

New equipment makes northern construction easy

United Press International
NEW YORK — Construction work in Alaska is a race against time and the rigors of the Arctic winter but ultra-modern computer peripheral equipment is making it easier.
Take the case of Litwin Corp., a Houston petrochemical construction subsidiary of Royal Little's Amtel Corp. of Providence, R.I. Litwin has a big job underway at the appropriately named hamlet of North Pole, Alaska.
"In that climate, if you miss a deadline or two between March and September, you'll have to wait until the next spring thaw to make up the lost time — if you have good luck," says LeRoy Fronk, director of data processing for Litwin.
And, he explained, today's building methods, particularly those that must be

employed in sophisticated petroleum and petrochemical projects, require the rapid transmission and digesting of vast amounts of data.
"The problem until recently," he said, "was that by the time the data was gathered and processed, it frequently was outdated before management and the top engineers had time to react to it. This forced a contractor to resort to educated guesswork and often the guesses missed."
One thing that had to be calculated was "local productivity."
Litwin has engaged in sophisticated construction much around the world and it has discovered that the productivity of labor fluctuates greatly by area and so does machine productivity because of different conditions.
Management back in Houston needs up

to date information about productivity on the job in order to make decisions and transmit them to the men on the spot.
For example, it is vitally important to keep abreast of all piping activity. "Piping is half the cost of any petroleum or petrochemical building project," Fronk said, "If you keep on top of the piping, you're on top of the job."
Litwin has managed to do that on the job for Energy Co. of Alaska at North Pole by installing a key-diskette communications system made by Data 100 Corp. of Minneapolis.
Fronk said the system has enabled it to process four times as much data on the job and do it in 48 hours, compared with up to three weeks for older computer systems.
Litwin used to have the coded data from remote construction sites as far away as St.

Croix in the Virgin Islands or Russia sent to its Houston office, then key-punched and transmitted to United Computing System at Kansas City for processing.
The new Data 100 Model 77 system allows a lot of the essential work to be done right on the job in North Pole with the aid of a 256-character cathode ray tube before the data goes to Houston.
Then it gets to Kansas City within three or four hours and is processed and the results are sent to North Pole and back to Houston the next day.
"We know the data is virtually error-free when we first get it under the new system," Fronk said — "There aren't any unpleasant surprises three weeks later as there used to be."
And that, he said, means "neither Litwin nor the client is left out in the cold."

BY PLAYING GAMERAMA

THESE PRICES GOOD THURSDAY, FRIDAY, & SATURDAY, AUGUST 11, 12, & 13, 1977

PRIZE VALUE	NO. OF PRIZES	ODDS FOR ONE STORE VISIT	ODDS FOR 13 STORE VISITS	ODDS FOR 26 STORE VISITS
\$1,000.00	20	210,000 to 1	16,164 to 1	8,077 to 1
100.00	215	19,536 to 1	1,503 to 1	751 to 1
20.00	490	9,333 to 1	718 to 1	359 to 1
5.00	1,430	2,937 to 1	226 to 1	113 to 1
2.00	4,375	980 to 1	74 to 1	37 to 1
1.00	28,800	147 to 1	11 to 1	5 1/2 to 1
TOTALS	36,185	119 to 1	9 to 1	4 1/2 to 1

This game being played in the fifty-two (52) participating Piggly Wiggly stores located in Northeast Texas, Southern Arkansas, Western Mississippi and Louisiana.

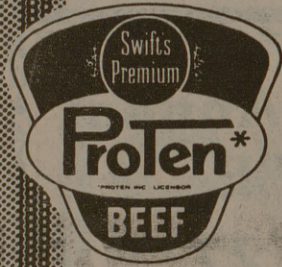
SIRLOIN STEAK

Swift Proten Heavy Beef

\$1.28 lb.



CHUCK STEAK



79¢ lb.

- FRESH STEAKS Fresh lb. 99¢
- SMOKED SAUSAGE Neuhoff Preferred lb. 99¢
- SAUSAGE Brown 'N Serve 8 oz. pkg. 89¢
- MEATS Neuhoff Preferred 1 lb. pkg. 99¢
- PIES Banquet 4 8 oz. ctns. \$1

SWISS STEAK
Swift Proten Heavy Beef Shoulder cut
99¢ lb.

EVAPORATED MILK Pet 3 13 oz. cans \$1
BEST FLOUR Pillsbury 5 lb. bag 69¢

Maryland Club
GROUND COFFEE
LIMIT 1 with \$7.50 or more purchase
\$2.69
1 lb. can

Banquet
FROZEN DINNERS
11 oz. ctn. 49¢

Piggly Wiggly
HOMO MILK
\$1.49
Gal. ctn.

- FARM FRESH PRODUCE
- Tomato Long White 10 lb. bag 99¢
 - POTATOES lb. 29¢
 - CANTALOUPE lb. 19¢
 - YELLOW ONIONS lb. 33¢
 - CRISP CELERY stalk 69¢
 - CARDINAL GRAPES lb. 69¢

- PAPER TOWELS Hi-Dri 103 ct. roll 39¢
- TOMATO CATSUP Del Monte 3 14 oz. btls. \$1
 - VANILLA WAFERS Sunshine 11 oz. box 49¢
 - BBQ SAUCE Kraft 18 oz. btl. 48¢
 - ICE CREAM Piggly Wiggly 1/2 gal. ctn. 79¢

FROZEN FOOD SPECIALS

- Minute Maid ORANGE JUICE 3 6 oz. cans \$1
- Green Giant Whole kernel NIBLET CORN .10 oz. pkg. 49¢



- THE FRIENDLIEST STORES IN TOWN
- ★ 2700 Texas Ave. South
 - ★ 4300 Texas Ave.
 - ★ 3516 Texas Ave.
 - ★ 200 East 24th St.
 - ★ 9 Redmond Terrace
- COLLEGE STATION and BRYAN, TEXAS



Double S&H Green Stamps every Tuesday with \$2.50 or more purchase.

Young engineers receive awards

Twenty-seven recent high school graduates were singled out for awards in August at the close of the 6th Engineering Concepts Institute (ECI) of Prairie View A&M University.
Those honored were among about 160 enrolled in the program designed to give early exposure to engineering as a career and the course work required. Funding this year's ECI were Aluminum Co. of America, Bechtel Corp., Bell Laboratories, Dow Chemical, Exxon, General Electric Foundation, Mobil Oil and Xerox Corp.

Selected as outstanding students in engineering communications were Harry Duffy of Crosby High School, Shirley Holland of Hempstead High, Samuel Kempt of Houston Kashmere, Annette Moore and Debbie Cosby of Houston Yates, and Melanie Ridley of Dennsbury High in Fairless Hills, Pa.

Honored in engineering graphics were Keith Mouton of Beaumont Hempstead High, James Williams and Michael Mosley of Hempstead, LaShon Mitchell and Oliver Woodridge of Houston Worthing, and John R. Williams of Leto High in Tampa, Fla.

Awards in engineering concepts went to Robert Montgomery of Houston Kashmere, Keith Smith of Baytown Sterling, Alane Mavis of Houston Smiley, Michael Collins of Crosby, Walter Swindell of Dallas Carter and Ronald Robinson of McCall High in Tallulah, La.

Engineering mathematics laurels were received by Smith, Cosby and Swindell, plus Michael Lightfoot of Fort Worth Dunbar, Earnetta Moore of San Antonio Houston, Byron Lewis of Houston Kashmere, Rosalind Blacknell and Chiquita Davis of Houston Jones, and Brenda Sherrod of Cleveland High in Buffalo, N.Y.

Funds supplied for community agency training

Nationwide training of state education agency personnel in community education has again been funded by Texas A&M University.
Dr. Robert I. Berridge said seminars are planned in Washington, McAllen, Indianapolis and Salt Lake City. They will be conducted by Texas A&M's Center for Community Education in October and January, April and June, 1978.

Federal funding of \$77,884 from the U.S. Office of Education (USOE) supports the program. It will involve state community education directors from all 50 states. State grants will fund some directors' participation. Directors from non-funded states will be supported through the Texas A&M Center budget.

Berridge directs the Texas A&M center and heads the USOE grant program assisted by Mike Killian.
The 1976 series of seminars in Kansas City, Denver, Atlanta and Seattle was conducted under a \$70,080 USOE grant.

Many veterans at A&M despite drop nationwide

The number of veterans attending Texas A&M University on the GI Bill continues to run about 1,200 annually, a sharp contrast to large drops reported nationwide, said campus VA officials.

The Veterans Administration stated last week that the November, 1976 enrollment figure was considerably lower than the figures for November, 1975 because the 10-year eligibility period had just run out for 3.6 million veterans in the post-Korean and early Vietnam period.

Texas A&M liaison spokesmen, however, noted that the number of veterans attending on GI Bill benefits remains about the same as in the past — 1,200 in the long terms and 650-700 for the summer sessions. It remains to be seen if the number will significantly change this fall, they added.

In the 33-year life span of the GI Bill school plan, nearly 17 million veterans have been educated since World War II. Even with the smaller enrollment figures for last fall, said the VA, about 1.2 million persons were using GI Bill benefits at that time.