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WEDNESDAY, JULY 12, 1978 **40 PAGES, 5 SECTIONS**





John O'Leary, deputy secretary of the Department of Energy, Tuesday talks on the telephone, left, shortly before addressing a

public meeting, right, in Midland on a proposed nuclear Waste Isolationl Pilot Project

(WIPP) near Carlsbad, N.M. (Staff Photos by

Tank truck explosion 'holocaust'

By FENTON WHEELER

TARRAGONA, Spain (AP) - "It was like a giant flame thrower," said a French woman who survived the holocaust when a runaway tank truck loaded with propylene gas exploded in a campsite on Spain's northeast coast and killed between 119 and 125 persons, police reported.

More than 200 other campers were hospitalized with burns. Many were reported in critical condition.

Most of the 500 to 600 vacationers registered at the camp on the Costa Brava 50 miles south of Barcelona were from other West European countries. Many of the bodies were burned beyond recognition, and identification was slow.

The campsite "resembles hell or what we think hell is like," said one

By GEORGE C. WILSON

The Washington Post

police officer working amid the charred remains of automobiles, trailers, campers and tents.

The permanent campsite is one of a score along the popular Costa Brava. more than 160 acres and was heard two miles away.

Earlier reports put the death toll at near 200. Officials blamed the higher estimate on "great confusion."

Vincente Mirabet, the head of a burn treatment unit at a Valencia hospital, said 40 victims had been admitted there and most were in critical condition

"I don't think many will survive," Police at noon put the death toll at

119 and said half a dozen persons were missing.

Police said the 38-ton single-trailer

truck was loaded with 43 cubic meters recognition. Identification, he said, of gas when it left the highway while rounding a curve, crashed through a stone fence and exploded. Witnesses said the truck was going

control.

The blast set off a chain of explosions as campers' bottled cooking gas blew up. No trace of the Spanish driver was found

"I heard an explosion, a whoosh, and stepped out of my trailer to see flames 150 yards high," said a Dutchman who refused to give his name.

"After seconds I saw people walking out of the fire with their outer skin burned completely off. Many fell down. Some just sat down. Others ran into the sea.

Antonio Betancurt, an officer of Spain's paramilitary civil guard, said many victims were burned beyond

The amendment was offered by

carriers the case in point.

Is going to be really difficult, even for their own relatives.

The bodies were taken by helicopter to the nearby town of Tortosa until Spanish officials said it was the

worst campsite disaster ever. 'Cries came out from everywhere in the camp," said a municipal policeman who was there when the truck exploded. "I'll never be able to get rid of these horrible sights no matter how long I live."

A Madrid propylene transportation company, Cisternas Reunidas, took responsibility and said an investigation has been ordered.

Propylene is a colorless gas obtained from the petroleum refining process. It is used to make polypropylene, a light thermoplastic resin used for packaging and coating.

DOE cover-up of WIPP site study charged

A former NASA physicist charged at a public hearing in Midland Tuesday that there is a conspiracy to keep high level decision makers in the Department of Energy from having access to information showing that a proposed site for underground nuclear waste disposal in southeastern New Mexico is unfit for that pur-

Dr. John Hyder of Albuquerque N.M., presented Department of Energy Deputy Director John O'Leary with a geological study of the Waste Isolation Pilot Plant near Carlsbad, N.M., which Hyder claims concludes that the site is unsafe for long-term storage of nuclear wastes.

O'Leary and other officials of the DOE held the first of three Texas public information hearings on WIPP

at Midland College Tuesday.

A second hearing will be held today in Amarillo and a third one will be held Thursday in El Paso.

A fong-time opponent of the pro-posed WIPP site near Carlsbad, N.M., Hyder said the draft, prepared by University of New Mexico geology professor Dr. Roger Y. Anderson in January of this year, was being deli-berately kept from top decision makers of DOE.

O'Leary denied the conspiracy charge, adding that "even if it were so, there would be plenty of opportunity for all the information relative to WIPP to be brought forward during the lengthy public hearing sessions necessary during the licensing procedure of the Nuclear Regulatory Commission."

Anderson's report concludes that the entire Delaware Basin, the geolo gic formation in the WIPP site area, is geologically active, Hyder said. The report makes a strong case for the existence of a fault line which runs tangent to the WIPP site, Hyder added. But the most damaging aspect of the report, Hyder said, were Andersons findings of collapse structures (sinks) in the WIPP site area.

In the report Anderson wrote: "The potential for the formation of such collapse structures in the site area constitutes an unavoidable geological hazard that is inherent for any site selected in the basin. Studies of the statistical probability of occurrence based on known distributions and on a better understanding of the collapse process will provide estimates of the seriousness of the hazard."

Anderson also noted a long-term geological trend whereby the salt layer in which the nuclear wastes would be stored is gradually being eaten away by water.

Wrote Anderson: "The progression of deep dissolution (of the salt layer) will reach the site locality within the

next few million years." When asked privately if he intended to respond to the Anderson report, O'Leary said, "No. You know I just quipped to a colleague that the Ice Age would be here first (before water reached the WIPP site). I noticed

location in the Delaware Basin.

Hyder, a staff scientist for the Albuquerque-based Southwest Research and Information Center, said Anderson's report seriously ques-tioned the WIPP site's geological integrity, which he says must span a

period of 250,000 years.

During the public information hearing, DOE officials explained the purpose of WIPP, a \$350 to \$400 billion pilot project to store low- and intermediate-level nuclear wastes at a depth of 2,100 feet and highly radioactive spent nuclear fuel rods at 2,600 feet. There will also be an underground research area for the test storage of high-level military wastes, officials said Tuesday.

DOE is conducting the hearings in Texas at the request of Attorney General John Hill. If the WIPP site is approved, much of the materials brought into it for storage will travel through Texas from a storage area at Savannah River, S.C., the hearing

revealed. James Liverman, acting assistant secretary for environment with the DOE, surprised many people at the hearing by announcing that the rail route would take the wastes into New Mexico through Amarillo. It had been thought the wastes would travel a more direct route, on the Texas and Pacific Railroad through Dallas-Fort Worth, Midland-Odessa and Kermit.

When pressed for details of the exact route, Liverman said he would have to get back to his staff in Washington, adding, "I don't know where they got Amarillo."

After the hearing, Liverman tried unsuccessfully to get the exact information from Washing

"Watch, in Amarillo he'll say the wastes will travel through Midland-Odessa," one observer quipped.

During the 20-year period in which wastes will be brought to the site, Hyder said, he has calculated there would be 10 to 14 train accidents involving the leakage of radioactive

materials along a Dallas-Midland-Kermit route. He said it would be higher on the Amarillo route. Herman Roser, DOE Albuquerque Operations Office manager, said data collected by a U.S. Geological Survey hydrologist showed that the acquifers which supply water to the cities of Pecos, Midland and Odessa were completely separate from the acquifer beneath the WIPP site. Roser added that the Guadalupe Mountains protected the integrity of

El Paso's water from the WIPP site. During a public comment section of the hearing, Midland hydrologist Bill Heck said that, based on his experience with the water sources for numerous cities in West Texas and southeastern New Mexico, he agreed with government findings that WIPP posed no danger to the water supply

of any nearby municipality. "There has been a striking change in the energy outlook in this country in the past ten years," O'Leary said (Continued on Page 2A)

Sen. John C. Culver, D-Iowa, who told WASHINGTON - The Senate the Senate that in the age of precision served notice Tuesday that while it ing it national policy to design and missiles a \$2 billion aircraft carrier build "more survivable, more numerfavors higher defense spending and is willing to buy one more nuclear airous and less costly" weapons from craft carrier, the age of the giant now on, with cheaper and smaller

STANTON - June Reid must have

felt let down something awful. There she was, sitting business-like at the table, taking orders for the illustrated book, "A History of Martin County." It's selling for a pre-publi-

cation price of \$21.50. In the relative cool of the communi-

WEATHER

Fair through Thursday with hot afternoons. High in the middle 90s. Details on Page 2A.

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School board president disturbed about bilungual requirements, Page

Dr. Christiaan Barnard, heart surgeon, takes stand on mercy killing., Page 4B.

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Want Ads 682-6222 Other Calls 682-5311 carriers is ending. Approving a \$36 billion Pentagon

money bill by a vote of 87 to 2, the Senate pushed an amendment declar-

ROUSTIN'

ABOUT

Ed Todd

ty building, she seemed confident

about that railroad float just outside

It had been entered in the Stanton's

Old Settlers Day parade, which was

keyed to the theme "Songs of Yester-

tracks and 13 cross-ties and the ban-

ner, "I've Been Working on the Rail-road." And Mrs. Reid just knew the

float, sponsored by the Martin County

Historical Commission, would take

top prize. (The Commission's putting

out the book, too.) In the actual

parade, the T&P float was adorned by hard-worked and hard-driving men

dressed in the work clothes of Texas &

And appropriate that was, for it was

Mrs. Reid said the float was a surefire winner, or ought to be. She

seemed to be dreaming of a first-

"If it don't get first place, and if it don't get second (place), it ought to get third place," she said after the

(Continued on Page 2A)

the railroad that gave rise to Stanton

Pacific Railroad hands.

place ribbon on the float.

On the mobile float were steel

and under the blistering sun.

with

could be shot "like a duck in a Chairman John Stennis, D-Miss., of Though not a winner, the Senate Armed Services Committee and Sen. Barry Goldwater, R-Ariz., key Pentagon allies, were float portrayed history among those who expressed their support for the Culver amendment

Age of carrier ending, Senate says

Stennis said he favored building one more Nimitz-class nuclear carrier, even though President Carter does not want it, but added that this fifth nuclear carrier should be the last of the giants as far as he was con-

before it was passed by voice vote.

Goldwater said, "The dayof the carrier has passed," adding that he was "appalled" at the \$2.3 billion estimated cost of the Nimitz, which he predicted would end up with a price tag of \$3 billion.

Sen. John H. Chafee, R-R.I., former secretary of the Navy, said that "by drawing the line here that this is it" as far as building anymore \$2 billion carriers, the Senate would get "the attention of the Defense Depart-

So far the Navy has built the nuclear-powered Enterprise aircraft carrier and has previously won congressional approval for three nuclear carriers of the Nimitz class. The new question is whether a fourth Nimitz should be constructed.

The Carter administration, while

not requesting any money at all in the fiscal 1979 budget for a new carrier, said it would prefer a conventionally powered one if Congress insisted on another large-deck ship.

Administration officials did not mo-

bilize to delete the big carrie of the Senate Armed Services Committee had added to the Pentagon's fiscal 1979 procurement bill passed Tues-day, telling congressional anti-car-rier forces the administration would

hold its fire until the appropriations bills were voted.

Carter, in reassessing congressional support for one more Nimitz, may decide to go along.

The Culver amendment states that

if at some later date the president

wants to build a carrier as big as the

Nimitz, or a conventionally powered

one of the same size, he must send

Congress "an alternate program of smaller ships" to consider. The cost of the planes that go aboard a Nimitz, the price of the Nimitz itself and the cost of the ships assigned to protect the carrier total a \$30 billion target for an enemy,

Culver said in arguing for a change of course in Navy shipbuliding. The answer to precision weapons, Culver said, is "a sufficient number of smaller aircraft carriers that we can disperse around the world" so an enemy could not get them all in a sudden attack.

The argument that the Pengaton must think smaller and cheaper indesigning and building weapons thread-ed through the two days of debate(on the procurement bill, which authorizes the president to spend about \$616 million more than he requested for

"If the attack submarine is not to price itself out of the market similarly to the large carrier," said Chairman Thomas J. Mcintyre, D-N.H., of the Senate research subcomittee, the Senate should "take steps now to reverse the cost-growth trend."

The Senate Armed Services Com-

mittee in its report on the procure-ment bill directed the Navy to investigate cheaper alternatives to the Los Angeles-class attack submarine, now costing \$411 million each.

However, an amendment sponsored by Sen. Gary Hart, D-Colo., to cancel the Navy F-18 fighter program — a move that Hart said would hasten the switch to smaller carriers - was defeated by a vote of 68 to 22 Tues-

Airport changes create new problem on ground

By LANA CUNNINGHAM

Construction at Midland Regional Airport continues to cause problems and this time it has to do with various modes of ground transportation.

Midland City Council at its regular meeting Tuesday approved parking spaces for a variety of companies after listening to complaints about the locations of their current parking al-

Col. Wilson Banks, city director of aviation, explained the spaces had been allotted to The Chauffeur, a limousine service, and three taxi companies at the south end of the airport building when the baggage terminal had been moved there. But, since the new carrousel has opened at the north end of the building, the firms are requesting spaces at that location, he said.

Construction work is taking up some of that space in front of the building, while rental car agencies are allotted other spaces.

Hershel Hockman with The Chauffeur said drivers are prohibited from entering the baggage area to let passengers know the service is available. He also said the public address system was not working to announce the service. The firm's attorney, Greg Hoosier of Austin, said the distance for passengers to walk from the new baggage area to the limousine service at the south end of the building takes

more than three minutes for "a young healthy man." The distance brings more problems for those who are senior citizens, handicapped or with children and a large amount of lug-

U.S. Brown, who is with an Odessa taxi company, said he has stopped his service at the airport because "of the friction out there."
The council decided to allot four

spaces near the baggage area for ground transportation. The Chauffeur will get two — one for the Odessa bus and the other for Midland — and one each for the Midland and Odessa taxi

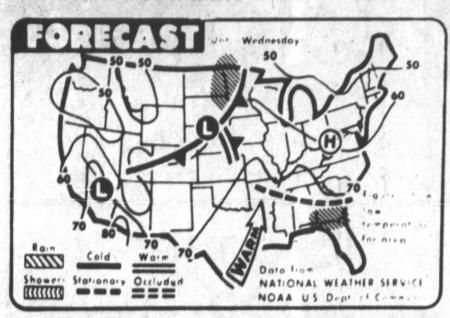
A plan to provide water and sewer services to industries along Interstate Highway 10, West Highway 80 and north of the airport was presented by James Blazer of Parkhill, Smith and

Fred Baker, city director of public utilities, explained Texas Instruments already has located in the area and Pittsburgh Plate Glass is considering a plant there. The predicted growth of the area shows the current water wells at the airport and city sewer system can not keep pace with the demand. For the area to continu development, Baker said, a water and sewer system will be needed in the

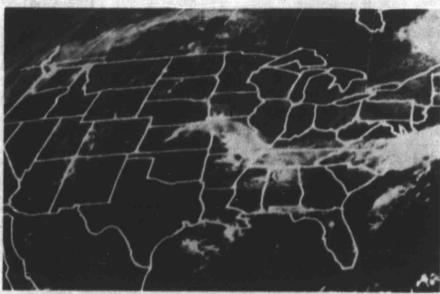
Blazer said plans estimate the

(Continued on Page 2A)

WEATHER SUMMARY



SHOWERS ARE forecast for parts of Minnesota, Wisconsin, Iowa and Kansas for today, according to the National Weather service. Showers are also due for parts of the South reaching into the Ohio River Valley.(AP Laserphoto Map)



A BAND of clouds and thunderstorms are shown in this satellite map along a front from Kansas to the mid-Atlantic Coast. Low clouds dot the northeastern states, while building cumulus clouds and thunderstorms dot the northern Gulf Coast and western Dakotas. High and mid clouds are present over the Four Corners area, while some layered clouds persist in the Pacific Northwest. (AP Laserphoto)

Weather elsewhere

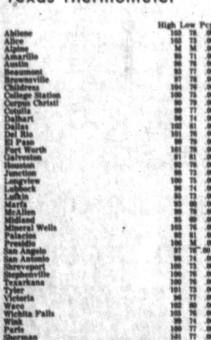
Midland statistics

MIDLAND, ODESSA, RANKIN, BIG LAKE, GAR- DEN CITY FORECAST: Fair through Thursday with
hot afternoons, High in the middle 90s. Low near 70. Southerly winds 10 to 20 mph becoming southeasterly
tonight
ANDREWS, LAMESA, BIG SPRING, STANTON FORECAST: Fair through Thursday with hot after
noons. High in the middle 80s. Low near 70. Southerly winds 10 to 20 mph becoming southeasterly tonight.

NATIONAL WEATHER CO	BVICE BEADINGS
Venterday's Wish	NY IL B REALITINGS
Yesterday's High	an fiellen
Overnight Low	
Noon today	
Sunset today	#:57 p.m
Sunrise tomorrow	6:52 a.m
Precipitation:	
Last 24 hours	0,00 inches
This month to date	0.41 inches
	4.18 inches
LOCAL TEMPERATURES	
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Texas Thermometer



Texas area forecasts

South Texas—Partly cloudy and continued bot today and Thursday, fair and warm tonight. A chance of mainly daytime showers and thundershowers east and along the coastal sections. Daytime highs from near 90 immediate coast to 105 southwest. Lows tonight in the 70s except near 80 immediate coasts.

West Texas—Generally fair today, tonight and Thursday except partly cloudy extreme west with isolated after-noon and nighttime thunderstorms. Continued hot after-moons. Highs today 83 to 107. Lows tonight 63 to 77 except near 90 mountains. Highs Thursday 90 extreme north to near 107 Big Bend valleys.

Southeast winds 10 to 15 knots raday. Seas 3 to 5 feet today and as higher in scattered thunder-

AUSTIN, Texas (AP) - Texas senators were ready to vote today on two tax-relief measures that Gov. Dolph Briscoe says would be "the largest cut-back in state tax in modern his-

Historic tax cut

vote slated today

The Senate Finance Committee quickly approved Tuesday afternoon proposals that

 Repeal the state sales tax on residential gas and electricity bills and give cities the right to repeal local taxes if they

Increase state inheritance tax exemption for estates from \$25,000 to \$200,000.

The House had similar bills on its calendar but the first action was expected today in the Sen-

Briscoe strongly recommended the utility tax repeal and inheritance tax exemption measures, which failed to pass the 1977 Legislature, in his opening speech Monday.

The Legislative Budget Board estimated the state utilities tax repeal would result in a loss of about \$125 million in 1979 revenue and about \$14.5 million for inheritance taxes for the same

However, San Antonio Mayor Lila Cockrell told the Senate committee Tuesday that the utilities tax break would mean about \$10 million in tax relief to

residents of her city alone. "I feel relief should be given where it hurts most," she said, "and that's with utility bills."

Dissidents' trials near climax today

By SETH MYDANS

MOSCOW (AP) - The trials of two of the Soviet Union's best-known dissidents neared a climax today as they threatened to become an issue at the U.S.-Soviet arms limitation talks in

Anatoly Shcharansky, 30, faces the death penalty in a Moscow courtroom on a charge of spying for the United States. He is accused of passing military secrets to Los Angeles Times reporter Robert C. Toth, who has denied the allegation.

Alexander Ginzburg, 41, is on trial in Kaluga, 100 miles to the south, on a charge of anti-Soviet activities for his distribution of dissident literature and his management of exiled novelist Alexander Solzhenitsyn's fund to aid the families of political prisoners. It would be his third conviction, and he could get 15 years of imprisonment and Siberia exile.

The trials, each before a judge and two laymen, are proceeding despite an American request that they be called off and a storm of criticism from around the world. U.S. reporters and officials were barred from the courtrooms, and word of what is going on is coming from relatives and Soviet spokesmen

Despite the strain in Soviet-American relations resulting from the trials, U.S. Secretary of State Cyrus R. Vance and Soviet Foreign Minister Andrei A. Gromyko were opening talks in Geneva today in an attempt to remove the last big barriers to SALT II. the second Soviet-American treaty to limit their stocks of nuclear weapons and the means of delivering

Vance said the talks would proceed despite American displeasure over the trials. But he was to deliver a message from President Carter to Soviet President Leonid I. Brezhnev expressing U.S. concern. He also planned to meet with Shcharansky's wife Natalia, who is on her way to the United States to drum up support for her husband.

Eleven witnesses testified Tuesday that Shcharansky, a Jewish computer expert, engaged in "concrete espionage activity and assisting a foreign state in hostile activity against the U.S.S.R.," a court spokesman told

The spokesman said Shcharansky was accused of passing on to Toth the locations, security classifications and personnel of military-related industrial enterprises and of helping him make contact with scientists engaged in secret work

eral articles he wrote on scientific subjects which he said were classi-Witnesses said Shcharansky re-

Though he did not mention Toth by name, the spokesman referred to sev-

ceived instructions and pay from abroad for providing classified infor-

Since Tuesday's proceedings were closed because of the classified nature of the testimony, relatives who attended the first session Monday could not confirm or dispute the official account.

The Ginzburg trial Tuesday was marked by shouts of protest from his wife Irina which twice interrupted the proceedings and caused her ejection

Doubts cast on nuclear waste disposal plans

WASHINGTON (AP) - A White House study cast new doubts Tuesday on the long-range suitability of nearly all current proposals for storing nuclear wastes underground.

Even deep salt beds, a leading contender as a permanent resting place for atomic wastes, got poor reviews in the report prepared by the president's Office of Science and Technology Pol-

long periods of time, either the heat from the radioactive wastes or water that might leak into the burial site could pose major problems, the study

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Although salt is usually stable for

The report was prepared for a task force which President Carter named earlier this year to recommend guidelines for selecting national nuclear waste disposal sites.

Most wastes from nuclear weapons are now in temporary storage in federal repositories in Washington, Idaho and South Carolina. Those from commercial nuclear reactors are being held at the reactor sites them-

selves, in cooling ponds. John M. Deutch, head of the task force, told a House interior subcommittee a solution to the waste disposal problem is still years away, although the panel hopes to present some general recommendations to Carter by Oct. 1.

"I'm not here today to tell you that a solution is at hand, nor that it will be easily obtainable tomorrow," Deutch

said. The administration made the disposal-site report available to the energy and environment subcommit-

(Continued from page 1A)

during introductory remarks to the 60

persons gathered for Tuesday's hear-

choices. Utilities could use gas, oil,

coal and they were just beginning to

look at nuclear power. Now the oil

option is not there. The same can be

said of natural gas and we are having

severe problems with coal. And un-

less things are going to change we are

O'Leary noted that California has

already forbidden the licensing of

nuclear power plants until there is a

not going to have a nuclear industry,"

'Ten years ago we had a wealth of

On the subject of salt-formation burial, the study said the presence of even a small amount of water could dissolve some of the salt and open a path for the wastes to leak out.

And the heat given off by the radioactive material itself could cause salt formations to expand considerably, possibly fracturing overlying rock structures, it said. 'With conservative engineering

salt may be an acceptable repository medium," the report said. "However, salt is soluble and does not provide the (water-holding) qualities of rocks.

It also said that salt is extremely corrosive and may enter into chemcial reactions with either the nuclear waste or the container it is kept in.

"All of these could be troublesome in the event of breachment of repository integrity," the report said.
Such salt formations are located

along the Gulf Coast and in New Mexico, Utah and in parts of the mid-continental and eastern United Granites - another top contender

for burying nuclear wastes - present problems because they are easily fractured by natural forces, requiring extremely deep disposal sites, the report said.

And shale - found in thick deposits in the Midwest and West - often undergoes structural changes when subjected to the kind of heat that would be given off by decaying nuclear wastes, raising questions about its suitability, the study said.

The report also said there are key problems with using basalt, volcanic rock or anhydrite (calcium sulfate) formations as burial sites.

Cover-up of nuclear waster study charged

solution to the nuclear waste disposal

part of the country's first attempt to

come to grips with the problem of

nuclear waste disposal, a project that

"was at the bottom of the pile" for the

old Atomic Energy Commission. As a

result of this poor planning, "we've

had some disgraceful happenings at

military waste storage areas. It was

only by luck that nothing serious oc-

Railroad Commissioner Mack Wal-

lace asked DOE for "full local partic-

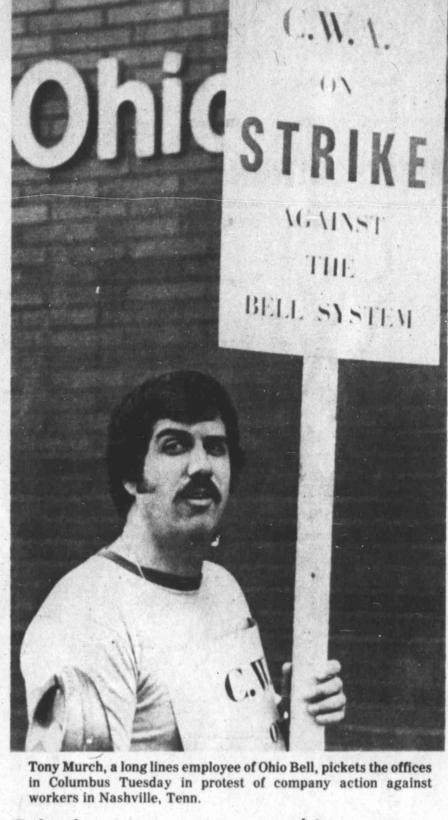
ipation" in the transportation plan-

Through a representative, Texas

O'Leary said the WIPP proposal is

problem.

curred.



Telephone company working out strike by phone - how else? workers. The South Central Bell

NASHVILLE, Tenn. (AP) - Perhaps influenced by a telephone company jingle that says "long distance is the next best thing to being there,' phone company negotiators worked by phone trying to end a strike by key long-distance personnel.

Involving about 3,000 skilled workers, the strike spread Tuesday from Nashville to Mississippi

The wildcat walkout was set off a day earlier when nine American Telephone & Telegraph employees in Nashville were suspended after de cliping to cross a picket line set up by

South Central Bell Telephone Co

Tanning weather here for a while

The summer vacation is almost half over, and if any Midlanders have yet to receive a good tan, Thursday may be a good day to work on it.

The weatherman with the National Weather Service at Midland Regional Airport said it should be fair through Thursday with hot afternoons.

The high should be in the middle 90s, nowhere near the record high of 105 degrees set in 1964. The low should be near 70. The record low for today is 55 degrees set in 1936.

Southerly winds of 10 to 20 mph should be turning southeasterly tonight, the weatherman said.

Clear skies and high temperatures were reported by area towns early

In a statement read into the hear-

ing record, Wallace said: "It would be

foolhardy to proceed with transpor-

tation of these materials without the

full participation by the people in the

communities through which these

The present timetable for WIPP is

to have an environmental impact

statement prepared by January 1979

and to ask the Nuclear Regulatory

Commission for a license in the spring

expected in early 1981. If the project

is approved, it would take four years

of 1979. A decision from the NRC is

ning stage of WIPP.

materials travel.'

workers were protesting having to work six days a week. Wildcat walkouts were reported in

Memphis and Nashville; Kansas City, Mo.; Oklahoma City; Louisville, Ky.; Jackson, Miss.; Greensboro, N.C. Detroit; and Columbus, Toledo and Dayton, Ohio.

The walkout had not disrupted long-distance service, said Mike McCorstin, a spokesman at AT&T's headquarters in Bedminister, N.J.

Construction

at airport creates ills

(Continued from page 1A)

growth and needs on a large basis. Recommended plan by the firm calls for three water lines to the area which is described as being bordered on the east by Midland Drive, on the west by FM 1788, on the south by I-20 and on the north by Highway 80 and an area north of the airport. To deal with sewage, Blazer said the best plan drawn by his firm suggested constructing a reclamation plant south of the airport and I-20.

In other action Tuesday, Hoyt Morgan was granted a new 10-year lease for the restaurant and cocktail lounge at the airport. While his contract will not expire until August 1979, Morgan is planning to put about \$80,000 in improvements into his operations and wanted to be guaranteed he would have the contract, Banks told the council.

Approved on first reading were ordinances setting a 20 mph speed limit along North I Street and authorizing stop signs along the street. Approved on second reading were similar ordinances that apply to North L Street. Contracts for construction of the

fire substation to be located at Haines Street and Midkiff Road and for the pro-shop and concession stand at Hogan Park Golf Course were approved

Approved on second reading were ordinances prohibiting glass containers in public parks and playgrounds and a rate increase for Tall City Cable TV Co. A request to put up for bid a tract of land at the corner of North A Street and Wadley Avenue for an apartment complex was delayed.

The city denied a liability request from Kote-Line Inc. of Odessa for insulation installed on the Parks and Recreation Department gymnasium

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Float depicts history of Stanton area

(Continued from page 1A)

O'Leary said.

judges had picked their favorites but before any public announcement on the results had been made.

As it turned out, the float didn't faze the judges. Maybe the historical significance of the float didn't impress the judges. What got their favors were floats keyed to the songs "She'll Be Coming Around the Mountain," "In Old Shanty Town" and "On a

Bicycle Built for Two.' What happened to their perspec-

Back in 1881 in its westward move, the Texas & Pacific set up a little ole' section house named Grelton out in the middle of nowhere. Settlers came. The first to Grelton were five priests, some says monks or friars, from the Order of Carmelites. Families came, more were created, and, because of the Roman Catholic influence, the

settlement name became Marienfeld,

meaning "Field of Mary." The drought of the mid-1880s came, farms and ranches were broken up and many from the old faith pulled up stakes and moved on.

And in their stead came Protestants, though Marienfeld still was very much Catholic

But, in the 1890s, the Protestants called for a vote and got the town named Stanton. It namesake was Edwin McMasters Stanton, Abe Lincoln's secretary of war.

book Mrs. Reid was taking orders for will tell about those early days in Grelton, Marienfeld and Stanton and in such Martin County comnities as Countney, Lenorah, Tar-Walcott, Flower Grove, Three agus, Ackerly and Grady. The k, too; will take in Mustang Draw. It'll describe the years from 1881 to

Jerry Register, the new Stanton police chief, is learning the ins and outs of Martin County. One way is to take heed of Dan Saunders, who's into

his second quarter-century as sher-

Register, a former Midland County deputy under Sheriff Ed "Big Ed" Darnell, said Saunders has made his mark on the territory.

"Oh, yeah, Dan gets along with anybody. Dan is Mr. Martin County. He kind of sets the pace for the county. He's nice to work with." Just don't start to misbehavin'.

For oldtimers and newcomers alike: Aug. 5, a Saturday, is the date of the Sheffield Reunion, formerly called the "Ole Timers Reunion." Those who want to join in the 10 a.m. parade ought to bring along their horses, surreys, buckboards and antique roadmobiles.

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By DAVID The Los An

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Zodiac investigator demoted for writing letter

By DAVID JOHNSTON The Los Angeles Times

SAN FRANCISCO - The crack homicide detective who alone for nine years has pursued the mysterious Zodiac killer has been demoted from the homicide division to the pawn shop squad for writing letters over fictitious signatures to a newspaper seeking favorable comment about him-

Inspector David R. Toschi readily admitted writing the letters to Armistead Maupin, whose fictional newspaper serial, "Tales of the City," was a popular feature in the San Francisco Chronicle in 1976-77.

But Toschi denied Maupin's suggestion that he also wrote an April 24 letter from the Zodiac, the first communication in four years from the mystery man suspected of six random shootings in 1969-70.

Police Chief Charles R. Gain said he demoted Toschi for writing the letters to Maupin. Gain said the authenticity of the latest Zodiac letter is now in question. He would not comment on whether police think Toschi wrote it but said there is no evidence that he

Other sources, however, confirmed an investigation into whether Toschi wrote the latest Zodiac letter is under

way."
"It was a very foolish thing to do,"

Toschi said of the letters to Maupin. "I am ashamed of it."

Toschi said he wrote the letters to Maupin, using a fictitious name, only because he was exicted to see his name in the serial and wanted it to continue

Maupin, in a prepared statement, said he considered the letters "harmless" and went to the police only after he noticed "certain similarities between the tone of the letters (to him) and the tone of the latest Zodiac let-

Maupin, who brought the matter to the police 18 months after he got the letters, called a press conference

But he refused to answer any questions and said that a story about Toschi and the letters will appear in New West magazine's issue. He denied the episode was a publicity stunt. Asked by reporters if he was the Zodiac, Toschi dismissed the idea as

absurd. Toschi, who turned 47 Tuesday, has been a policeman here for 25 years and a homicide investigator for 18 years. Usually, a department spokesman said, homicide detectives work in pairs, but Toschi worked alone on the Zodiac case.

The Zodiac was the name the gunman gave himself in a series of cryptic letters, some written in code, that he sent to the Chronicle and two other newspapers when he was terrorizing the Bay Area. Zodiac claimed in one letter to have

killed 10 peprsons.

The April 24 letter to the Chronicle said Zodiac is "back with you. Tell Herb Caen (the Chronicle columnist) I am here, I have always been here. That city pig Toschi is good, but I am smarter and better...he will get tired then leave me alone. I am waiting for a good movie about me. Who will play me. I am now in control of all

Toschi had once said he would eventually catch Zodiac because he was smarter than the killer. Sherwood Morril, retired chief of

permit.

the California Bureau of Criminal Identification, who examined all the Zodiac letters, said he is certain the April 24 letter was from "the real

Morrill added that "if Toschi wrote the last one he's the Zodiac. He wrote

But Morrill said he thought, instead, that Toschi was being framed. "My suspicion is that somebody is after Toschi," Morrill said.

Robert Prouty, who now heads the questioned document office, said he believes the April 24 letter was written by someone other than the real

Proponents of Stacy Dam project address Texas Water Commission

By SUSAN STOLER

AUSTIN, Texas (AP) - West Texas needs reliable sources of future water supplies, proponents of the Stacy Dam project on the Colorado River told the

Texas Water Commission Tuesday.
The Colorado River Municipal Water District has asked for authority to build the dam-and-reservoir project near Ballinger and divert 113,000 acre feet from the Colorado River annually

The Lower Colorado River Authority, the city of Austin and Lake Travis residents say the project would divert too much water from downstream communities which depend on the Highland Lakes system along the Colorado River.

Water needs developed faster downstream along the river than in West Texas, said Fred Booth, attorney for the water district.

'At the time the LCRA was created in 1934, the people of West Texas were concerned about the possibility of having all resouces of the water basin being appropriated at the lower end of the basin where the need was developing earlier," Booth said during the hearing's opening day.

Under a 1931 law known as the Wagstaff Act, municipalities have a right to appropriate water for public supply, he said, drawing a retort from

land, Stanton, Odessa, Big Spring, Snyder and other communities.

> Lynda's SUMMER

"No city has applied under the terms of the

Wagstaff Act to appropriate water, only the district

has done that," Werkenthin said. "The application

was triggered because of the needs of Texas Utility

Service Inc. and its related power sources. The

district contracted with them to apply for such a

The district supplies water to San Angelo, Mid-

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Tentative date established for first Hart murder trial

PRYOR, Okla. (AP) - Oct. 4 has been tentatively scheduled as the date Gene Leroy Hart will go to trial on the first of three, first-degree murder counts filed against him in the slayings of three Girl Scouts last year.

Hart's attorneys expressed doubt that they could be ready for trial on that date, penciled in Tuesday by District Judge William J. Whistler.

Whistler, who apparently will preside at the trial, set the date during an informal meeting with Hart attorney Gary Pitchlynn and Assistant District Attorney Royce Hobbs.

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Hart was bound over last week at the conclusion of a 14-day preliminary He was charged 10 days after the

June 13, 1977 sex slayings of the three young Scouts at Camp Scott, near Locust Grove. Whistler said Oct. 4 "is my project-

ed trial date," but he indicated it could be changed. "We could live with it in late November or early December," Pitch-

lynn said. "We prefer January." Also Tuesday, Whistler rescheduled District Judge Jess Clanton, who presided at the preliminary hearing, had orignially scheduled it for July 18.

Whistler delayed the arraignment so defense attorneys will have several @

weeks to study transcripts of the hearing.

Whistler turned down a defense motion that Hart be transferred back to the Mayes County jail here from the Oklahoma State Prison at McAles-

Sheriff Pete Weaver wasted no time transferring Hart out of his jail after the hearing concluded July 6, citing security precautions.

Whistler said he would "reconsi'der" letting Hart stay in the jail after he is returned here the day before the arraignment. In 1973, Hart escaped twice from

the Mayes County jail. He remained a fugitive following the second escape, in September 1973. He had been serving sentences for kidnapping, rape and burglary.

Hart was recaptured April 6 at an isolated shack some 50 miles from the Girl Scout camp.

Lori Lee Farmer, 8; Michelle Guse, 9, and Doris Denise Milner, 10, all of the Tulsa area, were bludgeoned and sexually molested on the first night of what was to have been a two-week encampment.

The charges against Hart were combined for the preliminary hearing, but prosecutors are expected to announce at the arraignment which of the charges they want to prosecute

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Many, Many Others



Health planning workshop set at regional airport

The Permian Basin Health Systems Agency will conduct a Health Plan-ning Workshop starting at 10: 15 a.m. Saturday in the conference room of the West Texas Education Building at

Midland Regional Airport.

The workshop will try to establish the direction for development of the Permian Basin Health Systems Plan for the year running from May 1978-May 1979. The two-hour session also will emphasize the responsibility of those involved in the health planning

Participating will be the PBHSA governing body members and the

Task forces are set up in the areas of perenatal, emergency medical services, heart, cancer, communicable diseases, drug abuse, mental health, alcoholism, mental retardation, end-

rehabilitation and environment.

stage renal disease, dental health,

The workshop is open to any resident of the Permian Basin who would like to work on a task force, said a spokesman. Anyone who is interested in serving on a task force may obtain further information by writing to the Permian Basin Health Systems Agen-

Diving chamber to aid research SAN ANTONIO, Texas (AP) — Southwest Research Institute engi-

neers are readying a new deep diving research facility, a submarine-steel chamber that can be used for simu-lated dives to ocean depths as great

If you think that sounds a little deep, you're right. It's 1,600 feet deeper than a diver has ever gone in such a chamber and 2,000 feet deeper

than any open-sea dive.
"It is the only man-rated civilian chamber of its depth rating in the United States, to my knowledge," said George Wolfe, engineer in charge of the program at SWRI.

The chamber, designed, construct-

University Medical Center in Durham, N.C.

The facility will significantly extend hyperbaric research capabilities beyond Duke's present depth simula-tion limit of 1,000 feet.

Made of submarine grade HY-100 steel, the chamber consists of a

sphere almost eight feet across, sitting atop an upright cylindrical "wet pot" six feet in diameter. It is designed to operate at pressures to 1,600 pounds per square inch.

Experimental divers, SWRI officials said, have reached the equivalent of about 2,000 feet in a chamber and have gone to depths of 1,600 feet in the open sea. They said 1,000-foot

But the efforts to find and develop offshore oil and natural gas resources have helped provide impetus for the study of ways divers can live and

work at even greater depths.

Capabilities of the new chamber will permit investigations into many questions affecting t'ne physical and emotional health of deep sea divers.

Researchers hope to determine safe compression and decompression procedures for very deep dives and further investigate medical disorders, such as the high pressure nervous syndrome that causes dizziness, nausea, vomiting, tremors and brain

wave irregularities in divers. Duke's F.G. Hall Laboratory for and medical research involving the application of oxygen at low or high pressures. Duke's six-chamber hyperbaric unit went into service in

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The new chamber, designed to accomodate two-man teams of divers, will be attached to the exisiting facility so that living quarters can be provided during protracted experimental

Deep sea divers, SWRI officials ex-plained, often spend several days in a diving bell to complete a job at great depths. They must remain at that pressure during that time, even after being brought out of the water each night, because the lengthy decom-



Black art adorns Texas Southern University walls

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HOUSTON (AP) - Their first assignment was to brighten the walls of the one-room art department. They painted murals.

And over the past 29 years, generations of art students at Texas Southern University have covered the walls with the story of their lives and

Although the murals in Hannah Hall, the school's administration building, are not always in chronological sequence, they are an expression of the artistic and social consciousness of black students, many of whom came from dirt-poor rural backgrounds and had never had formal er influenced by the Mexican muralists, started the department in 1949. Decoration was not the main purpose of the murals, he said. Rather it was more important "to create an atmosphere and a much-needed identity" in an environment indifferent to black cultural awareness and hostile to the notion of Negro art.

"If education deals with honesty, then this experience has been one of people coming back to what had been taken away from them," Biggers said. "Many of our students had never seen anyone paint a picture before. But each has to do a mural before graduating.'

One of the earliest murals depicts the development of black education. preme Court decision declaring an end to school segregation.

The central figure in the mural is Booker T. Washington. On his left recently freed slaves come into contact with formal education through the Freedman's Bureau, while on his right, row upon row of black doctors and lawyers emerge from Greek-co-

lumned buildings. Most of the murals depict civil rights themes that reflect a growing militancy and disenchantment among black students.

One, "Campus Life: Turmoil of the 60s" by Maurice Ellison, shows young blacks interposed with American flags, eagles and skulls and Richard Nixon. Two posters read: "America "Black people please wake up." Harry Vital, a former student who

now teaches mural painting, said the biggest difference between TSU art students today and those in the late 1950s and '60s is their lack of direct experience with nature and rural set-

"Dr. Biggers always stressed the importance of our rural back-grounds," he said. "Now a lot of the kids have never seen a horse or a rooster."

Biggers, a noted muralist, painter and author, said increasing urbanization is having a profound effect on his

"Kids today are more chaotic. The whole ghetto thing is putting them out

Art and technology came into conflict one day in 1976 when several students rushed in to tell Biggers some men with sledgehammers were knocking down the murals. School officials had decided to install a computer center, he said, and wanted to replace the wall with glass.

'Black college administrators have historically not been interested in art," he said. "They didn't see it as a way for black students to make any money.

The destruction of several murals, without the knowledge of the art department, is still a sore point at the predominantly black school. But Biggers and others took it as a sign they had to move ahead with a project to

Black Art in Houston: The Texas Southern University Experience" tells the story of the struggle to encourage students to come to terms with their heritage long before searching for roots was a popular thing to do.

Published by Texas A&M Press and sponsored by Houston art patron Susan McAshan, the book contains photographs of the murals that were destroyed and some of those remaining as well as works by Biggers and his students.

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DEATHS

Mary Webster

McCAMEY - Mary Frances Webster, 52, of McCamey died Tuesday after a lengthy illness. Services will be at 10 a.m. Thursday

in First Christian Church in McCamey. Burial will be in McCamey Resthaven Cemetery directed by Larry D. Sheppard Funeral Home of

She was born July 17, 1925, in Corsicana. She married H.M. Webster Jr. in 1959. She was a member of the McCamey Country Club. Survivors include her husband; a

son, Wayne Loyd Locke of Dallas; a sister, six brothers and four grand-

Social Security ripoffs now rare

BALTIMORE (AP) - Social Security Administration officials, smarting from criticism of the security of their files on 170 million Americans, say computer crime and ripoffs by

employees have been a rarity.
The agency, which has 85,000 workers, found only 14 cases last year and 19 this year in which its employees made false claims or engaged in other frauds with Social Security computers, Don I. Wortman, the acting commissioner, said Tuesday. None involved large sums, he added.

The SSA already has installed some of the safeguards in its massive computer system that the General Accounting Office said it lacked, and the agency is gearing up to add more safety features later this year, Wort-

The agency paid out \$103 billion in benefits last year to 33 million people who were retired on Social Security, disabled, on Medicare or welfare, or to their survivors.

Wortman said that despite the enor-mity of that sum, most of the monthly benefit checks that flow out of his agency are for small amounts - \$254 for the average retired worker or \$284 for a poor couple receiving Supplemental Security Income benefits.

An insider who wanted to cheat the

gency on a large scale would be involved in "too many small transactions" to escape notice, Wortman in-sisted in an interview. Any benefit check over \$10,000 is automatically "kicked out" of the computer and reviewed, he said.

The GAO auditors did not themselves uncover any fraud by agency employees, but they cited past incidents involving its workers:

—One sold Social Security cards to illegal aliens.

—Another reaped \$20,000 by re-directing Social Security payments to

himself when someone died. -Two employees fabricated 14 ac-counts and collected \$55,000 before they were discovered

-One worker sold information to a company "in the business of locating missing persons."

The GAO pinpointed "weaknesses in the computer system that links the more than 1,300 SSA offices across the

It said access was unlimited to

some of the 3,900 computer terminals that tie into the system, and most could create new files as well as call up information from existing ones.
Also, there was no way of knowing precisely who was using the computer.

A previous GAO report faulted the SSA for allowing several auditors to leave the central computer room at its headquarters here with tapes con-taining beneficiaries' records.

Federal guidelines disturb board president

By ED TODD

Trustees of the Midland Independent School District on Tuesday tabied a motion to modify the wording of a proposal, addressed to the federal government, on providing bilingual education for students with limiting English-speaking abilities (LESA).

The Midland public schools already provide such services, primarily to

Spanish-speaking pupils, but the mode of teaching falls short of guide-lines set up by the U.S. Department of

Health, Education and Welfare.
"It disturbs me," Board President
Johnny Warren said, "that the government, with nobody complaining, comes in and tells us we're not doing a

satisfactory job."
The Midland school system is one of about 60 Texas independent school districts threatened with losing grants under the Emergency School Aid Act (ESAA) if they do not conform to HEW guidelines.

Grain storage subject to new federal rules

WASHINGTON (AP) - Labor blamed business. Business blamed government. And government announced a new set of regulations as the International Symposium on Grain Elevator Explosions concluded its first day of meetings.

Since 1976, explosions have rocked 43 grain elevators in this country, killing 85 and injuring 179 others.

Assistant Secretary of Agriculture P.K. "Bobby" Smith announced Tuesday the USDA will require elevator operators to submit detailed safety and maintenance plans for each

"The submission and implementation of these plans will be a condition of receiving and keeping weighing and inspection services," warned Smith who added: "It is our objective that these plans be developed and implemented by mutual cooperation between the industry and USDA."

John E. Albertson, safety director of the American Federation of Government Employees which includes federal grain inspectors, lauded the USDA announcement while blasting the elevator operators.

"Just like any other business, when profits are big, safety can become a nuisance and the international grain industry is extremely profitable, to the tune of hundreds of millions of dollars," he said. "The tragic statis-tics — 50 injured, 50 dead, 13 of the dead federal grain inspectors, 23 exolosions in a period of 20 months bear out the fact that safety has received scant atention by the indus-

Probably all of the 89 export elevators overseen by the USDA will comply with the USDA wishes, said James Maness, one of the industry spokesmen taking part in the two-day

symposium. But government and business spo-kesmen differed on the future treat-ment of grain dust—the volatile, finite particles of grain that haunt most elevators and are one of the chief catalysts in most explosions. In most American grain elevators, the dust is re-introduced into the grain as it travels through the elevator to

maintain weight.

Industry spokesmen are split on the grain dust question, realizing the dollars that will be lost if dust is prohi-

bited from re-entry.

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The Midland school district, to operate under a \$25.8-million budget in the 1978-79 school year, has applied for \$325,000 under ESAA.

Trustee Ann Page expressed con-cerned that a teacher's switching languages for the benefit of a few in a classroom would not serve to "enrich" the education of all students.

"I would think the parents in this community are going to be upset about this, and I don't blame them," However, Bill Cormack, coordina-

tor for fine arts and migrant programs, said that the HEW guidelines allow for limited but separate facilities for those deficient in En-

"They told us that we could segregate the students for no longer than two periods" without violating their civil rights. Those periods primarily would be set aside for "language arts" instruction.

"It's not going to force Spanish on

English-speaking students," Trustee Joe Dominey said of the normally integrated classroom situation.

More than 1,300 of Midland's ap-

proximately 15,000 public school stu-dents have been identified as LESA

"She (the bilingual teacher) is supposed to be teaching in Spanish to teach the students English as soon as possible," Cormack said.

Cormack noted that most LESA students are concentrated in the primary grades. And, concerning the bilingual classes, he seemed to address himself to Mrs. Page's concern over classroom enrichment.

"We're not going to be enriching students," he said. "We're going to be 'bilingualing.'''
The school board is to act on the

Superintendent Dr. James Mailey and his staff, in its July 25 meeting. Trustee Ed Runyan, who had made the motion to table action on the

proposal, to be revised by Schools

The letters to the CAB

were drafted by Demo-

cratic members of the

Minnesota delegation —

Sens. Humphrey and

Wendell Anderson and

Reps. Donald Fraser and

bilingual plan, said the board was "under a lot of pressure to meet a nebulous situation . . . in chasing some money we might or might not

In other business, the trustees:

-Considered the premise, submit-ted by controllers of two downtown Midland banks, that the tax assessment on "monied capital" is too high. 'Monied capital is taxed differently, and it (in banks) is the only monied capital in this city that is not taxed," said Bob Jones, vice president and controller of The Midland National Bank. "Savings and loans are not taxed." The board told Jones and Dan Mitchell, controller for The First National Bank, that any lowering of the taxes on monied capital should be taken up with the Midland City Coun-

—Took notice of a projection by Don Furgeson, the schools' business manager, that the school district would have a \$300,000 surplus at end on the 1977-78 school year.

-Approved a 10 percent cost-of-living pay increase for the system's non-professional employees, including secretaries, clerks, grounds keepers, maintenance personnel, cafete-ria workers and others. "That's not much money," said Warren, as he looked over the salary and wage schedules.

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-Approved pay hikes for administrators and postponed action on raising Mailey's salary. The top pay approved by the trustees ranged from raises of \$29,179 to \$32,097 annually each for Assistant Superintendents Douglas Brown and Garland Chapman. Low-end of the administrative pay raise was from \$17,020 to \$20,640 for Wilson Heidelberg, purchasing

-Awarded KBAT and KCRS radio stations contracts to broadcast Midland High and Robert E. Lee High schools footballs games for the up-

Airlines' 'strike benefit' fund under fire

WASHINGTON (AP) - The airline industry's 19-year-old "strike benefit" fund is under fire from lawmakers fed up with the Northwest Orient Airlines shutdown that has disrupted the nation's air traffic since

"We're getting awfully tired of this strike," says Sen. John Melcher, whose Montana constituents depend heavily on Northwest. "The airline has an economic crutch for extended strikes. If they can't end the strike, we ought to take away the crutch."

The "crutch" is the industry's Mutual Aid Pact, which provides an airline with a generous revenue cushion during a strike. Northwest receives 35 percent of its normal operating expenses from the fund, set up with 15 other airlines. As of today, Northwest mutual aid benefits are believed to total \$76.4

Seven senators and 26 representatives have asked the Civil Aeronautics Board to end the pact, which can allow an airline to turn a profit even during a prolonged shutdown.

"Both management and labor must operate under an economic in-centive" to end the strike, the senators told the CAB. "This incentive is removed from management when the airline is enabled to avoid financial loss under the mututal aid pact." The CAB is currently

considering a fifth extension of the pact, which was established in 1959. A staff recommendation to the board is expected

in several weeks.

A strike by Northwest pilots began April 29. The

SHOE company is known for its long, often bitter labor disputes, and an official at a competitive airline said Tuesday, "This one could end tomorrow, next year, or never."

Tougher banking bill before House

WASHINGTON (AP) - With its progress hastened by the Bert Lance case, legislation designed to toughen regulation of banking is out of committee and before the full House.

The measure cleared the House Banking Committee on Tuesday after a year of work.

The bill deals with overdrafts and other transactions that led to government investigations of Lance, the former budget director who once headed banks in

The measure would prohibit overdrafts by major stockholders and bank executives and limit their borrowing to 10 percent of a bank's capital. Public disclosures of loans would be required.

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The Air Line Pilots Association says that the Mutual Aid Pact "has served to prolong the strike at Northwest Airlines." Northwest officials say the pact is the industry's version of strike benefits, noting that the pilots' union runs a similar mutual aid agreement that provides strike benefits of \$750 a month.

But a spokeswoman for Sen. Muriel Humphrey told a reporter that the comparison is unfair because the industry agreement allows the company to make a profit, eliminating the

Bruce Vento. Other signatures came from lawmakers from Alaska, California, Florida, Illinois, Kentucky, Maryland, Massachusetts, Michigan, Montana, New York, Ohio,

ta, Washington, West Virginia and Wisconsin. The airlines seeking extension of the pact include the nation's largest

Oklahoma, South Dako-

along several of Northwest's routes. United spokesman Jim

Linse, recalling a 16-day machinists strike in 1975. says, "It's our experience that there's no way to cover all the losses through mutual aid payments. In 1975, he said, United received pay-

Airlines, which operates ments of \$48 million and incurred a loss during the month of the strike of \$20.7 million.

Northwest may fare better that that, however. In 1970, the airline turned a \$44 million profit despite a 160-day strike. Its mutual aid benefits totalled \$47 mil-

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Homemade bombs explode

MANAGUA, Nicaragua (AP) — Homemade bombs exploded in Managua and several other cities during the night following three days of ainti-government protests in which nine persons were killed and 41 were injured.

Four demonstrators were hurt in fist fights

were hurt in fist fights with soldiers in Estell, 90 miles north of Managua, the Red Cross reported. Troops also fired over

protesters' heads and hrew tear gas grenades at demonstrators in Rivas in the south and in Leon to the east, but no njuries were reported.

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Today's opening stock market report

New York Exchange

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Mutual funds

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Cus K1 7.44 8.13 Cus K2 5.23 5.71 Cus S1 17.30 18.91 Cus S3 8.52 9.31 Cus S4 4.79 5.23 Polar 3.46 3.79 Lexington Grp: Cp Ldr 12.14 13.38 Lex Gr 12.09 13.21 Lex In 9.86 10.78 Lex R 14.57 15.92 Lex R 14.57 15.92 ife Ins 8.76 9.58

Lex R 14.57 15.92 Life Ins 8.76 9.58 Loomis Sayles: Capit 12.85 NL Mut 13.10 NL Lord Abbett: Affiltd 7.38 7.96 Bnd db 10.80 11.80 Dev Gt 16.56 18.10 7.00 3.21 3.47 Lutheran Bro: Fund 10.01 10.94 Incom 8.78 9.60 Muni 9.39 10.28 US Gov 9.38 10.25 Massachusett Co: US Gov 9.38 19.25
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MIG 8.88 9.57
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RdAst 1.00 NL
SoVal 9.51 9.97
Micl AM 5.36 5.88
Mon Mkt 1.00 NL
MONY F 9.12 9.97
MSB Fd 14.29 NL
Mut Ben 9.05 9.89
MIF Fd 7.72 8.35
MIF Gth 4.28 4.63
Mutualof Omaha:
Amer 11.09 11.61
Grwth 3.97 4.32
Incom 8.99 9.77
TxFre 14.10 15.33
Mut Shrs 34.20 NL
Natl Ind 11.23 NL
Natl Ind 11.23 NL
Natl Secur Ser:
Bellan 9.22 9.94
Bend 4.38 4.72
Divid 4.13 4.45
Grwth 5.69 6.13
Pf Stk 7.19 7.75
Incom 5.66 5.99
Stock 7.78 8.39
NELIfe Fund:
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Grwth 19.00 11.74
Ineom 13.23 14.38
RetEt 17.54 19.07
Grwth 19.00 11.74
Ineom 13.23 14.38
RetEt 2 15.35 16.68
Neuberger Berm:
Enrsy 14.36 NL s Group: 4.76 5.20 11.93 13.04 7.86 8.59 10.92 11.93 Neuberger Berm:
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Guard 27.70 NL
Partn 10-97 NL
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Nomura 13.12 14.11
Nomeast 13.98 NL
Nuveen 9.26 9.70
Omega 10.09 10.21
One Wm 14.32 NL
Oppenheimer Fd:
Oppen 5.97 6.52
Inc Bos 8.27 9.04
MonB 1.00 NL
Optn 23.36 25.42
TxFre 8.72 NL
AIM 10.10 11.04
Time 9.47 10.35
OTC Sec 16.14 17.94
Param M 9.59 10.42
Penn Sq 7.38 NL
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Pilgrim Grp:
Pil Fs 12.79 13.57
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Inv Bos 9.30 10.12
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IDS Bd 5.56 5.76
IDS Grt 6.71.
IDS ndi 5.27 5.72
Mutl 5.72 9.48
Prog 3.45 3.75
TaxEx 4.63 4.82
Stock 17.80 19.13
Select 8.87 9.54
Var Py 6.77 7.36
Inv Resh 6.40 6.90
Intel 21.03 21.88
Inv Resh 6.40 6.90
Intel 21.03 21.88
Inv Resh 6.40 6.90
Intel 21.03 21.88
Inv 8.10 NL
Jp Grth 10.25 11.14
Janus F 21.02 NL
John Hancock:
Balan 8.47 9.21
Bend 18.14 19.72
Grwth 5.82 6.33
Johnstn 20.51 NL
Kemper Funds:
Incm 10.22 10.87
Grow 48.31 9.08
Hi Yld 11.62 12.46
Men M 1.00 NL
MunB 10.21 10.70
Optn 13.11 14.33
Summ 13.61 14.87
Tech 8.18 8.94
Totk 14.61 14.31
Keystone Funds:
Cus B1 18.89 17.84
Cus B2 18.87 20.41
Cus B2 18.87 20.41

Rainbw 2.40 NL
Reserve 1.00 NL
Revere 5.17 NL
Safec Eqt 9.74 10.64
Safec Gth 11.46 12.52
StPCap 8.46 8.96
StPGwt 9.15 9.73
Scudder Stevens:
Com St 10.02 NL
Incom 13.62 NL
Intl Fd 15.33 NL
Man R 9.66 NT

Ultra 12.24 13.38
Selected Funds:
AmShs 6.81 NL
SplShs 12.77 NL
Sentinel Group:
Apex 3.78 4.13
Balan 7.45 8.14
Com S 11.42 12.48
Grwth 8.51 9.30
Sentry F 14.35 15.60
Shareholders Gp:
Cmstk 7.07 7.73
Entrp 5.78 6.32
Harbr 8.79 9.61
Legal 6.68 7.30
Pace 15.86 17.33
Shearson Funds:
Appre 19.26 21.05
Incom 17.88 19.54
Invest 10.23 11.18
SierraG 9.84 NL
Sierra D 22.12 NL
Sigma Funds:
Capit 9.93 10.85
Invest 9.97 10.90
Trust 8.82 9.64
Vent 8.93 9.76
SB 146Gr 12.48 13.14
SoGen In 11.75 12.30
Sw Inve 7.97 8.51

SB 14-Gr 12-48 |
SoGen In 11.75 |
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Spectra F 5.97
State BondGr:
Com F 4.23
Div Fd 4.71
Prog F 4.58
StFrm Gt 6.32
SFrm Ba 9.91 Additional StFrm Gt 6.32 NL SFrm Ba 9.91 NL State St 44.06 44.30 Steadman Funds: Am Ind 2.35 NL Asso F 1.04 NL Invest 1.27 NL Ocean 5.81 NL Stein Roe Fds: Balan 17.18 NL Cap O 9.80 NL Stock 12.11 NL StratGth 17.42 NL listings Quotations From the NASD are representative interdealer prices as of approximately 11 a.m. Interdealer markups change through the day. Prices do not include retail markups, markdown or commission.

(This OTC list is compiled by Shearson Hayden, Stone, Inc.)

Shearson, Hayden, Stone, Inc.) Baker Internation Belco Petroleum Cabot Corp. Clark Oil & Re Clark Oil & Ref.
Coastal States
Florida Gas
Fluor Corp.
General American
Helmerich & Payne
Hilton Hotels
Houston Natural Gas
Hughes Tool

Acem 6.47 7.97 Bond 6.89 7.53 Con Gr 9.06 9.50 Con line 9.22 10.08 Incom 9.44 10.32 Muni 9.27 9.66 Scien 6.34 6.33 Vanz 6.10 6.67

TRW 1.80 8 227 36% 36
Talley 1 5 54 12% 12%
TampE 1.32 9 39 16% 18%
Tandy 9 922 22% 21%
Tandycft 10 22 18% 19
Technor 40 5 188 11% 10%
Tektrox 13 409 42 40% 42
Teledon 9.14t 6 718 102% 28%
Telprmt 20 171 11% 10%
Telex 15 349 3% 5
Telex 20 171 11% 10%
Tesx 20 7 71% 11% 30%
Tesx 20 7 71% 11% 30%
Tex 20 8 4703 25% 23%
Tex 21 0 8 81 39% 39%
Tex 11 18 15 400 80% 29%
Tex 11 18 18 18 18%
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Wachov 60 9 37 18%
WaltJm 1.60 6 56 28%
WrnCom 1 8 309 44%
WarnL 1.20 12 1087 28%
WshWt 1.92 8 11 22%
WoAirl. 40 6 885 12
WoAirl. 40 6 885 12
WoBnc 1.70 7 342 37
WUnion 1.40 7 128 16%
WestgEl 97 7 1180 22%
Weyerbr 80 11 1117 25%
WheelF 1a 12 38 36%
WhiteMt 171 9%
Whittak 15c 8 226 13%
Williams 10 276 18%
WinnD 1.68 12 x37 42%
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XYZ

Xerox 211 1714 54% 53% 54 — %
ZaleCp 92 8 32 16% 16% 16% 4 6% 4
ZenithR 1 242 14% 14% 14% 14% 4 %
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Over the counter

The following lists of New York and American stock exchange listings are not reported in The Reporter-Telegram's regular daily postings for the exchanges.

(The list is compiled by

American Quasar Anico Brown, Tom Drilling afeterias, Inc. ameron Iron Works Dairy Queen Dorchester Dorchester Energy Reserves Group FNB of Midland First Texas Financial Forest Oil Corp. Franklin Life Research Fuels Stewart and Stevenson Summit Energy Tejas Gas Texas Am. Bancshares Texas American Oil

Bond sales NEW YORK (AP) -NY Bond sales Approx final \$18,180,000 \$18,450,000 Approx final Previous day Week ago Month ago Year ago Two years ago Jan 1 to date 1977 to date 1976 to date AMEX SALES Approx final stock sale Stock sales year ago Approx final bond sales Bond sales year ago

Stock sales

Approx final Previous day Week ago Month ago

Bond averages

New York Stock Exchange bond prices:
Sales
\$1000 High Low Close Chg.
AmForP 4.887 6 73 71½ 71½ -1½
ATT 4%85 39 79½ 79½ 79½ + ½
ConEdis 5887 27 75 73 73
GMotAc 5880 51 93% 93½ 93½
MoPacRy 4%20f 2 50½ 50½ 50½ 50½ 10½ +1
NorPac 4897 8 57 57 57
PacGE 5891 30 69¾ 69¾ 69¾
SearsR 4%883 2 85½ 85½ 85½
USSteel 4%896 47 64% 63½ 64½ 45½
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Treasury bonds

Edible materials

in space vessels

latest objective

his spacecraft hurtles towards Mars.

CHICAGO (AP) - The sleepy astronaut stretches and yawns, then reaches out to grab a quick snack as

He selects the control knob by his bunk. He snaps it

In Douglas Worf's world, our next space heroes

"It would pay NASA to have someone think this

may well eat the ship that carries them to the planets

In Robert DelVecchio's world, they almost did.

thing out," says Worf, a visiting professor of environmental studies at North Carolina State Uni-

"It might well save a flight someday. It might be

worth an extra thousand pounds or so. You've got to

use materials and designs for as many purposes as

possible.

"I don't know, it could well be crazy. If NASA buys it, they may be crazy too. We'll find out."

Worf was chief of biological life support programs for the space agency in the late 1950s when he first came up with the idea for "edible structural materials" — things to build space ships from that

Independent of Worf was a small group of scien-

tists at Grumman Aircraft Corp., who in the early 1960s choked back comic images of plump astronauts

and produced a pleasant-tasting, strong, board-like

substance. It was tough enough to be used in building — so tough it would break teeth, a flaw

DelVecchio's men never overcame, though they

Worf and DelVecchio thought parts inside and outside of the spaceship could be made of edible

substances, such as proteins and carbohydrates.

In an emergency, they reasoned, a desperate astronaut could survive by eating redundant systems and

nonessential parts of his rocket and ship.
"We talked about the fact that because weight was such a critical situation in spaceflight, perhaps we could build or construct structures out of material

that could be eaten," said DelVecchio, Grumman's chief aerospace physiologist. At the time, he was concerned about life systems for the lunar module —

the spacecraft that eventually landed on the moon. He sent his men to a local supermarket, where they bought nutritious but sticky foods — sugars, starches, binding agents, coloring agents, fudge and the like. Though they felt a little ridiculous about it, they planned to create a gunky mess that tasted

good enough to eat and was strong enough to make it

For a couple of months, the scientists tried various

The time and pressure we put into getting this stuff hard enough wouldn't reverse," said DelVec-

combinations of food and pressure until they came

chio. "You could suck on it, and suck on it all day, and it wouldn't dissolve. You couldn't break

For DelVecchio, the failure wasn't a major one. He had spent less than \$100 on materials.

Had it worked, he would have recommended use of the edible structural material to the lunar module

Instead, the men from Grumman went on to other

Worf, however, never lost his determination to se

the thing through. He left NASA in 1962, and since

has worked for various companies and government

agencies, including the Environmental Protection

Now 60, he sees coming soon a day when the space

agency will be making long flights - long enough to

justify use of instruments and parts that can be

Worf has asked NASA to approve a study to

determine, in part, whether reusable designs, such as edible ship parts, should be explored further. He thinks it would cost about \$25,000 a year.

The current director of life sciences for NASA at

Houston, Richard Johnson, isn't sure about the

"The practicality of having structural members you are going to consume while you fly might sound

attractive, but I don't know how the logistics would

And, he said, other research is much more impor-

contractor. He says it's possible the LEM would have

up with their edible board.

it off with your teeth."

things.

had parts astronauts could eat.

Agency, from which he retired.

eaten, if necessary.

off, sighs to himself with pleasure and begins chew-

ing, enjoying the crunchiness and mild flavor.

By STEVE WEINER

could be eaten in a pinch.

Treasury Bonds for Bid Asked Bid Chg Yid 9 99.30 100 - . 1 7.39 1 100.1 100.3 - 1 7.45 1 89.29 99.28 7.39 99.18 99.29 7.39 99.18 99.20 7.88 99.11 7.81 99.9 99.11 7.81 99.9 99.11 7.81 99.9 99.11 7.81 99.2 99.11 7.81 99.3 100.3 - 1 7.89 98.24 99.28 8.20 99.3 100.3 - 1 7.89 98.24 99.28 8.20 99.3 80.21 98.16 98.18 8.24 99.19 98.16 98.18 8.24 99.19 98.16 98.18 8.29 99.19 98.16 8.19 98.4 98.8 8.18 99.24 99.28 1 8.18 97.30 98.2 8.25 99.15 99.19 - 1 8.20 97.28 98 8.28 97.23 97.27 8.36 98.12 88.16 8.34 98.9 97.27 97.31 8.41 100 100.4 - 1 8.39 Counter U.S. 7
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T.63 Aug 1978 n
8.73 Boc 1978 n
8.73 Dec 1978 n
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8.73 Boc 1979 n
8.74 Boc 1979 n
8.75 Jun 1979 n
8.75 Sep 1979 n
8.75 Sep 1979 n
8.75 Sep 1979 n
8.75 Dec 1979 n
7.75 Opec 1970 n
8.88 Pec 1980 n
8.88 Pec 1980

Rauscher Pierce Securities

Dividends declared INITIAL Emery Air Frt n INCREASE GeneralCableCp Intrpble Grp Coa Leigh Prodets 8-29 8-8 1-24 9-1 9-1 7-25 REGULAR Minnesota Gas NN Corp Nrthn Nati Gas VanSchaak Co Alleghany Cp Athlone Ind Avondale Mills Bank of NY Co Buckeye Intl CP National Cp Cinenti Milacron

Cinenti Milacron
Dreyfus FdInc
FstUnion Cp
FranklinIncoFd
Gulf Oil Corp
Hackensack Watr
Hncock J Invatrs
Hospital MtgGrp
Loews Corp
NW MtiL/MtgRit
Parker Hannifin PugetSound PLt Reichhold Chem

Reichhold Chem Schulman A, Inc Sue Ann Inc Tenneco Inc UpprPeninLwr Weis Markets Inc Weyerhaeuser Co Wurlitzer Co

Stocks in the spotlight

7-20 7-31 7-26 7-21 8-11

Singer can't switch to promote such things as McDonald's hamburg-LOS ANGELES (AP) - Singer Olivia Newton-John can't break with MCA Records, a court

has ruled. The star of the movie "Grease" claims the record company hasn't provided enough promotion for her albums. She also says her name was used without her permission

work out," said Johnson.

er discount program.
Judge Norman R.
Dowds ruled that Miss
Newton-John, 29, could not record albums or perform as a recording artist for anyone other than MCA under her contract expires in April

In the opinion of Bond Counsel, interest on the Bonds is exempt from present Federal income taxation under existing statutes, regulations, rulings and court decisions.

NEW ISSUE

Moody's Baa

\$2,720,000 Odessa Elderly Housing Corporation

7.50% TAX-EXEMPT INTEREST

First Mortgage Revenue Bonds, Series 1978

Offering is made only by means of the Official Statement, copies of which are available from Rauscher Pierce Securities, Gulf Building, Midland, Texas 79701 (Tel: 915-683-5671)



Rauscher Pierce Securities Corporation July 5, 1978

SCRAM-LEDS. That Intriguing Word Game with a Chuckle

Rearrange letters of the four scrambled words below to form four simple words. HOGHUT

SYRUL

Police inspector to lady driver, whom he had stopped: "Your driving license seems to be valid; madam. Now sup-FEYOR pose you tell me how in the VITOME

Complete the chuckle quoted by filling in the missing words you develop from step No. 3 below.

PRINT NUMBERED LETTERS IN SQUARES

Though -- Surly -- Foyer -- Motive -- YOU GOT IT.
Police inspector to lady driver, whom he had stopped: "Your driving license seems to be valid, madam. Now suppose you fell me how in the world YOU GOT IT!" SCRAM-LETS ANSWERS

THE BETTER HALF



tried the number, but some dratted auto parts dealer keeps answering."

Edited by Margaret Farrar and Trude Jaffe

50 Diamond ring: 6 SALT talk subject 53 Two-wheeled 11 Stuff 14 Have -15 City of the Italian Riviera 16 Be beholden to

35 Elders: Abbr. 38 Eisenhower's

mother
39 One theory of
the beginning of
the universe

41 First of an active

44 Variety of cotton 45 Preliminary

survey, for short 47 Goes over the wall

trio
42 — hall
43 Beautify

Wallace 57 Biblical vessel 17 Wartime vessel 19 Musician of a sort 58 Dessert 64 Behold! 65 Hebrew 20 Famous picture gallery in Spain 21 Name for the

prophet 66 Constellation 21 Name for the
Vedic god, Indra
23 Cheese ingredient
26 Child's toy
29 Young animal
31 Damp
32 Subjoins
33 De Valera
35 Fiders, Abbe 67 Pronoun 68 Hallway 69 Part of USNA

DOWN 1 Actor O'Neal, to friends 2 Gone by 3 Rocky peak 4 Comes to pass 5 Spatial

6 "In apprehension how like ——!" 7 Jazz style 8 Yoko-9 Old bird 10 Night flier's appendage 11 Vehicles of our time

12 Cognizant
13 Nickel, for one
18 Irish goddess
22 Exclamations of --- camp: Var.

appreciation — de lune

25 Snack of a kind 27 Vastness of space 28 Time of day 30 Go away! 34 Shorten: Abbr. 36 Rival of Paris 37 Sudden burst of

energy 39 Gardener's ailment 40 Apple of one's eye 44 Well-known box

opener Son of Gad 48 Vehicle, old style 49 Paper of a sort 51 Soup dish 52 More unusual 56 Color 59 Word of endearment

60 Id ----61 11th-cent. date: 63 Photog.'s order

FUNKY WINKERBEAN





I'VE GOT ONE! HOW ABOUT IF WE SAY THAT THE PILOT OF OUR JET PASSED OUT AND YOU HAD TO LAND THE PLANE 40URSELF ?

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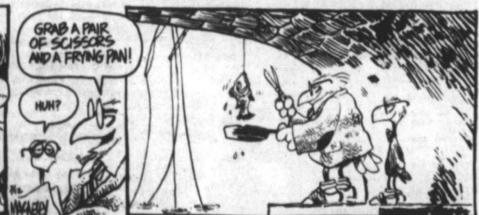




SHOE

ANDY CAPP





DICK TRACY







REX MORGAN M.D.

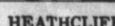
PEANUTS















HEATHCLIFF



'Can't you spend your time anyplace but garages and garbage dumps?"

STEVE ROPER





NANCY





STEVE CANYON







DENNIS THE MENACE

Ketcham

MARMADUKE





"HELLO CORNER ... HELLO, CHAIR ... HELLO, MISERY."

CBS' summer lineup wins battle for TV viewer for second week

NEW YORK (AP) — CBS has won the networks' battle for the prime time TV viewer for the second week in a row with a summer lineup that included the week's two mostwatched programs.

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OUT WHY

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CING TO ELF AGAIN, UTENANT

At the top of the A.C. Nielsen Co.'s ratings for the week ending July 9 were the CBS comedy hits "Alice" and "One Day at a Time." CBS also listed No. 4 "M-A-S-H" and "Barnaby Jones," tied for 10th.

The strong showing at the top contributed to CBS' rating of 14, compared with 13.3 for NBC and 13.1 for ABC. CBS had won the week before with six of the 10 most-watched

The networks say the rating means in an average prime time minute, 14 percent of the homes in the country with TV were tuned to CBS.

The rating for "Alice" was 21.1, and Nielsen says that means of all the homes in the country with television, 21.1 percent saw at least part of the

program.

NBC's best for the week was a repeat of "Colombo," third in the ratings, and ABC's top-rated show was a rerun of "Starsky and Hutch,"

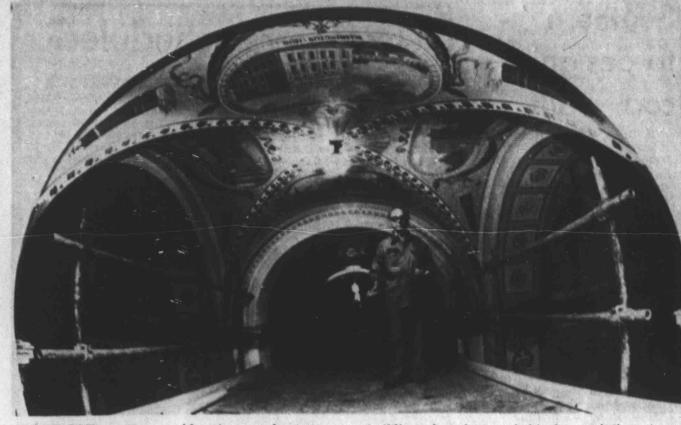
Ten of the 11 top-rated shows, in fact, were reruns. The exception was an episode of "Switch" on NBC, fifth in the ratings.

Four of the six programs at the bottom of the ratings were on ABC: "Fat Movie," a Friday movie, tied by "Hardy Boys-Nancy Drew Mys-tery" and "Free Country." "Man from Atlantis" on NBC was last. Here are the week's Top 10 shows:

"Alice," with a 21.1 rating representing 15.4 million homes, and "One Day at a Time," 20.4 or 14.9 million, both CBS; Big Event-"Colombo," 20.2 or 14.7 million, NBC; "M-A-S-H," 20 or 14.6 million, CBS; "Switch," 19.4 or 14.1 million; "All in the Family," 18.9 or 13.8 million; "Starsky and Hutch," 18.6 or 13.8 million, and "Fantasy Island," 18.5 or 13.5 million, both ABC; "Quincy," 18.4 or 13.4 million, and "Charlie's Angels," ABC, and "Barnaby Jones," CBS, both 18.2 or

Here are the next 10 shows:

"Love Boat," ABC; "Lou Grant," CBS; "Barney Miller," ABC; "Hawaii Five-O," CBS; "Three's Company," ABC; "60 Minutes," CBS, and ny," ABC; "60 Minutes," CBS, and ABC Thursday Movie-"Ash Wednesday," tie; "Rockford Files," NBC, and "Carter Country," ABC.



ALLYN COX, an 82-year-old artist, stands atop a scaffold near a corridor ceiling in the U.S. Capitol

building where he spends his days painting scenes of American history. (AP Laserphoto)

Never sold a script? Try 20th Century-Fox

By JAY SHARBUTT

HOLLWOOD (AP) Okay, so you see that wretched mess of a comedy show on TV and say, "Mercy, I can write better than that." Well, 20th Century-Fox Television is giving you just that

Until July 19, it's holding.a national write-in search for new comedy scriveners. The only bestriction: You must never have sold a script or story to movies or tele-

vision before. Each candidate must submit two writing samples — a teleplay and an excerpt from a screen-

complete with dialogue. Each sample should be no longer than 45 pages.

A total of 10 rookie

gagsmiths will be chosen, the studio says. Each winner will be whisked here and paid \$1,000 for a month in which all attend in-studio studies of the art of writing TV comedy.

When the month ends, those judged best-ofbreed in the field of funny will be signed to work on a comedy pilot, provided they dig up the \$400 fee required to join the Writers Guild here. It's an unusual pro-

10TH ANNUAL SHAKESPEARE FESTIVAL 3 PLAYS IN REPERTORY Professional Acting Company 'OTHELLO" MY 126 H

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play or comedy sketch, gram, considering that when a TV mogul here just thinks of hiring writers, such materialize within seconds from garages, cafes, car washes, even the trees.

Yes, but it seems like the same circle of people over and over again," says Lynn Roth, comedy development director for 20th-Fox TV and overseer of the studio's new comedy workshop project.

'If you live here or in New York, you have a chance to become a comedy writer. But if you live someplace in the middle of the country, chances are your work never is read."

This is because studios only accept scripts from writers' agents, most of whom toll have as in Tour fear plagarism suits and whom toil here or in Fun

If you plan to fire off of refusing trick your brainwave to 20th-Fox, you'll have to sign a form absolving the studio from plagarism suits. But after that, your epic definitely will be perused, the studio says.

Ms. Roth says she lesson. You can't win 'em all. You cooked up the comedy must let an occasional queen get hunt with David Sontag, away. vice president for creative affairs at 20th-Fox, because "we're constantly looking for new, exciting material and just weren't finding it.

"We thought it (the talent search) was a very good idea. So we said, 'Let's do it.'"

The doings began with letters to college theater arts departments, minority groups and drama groups, she says, and this week the project is being announced in newspaper and trade publication ads.

"It's going to be crazy," she conceded.

Workshop address is room 111, Tele4vision Building, 20th Century-Fox, TV, P.O. Box 900, Beverly Hills, Calif. Telephone: 213-277-7494.

'Joy of Sex' meets need for positive approach to sexuality

NEW YORK (AP) - It Education Council of the has spawned more printed joys than a library might bear, but the "Joy of Sex" has outdistanced them all as it approaches the sixth anniversary of its publication.

"It meets a compelling need for a positive approach to sexuality that is not exploitive," says Dr. Mary Calderone, cofounder and president of the Sex Information and

By ALFRED SHEINWOLD

North dealer

NORTH

VA 107

♣ A Q 10

SOUTH

◆ A 10 9

♣ K J 4

Opening lead - \$5

Today's hand is what my father had

in mind. West opens the five of

spades, dummy plays the queen, and

East must show that he has learned

East

3 NT All Pass

Q Q 8 5 3

0109874

♦ KJ8763

South West

2 NT

OA62

◆ Q 2

♥ K 9 6 2

OK 5

"The day will come all too soon,"

my father told me when I was in my

teens, "when you will learn the great

United States. "The book

The book by Dr. Alex Comfort, a gerontologist who has written fiction, poetry and studies of the aged, has been on bestseller lists virtually since it was published in September 1972.

The hardcover version dwelt on the New York Times list for 73 weeks running, 11 of them in the

top spot. Nearly a million copies of the book have been sold nationally.

But that figure pales by comparison with the 4 million copies sold of the paperback edition. It has been high on the Times list of trade paperbacks ever since it came out four years ago, a phenomenon of the publish-

ing industry. What's more, it's success has led to imitators

the great lesson. He must not try to

If East foolishly plays the king of

spades at the first trick, South will.

play low. East continues with a low

Now South starts the diamonds.

West takes the first diamond but can-

not return a spade to continue the at-

tack. Declarer has time to knock out

the ace of diamonds while the ace of

ENCOURAGMENT

eight of spades at the first trick,

allowing dummy's queen to get away

East should play the encouraging

When West takes the king of

East gets in with the ace of

diamonds in time to defeat the con-

DAILY QUESTION

As dealer, you hold: S A 10 9 H Q 8 5

ANSWER: Bid one club. If partner

responds in hearts you can raise;

otherwise you can show your

minimum values by making a rebid of

1 NT. An opening bid of one club is

often most comfortable when you

have a balanced hand and only about

13 to 15 points in high cards.

tract with the rest of the spades.

3 D Q J 3 C K J 4. What do you say?

diamonds he has another spade to

spades still stops the suit.

force out declarer's ace.

spade and South wins with the ten.

win the trick.

from him.

Joy of Sex" has sold 400, 000 hardcover copies since 1974 and 700,000 paperbacks since 1975. This s besides 200,000 sets of both books in paper. In addition, there are 75,000 books in print of the "Joy of Gay Sex" and

including Comfort

himself, whose "More

of Lesbian Sex." These, of course, have had limited appeal and mixed reviews, and they never threatened Comfort's two tomes as best-sell-"I haven't read them,"

50,000 copies of the "Joy

Comfort sniffs, his scorn transparent through the thickets of his English Wardell Pomeroy, co-

author of the Kinsey report and academic dean of the Institute for Advanced Study of Human Sexuality, was asked to explain the "Joys" phenomenon. "First, and this is in no

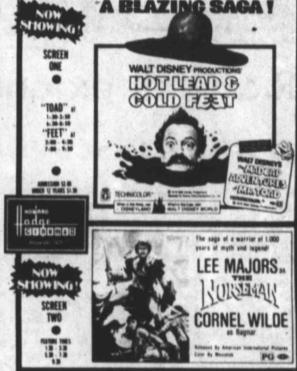
particular order, they talk explicitly about sex," he said in a telephone interview from San Francisco. "Second, they don't do

it leeringly or in an offcolor way - it's direct. Third, it's informative. Fourth, the pictures are. although explicit, taste-

Saying Comfort treatlead. This time East plays the jack to ed sex "in a positive way," Pomeroy added that the title was appro-priate and declared: "It's a joyful experience reading it."

> Comfort, who says he collects "only" 33 cents per copy sold and thus 'I still work for a living," suggests that the books succeeded because "we did it sufficiently tastefully for people to feel that this was a subject which was no longer











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The savings

427 Andrews Highway 682-3302 2200 Wadley Drive 683-2240

Collecting, working gold mines hobby for Wasson

(AP) - Bob Wasson has an unusual hobby: he collects gold mines.

"All told, I own shares or controlling interest in 48 claims in Arizona, Colorado and Nevada," the Tahlequah plumbing and heating contractor says.

Wasson, who turned 84 this year, still works in the mines when he gets the chance - digging, blasting and hauling tons "I started looking for

ore deposits in 1912, and I've been looking ever since," he says. "I have walked through some of the roughest country in the West, from Montana of bandit chieftain Panto Mexico, and I've cho Villa. He served in watched it grow from a World War I - with the howling wilderness to a concrete paradise. 'But it's not all gone.

GREEN

ACRES

INIA TIER

GOLF AT

ITS BEST

TAHLEQUAH, Okla. No, not yet! And I'm still looking.

A glance inside one of his farm buildings shows he has been around the countryside a while. One wall is lined with shelves, glittering with rare old glass bottles and kerosene lanterns.

There is a cider press adding machine (model 1922), rolltop desk, pump organ and a stereopticon the original 3-D viewer.

He has crammed a lot of excitement into his 84 vears. He rode with Gen.

Pershing's force into Mexico in 1916 in pursuit Rainbow Division. He has hiked in winter

across some of the most rugged mountains in Colorado and prospected for metals in all the western Wasson was born in

1894 in Kansas City, Mo. "It was kind of rough, but it was a good life back then," he said. "I used to ride the street cars across Kansas City to Independence, Mo. and then walk six miles

to get home to our farm. My father had a sheet metal shop in Kansas City for years." He recalls he left home early and went to Dodge

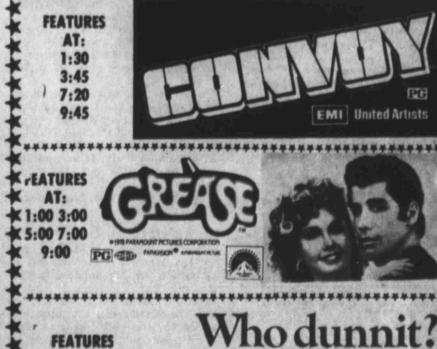
City, Kan., where he stayed with brothers.



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1:45 3:45 5:45 7:45 9:45

GARY

MURRAY HAMILTON

Southern to design coal plant

ATLANTA (AP) — The Southern Co. has announced that it will design a plant to convert high-sulfur coal into a clean-burning solid fuel that could drastically reduce the nation's dependence on foreign oil.

The plant will convert 6,000 tons of high-sulfur coal a day into an environmentally acceptable fuel called solvent refined coal, the utility holding company announced. A company

ing company announced. A company spokesman said the tentative site for the plant is in western Kentucky, but

a final selection has not been made. Southern Co. President Alvin W. Vogtle Jr. said data compiled during tests at Georgia Power Co.'s Plant Mitchell near Albany, Ga., proved that solvent refined coal meets cur-rent clean air requirements for new power plants and improves plant operation and reliability.

The company said it would receive

federal funds to manage the design and engineering work on the demonstration plant.

"Today, the federal government and private industry have taken a giant step toward a common goal — the goal of assuring that new ways to use America's vast coal reserves will be fully developed and in place in the 1980s..." Vogtle said.

The company said the project is part of an intensive effort to speed the development of new energy technologies and is being carried out at the request of the U.S. Department of Energy. Vogtle said he believes the refining

plant can be operational by 1983.

The Southern Co. is the parent firm of Alabama Power Co., Georgia Power Co., Mississippi Power Co. and Gulf Power Co.

Explorers scheduled

A. G. Hill of Midland announced location for a 20,000-foot wildcat in Pecos County, and wildcat operations also have been announced in Ward. Ector, Crockett and Dawson counties.
Hill staked his No. 1 Tree Estate 18 miles southwest of Monahans in

Pecos County. The deep prospector is 2,200 feet from south and 1,100 feet from east lines of section 48, block 8, H&GN survey.

The drillsite is 5/8 mile west of the depleted Pennsylvanian discovery in the Trees Ranch field.

HNG Oil Co. of Midland will drill No. 1-152 Williams as a 7,000-foot

wildcat in Ward County, 11 miles west of Pyote.

It is 990 feet from northeast and 660feet from southeast lines of section 152, block 34, H&TC survey. It is one and three-eighths miles northwest of the Phantom (Ellenburger and Devonian) field.

Amoco Production Co. announced plans to re-enter its No. 1-AJ-B Midland Farms in Ector County and attempt to complete it from an undesignated Strawn zone. The well is a former Fasken (Pennsylvanian) producer. It will be

plugged back to 10,075 feet. Location is 660 feet from south and 1,960 feet from east lines of section 37, block 42, T-1-N, G&MMB&A survey and 3/4 mile northeast of Fasken

(Pennsylvanian) production.
The location is 16 miles north of Odessa.

CROCKETT EXPLORER

Dan J. Harrison Jr. of Houstpon spotted location for an 8,500-foot wildcat in Crockett County, 10 miles northwest of Ozona. It is No. 1 Joe F. Bean, 660 feet from north and east lines of section 29.

block UV, GC&SF survey. The drillsite is four miles southeast of depleted Ellenburger production in the Wyatt field and 5/8 mile northwest of a 7,136-foot dry hole.

Coquina Oil Corp. of Midland No. 1-X Lance Furlow will be drilled as an 8,500-foot wildcat in Dawson Coumnty, eight miles north of Lamesa.

Location is 760 feet from north and 660 feet from west lines of section 56, block 35, T-6-N, T&P survey and 100 feet south of an 11,777-foot dry hole, W. A. Moncrief of Fort Worth No. 1 Lance Furlow.

The operator had announced plans to re-enter the Moncrief failure and clean out to 8,500 feet. Re-entry plans have been abandoned and the rig skidded 100 feet south to start a new hole.

Moncrief, before plugging the hole in 1967, reported oil, gas and water on a pair of drillstem tests in the Spraberry, from 7,595 to 7,625 feet and from 8,250 to 8,325 feet.

The test is 2.5 miles east of the Welch (Spraberry) field.

Rial well extends Winkler oil pool; pair of discoveries take potentials

Rial Oil Co. of Midland has com-pleted its No. 1-33-B Sealy-Smith Foundation as a one-half-mile west extension to the Arenoso (Strawn de-tritus) pool of Winkler County, 15 miles southeast of Kermit.

Operator reported a 24-hour flowing potential of 575 barrels of oil, no water, through a 20/64-inch choke and perforations from 8,619 to 8,771 feet. Gravity of the oil is 38 degrees, and the gas-oil ratio is 1,200-1.

Operator acidized the pay section with 2,500 gallons.

The well, 100 percent owned by Rial, is 1,650feet from nroth and 1,980

feet from west lines of section 33, block A, G&MMB&A survey. Total depth is 9,050 feet and 4.5-inch casing is cemented at total depth.

GARZA TEST SHOWS

V-F Petroleum, Inc., of Midland No. 1 Slaughter Estate, project 13 miles south of Post and in the Red Loffin multipay area of Garza Coun-ty, developed oil, gas and water on a drillstem test of the Strawn B zone.

The project tested the interval from 7,730 to 7,825 feet, with test tool open two hours and 15 minutes. Recovery was 6,290 feet of gas in the drillpipe and 103 feet of heavily oil- and gas-cut mud, 744 feet of free oil and 656 feet of salt water. Flowing pressure was from 274 to 591 pounds, and four-hour shut-in pressure was 1,825 pounds. Drilling@ontinues beldow 7,912

Scheduled for tests of the Ellenburger, No. 1 Slaughter Estate is 990 feet from south and 467 feet from east lines of section 18, block 2, T&NO survey. It is slated for an 8,350-foot

ANDREWS OIL

BTA Oil Producers of Midland No. 3-K 7803 JV-P University, a project in the Glasco, East (Devonian) area of Andrews County, has developed oil on a drillstems test in the Fusselman.

The operator tested the zone from 12,447 to 12,612 feet, with tool open 70 minutes. Recovery was 2,000 feet of heavily oil- and gas-cut water blan-ket, 2,550 feet of free oil and 1,200 feet of heavily oil- and gas-cut drilling

Flowing pressure was 2,469 pounds and two-hour final shut-in pressure was 5,142 pounds.

DRY HOLES

Operator is waiting on cement after landing seve-inch casing at 12,605

Location is 467 feet from north and 1,980 feet from east lines of section 9, block 6, University Lands survey and 18 miles northeast of Andrews. It is one loation southwest of a completed Devonian well.

REAGAN REOPENER

Marathon Oil Co., operating from Midland, has reopened Fusselman production in the Big Lake multipay field of Reagan County, one mile northeast of Texon.

The well, No. 4-BL University, onehalf mile northeast of the original Fusselman opener which was com-pleted in 1950, finaled for a 24-hour flowing potential of 151 barrels of 45 gravity oil and six barrels of water, through a 9/64-inch choke.

The pay section is behind casing perforations from 8,500 to 8,534 feet. The zone was acidized with 200 gal-

Gas-oil ratio is 1,020-1. Total depth is 9,312 feet and 5.5-inch casing was cemented at 9,300 feet.
The project is bottomed in the Ellenburger. Test of that zone through

perforations fom 8,851 to 9,147 feet falled to develop commercial produc-Location is 660 feet from north and 1,780 feet from west lines of section 1, block 2, University Lands surkvey.

The project topped the Dean at 6,778 feet, the Strawn at 8,247 feet, the Devonian at 8,378 feet, the Fusselman at 8,4,98 feet, the Simpson at 8,592 feet and the Ellenburger at 8,856 feet. Kelly bushing elevation is 2,712

RUNNELS STRIKE

Hamco Exploration & Development Co. has asked for discovery allowable and new field designation for No. 1-B Hoppe (formerly No. 1-F Emma Marks), Strawn lime oil discovery in Runnels County.

The strike finaled for a daily flow-

ing potential of 67 barrels of 40-gravity oil, through a 12/64-inch choke and perforations from 3,d724 to 3,730 feet. Gas-oil ratio is 925-1. Operator washed with 500 gallons of mud acid and treted with 2,500 gallons

of acid.

Location is 650 feet from south and 4,260 feet from west lines of John

Jacob Taylor survey No. 541.

It is a twin to a 4,471-foot failure and 5/8 miles south of the Briley, Southeast multipay field. It is separated from that pool by a 4,170-foot dry

Location is 4.5 miles northeast of

Wagner & Brown of Midland spotted locations for a stepout and an outpost to the Big Salute (Canyon) pool of Sterling County. The outpost is No. 1-15 Price, one

and one-quarter miles southeast of production and 1,980 feet from south and 660 feet from west lines of section 15, block 22, H&TC survey and nine miles southwest of Sterling City. It is to be drilled to 8,400 feet.

The stepout is No. 1-3-C Rayl, 2,150 feet from south and 1,460 feet from east lines of section 3, block 31, T&P survey. It is nine miles southwet of Sterling City andd 1/2 mile northeast

It also is contracted for an 8,400-foot

IRION GAS WELL

John L. Cox of Midland has announced completion of a new well in the Ela Sugg (Wolfcamp gas) area of Irion County, 14 miles northeast of

The well, 5/8 mile southwest of

other production, was completed for a calculated, absolute open flow potential of 1,329,000 cubic feet of gas per day, through perforations from 7,687 to 7,723 feet after 40,000 gallons of fracture solution.

The well, No. I-O Miss Ela, is 1,320 feet from the most westerly north line and 990 feet from the most westerly west line of O. G. Coulson survey no.

Gas-liquid ratio is 65,000-1, and gravity of the liquid is 51 degrees. Total depth is 7,764 feet ant 4.5-inch pipe was landed on bottom.

Tests slated; strike seen

Operators have announced locations for wildcats in four North Basin counties, and pipe is to be set in a possible Devonian discovery in

Gaines County.

Ashland Exploration, Inc., No. 1-84

L. B. Jones is to be drilled as an
8,300-foot wildcat in Crosby County, three miles northeast of Kalgary.

It is 100 feet from north and west lines of section 84, block 2, H&GN survey and three and three-eighths miles west of the White River field. It is one and one-quarter miles west of an 8,050-foot dry hole.

GAINES WILDCAT

Houston Oil & Minerals Corp. No. 1 Reagan County School Land is a new 13,000-foot wildet in Gaines County. 18miles northeast of Andrews.

The project is 660 feet from south and east lines of labor 18, league 297, Reagan County School Land survey. It is one and one-fourth miles north

of the depleted Strawn discovery in the Brennand field. Ground elevation

HOCKLEY EXPLORER A 6,500-foot wildcat has been spot-ted in Hockley Clounty, 11 miles east

of Levelland. It is General Crude Oil Co. of Houston No. 1-13 Oil Development Co., 660 feet from south and west lines of labor 13, league 1, Jones County School

Land survey. The location is one and threeeighths smiles northeast of the Smuyer (Clear Fork) field.

KENT TEST

Vista Resources, Inc., of Lake Wood, Colo., will drill its No. 3-B D. P. Strayhorn as a 7,600-foot wildcat in Kent County.
It is 13 miles southwest of Claire-

mont and 1,980 feet from south and 660 feet from west lines of sectidon 22, block 5, H&GN surivey and 1/2 mile west of Strawn and San Andres production in the Fullerville, Northeast

GAINES PROSPECT

I. W. Lovelady of Midland was running logs preparatory to running casing in his No. 1 Doss, Devonian prospect in Gaines County, 16 miles east of Seminole.

The wildcat took a drillstem test from 12,670 to 12,852 feet, the total

Recovery was 1,946 feet of 40-gravi-ty oil, 519 feet of heavily oil- and slig htly gas-cut mud and the 2,000-foot water blanket. Fifteen-minute pre-flow pressur ranged from 1,003 to 1,500 pounds; 60-minute final flow pressures was 1,956 pounds, and 60-minute initial and 120-minute shut-in

pressures were 5,251 pounds.

Location is 660 feet from south and 1,960 feet from east lines of section 24,

Permian Basin draws wildcat field projects

Hanagan Petroleum Corp. of Ros-well, N. M., No. 1-M Faircloth is to be drilled as a new wildcat in Chaves County, N. M., and the same operator announced plans to re-enter and test a dry hole in the same county.

The No. 1-M Faircloth, a 6,800-foot project, is 660 feet from south and west lines of section 29-7s-27e and three miles north of High Lonesome. It is 2/3 mile northeast of a 6,933-foot dry hole.

Hanagan No. 1-M Borica is the reentry operation. Drillsite is three miles north of High Lonesome and 660 feet from south and west lines of section 25d-7s-27e. The project is three miles northwest of the Acme (San Andres) field.

McClellan Oil Corp. of Roswell No. 1-A Mariisue is to be dug as a 2,000-foot test in the Double L (Queen) area of Chaves County, 21 miles east of The drillsite is 660 feet from north

and east lines of section 24-14s-29e. ROOSEVELT TEST

Sundance Oil Co. of Denver, Colo., staked its No. 6 Cone-Federal in the Tomahawk (San Andres) area of Roosevelt County, 12 miles southeast

Location is 660 feet from south and west lines of sectidon 30-7s-32e. It is to drill to 4,350 feet.

PECOS EXPLORER

Aikman Oil Corp. of Midland announced dridllsite for an 8,000-foot wildcat in Pecos County, 18 miles southeast of Iraan.

The project is No. 1-A Mary Baker, 1,680 feet from north and 660 feet from west lines of section 36, block 2, TCRR survey. It is 1/2 mile northeast of an undesignated Pennsylvanian discovery.

STERLING TESTS

The Conger (Pennsylvanian) pool of Sterling County has gained two

Sterling Co. of Midland staked No. 1-14 Brownfield 11 miles southwest of Sterling City and one location northwest of production.

The 7,900-foot test is 660 feet from north and west lines of section 14, block 21, H&TC survey. Wagner & Brown, also of Midland,

No. 6-31-A Ray is to be drilled as an 8,400-foot test seven miles southwest of Sterling City. Slated for an 8,400-foot total depth,

it is 719 feet from south and 2,060 feet from west lines of section 31, block 22, H&TC survey.

PAROCHIAL TESTS

from Midland, announced locations for a pair of projects in the Parochial Bade (Cisco) field of Sterling Coun-

The opdrator staked No. 1-9 Foster 13 miles nothwest of Sterling City and one mile northeast of one of the field's

Scheduled to drill to 7,800 feet, it is 1,650 feet from south and west lines of section 9, block 22, H&TC survey. Dorchester No. 1-18 Price will be drilled 14 miles northwest of Sterling

chial Bade (Cisco) production. The 7,800-foot operation is 990 feet from north and 1,320 feet from west lines of section 18, block 22, H&TC

City and 5/8 mile southeast of Paro-

PECOS WELL Dick Glover Oil Properties of Midland reported potential test for its No. 2 Jasper County Realty Co. in the Beverly (Queen) field of Pecos County, 10 miles southwest of Imperial.

It finaled for a daily pumping potential of 4 barrels of 24-gravity oil and 15 barrels of water, through per-foratisons from 1,815 to 2,052 feet. Gas-oil ratio is 850-1.

Operator acidized with 1,5000 gallons and fractured with 1,000 barrels

Total depth is 2,085 feet and 4.5-inch casing is set at total depth. The plugged back depth is 2,058 feet. Wellsite is 990 feet from southeast and 2,310 feet from southwest lines of section 21, block 10, H&GN survey.

ROCKETT WILDCATS

Anderson Petroleum, Inc., of Ozona

RK No. 1 O'Brien; M 12,636 feet,
plugged and abandoned.

MGF No. 1 Dyer; drilling 5366 feet in CROCKETT WILDCATS

will dig a pair of 7,400-foot wildcats in Crockett County, 30 miles southwest

tion 12, block MM, T&SLL survey.
Ground elevation is 2,410feet.

Anderson No. 1-24-A W. K. Warren will be drilled 1?2 mile soluth of Canyon production and two and oned-quarter miles southwest of the VIP (Clear Fork) area.

Location is 1,580 feet from north and 760 feet from east lines of sections.

and 760 feet from east lines of secti-

Roy Pearce stakes project

Roy F. Pearce of Midland No. 5-A Alexander is to be drilled as a north Alexander is to be drilled as a north offset to production in the Screwbean, Northeast (Delaware) pool of Reeves County, six miles west of Orla.

Slated for a 2,600-foot bottom, it is a33 feet from south and 330 feet (from west lines of section 24, block 58, T-2,

FIELD AREA

J. Cleo Thompson of Dallas No. 4 C. E. Davidson III is to be drilled as an 8,200-foot test in the Davidson Ranch multipay area of Crockett County, 7.5 miles southeast of Ozona.

It is 1/2 mile west and 5/8 mile northeast of 7,890-foot production and

> ENERGY OIL & GAS

1,320 feet from north and east lines of sectidon 21, block IJ, GC&SF survey.

KIMBLE EXPLORER A 2,200-foot wildcat has been spot-

ted in Kimble County by J. R. Brown of Houston. The project is No 6 Awbrey Kothmann, 3/4 mile northwest of Brown No. 1 Kothmann, a 4,400-foot dry hole. Location for rthe new project is 14 miles northeast of Junction and 2,408 feet from south and 1,409 feet from east lines of section 90, W. H. Wilson survey, abstract 2099. Ground Eleva-

CRANE TEST

tion is 2,117 feet.

Atlantic RichfieldCo. No. 7-K Block 31 Unit is to be drilled as an Atoka project in the Block 31, East (Devonian and Atoka) field of Crane County, six miles northwest of Crane.

The 9,100-foot test is 1,320 feet from north and 1,980 feet from east lines of section 34, block 31, University Lands

The contract depth will allow for tests in the Devonian.

RE-ENTRY WILDCAT

Martin Oil Co. of Asperment announced plans to re-enter a 4,650-foot well in the Mengel (Canyon) field of Stonewall County, five miles south of Aspermont.

The operator will plug back to 3,085 feet tests as a wildcat.

The re-entry will be doperated as No. 6 I. E. Smith. Location is 840 feet from north and 1,005 feet from west lines of D. N.

Hodges survey.

REAGAN TESTS Saxon Oil Co. of Midland spotted four projects in the Spraberry Trend

Area of Reagan County. No. 1-18 Univeristy is 1/2 mile west of production and 1,320 feet from north and east lines of section 18,

block 9, University lands survey. No. 2-18 University is one mile west of production and 1,320 feet from north and west lines of section 18, block 9, University Lands survey.

No. 3-18 University is one and onequarter miles southwest of production and 1,320 feet from south and west lines of section 18, block 9, Universty Lands survey

No. 4-18 University is 3/4 mile southwest of production and 1,320 feet from south and east lines of section 18, block 9, University Lands survey.

The projects are eight miles north-west of Big Lake and scheduled for 7,650-footTbottoms.

DRILLING REPORT

hours.
Eastland Oil No. 1-K City of Carisbad, td 3217 feet and shut in.
HNG No. 2-13-9 Woods Comm; td
12,750 feet, waiting on completion

BORDEN COUNTY
Estaril No. 1 Jones; preparing to
plug back, perforated 6306-6308, acidized with 1000 gallons, awabbed 60
harrels load water, set packer at 6331
feet, perforated 3650-5655 feet, acidized with 1000 gallons, swabbed 2
hours, recovered 45 barrels load and
acid water, slight show of gas and
show of oil (2 percent).
Lario Oil and Gas No. 1 Canning, td
7300 feet, plugged and abandoned.
Bial No.v1-A Billingsly, drilling 8300
feet in shale and lime.

feet, perforated 3650-5655 feet, actdised with 1600 gallons, swabbed 2
hours, recovered 45 barrels load and
acid water, slight show of gas and
show of oil (2 percent).
Lario Oil and Gas No. 1 Canning, td
7200 feet, plugged and abandoned.
Rial No.vi-A Billingsly, drilling szoo
feet in shale and ilme.

CHAVES COUNTY
Miller Exploration No. 1 MillerState; drilling 10,894 feet in lime.
Bill Graham No. 1 Williams, td 2650
feet, waiting on cable tool rig.
Depoo Inc. No. 2 Midwest Federal,
td 9783 feet and shut in.
Depoo linc. No. 1-A Sundance Federal,
td 9783 feet and shut in.

CARNA COUNTY

CTGO No. 1-B Robertson; drilling
CRS feet in dolomitic and anhvdrite.
Ike Lovelady; No. 1 Doss. Td 12,852
feet, ran drill stem test from 12,479-12.
Steet CRANE COUNTY Exxon No. 1-143 Tubb; td 4536 feet, ran 4-1/2 inch casint at 4516 feet,

ran 4-1/2 inch casint at 4516 feet, released rig.
Southland Royalty No. 1-A Southland; td 5606 feet, fractured with 10,000 gallons and 2000 pounds of sand from 2138-2166.
Cotton Petroleum No. 1 Edwards, td 9006 feet, squeesed perforations from 8460-8518, ran in hole with bit and set packer at 7407 feet, preparing to drill out cement and go in hole with drill collars.

CROCKETT COUNTY

James L. Lamb No. 1-10 Todd, td 600
feet, still shut in for repairs.

James L. Lamb No. 1 Tippett, drilling 565 feet.

International Oil and Gas No. 1-2

Dudley, td 10,856 feet, repairing casing.

Ing.
International Oil and Gas No. 1-3
University, td 11,052 feet and shut in.
William N. Beach No. 1-8 Noelke, td
1991, ran tubing and preparing to set
pump equip and tanks.
William N. Beach No. 1-17 Owens, td

completion unit. C.F. LAwrence and Associates No. 7-58 Eck; td 1379 feet waiting on com-CULBERSON COUNTY CULBERSON COUNTY
BTA No. 1 Duval; driling 11,600 feet
in and and shale.
Gulf No. 11-CX TXL; td 2600 feet,
pumped 14 barrels oil and 256 harrels
water in 22 hours, perforations from
2571-2505 feet.
Atlantic Richfield No. 1 Covington—
State; td 13,146 feet, preparing to open
on 68/64 inch choke.

DAWSON COUNTY
Biel No. 1 Zant; drilling 1655 feet.
Cotton Petroleum No. 1 Page, spud, ded 7-6-78, drilling 721 feet, red beds, ran 13-3/8 inch casing at 40 feet, cemented with 420 sacks, circulated 50 sacks. HNG No. 1-34 Shoe Bar Ranch, pre-paring to spud.

Phillips No. 31-E Phillips State, drilling 4,225 feet.

Phillips No. 33-E Phillips State, td 4,700 feet, treated perforations from 4,652 to 4,600 feet with 1,500 gallons, opened well and flowed 86 barrels oil on full choke.

Phillips No. 33-E Phillips State, td 4,705 feet, completed through Gray-berg San Andres perforations from 4,632 to 4,560 feet, set 4½-inch casing at total depth, pumped 36 barrels oil and no water in 34 hours. sacks, waiting on cement. RK No. 1 Beeman; 1d 11,375 feet,

ZONE.

No. 1-12-D Elmer Hoover Hatton
Estate is 3/8 mile north of Canyon
production and two and one-eighth
miles west of Clear Fork gas production in the VIP field.

The drillsite is 870 feet from south
and 1,100 feet from west lines of section 12, block MM, T&StL survey.
Ground elevation is 2,410feet.

Anderson No. 1-24-A W, K. Warren

ECTOR COUNTY
Cola Petroleum No. 1 TXL; drilling at total depth, pumped 38 barrels of and no water in 34 hours, through perforations from 31 hours, through perforations from 32 hours, and 31 hours, through perforations from 32 hours, and 33 hours, and 34 hours, through perforations from 32 hours, and 32 hours, and 32 hours, and 33 hours, and 34 hours, through perforations from 32 hours, and 33 hours, and 34 hours

MARTIN COUNTY

MGF No. 1-19 Dyre, td 8,786 feet in
lime and shale, circulating and preparing to run logs.

MGF No. 1 Lindsey, td 9,200 feet,
pumped 61 harrels load oil and 83
harrels water in 2t hours, through
perforations from 7,575 to 8,696 feet.

MGF No. 1-8 Perry, td 8,770 feet,
flowed 6 harrels load oil in 24 hours,
through a 24,764-linch choke and open
hale perforations from 8,765 to 8,770
feet.

Southland Royalty No. 1 Parkway; td 11,550 feet, preparing to calculate absolute open flow. Southland Royalty No. 1-16 state; td 11,164, preparing to calculate absolute see flow. sen flow.

Southland Royalty No. 1 Trigg;

illing 6005 feet in lime.

J.C. Barnes Oll Co. No. 1-F Big Chief
somm, 1d 12,735 feet, swabbing small

III that is.

Gulf No. 1-GX Eddy; ad 2000 feet and all that is.

Harvey E. Yates No. 8 Empire South Deep Unit, 1d 11,000 fiset, pumped 13 layreis condensate, taking presented the, then 18,000 met chain, all re-

ANDREWS COUNTY

Exxon No. 87-2 Parker; tid 2846 feet, moving off rotary.

Exxon No. 88-9 Parker; drilling 1245 feet, set 8-5/8 inch casing at 339 feet.

Maralo, Inc. No. 3-B Miles; drilling 3165 feet, in lime and shale.

BTA No. 1-E University, tid 12,612 feet in lime, waiting on cement, took drill stem test from 12,447-12,612 feet, open 70 minutes, recovered 3000 feet sheavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and gas cut water blanket, 2556 feet free oil, 1200 feet heavily oil and g

REAGAN COUNTY

REAGAN COUNTY
Saxon No. 1-12 University; td 7,578
feet; pumped 40 barrels of load oil and
156 barrels of water in 24 hours.
Saxon No. 3-12 University; td 7,480
feet; pumped 65 barrels of load oil and
151 barrels of water in 24 hours.
Saxon No. 4-12 University; pumped
di barrels of load oil and 155 barrels of
water in 24 hours.
Rial No. 1-4 University; drilling 1,255 feet in surface rock. EEVES COUNTY Gulf No. 7 Horry; drilling 12,553 feet in lime and shale. Hilliard No. 1 Andover; drilling 14,-

ing 16,023 feet. HNG No. 1-A-24 State; drilling 3,521 V-F Petroleum No. 1 Slaughter Es-tate; drilling 7912 feet in lime and shale, took drill stem test from 7730-7825 feet, opened 2 hours 15 minutes, 100 feet heavily oil and gas cut mod. 744 feet free oil and 656 feet salt water, 30 minute initial shut in pressure 2342, final pressure 274-501, 4 hour final shut in pressure 1825. Enserch No. 3 Lambirth; td 8,030 feet; waiting on cement; set 5½-inch casing at td.

880 feet. Texaco No. 1-H Reeves Fee; td 13,-674 feet; fishing.

GLASSCOCK COUNTY Mewbourn Oil Co. No. 1-A Chaney, td 8225 feet, recovering load. STERLING COUNTY kCrown Central No. 2-143 Terry; td 7,344 feet; pumped 10 barrels of load oil and six barrels of water in 24 hours. Stoltz, Wagner & Brown No. 26-4 Hildebrand; td 8,230 feet; preparing to

oil cut mud and 210 feet of oit and gaz-cut water.
Union Texas No. 5-57 Farmer, td 7,250 feet, flowed 250 barrels load oil and 20 barrels water in 24 bours on 24/64-inch choke, through perforations from 6,500 to 7,600 feet.
Union Texas No. 6-57 Farmer, td 7,300 feet, logging.
Gulf No. 4-VD State, td 2,555 feet, TERRY COUNTY
Union Texas No. 1 Floyd; drilling
8,230 feet in lime and shale.
American Quasar No. 1 Seaton;
drilling 11,850 feet in lime and shale.
NRM No. 2 Louis; td 5,514 feet;

UPTON COUNTY
Union Texas No. 5 Lane; td 10,600 feet; pumped five barrels of oll and 10 barrels of water in 22 hours, through perforations at 10,353-10,382 feet.
Henry Petroleum No. 1-B Cox; td 8,130 feet; recovering load.
Cotton Petroleum No. 1-A Jackson; td 11,756 feet; swabbed 58 barrels of load water and some gas, through perforations at 11,000-11,038 feet, which have been fractured with 3,000 gallons and 14,000 pounds.
John L. Cox No. 1 McDaniel; td 8,450 feet; walting on cement; set 4½-inch casing at td.
Cox No. 1 Langford; td 418 feet; walting on cement; set 8½-inch casing at td.
Cox No. 3 Morgan; td 418 feet; walt-LEA COUNTY
Moncrief No. 1-Y Phillips State, td
14,130 feet, waiting on pipeline conrotary.

Harvey Yates No. 1-25 Corbin State, td 8,000 feet, pumped 20 barrels water and 30 barrels oil.

Gulf No. 3-ED State, td 13,330 feet, hung 5-inch liner from 16,205 to 13,327 feet. HNG No. 1-34 Shoe Bar Ranch, pre-

Gulf No. 5-OB State; id 8,600 feet; numped 25 harrels of ell and 112 har-rels of water in 34 hours, through perforations at 8,804-6,100 feet; Gulf No. 2-WZ State; id 8,600 feet;

and delomite.

Monsanto No. 1 Evelys; 1d 16,800 foct; circulating.

Getty No. 1-5-21 University; drilling 13,305 feet.

Outno Potroloom No. 1,50 University.

PECOS COUNTY Memberse Oil No. 1 No.

SCHLEICHER COUNTY Bennett & RKH No. 1 Bruton; pb 7,678 feet; shut in.

run casing. W. C. Blanks No. 1-17 Terry; td 8,800 feet; shut in.
Blanks No. 1015 Brownfield; td 7,880
feet; shut in.

TOM GREEN COUNTY Saxon No. 1-E Winterbotham; td 6,724 feet; "tight". NRM No. 1 XQZ Ranch; td 6,825 feet; shut in.

Cast feet.
Saxon Oil Co. No. 1-P Winter and 15 herris of water and 65 herris of water and 660 in 34 hours.

Cox No. 3 Morgan; td 418 feet; wait-ing on cement; set 8%-inch casing at td. VAL VERDE COUNTY Resources Investment No. 1-8 Ar-ledge; td 14,882 feet; recovering load, through perforations at 13,365-14,176 feet, which were acidized with 14,006 Exxon No. 2 Whitehead; drilling 5,-

WARD COUNTY
Monsanto No. 1-17-6 University;
drilling 19,706 feet in lime.
Monsanto No. 1 Kelton; drilling 15,805 feet in shale.
Monsanto No. 1 Juarez; td 12,105
feet; drilling on DV tool.
HNG No. 1-135 Green; set a bridge
plug at 6,200 feet; flowing back load,
through perforations at 6,000-4,142 feet,
which were fractured with 40,000 galloss and 27,000 pounds.
O. H. Berry No. 1 Kreps; drilling 830
feet. WARD COUNTY Exxon No. 1 Tiera-State; drilling 15,810 feet. Exxon No. 2-1 Leede; td 17,864 feet; Exxon No. 1-B Wilson; drilling 4,875

Gulf No. 3-42 State; in 8,000 feet; still waiting on completion smit.
Gulf No. 1-42 University; drilling 3,352 feet in anhydrite and line.
Gifford, Mitchell & Wisenbaker No.
1 Blue Jackett; drilling 7,843 feet in lime and shale.
Getty No. 4-16-18 University; id 13,-450 feet; preparing to test liner.

686 feet in lime and dolomite.

Aminol No. 1 Harral, of 28,801 feet, y; of 18,338 feet; washing and reampropering to plug back.