

Francisco A. Herrera, Lt. Col./USA, and his family live in San Diego, California. He is with the chief operations team, CINCPAC (Commander-in-Chief, Pacific).

Sandi Prati Cardwell and her husband James are parents of two children and live in El Paso, where she is a teacher at Socorro Elementary and he teaches at Ysleta Vocational High School.

Robert Reyes (M.Ed. '72) is professor of political science at El Paso Community College.

CLASS OF 1971:

Lorenzo "Tito" Martinez has been named director of federal grants by Ysleta Independent School District. After receiving his bachelor's degree at UTEP, he attended the University of Manchester, England, and the University of Northern Colorado at Greeley, where he studied under a Housing and Urban Development fellowship for a Master's degree in urban and regional planning.

Gaylord E. Reaves is a project engineer in the compressor design section of the Lovaca Gathering Company in Houston. He and his wife are the parents of two sons.

CLASS OF 1972:

Porfirio Montes, Capt./USA, is now stationed at Ft. Huachuca, Arizona, after completing a tour of duty at Ft. Lewis, Washington. He expects a European assignment in the fall of 1978.

Juan M. Alvidrez is a sales representative with Dupont, assigned to the West Texas and Southern New Mexico area. He lives in El Paso.

Margaret R. Knesek is a math teacher at MacArthur Senior High in Aldine, Texas, and is also selling real estate.

CLASS OF 1973:

Victor M. Renteria works in El Paso with Global Universal Sciences Manufacturing in geophysical exploration.

CLASS OF 1974:

Wesley P. Clarkson was graduated from the School of Theology, Southwestern Baptist Theological Seminary in December.

Charles E. Beach is a teacher of biology at Irvin High School in El Paso.

Sahban Al-Tabbah was recently featured in an article in the El Paso Times. He is the owner of three successful clothing stores in El Paso.

Richard G. Prosapio is director of social services at R.E. Thomason General Hospital and in private practice as a psychotherapist in El Paso.

Cyndonna Ganfield Lewis and her husband Warren Taylor Lewis (B.S. '76) live in Kansas City, Missouri, and both are working toward Master's degrees—she in education at University of Missouri-Kansas City, and he in electrical engineering at the University of Missouri.

CLASS OF 1975:

Patricia Rich (M.Ed.) is a vocational rehabilitation counselor with the Texas State Commission for the Blind.

Francile Crowson Carr and her two children have resided in El Paso since 1975. She is a senior auditor at the El Paso Branch, Federal Reserve Bank of Dallas. She plans to sit for the Certified Internal Auditor examination in May. Her mother, Mrs. Mary Rita Crowson, is the director of Supplies & Duplicating at UTEP.

CLASS OF 1976:

Felix Berenguer spent the Christmas holidays in El Paso, returning to Edmonton, Alberta, Canada, where he is a teacher of romance languages at the University of Alberta.

Jose Adan Gutierrez lives in Madrid where he is a drama graduate student with New York University's Spanish branch. He will remain abroad another year working on a doctorate degree. His Master's degree in Philosophy and Letters was completed there last year.

Antonio Ronquillo has been promoted to airman first class, and is serving at Camp New Amsterdam AB, Netherlands.

CLASS OF 1977:

Jorge O. Clarke T. is an inspector of storage tanks for butane and propane gas and resides in Juarez.

Charles R. Nelson is a contract specialist employed by the Air Force at Kelly AFB, Texas.

Martin D. Legate is presently employed with the USDA Soil Conservation Service in Bellville, Texas.

Rosa Gutierrez Lopez has been appointed a federal court interpreter in El Paso.

Timothy J. Hourigan, Lt./USA, his wife Donna and two-year old son live at Ft. Bragg, North Carolina, where he serves with the military intelligence office headquarters.

Deaths

Neil Patrick Farrall (B.A. '75), in Castle Rock, Colorado, November 24. He is survived by his parents, three brothers and three sisters.

Antonio J. Hernandez (B.A. '39; M.Ed. '53), in El Paso, November 28. He was retired from the El Paso Independent School District and is survived by his wife, one son and two daughters.

David Joseph Botello, Major/USA, ret., (B.A. '50), December 5 in Los Angeles. He was a real estate agent, and is survived by his wife Stella.

Dr. Gladys Gregory, who retired from the UTEP faculty in 1962 after 34 years as a professor of political science, December 18. She was a noted authority on the Chamizal settlement, and in the early 50s she served as a member of a charter commission on the study of municipal government. She was an early sponsor of Zeta Tau Alpha Sorority and a member of the El Paso Alumnae Panhellenic. A memorial fund has been established in her name at the University of Texas at El Paso Library.

Jamie A. Bowen, former director of institutional studies at UTEP, Dec. 21. She was on leave of absence from UTEP and was working on her doctorate at West Virginia University. She is survived by her husband, Dr. Donald Bowen of the Physics Department, and one daughter. A memorial fund has been established in her name at the University of Texas at El Paso Library.

Thomas F. Cummings (B.S. '57), December 23 in Van Horn, Texas where he was employed by Southwestern Portland Cement Company. He is survived by his wife Lorraine and two daughters.

Delo Kimmel Wilson (B.A. '52), December 25. She was a life member of the Texas State Teachers Association and at one time had been a teacher in Chateau Roux, France. She is survived by her mother and one brother.

Barney Oden Jr. (B.A. '62), December 30. He was an attorney and resided in Dallas. Survivors are his wife, Carol, and two sons.

Dr. William W. Raymond, associate professor of electrical engineering, in Ann Arbor, Michigan, January 4. He joined the UTEP faculty in 1949 and taught until 1957. He was on the electrical engineering faculty of the University of Michigan and associated with various electronics companies,

returning to UTEP in 1976 as visiting associate professor. He is survived by his wife, Helen Brown Raymond, and two sons.

Betty C. Cooper ('62 etc.), in El Paso, January 6. She was a teacher at Terrace Hills School for ten years. Survivors are her husband, Charles, two daughters and one son.

Prof. William F. Webb, retired professor of modern languages, January 7. Prof. Webb joined the faculty in 1943 and taught for 28 years. Before coming to UT El Paso, he taught over 11 years at San Angelo High School and served during World War II as a Government Censor in Spanish in San Antonio. While a high school teacher, Prof. Webb distinguished himself as a coach of basketball and tennis. He served as El Paso District Director General of the Texas Interscholastic League and as proctor for the Chartered Life Underwriters exam. Prof. Webb, a much-beloved member of the Modern Languages faculty at UT El Paso, was a member of Sigma Delta Pi, national honorary Spanish fraternity. Survivors include his wife, Olga, and two sons.

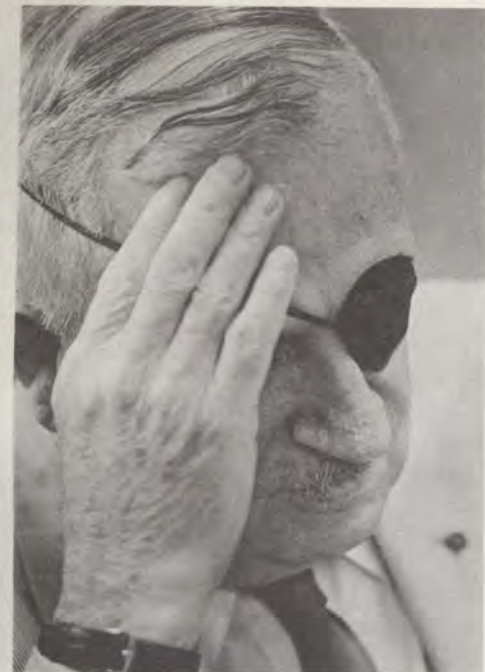
Caroline Scott Cate (M.A. '62), January 12. She had been a teacher at El Paso Community College and in El Paso Independent School District. She is survived by her husband, Robert L. Cate, three sons and a daughter.

Collins Conrad, CW4/USA, ret. (B.A. '64) in San Antonio, Texas, January 14. He is survived by his wife, Alla, and one son.

Anna Lee Barnes (B.S. '64), January 21. She had taught school at Socorro, Texas, and was a resident of Anthony, New Mexico. She is survived by her husband, Joe C. Barnes, and one son.

Dudley Mark Berry Jr. ('21 etc.), in Oracle, Arizona, January 3. Mr. Berry, among the earliest of Mines students, continued his contact with his alma mater through the years and was always helpful in gathering news of his classmates for NOVA and in assisting in historical questions about the School of Mines.

Diane Vandenburg (B.A. '72), February 11, in Dallas. Mrs. Vandenburg, age 29 at the time of her death, taught gymnastics at UTEP and competed on the University's first gymnastics team, a state winner in floor exercises. Survivors include her parents, Mr. and Mrs. Alfred Cursio of Hinsdale, Ill.



S.L.A. Marshall (1900-1977)

Brig. Gen. Samuel Lyman Atwood Marshall died last December 17, after a long illness, in El Paso, where he and his wife, Cate Finerty Marshall, had returned in 1974 to make their home. He was buried with full military honors at the Ft. Bliss National Cemetery.

Sam Marshall was UTEP's first Outstanding Ex-Student (1950), a world-renowned military historian, author of over 30 books and countless other works, and a man whose military and battle experience, both as soldier and war correspondent, stretched from World War I through several tours in Vietnam. Perhaps no man in modern times saw more battle than Marshall and without question no man wrote so much, so lucidly, and so influentially, on war than he did.

Time Magazine, in its obituary on December 26, referred to him as "a towering military historian who analyzed all the wars of modern America," and said: "His writing was distinguished by narrative drive, a gritty attention to the details of combat and a plain-spoken sympathy for the men who suffered and triumphed on the front lines. He could not agree with people, he said, who thought that 'war is a game in which the soul of man no longer counts.'"

You will find Sam Marshall's work used and referred to with respect and awe everywhere. As an example, John Keegan, in his *The Face of Battle* (Viking, 1976), a book which C.P. Snow says is "The most brilliant evocation of military experience written in our time," compares Marshall to Ardant du Picq, the 19th century French military historian (who was killed in the Franco-Prussian War of 1870). Keegan wrote:

"The conclusions to which the American Historical Teams came, as a result

of many thousands of interviews with individuals and groups fresh from combat, are now widely known. They form the basis of the magnificent American campaign histories and have been publicized in pungent, capsule form by the leading historian of the European Theatre, General S.L.A. Marshall. Marshall is, in a sense, an American du Picq, in that, although owing to him his *idée de base* — that the battlefield is a place of terror — he has come to a radically different view of how the soldier's fears of it should be overcome. Both he and du Picq believe that an army is a genuine social organism, governed by its own social laws, and that formal discipline, imposed from above, is of limited utility in getting men to fight. But du Picq, though he uses a phrase which no doubt caught Marshall's fancy — that soldiers must develop a 'mutual acquaintanceship which establishes pride' — sees the suppression of fear chiefly as the officer's task. Marshall, in a manner distinctively American, believes it a function which falls upon everyone in the firing line. 'Whenever one surveys the forces of the battlefield', he wrote in his masterpiece *Men Against Fire*, 'it is to see that fear is general among men, but to observe further that men are commonly loath that their fear will be expressed in specific acts which their comrades will recognize as cowardice. The majority are willing to take extraordinary risks and do not aspire to a hero's role, but they are equally unwilling that they should be considered the least worthy among those present.' It is therefore, in Marshall's view, vital that an army should foster the close acquaintance among its soldiers, that it should seek to create groups of friends, centered if possible on someone identified as a 'natural' fighter, since it is their 'mutual acquaintanceship' which will ensure no one flinches or shrinks. 'When a soldier is . . . known to the men who are around him, he . . . has reason to fear losing the one thing he is likely to value more

highly than life — his reputation as a man among other men.'"

In 1974, when the Marshalls were preparing to return to El Paso to make their home, the General presented the University his personal military library of 2,237 volumes, together with hundreds of notebooks, scrapbooks, documents, government publications, photographs, films, tapes, periodicals, maps and speeches. This initial gift has formed the present "S.L.A. Marshall Military History Collection" at UT El Paso, a collection that has continued to grow in the four years of its existence.

The University, in February, 1978, concluded an agreement with Gen. Marshall's widow, and has added to the existing Collection the balance of his voluminous files, manuscripts, and records — and nearly 600 additional books, including all the many editions of Marshall's own works, inscribed books and correspondence from a wide range of world personalities — other military historians (such as Sir Basil Liddell-Hart, Cyril Falls and J.F.C. Fuller), military and political leaders (Presidents Eisenhower, Truman, Nixon, and others; Generals Omar Bradley, Matthew Ridgeway, William Westmoreland, and virtually every high-ranking military figure of the past half-century); and literary figures such as Sherwood Anderson, Ernest Hemingway, Carl Sandburg and many others.

Plans are being formulated for establishing an S.L.A. Marshall Room to house the enormous, growing Collection — a permanent memorial and tribute to this splendid man, influential historian, and loyal alumnus of the College of Mines-UT El Paso.

Persons interested in the Marshall Collection can contact Dr. Larry Sall, Department of Archives and Special Collections, the Library, University of Texas at El Paso; those wishing to donate books or funds to purchase books for the Collection should also contact Mr. Jim Peak, Director of Development for the University. □



Gen. Marshall's burial ceremony at Ft. Bliss National Cemetery on December 20, 1977. (U. S. Army Photo by Dennis Pape)



Modeling is future UTEP student Miss Dianne L. Walker, junior student at Coronado High School.

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