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STORM FRONTS have been routine in the Midland area recently, but this one looks more eerie than most as it passes over the battened-down antique

drilling rigs at the Permian Basin Petroleum Museum, Library and Hall of Fame. (Staff Photo by Bruce Partain)

Marcos resorts to mass arrest of 650 protesting martial law

The Washington Post

MANILA — More than 650 people, including four National Assembly candidates, protesting martial law under Philippine President Ferdinand Marcos were arrested here Sunday, and four other opposition candidates went into hiding.

It was the first time in several months that the Marcos government had resorted to mass arrests for peaceful protest and indicated a sudden return to harsh action against dissidents after a relatively free election in the former U.S. colony. Sunday's arrests came when police

stopped a protest march that was significantly smaller and quieter than many opposition marches allowed before Friday's election.

"They gave us a short taste of freedom, but now Marcos' people will see that martial law is grossly enforced," said former Sen. Lorenzo Tanada, manager of the anti-Marcos election slate in Manila, as Tanada was booked at police headquarters on a charge of illegal assembly.

Police commandeered six public buses on busy Espana Street, told the passengers to get off and loaded on the more than 650 marchers

protesting the alleged vote fraud that they say swung the election to the pro-Marcos slate in Manila.

All except eight leaders of the afternoon march were taken to Ft. Bonifacio, the huge army base where opposition leaders and former Sen. Benigno Aquino is serving his sixth year in prison for martial-law offenses.

Ft. Bonifacio officers ordered off the base a reporter who followed the buses. They refused to give any information about the arrests.

The eight protest leaders were later found being booked at police headquarters several miles away. Each was given a physical examination in order, police said, to forestall charges of police brutality.

Marcos told a nationally televised press conference Saturday that "undoubtedly the subversives have infiltrated Laban," the acronym meaning "fight" used by the anti-Marcos campaign slate in Manila.

He warned he would take preventive action to stem potentially violent protests and said police were looking for one opposition candidate, attorney Charito Planas, on suspicion of harboring communist guerrillas.

Opposition sources said Sunday that Planas and three other candidates tied to the student-worker-slumdweller movement — Trining Herrera, Jerry Barican and Alexander Boncayao — had gone into hiding to avoid possible arrests.

A return to the pattern of harsh repression and underground rebellion of the early days of martial law could severely jeopardize Marcos' chances of winning U.S. approval for a new and more lucrative military-bases agreement.

Some Marcos supporters have complained that U.S. pressure on the human-rights issue forced Marcos to call last Friday's election for an interim National Assembly, the country's first election in more than six years, sooner than he wanted to.

Inquest into death of inmate to begin

ODESSA — The inquest into the death of Larry Lozano, a 27-year-old inmate who died in the Ector County Jail in January, is set for 10 a.m. Tuesday in the Ector County Courthouse.

Peace Justice Virgil Lumpsee will preside over the proceedings, to be heard by a six-member jury, in the 161st State District Courtroom.

The inquest originally was set for Feb. 14 but was postponed for the gathering of additional evidence and witnesses.

Thirty-five witnesses were to be subpoenaed for the inquest, including San Angelo Standard-Times reporter

Richard Orr, who was ordered to appear at the inquest and produce "all recordings and statements taken from Rocky Flannigan and Thomas Eugene James."

Flannigan and James are former cellmates of Lozano who have been quoted as alleging Lozano was tortured and physically abused by deputies prior to his death.

The Standard-Times announced Sunday that it will file a motion today to quash the subpoena, primarily based on the "qualified privilege" a reporter to protect story material from judicial inquiry. David Donaldson Jr. of Austin, one of the newspaper's attorneys, said Sunday.

Arrested last January on charges of assaulting a peace officer, Lozano died 12 days later on Jan. 22 in the hallway outside his padded cell.

At the time, Sheriff Elton Faught maintained Lozano went berserk, repeatedly beating his head against the window of his cell and killing himself.

The first autopsy, performed by Dr. Kris Challipalli of Odessa, on Lozano indicated he died of a cerebral hemorrhage and that he suffered at least one sharp blow to the back of the head.

After a subsequent autopsy by Dr. Frederick Bornstein of El Paso, Bornstein reported that Lozano's death was a "homicide." Bornstein's report revealed 92 visible wounds "incompatible with suicide."

The day after Lozano's death, Sheriff Faught, in a press conference, said Lozano was mentally ill and "belonged in a (mental) hospital, not jail," from the day he was first brought to the jail.

On at least two occasions, Lozano was taken to Medical Center Hospital in Odessa for "psychiatric treatment," according to jail records and Faught.

While he was in jail, Lozano spent most of his time mingling with other inmates in a tank cell, it has been reported. He was transferred to the padded cell either on the day of his death or the night before, according to reports.

State law prohibits the jailing of a mentally ill prisoner more than 24 hours and provides for the transfer of such a prisoner to a mental hospital.

The Texas Attorney General's Office, the Federal Bureau of Investigation, the Texas Rangers and the U.S. Justice Department also are probing into the death of Lozano.

One jailed in stabbing

A 20-year-old Midland woman was booked into City Jail Sunday night as a suspect in the Sunday stabbing death of a 19-year-old Lee High School student.

Witnesses Sunday night told police that Patsy Garcia Martinez got into an argument with another woman about 4:30 p.m. in Hogan Park. Miss Martinez was taken to Midland Memorial Hospital with stab wounds, police said.

Emergency room nurses notified police that a woman with stab wounds was being treated.

Miss Martinez died a short time after arriving at the hospital.

WEATHER

Cloudy and colder with a chance of rain tonight. Complete details on Page 2A.

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Carter's commission pushes for overhaul of retirement plan

By FRED S. HOFFMAN

WASHINGTON (AP) — A presidential commission today urged overhaul of the hotly-debated military retirement-pay system, offering a "design for the future" that it said would eventually save \$10 billion a year.

"The system now costs too much money," said chairman Charles J. Zwick, referring particularly to the system of allowing retirement after 20 years of service. Instead, the commission urges that the 20 years be increased to 30.

The commission acknowledged that its predicted \$10 billion a year savings would not be reaped until nearly the year 2000 because all present uniformed men and women with at least four years of service would retain the right to retire after 20 years.

The most junior of today's troops and all those enlisting after the plan becomes effective would come under the new 30-year plan.

In fact, total Pentagon spending on military compensation would rise for the next 12 to 15 years before starting to drop because other parts of the commission's proposal call for a variety of improved benefits for many of the 2.1 million men and women on active duty.

The panel said this would persuade more trained and skilled personnel to remain in uniform longer.

Zwick, a former federal budget director and now a Miami banker, handed the 207-page report to President Carter, who created the nine-member commission last year with orders to develop a "long term solution to military compensation."

Carter is expected to use the document as the basis for proposing legislation to revamp the military pension system for the first time in about 30 years. Zwick told reporters he hopes such a bill can reach Congress this summer.

The report said the right of military personnel to retire after 20 years of service at half pay for life "can no longer be justified."

"It is unfair to too many people and has lost much of its credibility with the American people," Zwick said.

Only one member, retired Air

Force Gen. Benjamin O. Davis, dissented, as he did on most of the report's key recommendations.

Critics contend the current system allows service personnel to retire too young, often in their 40s, and at too high a cost to the taxpayers. The 20-year retirement is blamed for sending pension costs soaring to more than \$10

billion this year, with forecasts ranging up to \$37.5 billion a year by the end of the century.

Military pensions vary according to rank and years served. A recent report says the most numerous retired enlisted personnel was Army sergeant first class or equivalent receiving an average of \$6,149 a year.

Rain aids effort to contain fire

FORT DAVIS — The rangeland fire that has burned out of control here for more than a week was "contained" at 6 p.m. Sunday when firefighters — aided by rain — secured a two-mile wide fire line, a Texas Forest Service official said.

Two firefighting units from New Mexico's Lincoln National Forest worked all day Sunday to establish the fire line in Merrill Canyon in the southwest section of the Davis Mountain Range, said Dave Hankins of the Texas Forest Service. The firefighters were assisted by two helicopters capable of dropping 150 gallons of water at a time.

The fire spread rapidly early Sunday, burning approximately 1,000 acres as winds gusts to 30 mph. Hankins said. When the humidity began to climb and rain fell Sunday afternoon, the progress of the fire was virtually halted, Hankins noted.

The remaining "hot spot" in Merrill Canyon is four miles west of the Davis Mountain Resort area, which late last week had been threatened by the advancing fire.

Hankins said Texas Forest Service estimates set the rangeland damage at between 15,000 and 16,000 acres. He noted that large pine trees in the fire zone areas were generally not damaged. "The fire just wasn't hot enough," he explained.

There were no reports of injuries from the fire which was sparked by lightning on 8,382-foot high Mount Livermore. One Texas Forest Service ranger was overcome by what Hankins called "the altitude" late

Saturday night, Hankins said.

There have been no reports of structural damage caused by the fire, Hankins said this morning.

After the fire was contained Sunday, the National Forest Service crews were released.

"Right now we are in sort of a definition period between 'containment' and 'control.' We expect to have the fire controlled later today," Hankins said.

Kidnapped nobleman found dead

ANTWERP, Belgium (AP) — The body of wealthy Baron Charles Victor Bracht, kidnapped on March 7, has been found, a police source announced today.

The source said the body of the 63-year-old nobleman was found at Oelegem, in Antwerp Province. He was kidnapped at a parking lot in Antwerp where he had left his car on his way to his office.

The baron headed an international conglomerate dealing in tropical products, insurance and construction.

After the kidnapping, the police and Bracht's family imposed a blackout on their contacts with the kidnappers. There were rumors that a ransom had been asked and that some proof had been supplied to indicate that the baron was still alive, but that was several weeks ago.

A week ago, the Antwerp newspaper Gazet van Antwerpen got a telephone call saying that the missing man was dead. The caller gave no indication where the body could be found, and the Gazet published a request to the caller to phone again to help find the body.

On Saturday, Bracht's son in a television appearance pleaded with the kidnappers to contact him. He said the long detention might endanger his father's health.

Relatives said the baron had a heart condition.

However, it was not learned immediately whether he had been murdered or died from an illness.

City temperature falls with Sunday's brief rain

Midland got a little rain and a lot colder late Sunday, according to the National Weather Service at Midland Regional Air Terminal.

The low temperature again is expected to drop to the lower 40s tonight but Tuesday should be warmer, with the high near 70. There is a 40 percent chance of rain tonight, says the weatherman.

Midland got .09 inch of rain Sunday which raised the year's total to .85 inch. Temperatures tumbled from a high of 78 at 1 p.m. Sunday to a low of 45 at 7 a.m. today. With a strong wind

blowing early today, it was shivery weather, reminiscent of a month or two ago.

Northerly winds of 5 to 10 miles per hour are predicted for tonight, the weatherman said.

Area towns this morning reported much the same kind of weather as Midland had, cloudy and cold, with a little rain falling almost everywhere. Big Spring reported some hail also, and Rankin reported hail "up to golf ball size."

The most rain reported was .27 inch at Big Lake Sunday.

1923 bill worth more than its face value

Like just about everybody outside that old skinflint Scrooge, Al Frith has spent far more money than he possibly could think of saving.

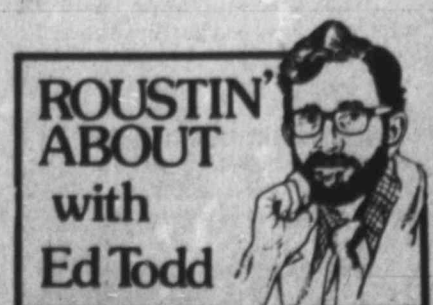
It's called "getting by." But Frith has something left out of it all, a bit of "green" from '23. It is by today's standards, an oversized silver-dollar certificate.

"I managed to save my first dollar," he said. "But that's about all I managed to save."

Yet the dollar he picked up while he was peddling groceries up in Chillicothe back in the '20s means far more to him than a brick of gold would.

"My wife (Ima O'Neal) and I got married in 1923, and I got that thing in 1928," said Frith, who has spent most of his working life either in the grocery store or out in the field farming cotton.

Frith recalled the not-so-prosperous '20s when a dollar a day for a fellow was fair wages. It was just barely enough to feed, cloth and shelter a guy



who didn't wear or want spats.

His lot was to work for other men. Frith, now 72, was born at Hillsboro in Hill County but grew up at Chillicothe, where he helped his father on the farm. Their plow-pullers were draft horses.

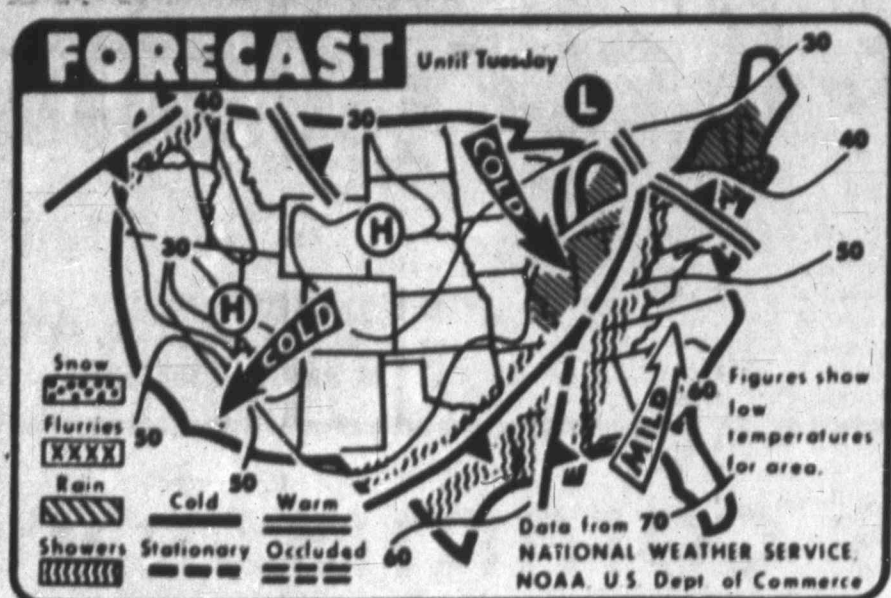
Later, the family moved to black land country called Greenville in Northeast Texas. And that's where Frith, "just barely 17," married Ima O'Neal against the objections of both families and the preacher who united them. But all was resolved before the

(Continued on Page 2A)

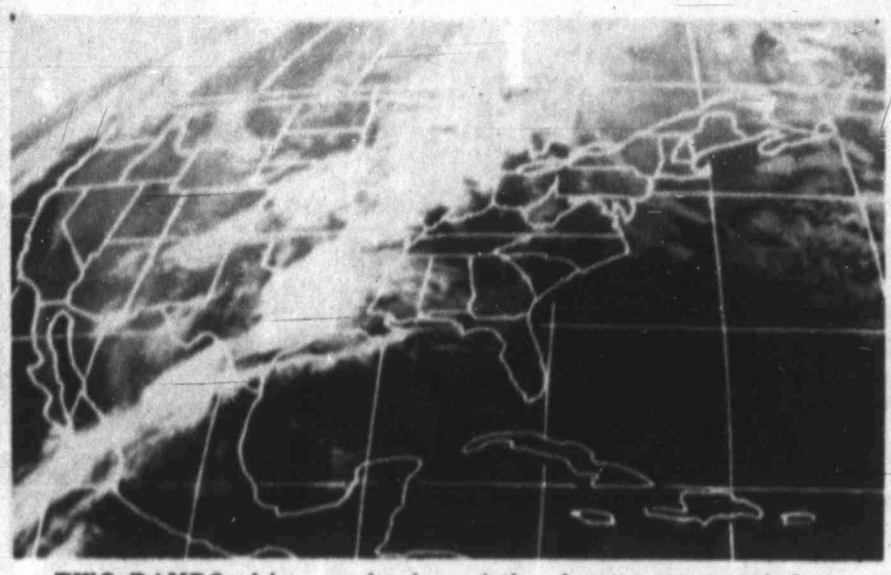


A dollar's a dollar. But to Al Frith, this well-worn 1923 bill has a special meaning. (Staff Photo)

WEATHER SUMMARY



CLEAR BUT COOLER weather is forecast today from the Pacific coast to the Midwest. Mild weather is expected from the Southeast through the mid-Atlantic region. A band of showers and rain is forecast from Texas to New England. (AP Laserphoto Map)



TWO BANDS of heavy clouds and thunderstorms stretch from Texas to the Great Lakes and from New Mexico to Minnesota. Lesser clouds also cover parts of the Gulf Coast, central Appalachians and northern Rockies. (AP Laserphoto)

Midland statistics

MIDLAND, ODESSA, RANKIN, BIG LAKE, GARDEN CITY FORECAST: Cloudy and colder with a chance of rain tonight. Partly cloudy and warmer Tuesday. The low tonight near 40. High Tuesday near 70. Winds 5 to 15 mph tonight. Chance of rain 40 percent tonight.

ANDREWS, LAMESA, BIG SPRING, STANTON FORECAST: Cloudy and colder with a chance of rain tonight. Partly cloudy and warmer Tuesday. The low tonight near 40. High Tuesday near 70. Winds 5 to 15 mph tonight. Chance of rain 40 percent tonight.

NATIONAL WEATHER SERVICE READINGS:
Yesterday's High: 70 degrees
Overnight Low: 45 degrees
Now today: 50 degrees
Sunset today: 7:14 p.m.
Sunrise tomorrow: 6:35 a.m.
Last 24 hours: 0.00 inches
This month to date: 0.00 inches
1978 to date: 0.00 inches

LOCAL TEMPERATURES:
Now: 50
1 p.m.: 52
2 p.m.: 54
3 p.m.: 56
4 p.m.: 58
5 p.m.: 60
6 p.m.: 62
7 p.m.: 64
8 p.m.: 66
9 p.m.: 68
10 p.m.: 70
11 p.m.: 72
Midnight: 74
1 a.m.: 76
2 a.m.: 78
3 a.m.: 80
4 a.m.: 82
5 a.m.: 84
6 a.m.: 86
7 a.m.: 88
8 a.m.: 90
9 a.m.: 92
10 a.m.: 94
11 a.m.: 96
12 p.m.: 98
1 p.m.: 100
2 p.m.: 102
3 p.m.: 104
4 p.m.: 106
5 p.m.: 108
6 p.m.: 110
7 p.m.: 112
8 p.m.: 114
9 p.m.: 116
10 p.m.: 118
11 p.m.: 120
Midnight: 122
1 a.m.: 124
2 a.m.: 126
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Midnight: 170
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Midnight: 746
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7 a.m.: 1000
8 a.m.: 1002
9 a.m.: 1004
10 a.m.: 1006
11 a.m.: 1008
12 p.m.: 1010
1 p.m.: 1012
2 p.m.: 1014
3 p.m.: 1016
4 p.m.: 1018
5 p.m.: 1020
6 p.m.: 1022
7 p.m.: 1024
8 p.m.: 1026
9 p.m.: 1028
10 p.m.: 1030
11 p.m.: 1032
Midnight: 1034
1 a.m.: 1036
2 a.m.: 1038
3 a.m.: 1040
4 a.m.: 1042
5 a.m.: 1044
6 a.m.: 1046
7 a.m.: 1048
8 a.m.: 1050
9 a.m.: 1052
10 a.m.: 1054
11 a.m.: 1056
12 p.m.: 1058
1 p.m.: 1060
2 p.m.: 1062
3 p.m.: 1064
4 p.m.: 1066
5 p.m.: 1068
6 p.m.: 1070
7 p.m.: 1072
8 p.m.: 1074
9 p.m.: 1076
10 p.m.: 1078
11 p.m.: 1080
Midnight: 1082
1 a.m.: 1084
2 a.m.: 1086
3 a.m.: 1088
4 a.m.: 1090
5 a.m.: 1092
6 a.m.: 1094
7 a.m.: 1096
8 a.m.: 1098
9 a.m.: 1100
10 a.m.: 1102
11 a.m.: 1104
12 p.m.: 1106
1 p.m.: 1108
2 p.m.: 1110
3 p.m.: 1112
4 p.m.: 1114
5 p.m.: 1116
6 p.m.: 1118
7 p.m.: 1120
8 p.m.: 1122
9 p.m.: 1124
10 p.m.: 1126
11 p.m.: 1128
Midnight: 1130
1 a.m.: 1132
2 a.m.: 1134
3 a.m.: 1136
4 a.m.: 1138
5 a.m.: 1140
6 a.m.: 1142
7 a.m.: 1144
8 a.m.: 1146
9 a.m.: 1148
10 a.m.: 1150
11 a.m.: 1152
12 p.m.: 1154
1 p.m.: 1156
2 p.m.: 1158
3 p.m.: 1160
4 p.m.: 1162
5 p.m.: 1164
6 p.m.: 1166
7 p.m.: 1168
8 p.m.: 1170
9 p.m.: 1172
10 p.m.: 1174
11 p.m.: 1176
Midnight: 1178
1 a.m.: 1180
2 a.m.: 1182
3 a.m.: 1184
4 a.m.: 1186
5 a.m.: 1188
6 a.m.: 1190
7 a.m.: 1192
8 a.m.: 1194
9 a.m.: 1196
10 a.m.: 1198
11 a.m.: 1200
12 p.m.: 1202
1 p.m.: 1204
2 p.m.: 1206
3 p.m.: 1208
4 p.m.: 1210
5 p.m.: 1212
6 p.m.: 1214
7 p.m.: 1216
8 p.m.: 1218
9 p.m.: 1220
10 p.m.: 1222
11 p.m.: 1224
Midnight: 1226
1 a.m.: 1228
2 a.m.: 1230
3 a.m.: 1232
4 a.m.: 1234
5 a.m.: 1236
6 a.m.: 1238
7 a.m.: 1240
8 a.m.: 1242
9 a.m.: 1244
10 a.m.: 1246
11 a.m.: 1248
12 p.m.: 1250
1 p.m.: 1252
2 p.m.: 1254
3 p.m.: 1256
4 p.m.: 1258
5 p.m.: 1260
6 p.m.: 1262
7 p.m.: 1264
8 p.m.: 1266
9 p.m.: 1268
10 p.m.: 1270
11 p.m.: 1272
Midnight: 1274
1 a.m.: 1276
2 a.m.: 1278
3 a.m.: 1280
4 a.m.: 1282
5 a.m.: 1284
6 a.m.: 1286
7 a.m.: 1288
8 a.m.: 1290
9 a.m.: 1292
10 a.m.: 1294
11 a.m.: 1296
12 p.m.: 1298
1 p.m.: 1300
2 p.m.: 1302
3 p.m.: 1304
4 p.m.: 1306
5 p.m.: 1308
6 p.m.: 1310
7 p.m.: 1312
8 p.m.: 1314
9 p.m.: 1316
10 p.m.: 1318
11 p.m.: 1320
Midnight: 1322
1 a.m.: 1324
2 a.m.: 1326
3 a.m.: 1328
4 a.m.: 1330
5 a.m.: 1332
6 a.m.: 1334
7 a.m.: 1336
8 a.m.: 1338
9 a.m.: 1340
10 a.m.: 1342
11 a.m.: 1344
12 p.m.: 1346
1 p.m.: 1348
2 p.m.: 1350
3 p.m.: 1352
4 p.m.: 1354
5 p.m.: 1356
6 p.m.: 1358
7 p.m.: 1360
8 p.m.: 1362
9 p.m.: 1364
10 p.m.: 1366
11 p.m.: 1368
Midnight: 1370
1 a.m.: 1372
2 a.m.: 1374
3 a.m.: 1376
4 a.m.: 1378
5 a.m.: 1380
6 a.m.: 1382
7 a.m.: 1384
8 a.m.: 1386
9 a.m.: 1388
10 a.m.: 1390
11 a.m.: 1392
12 p.m.: 1394
1 p.m.: 1396
2 p.m.: 1398
3 p.m.: 1400
4 p.m.: 1402
5 p.m.: 1404
6 p.m.: 1406
7 p.m.: 1408
8 p.m.: 1410
9 p.m.: 1412
10 p.m.: 1414
11 p.m.: 1416
Midnight: 1418
1 a.m.: 1420
2 a.m.: 1422
3 a.m.: 1424
4 a.m.: 1426
5 a.m.: 1428
6 a.m.: 1430
7 a.m.: 1432
8 a.m.: 1434
9 a.m.: 1436
10 a.m.: 1438
11 a.m.: 1440
12 p.m.: 1442
1 p.m.: 1444
2 p.m.: 1446
3 p.m.: 1448
4 p.m.: 1450
5 p.m.: 1452
6 p.m.: 1454
7 p.m.: 1456
8 p.m.: 1458
9 p.m.: 1460
10 p.m.: 1462
11 p.m.: 1464
Midnight: 1466
1 a.m.: 1468
2 a.m.: 1470
3 a.m.: 1472
4 a.m.: 1474
5 a.m.: 1476
6 a.m.: 1478
7 a.m.: 1480
8 a.m.: 1482
9 a.m.: 1484
10 a.m.: 1486
11 a.m.: 1488
12 p.m.: 1490
1 p.m.: 1492
2 p.m.: 1494
3 p.m.: 1496
4 p.m.: 1498
5 p.m.: 1500
6 p.m.: 1502
7 p.m.: 1504
8 p.m.: 1506
9 p.m.: 1508
10 p.m.: 1510
11 p.m.: 1512
Midnight: 1514
1 a.m.: 1516
2 a.m.: 1518
3 a.m.: 1520
4 a.m.: 1522
5 a.m.: 1524
6 a.m.: 1526
7 a.m.: 1528
8 a.m.: 1530
9 a.m.: 1532
10 a.m.: 1534
11 a.m.: 1536
12 p.m.: 1538
1 p.m.: 1540
2 p.m.: 1542
3 p.m.: 1544
4 p.m.: 1546
5 p.m.: 1548
6 p.m.: 1550
7 p.m.: 1552
8 p.m.: 1554
9 p.m.: 1556
10 p.m.: 1558
11 p.m.: 1560
Midnight: 1562
1 a.m.: 1564
2 a.m.: 1566
3 a.m.: 1568
4 a.m.: 1570
5 a.m.: 1572
6 a.m.: 1574
7 a.m.: 1576
8 a.m.: 1578
9 a.m.: 1580
10 a.m.: 1582
11 a.m.: 1584
12 p.m.: 1586
1 p.m.: 1588
2 p.m.: 1590
3 p.m.: 1592
4 p.m.: 1594
5 p.m.: 1596
6 p.m.: 1598
7 p.m.: 1600
8 p.m.: 1602
9 p.m.: 1604
10 p.m.: 1606
11 p.m.: 1608
Midnight: 1610
1 a.m.: 1612
2 a.m.: 1614
3 a.m.: 1616
4 a.m.: 1618
5 a.m.: 1620
6 a.m.: 1622
7 a.m.: 1624
8 a.m.: 1626
9 a.m.: 1628
10 a.m.: 1630
11 a.m.: 1632
12 p.m.: 1634
1 p.m.: 1636
2 p.m.: 1638
3 p.m.: 1640
4 p.m.: 1642
5 p.m.: 1644
6 p.m.: 1646
7 p.m.: 1648
8 p.m.: 1650
9 p.m.: 1652
10 p.m.: 1654
11 p.m.: 1656
Midnight: 1658
1 a.m.: 1660
2 a.m.: 1662
3 a.m.: 1664
4 a.m.: 1666
5 a.m.: 1668
6 a.m.: 1670
7 a.m.: 1672
8 a.m.: 1674
9 a.m.: 1676
10 a.m.: 1678
11 a.m.: 1680
12 p.m.: 1682
1 p.m.: 1684
2 p.m.: 1686
3 p.m.: 1688
4 p.m.: 1690
5 p.m.: 1692
6 p.m.: 1694
7 p.m.: 1696
8 p.m.: 1698
9 p.m.: 1700
10 p.m.: 1702
11 p.m.: 1704
Midnight: 1706
1 a.m.: 1708
2 a.m.: 1710
3 a.m.: 1712
4 a.m.: 1714
5 a.m.: 1716
6 a.m.: 1718
7 a.m.: 1720
8 a.m.: 1722
9 a.m.: 1724
10 a.m.: 1726
11 a.m.: 1728
12 p.m.: 1730
1 p.m.: 1732
2 p.m.: 1734
3 p.m.: 1736
4 p.m.: 1738
5 p.m.: 1740
6 p.m.: 1742
7 p.m.: 1744
8 p.m.: 1746
9 p.m.: 1748
10 p.m.: 1750
11 p.m.: 1752
Midnight: 1754
1 a.m.: 1756
2 a.m.: 1758
3 a.m.: 1760
4 a.m.: 1762
5 a.m.: 1764
6 a.m.: 1766
7 a.m.: 1768
8 a.m.: 1770
9 a.m.: 1772
10 a.m.: 1774
11 a.m.: 1776
12 p.m.: 1778
1 p.m.: 1780
2 p.m.: 1782
3 p.m.: 1784
4 p.m.: 1786
5 p.m.: 1788
6 p.m.: 1790
7 p.m.: 1792
8 p.m.: 1794
9 p.m.: 1796
10 p.m.: 1798
11 p.m.: 1800
Midnight: 1802
1 a.m.: 1804
2 a.m.: 1806
3 a.m.: 1808
4 a.m.: 1810
5 a.m.: 1812
6 a.m.: 1814
7 a.m.: 1816
8 a.m.: 1818
9 a.m.: 1820
10 a.m.: 1822
11 a.m.: 1824
12 p.m.: 1826
1 p.m.: 1828
2 p.m.: 1830
3 p.m.: 1832
4 p.m.: 1834
5 p.m.: 1836
6 p.m.: 1838
7 p.m.: 1840
8 p.m.: 1842
9 p.m.: 1844
10 p.m.: 1846
11 p.m.: 1848
Midnight: 1850
1 a.m.: 1852
2 a.m.: 1854
3 a.m.: 1856
4 a.m.: 1858
5 a.m.: 1900
6 a.m.: 1902
7 a.m.: 1904
8 a.m.: 1906
9 a.m.: 1908
10 a.m.: 1910
11 a.m.: 1912
12 p.m.: 1914
1 p.m.: 1916
2 p.m.: 1918
3 p.m.: 1920
4 p.m.: 1922
5 p.m.: 1924
6 p.m.: 1926
7 p.m.: 1928
8 p.m.: 1930
9 p.m.: 1932
10 p.m.: 1934
11 p.m.: 1936
Midnight: 1938
1 a.m.: 1940
2 a.m.: 1942
3 a.m.: 1944
4 a.m.: 1946
5 a.m.: 1948
6 a.m.: 1950
7 a.m.: 1952
8 a.m.: 1954
9 a.m.: 1956
10 a.m.: 1958
11 p.m.: 2000
Midnight: 2002
1 a.m.: 2004
2 a.m.: 2006
3 a.m.: 2008
4 a.m.: 2010
5 a.m.: 2012
6 a.m.: 2014
7 a.m.: 2016
8 a.m.: 2018
9 a.m.: 2020
10 a.m.: 2022
11 p.m.: 2024
Midnight: 2026
1 a.m.: 2028
2 a.m.: 2030
3 a.m.: 2032
4 a.m.: 2034
5 a.m.: 2036
6 a.m.: 2038
7 a.m.: 2040
8 a.m.: 2042
9 a.m.: 2044
10 a.m.: 2046
11 p.m.: 2048
Midnight: 2050
1 a.m.: 2052
2 a.m.: 2054
3 a.m.: 2056
4 a.m.: 2058
5 a.m.: 2100
6 a.m.: 2102
7 a.m.: 2104
8 a.m.: 2106
9 a.m.: 2108
10 a.m.: 2110
11 p.m.: 2112
Midnight: 2114
1 a.m.: 2116
2 a.m.: 2118
3 a.m.: 2120
4 a.m.: 2122
5 a.m.: 2124
6 a.m.: 2126
7 a.m.: 2128
8 a.m.: 2130
9 a.m.: 2132
10 a.m.: 2134
11 p.m.: 2136
Midnight: 2138
1 a.m.: 2140
2 a.m.: 2142
3 a.m.: 2144
4 a.m.: 2146
5 a.m.: 2148
6 a.m.: 2150
7 a.m.: 2152
8 a.m.: 2154
9 a.m.: 2156
10 a.m.: 2158
11 p.m.: 2200
Midnight: 2202
1 a.m.: 2204
2 a.m.: 2206
3 a.m.: 2208
4 a.m.: 2210
5 a.m.: 2212
6 a.m.: 2214
7 a.m.: 2216
8 a.m.: 2218
9 a.m.: 2220
10 a.m.: 2222
11 p.m.: 2224
Midnight: 2226
1 a.m.: 2228
2 a.m.: 2230
3 a.m.: 2232
4 a.m.: 2234
5 a.m.: 2236
6 a.m.: 2238
7 a.m.: 2240
8 a.m.: 2242
9 a.m.: 2244
10 a.m.: 2246
11 p.m.: 2248
Midnight: 2250
1 a.m.: 2252
2 a.m.: 2254
3 a.m.: 2256
4 a.m.: 2258
5 a.m.: 2300
6 a.m.: 2302
7 a.m.: 2304
8 a.m.: 2306
9 a.m.: 2308
10 a.m.: 2310
11 p.m.: 2312
Midnight: 2314
1 a.m.: 2316
2 a.m.: 2318
3 a.m.: 2320
4 a.m.: 2322
5 a.m.: 2324
6 a.m.: 2326
7 a.m.: 2328
8 a.m.: 2330
9 a.m.: 2332
10 a.m.: 2334
11 p.m.: 2336
Midnight: 2338
1 a.m.: 2340
2 a.m.: 2342
3 a.m.: 2344
4 a.m.: 2346
5 a.m.: 2348
6 a.m.: 2350
7 a.m.: 2352
8 a.m.: 2354
9 a.m.: 2356
10 a.m.: 2358
11 p.m.: 2400
Midnight: 2402
1 a.m.: 2404
2 a.m.: 2406
3 a.m.: 2408
4 a.m.: 2410
5 a.m.: 2412
6 a.m.: 2414
7 a.m.: 2416
8 a.m.: 2418
9 a.m.: 2420
10 a.m.: 2422
11 p.m.: 2424
Midnight: 2426
1 a.m.: 2428
2 a.m.: 2430
3 a.m.: 2432
4 a.m.: 2434
5 a.m.: 2436
6 a.m.:



John Nicolaides soars, left, above the campus of California Polytechnic State University at San Luis Obispo, Calif., in his parafoil flying machine after taking off, above, from the campus airstrip. The entire "N" flyer cost less than \$1,500. (Los Angeles Times Photos)

By CHARLES HILLINGER
The Los Angeles Times

"Down the road I can see kids and their parents all over the country fly-

Nicolaïses invented his parafoil flying machine, but the war ended before it could be used by American

mercial airliners and light planes with the nylon wings: "Any time any trouble occurs in flight parafoils could be opened above the aircraft for safe

the nation and making parafoil drops that home onto post office roofs like birds coming in for a landing.

she had been a Lubbock resident since moving here from Weatherford in 1925. She was a member of the Broadway Church of Christ and the South Plains Genealogical Society.

Mr. and Mrs. Refugio Martinez of
Midland and Mr. and Mrs. Jesusita
Garcia of Eldorado.

Survivors include his father, G. W. Wilcox Sr. of Odessa, and a brother G. W. Wilcox Jr. of California.

ducted to stop the sale of alcohol beverages in the northern end of the precinct.

By HARRY NELSON
The Los Angeles Times

Within the past 15 years, research

person without warning falls asleep during normal waking hours, accounts for 80 percent to 90 percent of all daytime sleepiness complaints.

large amounts of Mirex and other chemical contaminants were discovered in fish. But the state Environmental Conservation Com-

UNIT PRODS NAKED
NET PAME ANDER
ERECT RHUS
IGNORE SLOA MAR
TIES MAKINGGOOD

The House report said double

wine, the Texas Liquor Control Board said. The board has ruled that a prohibitive election would have to be conducted to stop the sale of alcohol.

ducted to stop the sale of alcohol beverages in the northern end of the precinct.

ANSWER TO PREVIOUS PUZZLE

MUSICAL	ASTUTE
OPPOSITE	THROG
DRINK	THOROUGH
OLD	MAPROOF
SCIENCE	SUAL
SITTING	THROG
THIRD	DICES
MEAN	PEARLY
WHICKERING	
STERVE	DANCE
LONG	DADO
ERROR	
ROPE	YOKES
WOLF	
TALE	FOURTH
LEAD	
MAGNET	AIDING
FLAME	
FLAME	
SEPTET	FOODS

ANSWER TO PLYMOUTH Puzzle
 CHIC ROW DEEP
 PLUMB AION LAD
 AUTOMATION ARGO
 YES EXIT WHITER
 HANO SOUTH
 STAGE BURG OED
 SCOUR FLING USE
 HINDO BAY FLATE
 UOI PRODS MARKS
 DEE PANE ANDER
 BRECT RUDS
 UICHOE SLOC NEE
 LINES MARKINGOOD
 FINE FIRM EUBAY
 HALL ODE NYES

SCRAM-LETS

That Intriguing Word Game with a Chuckle

Edited by CLAY S. FOLAN

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

NATKEL

MAFEL

LAFEB

PECSIT



Old fishermen never die -- they just -- that way.

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

3 PRINT NUMBERED LETTERS IN THESE SQUARES

4 UNSCRAMBLE ABOVE LETTERS TO GET ANSWER

Old fishermen never die -- they just SMELL that way.

SCRAM-LETS ANSWERS

THE BETTER HALF



"I think Mother can pack without your help."

ANDY CAPP



SHOE



DICK TRACY



REX MORGAN M.D.

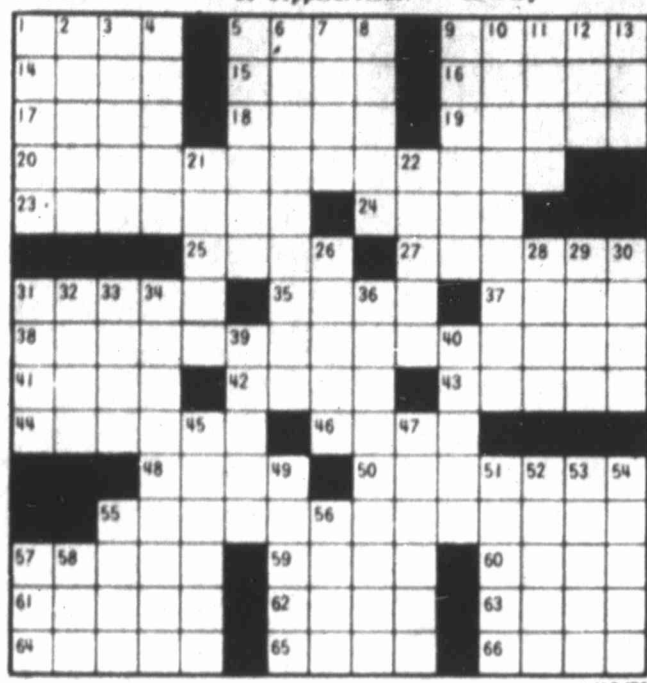


DAILY CROSSWORD PUZZLE

Edited by Margaret Farrar

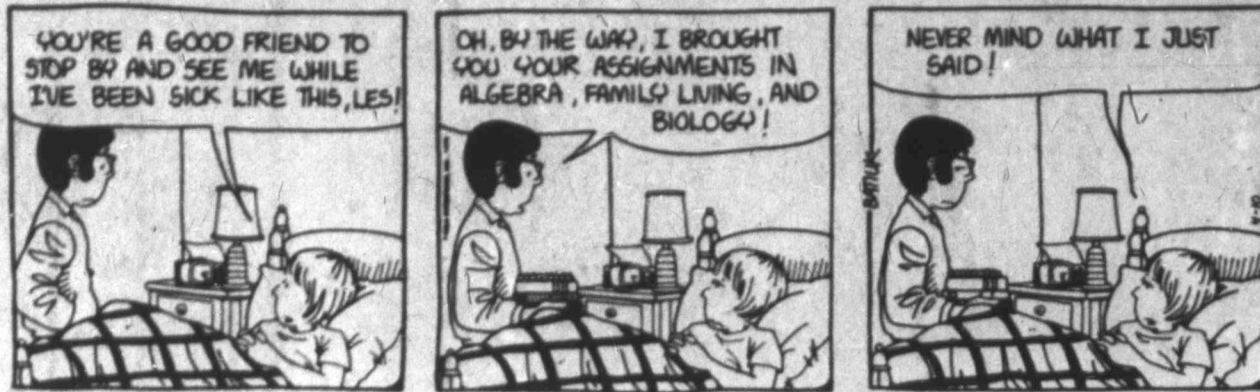
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- | | | |
|--|--|---|
| <p>ACROSS</p> <p>1 Clockmaker Thomas</p> <p>5 Flecked with color</p> <p>9 Salad mold</p> <p>14 Type of drill: Abbr.</p> <p>15 Do a KP job</p> <p>16 Patio vehicle</p> <p>17 Declare</p> <p>18 Shah's realm</p> <p>19 Lincoln's Nancy</p> <p>20 D.H. Lawrence novel: Phrase</p> <p>23 Wind of southern France</p> <p>24 Name for a garcon</p> <p>25 Fast-talking</p> <p>27 Rifle reaction</p> <p>31 Dance</p> <p>35 Certain ans.</p> <p>37 Wedding symbol</p> <p>38 Gift meaning</p> <p>41 Sailor's goal</p> <p>42 Italian commune</p> <p>43 Pitchers</p> <p>44 Arboreal animals</p> <p>46 Frogs, toads, etc.: Abbr.</p> <p>48 Table d'—</p> | <p>50 Ancient language</p> <p>55 Message for a sweetheart: Phrase</p> <p>57 Expiate</p> <p>59 Sorts</p> <p>60 Graven image</p> <p>61 Blush</p> <p>62 — were</p> <p>63 Farmer's home</p> <p>64 Clasp</p> <p>65 Warning to a child</p> <p>66 Appendix a postscript</p> | <p>DOWN</p> <p>1 Temporary activity</p> <p>2 Ballade's conclusion</p> <p>3 Years</p> <p>4 Novelist Fannie</p> <p>5 — cord</p> <p>6 Bad luck</p> <p>7 Vocal</p> <p>8 Voice</p> <p>9 Greek goddess of wisdom</p> <p>10 Sentinel of a sort</p> <p>11 Utensils</p> <p>12 Annoy</p> <p>13 Coppers: Abbr.</p> <p>21 Idiom</p> <p>22 1/2 mile, in Moscow</p> <p>26 Blessed: Lat.</p> <p>28 River into the Seine</p> <p>29 Cooler</p> <p>30 Smaller</p> <p>31 Recipe abbr.</p> <p>32 MP's problem</p> <p>33 Role in "Quo Vadis?"</p> <p>34 Win approval: Colloq. phrase</p> <p>36 Cantankerous old woman</p> <p>39 Quick</p> <p>40 Actress of the 19th century</p> <p>45 Baseball thriller</p> <p>47 Magician's word</p> <p>49 Spa in France</p> <p>51 Peak in Crete</p> <p>52 Helped</p> <p>53 — New York</p> <p>54 song from "The Rain Mill"</p> <p>54 Cubicles</p> <p>55 Pod of a plant</p> <p>56 As well</p> <p>57 German exclamation</p> <p>58 Very</p> |
|--|--|---|



4/10/78

FUNKY WINKERBEAN



BLONDIE



MARY WORTH



JUDGE PARKER



STEVE ROPER



NANCY



STEVE CANYON



DENNIS THE MENACE



"Try tellin' it like it is around here...jus' try!"

HEATHCLIFF



"Where have you been?"

MARMADUKE



"Watch what you say. He's a spy from the next block!"

PEANUTS



monitor a series of
to determine to what extent
there are discussions of,
implications of and
partial visual displays of
sex.

"I'm not against sex.
But we want to know
what kind of curiosity
about sex is generated
from the kind of

**Classified
Advertising**
Dial 682-6222

Fresh water now prime commodity on Texas Coast

By JIM BRIGANCE

HOUSTON (AP) — Along the Texas Gulf Coast there is water everywhere, plenty enough to drink — if one has the price.

But in the years to come those most concerned with supplying water say the availability will hinge largely on how much users are willing to pay.

Already, some coastal residents have begun paying part of the price for fresh water. Land is sinking the Baytown-Pasadena-LaPorte area as fresh underground water is pumped out. And scientists say the important shellfish industry may be threatened if overdraw of fresh water alters the delicate coastal ecology.

"We think we have plenty of water but the problem is trying to keep up with expansion area-wide ... the problem is money," said H. R. Norman, assistant director of the Houston public works department.

Water men agree there is no real or threatened shortage of water on the teeming Gulf Coast. But there is a shortage of money to transport it from one growth area to another. The problem is — they say — how much are industry and private users willing to pay?

South of Houston the land sinks in a long, unbroken line to the sea — past oil rigs and refineries, past the onerous smell of petro-progress and past small bayside communities.

Salt grass and scrub replaced the carefully tended rice fields, and urban sprawl slowly replaced all of that over the past 25 years. Drab by birth, raped by opportunists, this vast savannah from Beaumont to Corpus Christi yet remains rich in natural assets. There are oil fields and refineries and seaports and marine life and tourism.

And now there is a problem of how to bring in water for the demanding millions whose numbers increase annually.

Harris County's millions — many of them immigrants from other states —

get their water from Lake Houston and Lake Livingston. But the U.S. Geological Survey estimates the need for water will increase fourfold by the year 2020.

The city of Houston is moving westward to tap groundwater supplies and "tremendous amounts of water stored in aquifers north and east of Houston could be withdrawn with reasonable planning," according to Sergio Garza, a hydrologist with the geologic survey.

Norman said, "There will always be wells and we can go farther and farther out for our water but then the farther out you go the more it costs to pipe the water back. It's a question of how much industry and home users are willing to pay for their water."

In their zeal to produce drinking water, Houston area drillers created a monster perhaps more critical than water shortages — land subsidence.

"This historic current level of pumpage from this (Gulf Coast) aquifer has caused severe water-related problems — notably land subsidence," said A. L. Black, chairman of the Texas Water Control Board. "In order to minimize land surface subsidence in the area it will be necessary to limit the quantity of water withdrawn from the aquifer."

Land subsidence is a condition created when the ground sinks because of removal of its underground water. Such low areas then become vulnerable to flooding from ocean tides, and rainfall collection.

Residential and business areas in Pasadena-Baytown-LaPorte suffered more than \$150 million in damage during the period between 1969 and 1973. To combat this insidious problem the Harris-Galveston Coastal Subsidence District was formed, the only organization of its kind in the state.

Since its formation, the group has gained control of regulation of fresh water well drilling and, according to Jim Dewberry, an administrative assistant with the group, land sub-

sidence has been checked.

In the quest for water, marine biologists caution that coastal cities — particularly the larger ones like Beaumont, Houston and Corpus Christi — must guard against removal of too much water from rivers and streams which empty into the Gulf of Mexico.

It is the delicate blend of fresh water and salt water in bays and estuaries that creates the womb-like

spawning grounds of shrimp and oysters.

Scott Holt with the Marine Sciences Institute at Port Aransas explains:

"When you cut off fresh water (in bays and estuaries) you cut off the nutrients, and these shellfish need the nutrients. Oysters do well in salt water, but so do their predators and disease."

Holt said the flushing action of fresh water also improves the oyster and

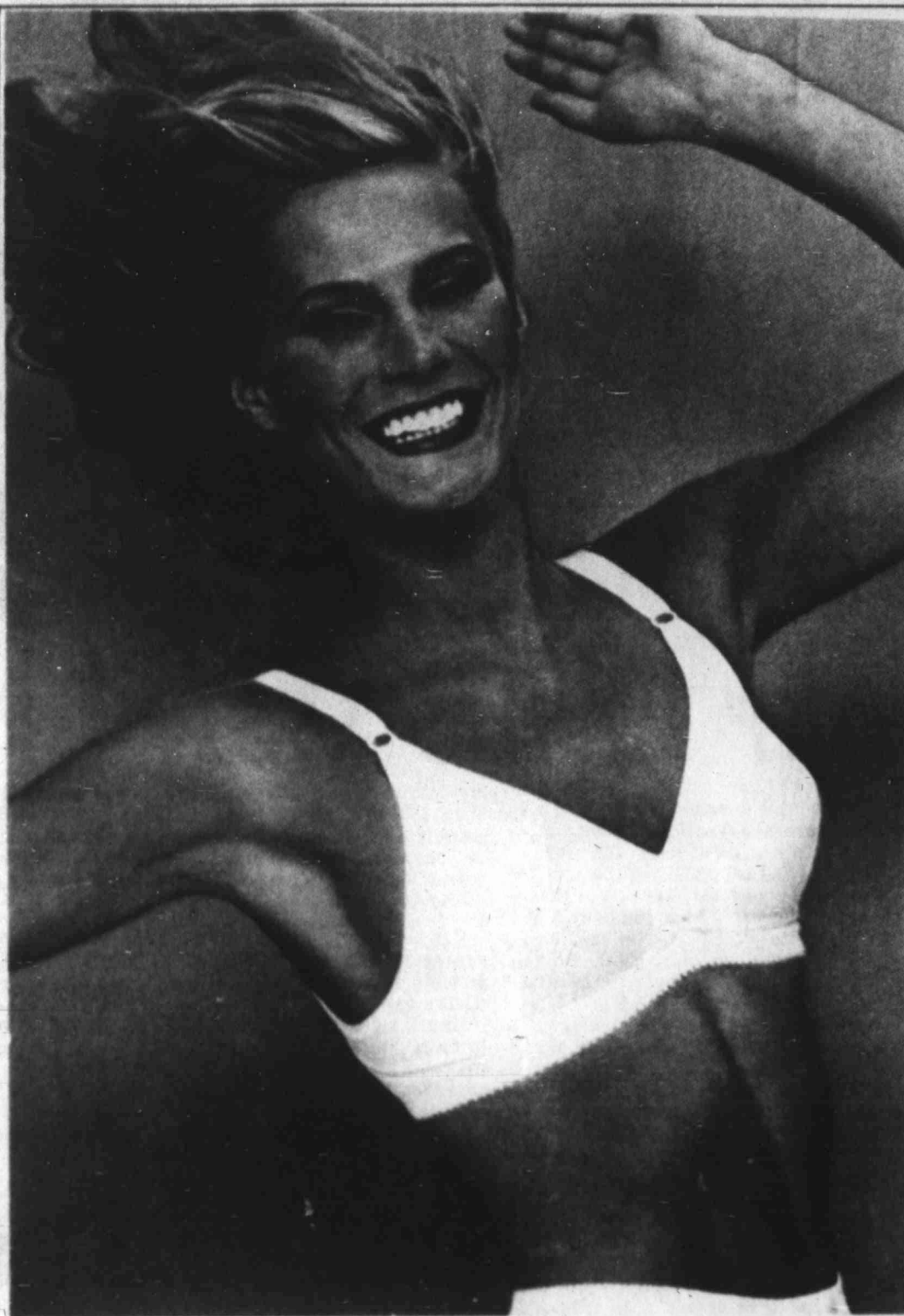
shrimp crop by cleaning the spawning area of pollution and disease organisms. Most of Galveston Bay has been closed to oystering because of pollutants pumped into it by industry in Houston and Texas City, and the municipalities nestled along it.

Most agree there are no complicated problems involved in supplying fresh water to the Gulf Coast, unless one considers money a complex problem.

Industry in Texas City already channels water in from the Brazos River, but it does so at a price ultimately paid by users of petroleum and chemical products.

But what is the alternative? Economic stagnation, or decline?

"Our studies show," said Black, "that water development, and especially water importation, are no longer interesting conversation pieces but are economic necessities."



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GRAMMER-MURPHEY

Other agencies critical of 'Texas First' program

By LEE JONES

AUSTIN, Texas (AP) — Gov. Dolph Briscoe's federally funded "Texas First" job creation program cranked out lots of brochures and awards for industrialists.

But did it find work for the unemployed, the poor and the underemployed — the purpose of the \$743,773 in federal Comprehensive Employment Training Act (CETA) funds it has received?

Briscoe claimed in November 1976 that Texas First — now called "The Governor's Job Creation Campaign" — had identified more than 45,000 jobs in the 18 months since its birth.

Less than two months before, however, the Texas Department of Community Affairs (TDCA) had cut its grant for 1977 from the \$300,000 requested to \$200,000.

"Many of the jobs 'identified' and many of the leads to jobs or training situations proved to be illusory," said a TDCA evaluation that preceded issuance of the 1977 grant.

A few months before, TDCA evaluator Bob Sindermann recommended termination of Texas First's grant, saying extension "would be a waste of state (or federal) funds and counter-productive."

Sindermann said the program had found jobs for only 91 CETA-eligible "economically disadvantaged, unemployed and underemployed persons."

But officials of the Texas Industrial Commission, which runs the governor's job creation program, say it produced results.

"The fact is, we were successful, and nobody can dispute that. The jobs — 35,000 verified of 38,000 pledged — were there," says Ed Latta, the commission's director of operations.

Because of Texas First, he said, "the recession (of 1975) had much less effect on Texas than other states."

A North Texas manpower official said, however, that job leads "developed" by Texas First often were already on file with the Texas Employment Commission.

Latta acknowledged that plant managers might have "pledged" jobs that were on file with

the TEC in order to get certificates from the governor and recognition at chambers of commerce luncheons.

"If I'd been a plant manager and had 20 jobs I'd sent over to the TEC, why I would say, 'I've got 20 right here,'" he added.

Fred Buchanan, who heads TDCA's "state services" section, said this year's grant was trimmed to \$80,000 and limits Texas First to conducting job fairs because "they were the only thing they could document" performance on.

A TDCA official explained the cutback, despite Briscoe's support of Texas First, by saying, "You've got a staff here that continues to gnaw away at some of these programs."

Texas First obtained its CETA money through Briscoe's State Manpower Services Council and TDCA.

A close observer of the council, who requested anonymity, called the body "a rubber stamp" with no choice but to approve Texas First because the governor wanted it.

"It was a real good program to get Governor Briscoe's face in front of everybody," said the head of one local manpower program that gets its CETA money direct from the U. S. Department of Labor.

Latta said he was "aware of those critics" among the prime sponsors.

"They felt like we were doing their job and we weren't going through them. The prime sponsors, I think, didn't understand what we were doing. They wanted credit for any CETA jobs placed in the areas of their concern," he said.

While criticisms by Sindermann and prime sponsors related mainly to Texas First's initial 18 months, TDCA evaluators still found problems last July — more than two years after it started.

They said, for instance, that Texas First had no

"effective information follow-up" on job openings and referrals.

There was no attempt by TDCA to verify jobs and training slots reported by Texas First in 1977 because this slowed the process of putting people to work, Buchanan said.

Some prime sponsors and TDCA officials also wondered aloud whether the commission was using its CETA money exclusively for CETA-related activities.

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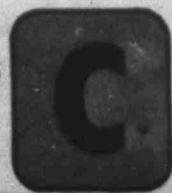
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Stockman explains facts to Carter, Schlesinger

(The author of the following article is a freshman Republican congressman from Michigan. He is a member of the House Energy and Power subcommittee.)

By DAVE STOCKMAN
Special to Washington Post

WASHINGTON — One of the most pernicious forces loose in Washington is the widely shared belief in the need for national energy independence. Beguiled by its deceptive allure, we are fashioning policies that would undermine our economy, further weaken our balance-of-payments position, and foist on the American people an unnecessary expansion of government control and cost.

The Carter administration's National Energy Plan raises the quest for energy self-sufficiency to a new plateau of illogic. It amounts to little more than a hastily compiled list of costly expedients for reducing the volume of oil imports. As such, it is not an energy policy at all but a throwback to anti-quoted notions of general autarky.

It is time to state the terrifying truth to Messrs. Schlesinger and Carter: The level of oil imports per se doesn't matter. What is important is that the energy needs of the U.S. economy be supplied at the lowest possible cost. In practical terms, this can be achieved by increased production of domestic oil and gas, coal substitution and energy conservation — but only to the extent possible at a cost equal to or less than the prevailing price of energy in the world economy — \$13 per barrel equivalent.

To reach this goal of supplying our energy needs at the least cost, we do not need a Project Independence, a National Energy Plan, Department of Energy regulatory programs, mandatory efficiency standards, or subsidized development of "energy alternatives." The market is fully capable of accomplishing this at the world price without the guidance of congress and the executive branch.

Even at the present artificially low domestic energy prices imposed by oil and gas regulatory controls, the boom in such products as insulation, engineered fireplaces and industrial heat recovery system demonstrates that both the household and business sectors of the economy will respond to pricing signals.

Indeed, the only major unfinished business in energy policy is the creation of a domestic energy pricing structure tied to the world price of oil. Rapid decontrol of oil and gas prices and the adjustment of utility rate schedules to reflect true costs of providing service to all customers would accomplish this with a minimum of regulatory cost. With a realistic price structure in place, the relentless cost-minimizing pressures of the marketplace would drive domestic energy production to its maximum and reduce consumption to its minimum at cost levels equivalent to the world price.

The result would be a significant reduction in U.S. oil imports. But, unlike the arbitrary displacement imposed by the Carter plan, it would be an efficient and beneficial reduction. The market will forgo \$13 imported oil only when coal substitution energy, or conservation energy, or new domestic oil and gas reserves are available at a lower cost. The market will not choose \$18 conservation energy, \$20 coal conversion or \$24 synthetic crude over \$13 imported oil. And it shouldn't. The strength of our economy and our international competitive position can be maintained only if we purchase all our energy supplies at the lowest price available even if that means turning to the world oil market for a significant portion of our needs.

The mandatory coal conversion program is the heart of the administration's oil import reduction program. It is also the best demonstration of the bad economics of the Carter plan.

Coal is cheaper than \$13 oil for operating large new utility and industrial boilers, primarily because of the economies of scale involved in coal transport, handling, storage, combustion and pollution control. Not surprisingly, the market already has recognized that coal is the lowest-cost alternative for large new facilities. Virtually all large boilers ordered in the past two years have been coal-fire.

These large new facilities will use coal without bureaucratic prodding. The real brunt of the Carter coal conversion program would fall on existing facilities and small industrial boilers, neither of which could ever be operated on coal for under \$13 per barrel equivalent in fully allocated costs. These facilities would be compelled to use up to \$20 per barrel coal "conversion energy" in place of \$13 oil. The administration's plan would thus impose energy cost structures far in excess of the prevailing world price on large segments of U.S. industrial production.

The administration isn't the only perpetrator of such bad bargains. Sen. Russell Long's plan to make \$16 shale oil competitive via a \$3-a-barrel tax credit involves the dubious

bargain of spending \$16 of national income to save \$13.

The truth is that spending \$16 or more to save \$13 is the essence of the National Energy Plan. Project Independence and all their progeny. Every panacea being pushed in the policy arena today — subsidized acceleration of the fast breeder, federally financed synthetic fuels development, subsidized solar power installation, more draconian conservation measures such as thermal efficiency standards for existing housing, mandatory industrial efficiency standards, gas guzzler taxes — involves the forced feeding of energy into the economy at costs far above world oil prices.

Washington does not have a great reputation for economic acumen, but the present wholesale stampede to adopt bad economic bargains requires more of an explanation than simple ignorance. The explanation lies in two unsupportable notions that have been incorporated into the conventional wisdom.

The first is that world markets are running out of energy supplies and can't be relied upon much longer — so we must go it alone. The nonsense of this proposition is revealed best by the fact that in the 100-year history of the petroleum age, the world economy has thus far succeeded in consuming only 8 percent of the conservatively estimated resource base of natural gas and 15 percent of oil resources.

Even with today's still imperfect geologic knowledge, using cautious pre-1973 estimates, there are nearly

3,000 trillion barrels of oil and gas left — enough to last the world another half century even at double current rates of consumption. And that is to say nothing of the far more prodigious endowment of lower grade resources — 25,000 trillion barrels of coal and geopressurized gas alone — that could be upgraded to refinery and pipeline quality fuels when price and cost levels warrant it.

The second bit of nonsense is that although the raw supplies may be there, the market mechanism itself has disappeared: OPEC is alleged to have suspended or superseded the economic rules of supply and demand, and what may have once been an international energy marketplace has now become a wholly political arena of intrigue, powerplays and peril. Were we to abandon the quest for energy independence, the argument goes, U.S.-stimulated growth of world oil demand would encourage OPEC to substantially increase the price again during the 1980s. Given the oil and gas exploration boom underway all over the globe, this scenario seems wholly unconvincing unless bolstered with fudge-factory numbers like those contained in the now-discredited CIA study of last April.

But even if there is some slight probability that OPEC will increase the world oil price significantly during the mid-1980s, the argument is irrelevant. One is tempted to ask Secretary Schlesinger why it is so bad to permit OPEC to inflict an \$18 energy price regime on the U.S. economy in 1985, but patriotic and virtuous to empower his department to do the same thing in 1978.

Another big blast due in 90 billion years

The Washington Post

WASHINGTON — Fresh evidence has been found to suggest that the universe will cease to expand, then start to contract until it gets so dense and overheated that the Act of Creation is repeated in another awesome fireball.

The evidence suggests that the universe will go on expanding for another 40 billion years, then will begin to shrink and fall back on itself for another 50 billion years until the stars and planets and dust and gas throughout the whole universe are so close together that they explode in an event as cataclysmic as the one that formed the universe more than 10 billion years ago.

The evidence for this comes from recent findings by a pair of scientific satellites circling the Earth and even more recent findings by the world's largest radio telescope at Arecibo in Puerto Rico.

What the satellites and the telescope at Arecibo have found is that there is far more dust, gas and matter in the voids of deep space than can be seen with optical telescopes or measured with conventional instruments. So much more matter in fact that it makes up almost half of what astronomers have come to call the "missing mass" that disappeared from sight after the primordial Big Bang.

In the last 30 years, astronomers have been able to account in the stars and galaxies they see for only three percent of the mass or matter that would have had to be present at the time of Creation to explain the size of the universe and the way it seems to be expanding. The other 97 percent always has been called the "missing mass."

If the missing mass proves to be forever missing, in fact the 97 percent does not exist, that would mean the universe would go on expanding forever. It would mean there is not enough mass in the universe to stop its expansion and force it to

start contracting again. "It would mean the stars would all burn out and the universe would become dark," said Dr. Herbert Friedman of the Naval Research Laboratory, an authority on the missing mass. "It would mean the dark mass would then expand into infinity..."

The satellites that have found fresh evidence for the missing mass are the Small Astronomy Satellite and the High Energy Astronomical Observatory, both of which were flown into earth orbit in the last two years by the National Aeronautics and Space Administration. Both satellites are equipped with instruments to detect distant sources of X-rays, which have their origins in stars that are superheated or intergalactic gas that's been heated to temperatures as high as 100 million degrees.

Astronomers long have figured that much of the missing mass lies as gas between galaxies, which seem to be little more than voids of empty space. Both the SAS and HEAO satellites have discovered gas between the galaxies in at least three clusters of galaxies up to as much as half the missing mass. That still leaves a lot that's missing but Drake thinks it may all be in the form of primordial black holes, stars formed at the time of Creation that collapsed immediately to objects so dense they weigh 1 billion tons but are so small they're invisible.

"They could be all through space and we'd never know it," Drake said. "They're literally so small the only way you'd ever find one is by running right into one."

In a galactic cluster called Virgo-A, the HEAO satellite has found X-ray emissions that suggest there may be as many as 1,000 billion stars in the cluster, fully 30 times as many stars as can be

seen with telescopes in Virgo-A.

"If this is typical of all clusters," said NRL's Dr. Friedman, "that might add up to enough mass all by itself to close the universe."

What the giant radio telescope at Arecibo has contributed to solving the puzzle of the missing mass is to find in a look at some 80 spiral galaxies that it cannot find the ends of these galaxies. No matter how far from the galactic center the telescope has searched it still finds clouds of gas and dust dense enough to get a radar echo, even though nothing is visible where it is looking.

"In any of the galaxies we've looked at we've never come to the end of the mass in the galaxy. Never," said Dr. Frank Drake, director of the National Center for Ionospheric Research, which operates the Arecibo telescope. "What that says about the missing mass is that a lot of it's right there in the outer parts of the galaxies and in a dark form. It just doesn't shine like stars."

Together, the observations made by the two satellites and the telescope at Arecibo add up to as much as half the missing mass. That still leaves a lot that's missing but Drake thinks it may all be in the form of primordial black holes, stars formed at the time of Creation that collapsed immediately to objects so dense they weigh 1 billion tons but are so small they're invisible.

"They could be all through space and we'd never know it," Drake said. "They're literally so small the only way you'd ever find one is by running right into one."

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DON DURNAM
THINK MUD

The New Era, a semi-submersible drilling rig, is scheduled to start drilling today for Continental Oil Co. in the Baltimore Canyon area off the coast of

New Jersey, 77 miles east of Atlantic. The rig was outfitted on the Texas Gulf Coast and started its journey to the drillsite March 30.

Conoco plans to spud explorer in Baltimore Canyon area today

ATLANTIC CITY, N.J. (AP) — Continental Oil Co. plans to start drilling operations today 77 miles east of here in the Baltimore Canyon Trough, a company spokesman said.

The firm became the second company to join the "black goldrush" Sunday when its drill rig "New Era" dropped anchor.

"Everything is going right on schedule in dropping the anchors," said Conoco spokesman David Moffitt. "As the rig came across the buoy, it dropped its first anchor. The remaining seven anchors will be put out by workboats."

Moffitt said if everything went according to plan, the 11-million-pound rig, leased from Diamond M Drilling Co. of Houston, could "spud" by this afternoon. He said "spud" was industry lingo for drilling and added he had no idea how the work originated.

The self-propelled, pontoon-supported platform, which left Sabine Pass, Texas, on March 30, is about 20 miles west of the Exxon ship Glomar Pacific which began drilling after several storm-related delays March 29.

The weather was more cooperative for Conoco's 50-man crew.

"Some of our veteran drilling experts say they couldn't have asked for

finer sea conditions or finer weather for the anchoring procedure, which will take about 12 hours," said Moffitt.

The rush for oil was cleared in February when the U.S. Supreme Court refused to hear an environmental suit.

Conoco officials have estimated it will take at least 60 days and cost about \$3.6 million to reach the planned 12,000 foot depth for the first exploratory well. Conoco paid \$58.8 million for 5,760 acres where the New Era will drill.

Exxon officials reported Friday

that they had drilled more than 1,300 feet of a planned 14,000-foot well.

Moffitt said the odds of finding anything at all in an exploratory well were one-in-nine and odds of finding enough oil to justify spending for a well were one-in-48.

Even if oil is discovered, it will be a while before it makes it into your gas tank.

"They figure a year or two for exploration and analysis," said Moffitt. "Then we get into the construction phase — the last range I heard for actual production was five, seven or eight years."

OPEC member could become oil importer

The Los Angeles Times

SINGAPORE — The numerous oil fields of Indonesia are now producing at record levels and national oil income is greater than ever. Paradoxically, Indonesia's oil industry is sick and the disease is affecting all of Asia.

Authoritative sources say at least two confidential oil industry surveys and a study by U.S. economic experts indicate that Indonesia may cease to be a significant exporter of oil far sooner than had been expected. The nation, now the ninth ranked producer among the Organization of Petroleum Exporting Countries, could be a net oil importer within a decade.

An official of one major company said it was perhaps already too late to avert that situation ever with new exploration.

Indonesia's questionable prospects are depressing hope for a revival of the Southeast Asian oil boom which collapsed in 1975-1976. Oilmen are convinced plenty of oil remains to be found and developed, but the future pace will likely be cautious and complicated.

The potential is high but incentives are low, said Allen Hatley, regional executive of Cities Service and chairman of the Southeast Asia Petroleum Exploration Society.

Hatley, in a paper delivered to a regional oil conference, said a major reason for the oil boom of the early 70's was the momentum and flexibility that grew from sustained exploration throughout the area.

This "is rapidly disappearing," he said.

Hatley avoided citing specific reasons or nations. Other officials speaking privately put most of the blame on President Suharto of Indonesia and, to a lesser degree, the government of Malaysia.

With Indonesia's national oil company Pertamina in a \$10 billion jam from "uncontrolled" management and overspending in

1975, Suharto needed money badly.

He unilaterally broke his contracts with all major oil companies — some negotiated only the previous year — and imposed a new 85 percent to 15 percent production split. Previously the Indonesian government took only 65 percent of the profits, after deductions for recovery costs, with 35 percent going to the oil companies. The arbitrarily revised contracts also imposed stiffer cost recovery terms on the foreigners. Within the complex pricing picture of the oil industry, most companies found this bearable. However, they complained vigorously but unsuccessfully that the new split did not provide incentives for exploration. And in Indonesia, most discoveries are relatively small, have a production life of about 5 to 10 years and continuing exploration is an economic necessity.

As a result, exploration fell to almost nothing. At one point, only four new wells were being drilled — all in proven areas.

In Malaysia — which could also become an oil importer within a decade — a similar situation developed. The new government oil company, Petronas, openly fashioned on the Indonesian model and with far less expertise, imposed the same production sharing percentage and tried further to get greater management control through some questionable share-juggling proposals. Exploration came to a virtual standstill there, too.

Exploration rigs began to stack up in Singapore and then frequently were moved to the North Sea, the Middle East and elsewhere. Work forces were cut in Malaysia and Indonesia and several hundred executives, seismic crews and other experts left the regional hub of Singapore.

Meanwhile, however, the immediate picture appeared bright enough in Indonesia. Production peaked at 1.7 million barrels a day late in 1977, and it was estimated the government's oil export earnings for the year would reach \$4.2 billion



Ron Whatley

New office organized

Teffeller, Inc., a Midland-based firm, has announced the opening of an office in Breckenridge.

Ron Whatley has moved from Midland to be manager-operator of the new office. He has more than 10 years experience in the service industry.

Teffeller has been serving the oil industry since 1963, operating from Midland and Farmington, N.M.

The firm specializes in gathering reservoir engineering data.



MORE THAN \$1,600 in donations to Texas charities is presented by Mickey Pepper, worthy president of the Midland Fraternal Order of Eagles Aerie No. 2982, to Grand Worthy President Tony Angelo. Angelo visited Midland and Odessa lodges Friday. (Staff Photo)

Crewman believes he could have saved sub

KITTERY, Maine (AP) — Fifteen years after the nuclear submarine USS Thresher took 129 men to their deaths, the 130th crewman — who missed the voyage — says he believes he could have saved the ship.

"I'm not a hero and I'm in no rush to die, but I often wish I was aboard on that test," said Cmdr. Raymond McCoolle in a voice almost too soft to hear. "I admit I've had years to think about it, but I'm sure there were things I could have done."

The Thresher "could dive deeper, move faster and carry more weapons than any other submarine in the fleet," the Navy said, and there was little concern when the sub left Portsmouth Naval Shipyard for deep water testing the morning of April 10, 1963.

"It was a routine test," said McCoolle, the boat's reactor officer. "We expected to find problems. That's the purpose of a shakedown cruise."

But the problems were more severe, more deadly, than anyone expected.

The sub was crowded

with 129 men that morning, its crew expanded by 41 extra military and civilian technicians — each one specially assigned for the complex tests that lay ahead.

McCoolle would have been the 130th man. But just 30 minutes before the Thresher sailed, Capt. John Harvey persuaded him to stay behind. McCoolle's wife, Barbara, had been blinded temporarily by an exploding bottle of liniment, and Harvey thought McCoolle should be with her.

At 4 a.m., cutting through the water with the grace of the shark for which it was named, the sleek 287-foot Thresher left the Portsmouth yard where it was designed and built.

For five hours, the tedium of the exhaustive testing was echoed in the colorless radio chatter between the Thresher and the submarine tender Skylark, monitoring the tests on the surface.

At 9:02, stark terror replaced the tedium. A Navy board of inquiry tried to reconstruct the final 15 minutes of the Thresher by quizzing 120 witnesses, studying 225 exhibits and

amassing 1,700 pages of testimony.

McCoolle was a member of that board. "Greatly simplified, we believe a small leak developed in the salt water piping system," he said. "That leak shorted out the electrical circuitry and shut down the reactor safety system."

With its reactor dead, the Thresher could neither rise nor maintain its position — 1,000 feet below the surface, 220 miles off Boston.

Slowly at first, then at a rapidly increasing pace, the Thresher plunged to the bottom, and to the deadly pressure a mile and a half below the surface.

At 9:17 a.m., Lt. Jim Watson, Skylark's radio operator, "heard the sounds of a ship breaking up — a dull muffled roar."

Then silence.

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