

# STATE NEWS

Volume 66 Number 80

Tuesday, January 8, 1974

Michigan State University

East Lansing, Michigan 48824

## Nuclear power plants

A full page of pro and con opinion plus explanation on nuclear power plants is presented on page 8 today.

## Lansing site chosen for railroad station

By LINDA SANDEL  
State News Staff Writer

When the new Amtrak passenger trains begin chugging through the Lansing area in March, passengers will probably load and unload at the Depot Restaurant at 1203 S. Washington Ave. in Lansing.

After weeks of discussion clouded with some confusing disagreements, local officials from Lansing, East Lansing and Ingham County opted, grudgingly and tentatively, to use the restaurant as an Amtrak depot for a new passenger train running from Port Huron through Lansing to Chicago.

Originally, officials had hoped to construct a new train station for the 18 month demonstration passenger service along the railroad tracks on a 4,000 - square - foot lot by Trowbridge Road, just west of Harrison Road and east of I-496. They had supported the site because of its central location and because both the Grand Trunk and Chesapeake and Ohio rail lines intersect in that area.

Pressure to use the Depot Restaurant instead of a Trowbridge site because of cost considerations eventually led the Capitol Area Council of Governments Amtrak committee to tentatively recommend that local municipalities should make arrangements for the train to disembark at the restaurant.

The committee, however, did not make a firm commitment to the Lansing site. Instead, it decided last week to recommend that the restaurant which would be open seven days per week to serve passengers be used experimentally, all the while believing that it will probably prove inadequate.

East Lansing City Councilman George Griffiths, who has been serving as chairman of the Amtrak committee, said that if the restaurant site should prove unworkable, officials would then reconsider the Trowbridge area.

To safeguard the availability of the Trowbridge property, the committee decided to seek a four month leasing

option for George and Clarence Prince, who own the property.

Lansing Councilman Terry McKane said that he switched his sentiments from the Trowbridge to the South Washington site after differences in cost became apparent.

"Originally, I was leaning toward the Trowbridge site until the owner of the Depot restaurant told us we could use his place on a cost - free basis," McKane said. "Now we have to try and get the owner's vocal statements on paper."

Vincent Malcangi, owner of the restaurant, has stated that he would like to have his restaurant used as a depot station and would be willing to provide personnel and security arrangements to make it feasible.

The three members of the Amtrak committee, McKane, Griffiths and Ingham County Commissioner Dave Hollister all seem to doubt that parking at the restaurant will be sufficient to support the train traffic.

The committee hopes to arrange the lease of an 85 - space parking lot from Grand Trunk, which is now leased to

Diamond Reo, for a minimal cost of \$195, but is not certain that the deal can be completed.

"We have no idea what we will face as far as ridership," McKane said. "We will start temporarily with the Depot Restaurant, and if the ridership response is large, we'll be ready at any time to start negotiations for a Trowbridge depot site."

Hollister agreed that the committee would be ready to move ahead with the Trowbridge site should the ridership response be large.

Should the Trowbridge property eventually become necessary, the local governments involved would face a steep starting cost ranging upward from \$50,000, McKane said.

East Lansing senior City Planner Ralph Stonebraker said that the purchase of a mobile, modular type depot station for the Trowbridge site would cost just under \$15,000.

Alternatively, Stonebraker said that the station could be leased for three years at \$9,776 or for six years, with eventual ownership for \$16,955.

## Proposed depot site

This proposed site for an Amtrak depot off Trowbridge Road will probably be leased for four months while railroad officials test the Depot Restaurant in Lansing as their first choice for the

depot. The Amtrak service is scheduled to begin in March with a run from Port Huron, through Lansing, to Chicago.

State News photo by Dale Atkins

## UNDER TAX RELIEF PLAN

## Renters may get rebate

By MELISSA PAYTON  
State News Staff Writer

Want an extra couple dollars for an evening's entertainment or a meal? Or would you simply like to make sure that the state is giving you back the money you are entitled to under the new tax relief program?

If you qualify, all you have to do is spend a few hours grappling with the Michigan Homestead Property Tax Credit claim, also known as MI - 1040CR.

The tax claim is part of Gov. Milliken's property tax relief program, passed in May by the legislature and in effect since last Tuesday. It will give property owners and renters a tax rebate depending on the relationship between the property tax or rent paid and the amount of income received in 1973.

For most students who are renters, the rebate they are entitled to will be somewhere between 50 cents and \$15; the greater the amount of rent paid compared to income received, the greater the rebate. To qualify, one must be a Michigan resident, but not necessarily a state taxpayer. Taxpayers will have their rebate deducted from the amount of state tax they owe this year while nontaxpayers will receive their rebate in the form of a mailed check.

Only off - campus renters or property owners qualify; students who live in residence halls do not get a rebate because residence halls are not subject to local property taxes.

It is necessary to apply for the rebate —

the state will not automatically give it to you. Applications are being accepted now through the end of June, with rebate checks following about six to eight weeks after the time of application.

The necessary MI - 1040CR forms are available at post offices and banks. Students who are state taxpayers will get the forms with their regular MI - 1040 form, mailing the forms together when they are completed.

A large number of students will probably qualify for the rebate, but many may balk at the mathematical gymnastics required to figure a rebate, which will often amount to only a few dollars.

First, it is necessary to compute all income for 1973. For this purpose income includes taxable income as well as social security benefits, scholarships, child support payments and other benefits.

For students whose parents are at least partially putting them through school, the amount they receive from their parents is considered if it is over \$300 and only the portion over \$300 is figured as income.

Then figure 1973 property taxes — renters, who do not pay property taxes directly figure 17 per cent of their annual rent as property tax.

Multiply the total income figured earlier by 3.5 per cent (.035). Subtract that amount from your property tax (or 17 per cent of your annual rent).

If your 1973 property tax or equivalent is greater than 3.5 per cent of your total income you are entitled to 60 per cent (.60) of the difference.

For example, a student whose income

last year was \$2,500 and paid rent of \$75 a month for nine months or \$675 for the year would get a rebate of \$16.35, which is 60 per cent of the difference between \$2,500 times .035 and \$675 times .17.

The tax relief measure will not benefit students who pay average rents and have a high income. A student with a high standard of living who paid \$900 a year for rent and yet went through \$5,000 in 1973 will not get a rebate.



## Early darkness

MSU students attended night classes Monday morning. This picture was taken at the west entrance of the Union at 9:01 a.m. Eastern Daylight Time. Cloudy skies and a light snowstorm left the campus in darkness until minutes before the sun rose officially at 9:08 a.m. on this first work day under the new time schedule imposed to meet the nationwide energy crisis. See story, page 11.

State News photo by David Schmier

## Yen devaluation adds to Japan's problems

FROM WIRE SERVICES

TOKYO (AP) — The Japanese economy, already buffeted by the Arab oil squeeze, got another shock Monday: a devaluation of the yen by 6.7 per cent against the dollar.

Though the development means lower prices and better sales prospects for Japanese goods overseas at a time of economic worry, businessmen were unenthusiastic. They were more concerned about the other effect of the devaluation — higher prices for foreign raw materials.

The devaluation also means higher prices for imported manufactured goods, unwelcome news in a nation where the cost of living climbed by 17 per cent in 1973.

The drop in value of the yen sent the value of the dollar up in Europe, dealers in European financial centers reported. They added that a weakening of the yen also might mean a weakening of major European currencies.

The yen devaluation had been considered almost inevitable by many Japanese businessmen over the past few weeks as Japan began to feel the impact of the oil shortage and the oil price hikes.

Only costly intervention by the Bank of

Japan had kept the yen from sinking sooner.

In the seven business days here since the Persian Gulf states announced Dec. 23 that they were doubling the price of crude oil, the Bank of Japan had been forced to sell more than \$1.1 billion from Japan's official foreign reserves to hold the yen at 280 to the dollar.

On Friday, in the heaviest day's trading since the eve of the yen's first upward revaluation in August 1971, the bank had to sell over \$460 million to meet the huge wave of buying.

The bank stopped intervening Monday, and supply and demand forces quickly dropped the yen — floating since February — to 299.50 to the dollar. Officials hope to hold the rate at 300 to the dollar.

"We thought we could no longer maintain the rate of 280 in these new circumstances," Bank of Japan spokesman Shiro Yokota said of Japan's sharply higher oil bill. Japan depends on overseas sources for 99 per cent of its oil.

Japan's balance of payments had been running substantial deficits since March, long before the energy crisis. After a long period of surpluses which irritated trading partners, Japan sought balance by encouraging imports.

## City commission to study modified plan for bridge

By CHRIS DANIELSON  
State News Staff Writer

Though it would be hard to turn a shovel now in the frozen ground as road crews concentrate on snow removal, the fate of the controversial \$700,000 Kalamazoo Street road construction project could be decided in the next few weeks.

Heavily criticized plans for rechanneling a segment of the Red Cedar River have been deleted from a modified preliminary proposal — completed by the Ingham County Road Commission in late December. A new bridge to be constructed over the existing waterway would be half as high as originally proposed.

The new proposal will be considered by the East Lansing Planning Commission at its meeting at 8 p.m. Wednesday in the city council chambers.

The city's Environmental Quality and Aesthetics Task Force and the traffic commission both rejected the initial county proposal in November.

The modified plans also will be presented to the University Building, Lands and Planning Committee at 10:15 a.m. Wednesday in the fourth floor board room of the Administration Building.

Committee chairwoman Anne Garrison said Monday the proposal will be discussed before a decision is made on what action to take on it Wednesday — if any.

Under the current preliminary plans, a 2,000 - foot segment of Kalamazoo Street between the entrance to University Village and Clippert Street still would be widened from two to four lanes, and the existing bridge would be replaced with one more than twice as long and about five feet higher.

A study done by the city planning department states that the new proposal would save 50 roadside trees of more than four inches in diameter which would have

been removed under the original proposal.

The study notes that 63 trees — including 17 which are dead or substantially diseased — still would be lost between the bridge and University Village, most of which are on the south side of the road.

Twenty-four of the healthy trees are more than 10 inches in diameter.

The study did not determine how many trees west of the river and on the banks of the river would be lost, Robert Owen, associate city planner, said Monday.

Owen said a 450 - foot section of the east river bank averaging 35 to 40 feet in width would be "stepped" (graded lower and squared off to allow greater water passage when the river is high) under the new proposal.

Part of the west bank also would be stepped, he noted. This operation would prevent the river from backing up as far as it currently does, occasionally inundating the Red Cedar Golf Course.

The existing flood plain would not be eliminated, he added.

The river flows through the Red Cedar Natural Area, which is used extensively by natural science students and faculty.

Though the proposed roadgrade would be lower than that originally planned, it would still fill a dip in the road just east of the river which accounts for annual flood closings of Kalamazoo Street, Owen said.

However, the new bridge is designed to handle a 10 - year flood stage, instead of the 100 - year flood capacity intended to begin with.

Robert Schaeffer, chief engineer of the county road commission, said the preliminary plans must be approved by the city and University before final plans can be made.

These in turn must be approved by the local units, the Dept. of State Highways and the federal highway bureau before contracts can be let on the project.

## Airline flights drop; oil stockpiles checked

ASSOCIATED PRESS

There were fewer commercial planes in the skies Monday as flight cutbacks due to the energy crisis went into effect. Meanwhile, the Pentagon announced that military fuel allocations had been increased and said Air National Guard and Air Reserve training flights halted Dec. 22 would be resumed.

In another major development, the Federal Energy Office said it was checking rumors of petroleum stockpiling by the oil industry and of fuel hoarding by the nation's railroads and trucking firms. Agency officials said there was no evidence so far to substantiate the rumors.

"We have not seen any evidence to indicate more than normal stockpiling," said Gerald Parsky, an aide to FEO Director William E. Simon, the nation's chief energy adviser. Parsky said stocks of heating oil may appear larger than normal because unusually warm weather has slowed their use.

Another agency official said telegrams had been sent to railroads and major trucking firms requesting them to report their inventories by the close of business Monday. A spokesman said the purpose was "to see if there is any hoarding going on."

Parsky said the energy office, relying so largely on data collected by the

American Petroleum Institute, was asking oil companies to submit production and stockpile information directly to the federal agency. He said the data should begin arriving in about one week.

Defense Dept. spokesman Jerry W. Friedheim said the Pentagon had asked for and received from the Federal Energy Office a daily allocation of 637,000 barrels of oil, an increase of about 2 per cent over the last three months of 1973. The new allocation will last through the first quarter of 1974, Friedheim said.

The commercial airline cutbacks were the result of reductions in fuel allocations. Originally, the government announced that scheduled airliners would be reduced to 85 per cent of their 1972 fuel allocation and had to cut back by Jan. 7. Recently, however, the Federal Energy Office upped that figure to 95 per cent.

The Air Transport Assn. said that about 1,500 daily departures — slightly more than 10 per cent of the total — have been canceled since the energy crisis began. An Associated Press spot check showed about 700 departures were eliminated on Monday.

In other developments:

•The Supreme Court rejected an appeal by two gasoline station operators who

(Continued on page 11)



## NEWS roundup

compiled by our national desk

### British airport security tightens

Security tightened at British provincial airports, Canadian airports went on special alert and London's Heathrow Airport went into its third day of stepped-up security Monday as Irish guerrillas threatened to fly planes into Britain for "much more spectacular" commando strikes.

While British authorities were saying their show of force in London has cut down on guerrilla explosives smuggling, the hard-line provisional wing of the Irish Republican Army was claiming in Dublin that 18 pilots were being trained in Ireland and Libya, apparently to fly two small planes, smuggled into Ireland in parts, that will deliver explosives to guerrillas operating in Britain.

Fifteen tanks were withdrawn from Heathrow's approach roads late Monday but armed troops and armored cars continued the watch against possible attacks by Arab guerrillas who might use Soviet-made guided missiles against Israeli or American planes in London. The alert in Canada also came on reports of possible Arab terrorism. Most of continental Europe's big airports are already strengthened against terrorist attacks.

In an unrelated Belfast development with strong consequences for Britain's peace plan between warring Protestant and Roman Catholic Irish sects, Brian Faulkner quit as leader of Northern Ireland's once-dominant Unionist party. The Unionists, who ran the province almost alone for 50 years, excluding Catholic participation, forced Faulkner's resignation by a decisive vote against him last week in the party's governing council. The loss undermines the efforts of the chief executive of the province's week-old administration from carrying out the British plan to have Catholics and Protestants run the administration together.

### Cambodian troops fight assault

Over 3,000 government troops, backed by 75 armored vehicles, sped to Phnom Penh's northwest defense line Monday to counter a huge Cambodian rebel force moving toward the capital.

Field reports and police sources said the Communist-led Khmer Rouge thrust took place north of Pochentong Airport, five to seven miles northwest of the Cambodian capital. While not an overall assault on the city, it was clearly an attempt to pierce the city's defense lines. Four thousand villagers reportedly were abducted by the insurgents, and 50 killed. At least 200 of 2,000 other civilians trapped by the fighting were killed in crossfires. Sources claimed over 100 rebels were killed in four counterthrusts.

American sources said 3,000 rebels in quick maneuvers over the last two days pushed into the defense perimeter, first attacking 63 villages in a bulge near the perimeter, but the rapid government counterthrust may have caught the insurgents off balance.

Meanwhile, official North Vietnamese radio assailed a declaration by Defense Secretary James R. Schlesinger that U.S. air power might be used in South Vietnam if North Vietnam stages an all-out offensive.

### 3 Watergate burglars paroled

The last of the five burglars arrested at Democratic National Committee headquarters in the Watergate complex will go on parole March 7.

The federal Parole Board Monday freed Eugenio R. Martinez, Frank A. Sturgis and Virgilio R. Gonzalez, who have served more than a year in prison and are now confined at a federal prison camp in Florida. They will remain on parole until the end of their sentences in 1976. Two other burglars freed on bond last week pending appeal are James W. McCord Jr. and Bernard L. Barker.

Meanwhile, Sen. Sam J. Ervin Jr. said in Morganton, N.C., that his Senate Watergate committee would welcome a compromise on subpoenaed White House material, but would want any agreement in writing "so there could be no misunderstanding."

In San Clemente, the Western White House refused to endorse Vice President Gerald R. Ford's suggestion of possible compromise on the Ervin committee's rejected subpoenas for tapes of nearly 500 presidential conversations and hundreds of other documents.

### Probe of Nixon turns bipartisan

The investigation of grounds for possible impeachment of President Nixon took a bipartisan aspect Monday, with top Republicans and Democrats on the House Judiciary Committee pledging a united effort following the hiring of a chief minority counsel for the investigation.

Ten committee members interrupted their holiday recess, which does not end for the House until Jan. 21, to attend a closed-door meeting where the hiring of Albert E. Jenner, 66, a prominent Chicago trial lawyer, was approved. He joins John Doar, a former assistant attorney general selected Dec. 20 as chief counsel by committee chairman Peter W. Rodino, D-N.J. Jenner and Doar will head a growing staff conducting the first presidential impeachment inquiry in more than a century.

### Bobby Baker proposal weighed

Bobby Baker's trial resumes today as government prosecutors consider an undisclosed settlement proposed by Baker's lawyers Monday in return for dropping federal action against the former Senate aide of Lyndon B. Johnson. The government is attempting to recover \$100,000 it claims Baker took for influence-peddling while secretary to the Senate's Democratic majority.

## Plan trains women for top posts at 'U'

By DIANE SILVER  
State News Staff Writer

Ending the scarcity of women in a university's high-level administrative posts cannot be accomplished solely by ending discriminatory hiring practices, Dorothy Arata, asst. provost for undergraduate education, said in a recent interview.

The social conditioning that discourages women from aspiring to leadership roles must also be counteracted, Arata said.

The Academic Administrative Internship Program for Women, which began Sept. 1, 1973, is one of the first programs in the nation to attack this problem.

Any woman who is an associate professor, professor or holds an equivalent rank at MSU is eligible. An intern is appointed by the provost's office for one academic year. Her salary continues at the same rate as before but she is relieved of all teaching and other duties as a faculty member. Once her year is completed the intern can return to her faculty post without being committed to any administrative job.

By involving women in the administrative process the program attempts to

counteract the image most women have of themselves as supporters rather than leaders, Arata said.

"One reason the goals of the Affirmative Action Program were not met this year at MSU is because they did not take this into account," Arata said.

Affirmative action has sought to combat the problem the same way it does the lack of minorities in high-level administrative positions, by attacking discriminatory hiring practices.

However, the problems of minorities and women are different, Arata said. Discriminatory practices must be ended but women, though a small percentage of the faculty, represent an untapped pool of over 100 potential administrators. Women must be convinced to consider themselves as candidates for these jobs, she said.

"The program is a success if women honestly and deeply consider administrative posts even if they decide negatively," Arata said.

Holly Schrank, asst. professor of human environment and design, became the first intern this fall. She is currently working with the dean's office of the College of Human Ecology. As an intern, Schrank has observed the workings of the University at various levels, attending

meetings of the board of trustees, Academic Council and standing University committees.

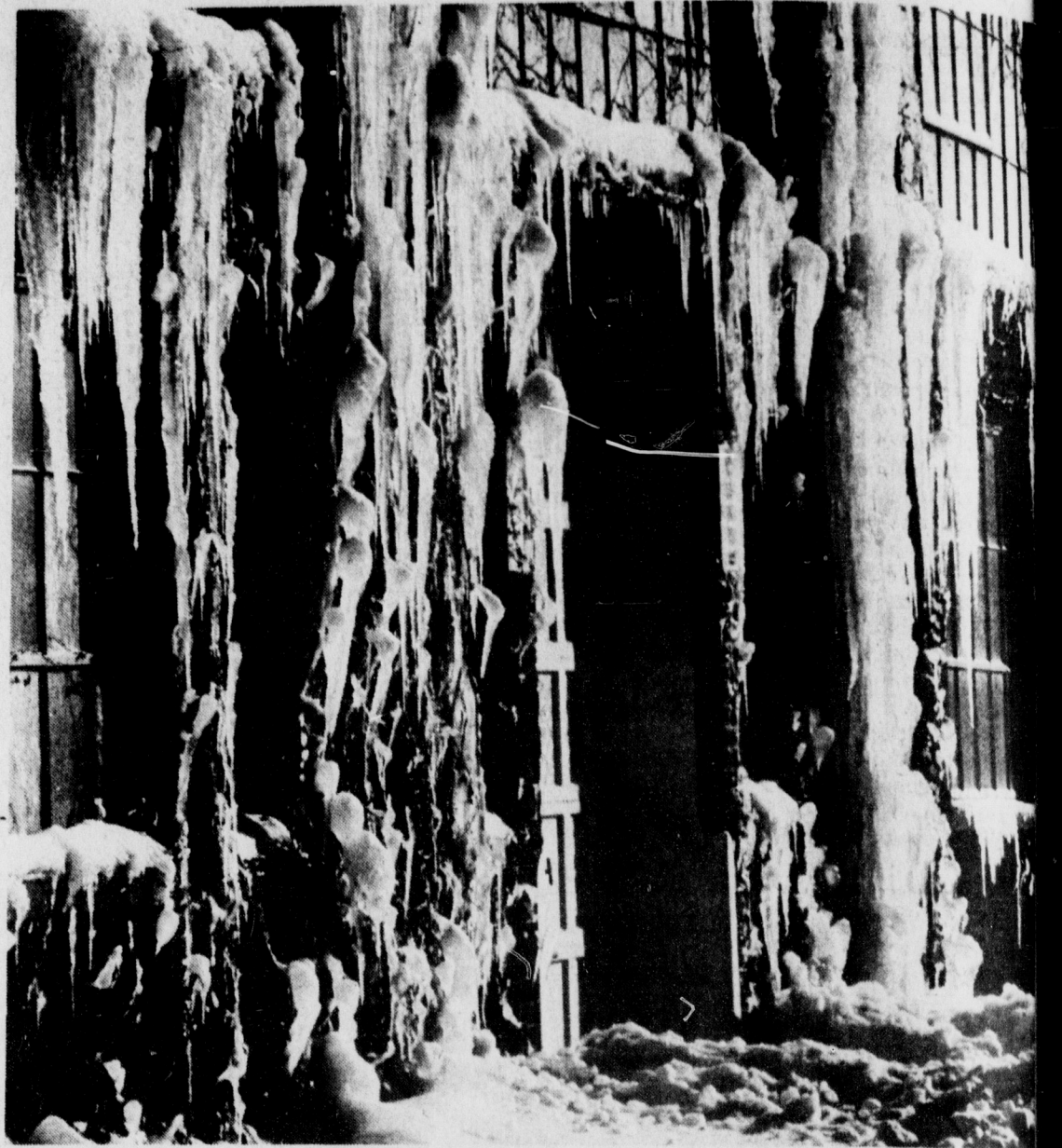
The intern also observes administrators dealing with issues such as budgetary matters, student-faculty interactions, curriculum changes and innovations, research development and evaluation.

A project studying a significant area of higher education must also be completed by the intern.

"The University is wide open to the intern, so wide open that it is a problem to find the time for everything," Schrank said.

The program has recently been revised and will probably include an exchange between MSU's intern and one from the University of Michigan. Future interns will also probably spend time in several different academic units instead of concentrating in one.

Funding for next year's program is still being sought. However, Arata is confident that funds to sponsor one intern can be found.



### Hanging around

These icicles formed on Demonstration Hall after more than a foot of snow hit

MSU during the term break.  
State News photo by Dave Mendrea

## Court to review legal aid decision

WASHINGTON STAR-NEWS

WASHINGTON — The Supreme Court agreed Monday to decide whether poor defendants are entitled to free legal counsel when they appeal their convictions to the Supreme Court or to a state's highest court.

The justices, in a brief order without comment, said they would review an August ruling by the 4th U.S. Court of Appeals that such free legal aid must be provided.

A final decision is expected in early summer. In another case, the justices refused to interfere with the dismissal or suspension of a group of Ohio college students who were arrested during campus protests in 1972.

Without pausing for a hearing, the court unanimously upheld the ruling of a special three-judge federal court in Ohio, which rejected the students' attempt to block their ouster.

The students were arrested in demonstrations in May 1972, at Ohio University and

Ohio State University, protesting the mining of Haiphong Harbor.

The were dismissed or suspended under the Ohio Campus Disruption Act, enacted by the state after the Kent State University killings in 1970. The lower court held that the students were not entitled to challenge the act, and the justices affirmed that holding.

The court agreed to rule on California's practice of barring journalists from interviewing specific inmates in the state's prisons.

A special three-judge federal court in San Francisco ruled in August that the practice violated prisoners' constitutional rights under the

First Amendment. California officials appealed that decision to the Supreme Court.

At issue is the regulation of the California Dept. of Corrections which allows reporters to interview randomly selected inmates, but prohibits them from seeing

specific inmates and does not allow inmates to solicit interviews.

The case arose when a San Quentin inmate, Booker T. Hillery, filed a complaint saying officials denied him an interview with Earth Magazine in 1971.

The State News is published by the students of Michigan State University every class day during Fall, Winter and Spring school terms, Mondays, Wednesdays, and Fridays during Summer Term, and a special Welcome Week edition is published in September. Subscription rate is \$16 per year.

Second class postage paid at East Lansing, Mich. Editorial and business offices at 345 Student Services Bldg., Michigan State University, East Lansing, Michigan, 48824.

#### PHONES

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## Council to hear advice on M-78

Nearly a year of study by the East Lansing Traffic Commission and several years of residents' complaints about high traffic accident and injury tolls on the 2 1/2 miles of Saginaw Street in northern East Lansing will be presented to city council tonight in a recommendation from the commission.

The six-part proposal for improving the four-lane segment of state trunkline M-78 includes reduced speeds and additional traffic signals at intersections.

Gordon Melvin, city traffic engineer, said that in 1972 18 accidents, four involving personal injury, occurred at the corner of Harrison Road and M-78.

Residents claim part of the problem, young students crossing the highway to get to Glencairn School, was not alleviated by a pedestrian overpass.

The Traffic Commission will also recommend that council reject the Ingham County Road Commission's original Kalamazoo Street bridge relocation proposal and that a walkway over Grand River Avenue at Central School get low priority in council plans.

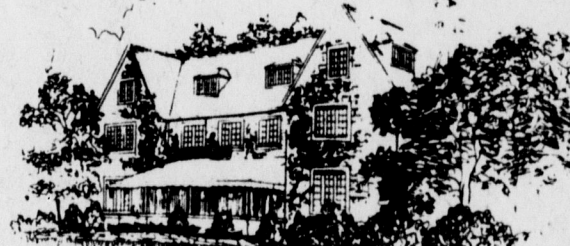
Council will appoint members to various city commissions and committees to fill existing vacancies at tonight's meeting.

Council members meet in public work sessions with the city staff at 4 p.m. the day of council meetings.

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## SUMMER JOBS

with the  
New Freshman and Transfer Student  
Academic Orientation Program  
Summer 1974

## POSITIONS AVAILABLE AND REMUNERATION

### 24 RESIDENT ASSISTANTS (12 women and 12 men)

- Housing ("live in" requirement)
- Meals provided in Wonders Hall during program
- Meals provided in Wilson Hall when program is not in session
- \$600 salary for summer program. Term of employment:

Monday, June 24 through Wednesday, July 31, and includes required attendance at all sessions of the training program to be conducted during Spring Term and from noon, Friday, June 21 through Sunday, June 23.

- \$100 salary for Fall Term program plus housing and meals. Term of employment: noon, Tuesday, September 17 through noon, Saturday, September 21 plus assigned four hour period during Registration on Monday or Tuesday or Wednesday, September 23, 24, 25.

Resident Assistants seeking reappointment in 1974 must submit applications. Reappointed staff members will receive \$700 salary for the summer program and \$125 for the Fall Term program in addition to other terms of remuneration and employment stated above.

FOR FURTHER INFORMATION AND TO OBTAIN APPLICATION: ATTEND MEETING ON MONDAY, JANUARY 14 AT 6:30 P.M. IN CLASSROOM 108 - B WELLS HALL. IF UNABLE TO ATTEND MEETING, APPLICATIONS WILL BE AVAILABLE AT THE OFFICE OF ORIENTATION PROGRAMS BEGINNING 8:00 A.M., TUESDAY, JANUARY 15 IN 250 ADMINISTRATION BUILDING. APPLICATIONS WILL NOT BE ACCEPTED AFTER 5:00 P.M., FRIDAY, JANUARY 18.

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## Rep election bid grows doubtful

There were increasing indications today that dark-horse candidate Bobby Crim will bow out of the Democratic race for Michigan governor before the campaign officially gets under way.

The departure of the influential state representative from Davison would set the stage for a two-man Democratic primary — between 1970 gubernatorial candidate Sander Levin and former Detroit Mayor Jerome S. Cavanagh.

Prime supporters of Crim said they did not know whether he has decided against running, but conceded there were factors that could bring him to this conclusion. Crim, the House majority floor leader, said he would announce his decision in a few weeks.

The Crim backers said the 42-year-old lawmaker was worried about the health of his wife, a lack of financial support thus far and the ultimate result of an expensive, divisive primary — certain victory for Gov. Milliken next November.

Party strategists would like to see a primary with only one candidate so that more campaign money would be available for the general election, but this is highly unlikely. Though neither have officially announced their candidacy, both Levin and Cavanagh are known to want the nomination badly.

## Commissioners plan to re-elect chairman

In a break with tradition, David Hollister, D-Lansing, will be re-elected chairman of the Ingham County Board of Commissioners tonight. In previous years, Republicans, who controlled the board from the mid-1800s until 1972, rotated the chairmanship.

New committee chairmen and members will also be appointed at the first board meeting of 1974.

In other action, the commissioners will be asked to:

- Endorse legislation pending in the Michigan House of Representatives to ban the sale of nonreturnable beverage containers.

- Approve a contract with Charles Casagrande to supervise and maintain the county fairgrounds (Casagrande was criticized for his handling of the fairgrounds, which he had previously leased to a group of subleasees who raised harness horses and were evicted along with Casagrande in October).

- Approve Model Cities health and dental contracts.

- Accept a bid from Sidwell Co. for aerial tax mapping in the county.

Tonight's meeting is scheduled to begin at 7:30 at the Mason courthouse.

## County sheriff to get national VFW award

The Ingham County sheriff and the late FBI director J. Edgar Hoover have something in common, according to the national Veterans of Foreign Wars (VFW).

Kenneth Preadmore will receive the VFW's J. Edgar Hoover Award at tonight's meeting of the Ingham County Board of Commissioners.

The award is presented each year to the man the VFW considers the outstanding law enforcement officer of the year.

Max McCarn, past commander of the Michigan VFW will make the presentation.

Preadmore's name was submitted by VFW Post 7309 in Mason.

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## Middle East talks resume in Geneva

ASSOCIATED PRESS

Egyptian and Israeli officers had a new round of troop withdrawal talks in Geneva Monday, marked by a mid-session break for consultations with home.

Press reports preceding the discussions had said the Israelis were prepared to enter into detailed talks on proposals for a pullback 18 miles from the Suez Canal based on Defense Minister Moshe Dayan's talks in Washington last week.

But Israeli officials in Tel Aviv discounted those reports, saying the Israeli envoys had no new instructions and were still unprepared to go into detail.

Neither delegation in Geneva broke the strict secrecy that has marked the two weeks of off and on negotiations between Maj. Gen. Mordechai Gur and Col. Dov Sion for Israel, and Brig. Gen. Taha el-Magdoud and Col. Ahmed Fouad Howaidi for Egypt.

The United Nations Emergency Force reported in Cairo, meanwhile, it had negotiated an Egyptian withdrawal from a 220-yard advance near Adabiya on the western shore of the Gulf of Suez.

UN spokesman Rudolf Stajduhar said the Egyptians had made the advance Saturday night, and withdrew later in the evening after the local Egyptian commander was contacted by a UN

commander.

In a report to New York, the UN force described the Egyptian and Israeli positions as "unstable."

Similar efforts by the UN force to get Egyptian units on the east bank of the Suez Canal near Qantara to pull back after an advance Jan. 1 were unsuccessful.

Stajduhar said there were 17 violations of the cease-fire on Saturday — eight by Egypt, two by Israel, two unidentified and the rest exchanges of fire.

Israeli Foreign Minister Abba Eban said in an interview with the New York Post that for the first time Golda Meir's government will have to make "concrete, arithmetical decisions about borders" with Egypt, Syria and Jordan.

These basic decisions will have to come as soon as Israel reaches agreement with Egypt on withdrawal along the tense Suez front, he added.

Underlining his urgency on the withdrawal talks was a report from the Israeli military command that two Israeli soldiers were wounded in clashes with Egyptians in the canal's central sector.

Fighting also flared in the Golan Heights when, the Israeli command said, Syrians opened mortar fire on Israeli positions. No injuries were reported in the Golan clash.

## Gas stations drop bonus gifts, stamps

By LYNDA ECKERT

State News Staff Writer

Customers used to build up great collections of glassware, get free toys for the kids, cartons of soda pop and free car washes, all because they frequented a gas station that ran promotions.

The energy crisis has ended those days forever.

Stations have all the customers they can service, and then some, in a seller's market.

"It is understandable that when you have limited amounts of gas to sell, you will not run promotions," said Charles Shipley, executive director of the Service Station Dealers Assn. of Michigan on Monday.

Major oil companies used to encourage bonus gifts and trading stamps, but the practice dwindled during the summer and has almost faded away.

"Shell Oil Co. has not had a promotion in the Grand Rapids district, which includes East Lansing, in the last year," said Don Lawther, manager of Brookfield Shell, 1831 E. Grand River Ave.

Atlantic Richfield Co. has cut back on promotions because of the energy shortage,

said Bill Shelby, manager of the Arco Point Service, 1542 W. Grand River Ave. Shelby said the last promotion was in July and August.

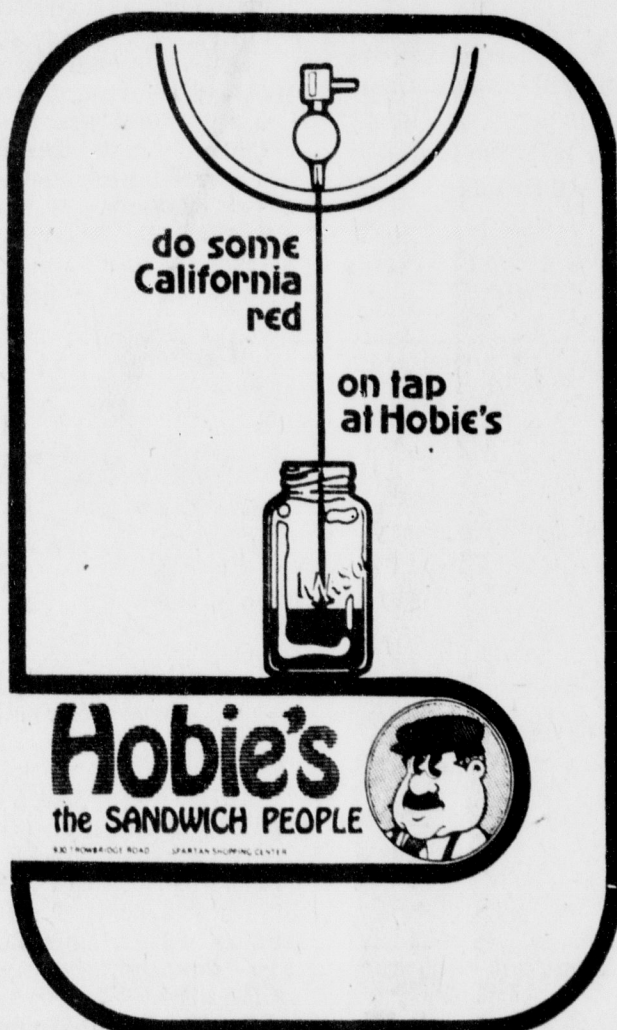
"Dealers just do not have enough gas to service the needs of their customers," Shipley said. "Running promotions would be contrary to the existing situation."

Bill Hill's Standard Service, E. 1226 Michigan Ave., discontinued giving Green Stamps because of Phase IV and the energy crisis, Hill said. Trading stamp companies reported the gasoline shortage was hurting their business.

Shipley said the dropping of promotions is a nationwide

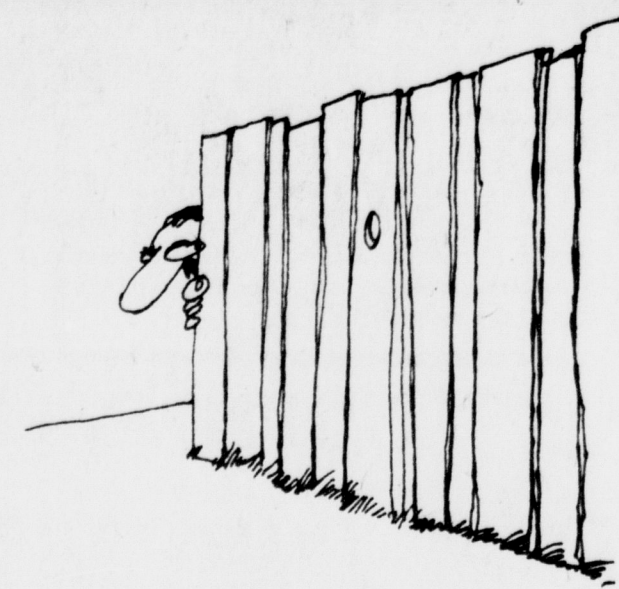
trend.

Nationwide, dealers are saying the giveaways are not profitable anymore. They say they can sell all the gas they can get and cannot afford the free gifts because of rising wholesale costs and limited retail prices.

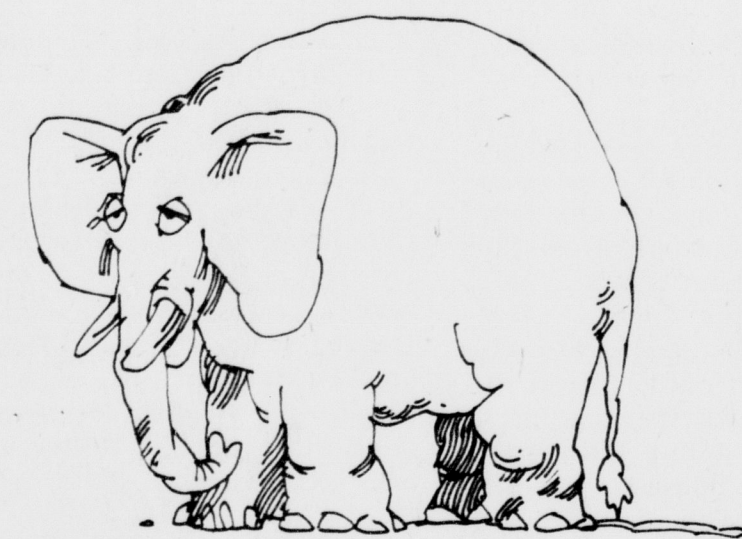


## OPEN HOUSE

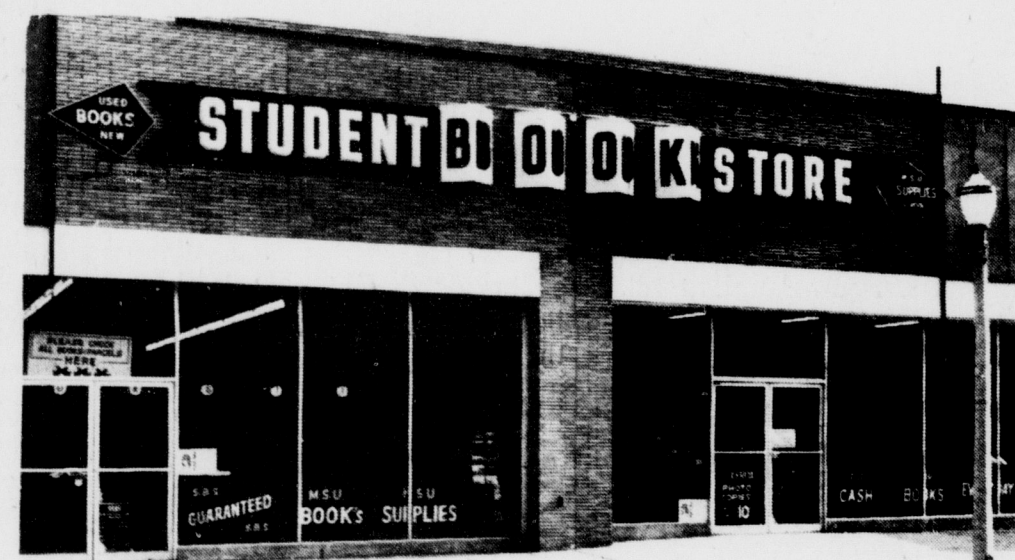
The Advertising Department of the STATE NEWS cordially invites you to our open house Thursday, January 10th 7:00 p.m. in Room 344 Student Services Building. We're accepting applications for account executive positions. C'mon out and see what it's all about. Refreshments will be served!



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# State News Opinion Page

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## EDITORIALS

### Trowbridge passenger rail depot best site in long-range transit plan

The return of rail passenger service to the Lansing - East Lansing area will provide additional badly needed mass transit. Selection of the new depot at Trowbridge Road rather than at the old Grand Trunk depot on South Washington in Lansing would provide areawide service and leave room for expansion.

The Trowbridge location would be centrally located for train riders from Lansing, East Lansing and outlying areas such as Holt and Mason. The South Washington depot would be much more difficult for many people to reach.

And Trowbridge offers room for expansion. Unlike the developed downtown area, the Trowbridge area has space to develop. The site is also located on two railways, the Grand Trunk and the Chesapeake and Ohio, unlike the downtown site which has only a single connection with the Grand Trunk line.

The additional C&O line

connection at Trowbridge could mean further passenger service development — possibly a tourist or ski train to northern Michigan.

The Trowbridge site, close to I-496, is easily accessible to traffic, and the East Lansing bus line runs directly to the area. The site is a convenient location for students, who will likely comprise a large majority of the train customers.

After several months of discussion, the Capitol Area Council of Governments Amtrak Committee, composed of representatives from Lansing, East Lansing and the Michigan Dept. of State Highways, is still undecided as to whether it would be better to build a new depot at a Trowbridge site near Harrison Road in East Lansing, or use the old depot, now a restaurant, in Lansing.

While the restaurant owner has made a laudable promise of "free" use of his eatery as a depot (with no mention of food prices there), a

lack of parking facilities and the location itself make it unsuitable for a passenger depot.

To use the Depot restaurant, it would be necessary to rent a lot from Diamond Reo Corp. to accommodate train customers. The restaurant already has a limited number of parking spaces, and the commuter and restaurant clientele would overcrowd any available space.

Since a new lot would have to be paved if the Trowbridge site is selected, adequate parking space would be readily available.

Selection of the Trowbridge site for the depot offers an areawide service, while the old depot appears only for the good of Lansing.

Last week, Lansing City Council voted in favor of the Depot restaurant site over the Trowbridge site. The reasoning was that since the project is an 18-month pilot program and the Depot was less expensive in the short run than the Trowbridge site, the Depot was preferable.

It appears council's concern was for short-range costs. But the benefits and possible future benefits to be derived from a depot located at Trowbridge far outweigh initial cost of the project.

Using the Depot restaurant site as a trial site for the 18-month pilot program will not be an accurate test of the potential of a Trowbridge site.

The belief that the fastest and cheapest way is the best has defeated mass transit in many forms in the past few years. It is time local governments made firm commitments to mass transit, and not try to "test" it with inadequate and short-sighted solutions.

to hog a car and gas by yourself when it is more economical to drive or ride in a car pool.

Drivers interested in forming or joining a car pool can fill out a coupon appearing in the Monday, Wednesday and Friday editions of the State News.

The car pool coupon should be brought in or mailed to: Car Pool Classifieds, 347 Student Services Building. Sorry, but no phone calls can or will be accepted.

### Car pool to save gas

Reader response to the offer of a free classified car pool ad so far has been encouraging. Commuters from as far as Grand Rapids and Howell have offered their services in attempting to conserve gasoline and fight the energy shortage.

Students, faculty and staff who drive to the University should take advantage of these free classified ads, offered as a public service by the State News. It makes little sense



CHRIS DANIELSON

## Energy shortage double-think

If one can believe hundreds of letters to the editors of the nation's newspapers and several recent public opinion polls, a large section of the American populace doubts the existence of a real energy shortage.

Deep down, they believe the current crisis is artificial, fostered by oil companies for their own private gains and intensified through government bungling. Charges and countercharges abound. Independent oil dealers claim they are being driven out of business, airline flights are cut and pilots laid off despite apparently adequate fuel supplies and the inflation spiral steepens.

At the same time, many government officials and opinion leaders tell us the energy crisis is really a blessing in disguise. President Nixon affirms that "dialing down" — a term that Johnny Cash inserted into the national vocabulary over night — is good for our health: happiness

is a cold puppy, no doubt.

Officials claim a short supply of gasoline helped to keep the Christmas weekend national highway death toll 100 lower than expected.

Columnists, and even advertisers, are beginning to say that more, bigger and faster are not necessarily better, and that it is time to change our life style.

But the great benefits that we will apparently reap from the fuel shortage will not be forthcoming if the energy crisis develops a credibility gap.

President Nixon, for instance, might be left in the lurch if he continues to play both sides against the middle, saying on the one hand that it is good to cutback on all the unnecessary — causing no hardships, of course — while exhorting us to back Project Independence to fully exploit our energy resources.

Perhaps the President would do better

to declare war on energy.

Instead of engaging in diverse double-think — scrambling, begging and crying for fuel while saying we are really better off without it — Americans could stamp out energy use if that's what we really want.

Sacrifice would become a way of life, and our finite fossil fuels would get a much-needed respite from the current inexorable transformation into pollutants as shortage became an outmoded term.

The first big step to be taken is passage of a law requiring everyone to have a minimum of 12 hours sleep per day. This rule should cut waking hours — hence, energy usage — by 25 per cent, and will be a great boon to growing children.

Bedchecks would be conducted by Internal Revenue Service officials, and insomniacs could spend their rest period pondering energy conservation.

Unemployment would not be allowed,



## COMMENTARY

### Commercial flights for Nixon heading in dubious direction

By RUSSELL BAKER  
New York Times

President Nixon's celebrated commercial airline flight to California was a small step in a dubious direction. Eventually, a day may come when a White House correspondent's story will read like this:

It Was Another One of Those Days For President Nixon.

"Bringing the Presidency back to the people may be great for my image, but it sure makes it hard to get any work done," he told newsmen tonight as he browsed at the paperback bookstand at the Philadelphia Airport.

The President was looking for an Agatha Christie or an Erle Stanley Gardner to help him kill an anticipated three-hour delay in his flight to Providence, where he was scheduled to speak tonight to the Annual Banquet of the Daughters of The Sons of Bohemia.

He had left Washington on a commercial flight to Providence with one stop scheduled at Philadelphia. There, as the plane touched down on the runway the pilot announced that the rest of the flight had been cancelled.

At the airline counter where the President sought an explanation for the sudden cancellation, he was told only that there had been "an equipment problem."

"But I have to be in Providence in three hours to deliver a speech," the President said.

"That's life, buddy," said the airline clerk.

After shopping from counter to counter, the President finally found an airline with a flight leaving for Providence three hours later.

"With luck," he said over his fifth cup

of airport coffee, "I can get to the Daughters' Banquet while they're finishing dessert."

Subsequently, the flight turned out to be oversold, so there was no seat for the President when he reached the plane. In a burst of obvious anger he asked the stewardess if she knew she was dealing with the President of the United States.

"Just because you are the President gives you no right to lose your temper with me," she replied.

The President appeared angry enough to continue the argument, but he was prevented from doing so by federal marshals, who forcibly removed him from the plane and might have detained him for questioning had he not apologized profusely for creating a scene.

"All right, Mr. President," one of the marshals told him, "We're not going to make anything of it this time, but hereafter you'd better watch how you behave around airplanes."

After phoning his regrets to the Daughters of The Sons of Bohemia, the President took an airport limousine into Philadelphia. His cashmere overcoat sustained a substantial burn when a fellow limousine passenger dropped his cigar in the President's lap.

At Philadelphia's 30th Street Station where he hoped to catch a late train back to Washington, the President discovered that he had only \$1.95 in cash and would have to write a check for the train fare.

When the ticket agent asked to see some identification, President Nixon produced his White House pass.

"Don't you have a driver's license?" asked the ticket agent. When the President said he seemed to have misplaced his driver's license, the agent said, "A likely story, Mr. President. Step aside now. The

paying customers are getting impatient."

Finally the President was able to borrow the fare money from the White House correspondents, who stated that they thought it better to manipulate the news than spend the night sleeping on railroad station benches.

Talking with newsmen on his way back to Washington, the President expressed concern about how long he could continue to do his job if he keeps on living as people do. This morning, he said, the bus to the White House had been 45 minutes late, and so crowded that he had had to stand all the way.

As a result he had had no chance to read Professor Kissinger's latest plan for world peace on the bus. It had poured rain just as he got off the bus, so he was soaked during the three-block walk to the White House and had to spend the morning drying his suit on the radiator which, naturally, made it impossible for him to meet with the cabinet or even to see people in his office.

At lunch he had tried to outline his Providence speech for tonight, but the waitress told him he would have to clear out if he was through eating because other people were waiting their turn at the counter.

A 3 p.m. conference on the economy had to be cancelled since the President had to be at the airport at 5 p.m. and knew that you can never catch a cab on Pennsylvania Avenue once the rush hour begins.

After the President left the train in Washington tonight, he had a 45-minute wait for a bus to his modest row house in the Glover Park District of Washington. He hopes his car pool driver, if he happens to read this story, will pick him up at his house in the morning.

## COMMENTARY

### America loses rare diplomat with passing of Chip Bohlen

By WILLIAM SAFIRE  
New York Times

PARIS — The United States has rarely had the diplomatic service it deserves, thanks to a tradition of political payoffs usually reserving key embassies for party contributors whose heads are often as fat as their wallets. Chip Bohlen, who died New Year's Day, was a glowing exception to that rule.

A member of the remarkable group of young men who, in the 1920s, decided to devote their lives to the study of Russia and Russian and to the needs of their own government — a group including George Kennan and the late Llewellyn Thompson. Less literary than Kennan and less

politically adroit than Thompson, his crisp wit, penetrating shrewdness, linguistic talent and gift for analysis carved out for him a special niche among American public servants.

These assets applied to his career as a Soviet expert but also in the Philippines and France, where at difficult times he was an unusually successful envoy. Bohlen's personality, marked by a mixture of gusto, energy and a broad range of interests, made him a popular figure wherever he went.

His career was given great impetus when President Roosevelt used him as his interpreter during wartime conferences with Stalin. Later he was appointed State Dept. counselor and subsequently sent to Moscow as ambassador in 1953 where he quickly discerned the trend toward de-Stalinization.

Even before Khrushchev took power, Bohlen was calling his predecessor "Warren G. Malenkov" because of his movement "back to normalcy." Yet, Bohlen concluded, even if the Russians were trying to change over from Stalinism, they were stuck with the basic essentials of Stalin's policy.

He always felt Russia was a land of many secrets but few mysteries. He wittily assessed the Russian view of democracy accordingly: "A democratic government is one with at least 20 per cent Communists in its composition; a progressive democratic government is one with at least 40 per cent Communists; a people's democratic government is a Communist dictatorship."

Nevertheless, he had great respect and personal liking for the Russians and he knew their language and culture exceedingly well. After Bohlen's departure, Molotov told a visitor: "We knew he was opposed to our system but we respected him for his intelligence and

his accuracy and we regret his departure."

Despite the fact that Bohlen was an old golfing companion of Eisenhower, the President did not stand up for him vigorously when Secretary of State Dulles, frightened by McCarthyist criticism of Bohlen's role at Yalta and also irritated by Bohlen's whiplash tongue, exiled him from Soviet affairs to the Philippines.

When President Kennedy was elected, rumors soon circulated that Bohlen was coming to Paris as ambassador. It was said that General De Gaulle remarked sourly: "Well, if it has to be an American, he is the most suitable man." But Bohlen was not sent here until 1962. Despite considerable tension in U.S. - French relations during his eventual embassy, he saw De Gaulle more often than any foreign envoy.

Bohlen wound up his career as Deputy Under Secretary of State for Political Affairs, highest job available to members of the career service. To his glee he was Acting Secretary for one day. When he retired, he spent much time quail shooting, golfing and producing an excellent volume of memoirs. He often looked back on his profoundly interesting diplomatic life.

David K. E. Bruce, now head of the U.S. Liaison Mission in Peking and a man of unrivaled experience in statecraft, considered Bohlen the ablest civil servant he knew. Bohlen was also astonishingly modest about his exceptional capacities and so loyal that he even worked faithfully for Dulles, rising on occasion to defend that secretary who had unsuccessfully tried to destroy him. Chip Bohlen was a brilliant patriot. It will be difficult to find his peer. For me, impossible.



## Students heat structure with solar energy, wind

By UNITED PRESS INTERNATIONAL

ANN ARBOR — A group of University of Michigan architecture students has found a way to harness solar energy and natural wind currents in a one-room structure that automatically heats and cools itself.

The experiment could be a start toward eliminating the need for conventional energy sources like fuel oil or natural gas in buildings of the future, said Edward J. Kelly Jr., 25, a graduate student in architecture who directs the project.

The 10 by 18-foot building on the Michigan campus uses a ventilated and water-saturated double-roof system and moveable wall panels which respond to temperature and wind changes to control its interior temperature.

"Basically, we have tried to create an architectural space that breathes with nature," Kelly said. "We're also trying to start the architecture profession thinking about more energy-efficient designs."

Kelly said heating and cooling expenses make up a major share of most building operating costs, as well as accounting for more than one-fourth of all energy used in the United States.

"In these areas the use of solar energy and available wind current warrants investigation," he said.

The key to the system is the building's double-roof design. The upper, or external roof serves as the heat collection area through the use of a solar panel system which collects hot water and then distributes it through pipes and panels in the walls. The lower roof, the room's ceiling, contains a foam pad to hold and release water which, as it evaporates from

the pad, draws undesired heat from the room.

Kelly and seven other students built the unusual structure last summer with a \$14,500 grant from the National Science Foundation.

The group first made studies of the average temperatures and wind velocities during the year in the spot where the building was built to determine approximately when temperatures would fall above or below the "comfort zone." It also gauged average wind velocity and direction to decide in what direction the building could best be built to take advantage of the wind, which triggers air flow through the roof.

The only conventional energy-consuming device in the structure is a battery-operated pump which releases water onto the lower roof pad. However,

the group is currently constructing a wind generator to power the pump which should replace the battery by the first of the year.

Kelly said he believes more concentration must be given soon to alternatives to conventional energy sources, both because of the increasing scarcity of some and the related pollution problems. He estimated that only 10 to 15 per cent of funds directed toward energy research are currently spent on alternatives to sources such as oil, coal and natural gas.

## City manager, personnel drawing up energy policy

East Lansing City Manager John M. Patriarche has been working with department heads to draw up a comprehensive city energy policy.

Meanwhile, city hall employees are wearing sweaters as they work and are trying to keep their use of city vehicles to a minimum, Patriarche said.

He said, however, that he has been waiting to see what actions the federal government will implement before implementing a comprehensive city policy.

"It's a bit early to say what our exact policy will be," Patriarche said. "I don't

know that we'll have to do anything more than we have already done."

East Lansing's city employees have been following presidential energy policies since a Nov. 9 memo from the city manager advised them to do so, Patriarche said.

He said city thermostats have been dialed down to 68 degrees, unnecessary lighting has been eliminated and use of city-owned vehicles has been reduced.

Officials using vehicles have been advised to follow a 50 m.p.h. speed limit, except in emergencies.

This photograph of Kohoutek's comet (arrow) was taken by Stephen Hill, asst. professor of astronomy, 45 minutes after sunset Friday with a 135 millimeter lens on a 35 millimeter camera, Tri-X film at f: 2.8 and 15 seconds exposure. In the upper left-hand corner of the picture is

Venus, which the comet will appear to move toward during the next week. The observatory will hold open houses at sunset on Jan. 12 and 19. Abrams Planetarium will hold observing sessions at 7 tonight and through Jan. 26.

## Milliken expected to recommend \$30 million sales tax relief plan

By MAUREEN McDONALD  
State News Staff Writer

Gov. Milliken is expected to propose a new \$30 million tax-relief program within the next two weeks to reimburse low and middle-income families and students for the state sales tax they pay on food purchases. But his proposal pales next to that backed by the Michigan Citizens Lobby.

Milliken's program would also provide cash rebates to those whose income is so low that they do not pay income taxes. This would include a considerable number of MSU students with incomes below \$6,000.

The tax credits or payments would be figured on a sliding scale based on income and family size and would probably be limited to families or individuals with incomes ranging up to about \$12,000.

The citizen's lobby, in contrast called food taxes hard to swallow and called for total repeal of taxes on food last Oct. This measure received large support from state Democrats and from Senate Taxation Committee Chairman Harry A. DeMaso, R-Battle Creek, who called the

measure "nonpolitical."

But Democrats, in an election-year bid, have seized the issue as a means to gain votes among disgruntled shoppers who vehemently protest the 17 per cent hike in food prices in the last year and seek some sort of relief.

Repealing the sales tax, though, opens up a whole new can of worms. First of all, the money has to be replaced. Repealing the tax would amount to \$150 million lost revenue in the state treasury. DeMaso suggested that the money be absorbed in the state's flat rate income tax through the use of a surtax. But this idea failed to gain support in the House taxation committee.

Rep. Dennis Cawthorne, R-Manistee and House minority floor leader, introduced a proposal similar to Milliken's on Nov. 13. Cawthorne said his proposal would save the measure from total defeat.

Critics of the food tax repeal state that the payment burden would fall largely on the middle and upper class through income tax. But backers of the amendment note that the present taxation system is largely regressive since the poor spend the highest percentage of their total

budget on food. They claim the income tax is far more equitable.

Hints of a recession have also dampened the hope for sales tax repeal. With large-scale layoffs predicted, the state is reluctant to disband a reliable source of income. The recent property tax cuts have also weakened the state treasury.

Milliken's scaled-down tax proposal can be absorbed within a moderate, automatic increase in state revenues, estimated to be a little over \$100 million next year.

But a worse fate could be met if Republicans and Democrats refuse to iron out any tax agreement. Party confusion could stymie the measure leaving the poor with no outlet to the regressive tax.

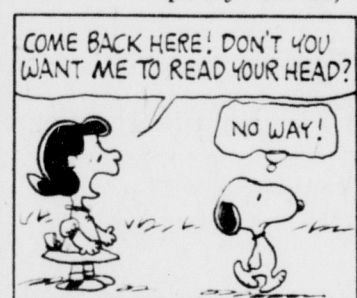
Regardless of the tax formula, restaurant meals and drug purchases will not be included.

Milliken is scheduled to give his annual State of the State message to the legislature Thursday, but the tax credit proposal probably will not be ready for him to announce then.

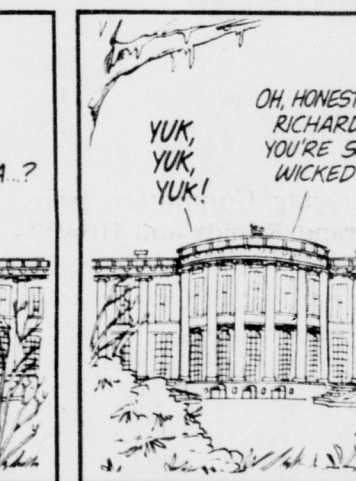
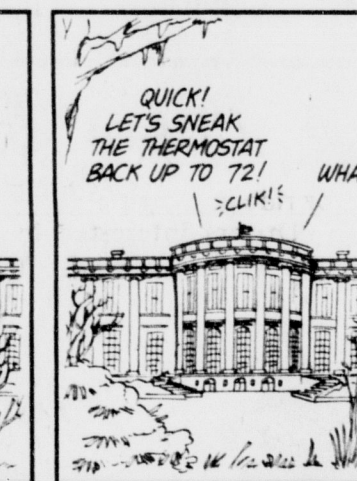
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DOONESBURY



by Garry Trudeau



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# 'Sting' recreates razzmatazz of '30s era

By EDD RUDZATS  
State News Reviewer

It's true. Butch Cassidy and the Sundance Kid are back in town. Only this time they are calling themselves Henry Gondorff and Johnny Hooker, wearing '30s clothes, and conning the mobsters of Chicago and New York out of a bundle. But essentially "The Sting" with Paul Newman and Robert Redford, is just a rehash of that earlier film which first brought these two big stars together under George Roy Hill's direction. Well, this winning trio are at it again in this story of "The Big Con." "The Sting," however, does

prove to be infinitely superior to "Butch Cassidy and the Sundance Kid" because director Hill has lent a good deal of atmosphere and style to what is really just another caper film.

Hill has recreated the look and feel of '30s beginning with the clothes his characters wear, the cars they drive and the

slang the use. He then blends it with a directorial style that is a direct throwback to the technique of filmmaking used in movies of that same period.

Drawings strongly reminiscent of Saturday Evening Post covers establish the tone of the film and serve to introduce the action of the six segments in which Hill has

divided his film.

"The Sting" opens with "The Set-Up" where Redford is introduced as Hooker, and the basic plot situation is put into motion when Hooker and his black partner unknowingly pull one of the oldest con-man routines called "The Switch" on a numbers runner from Chicago.

This leads them into trouble, for their haul is for more than they bargained. Consequently they incurred the wrath of Doyle Lonnigan, head of the numbers rackets, played by Robert Shaw.

From there on begins "The Tale" where Hooker teams with Gondorff (Newman) to attempt "The Big Con" and

the movie then progresses through "The Hook," "The Wire," "The Shut-Out," and finally "The Sting."

The terms may not mean much in themselves, but they are all phases in the execution of an elaborate con game that the two main characters have devised.

Ultimately, even the audience is conned by the

complex, convoluted, razzmatazz procedure that is the core of this movie. But it is all in good fun.

For that is what "The Sting" is — pure and simple escapism entertainment. The movie is a sterling example of Hollywood at its best: slick, glossy and shallow, yet unabashedly an enjoyable romp.

But "The Sting" cannot

miss, for it is light, frothy entertainment that benefits immensely from Hill's stylish direction and the success of Hill's previous work with Newman and Redford. Anyone who loved "Butch Cassidy and the Sundance Kid" will undoubtedly love "The Sting."

"The Sting" is now playing at the Spartan Twin Theatre.

## LP: End of Mahavishnu?

By DAVE DIMARTINO  
State News Reviewer

Inner peace and all its fringe benefits — that's supposed to be the net result of a good listening to John McLaughlin's Mahavishnu Orchestra. More often than not, the band's new album, "Between Nothingness and Eternity" continues such sanctified promises. It allows a discerning listener the chance to hear the tightest musical unit in existence blow out their brains in front of thousands in Central Park.

The newest product by McLaughlin and company, a live album, threatens to be the final testament of the group, which seems to be on the verge of disbanding due to yet another series of personality conflicts. This time around, it appears that McLaughlin has become perturbed about a recent interview in which several band members hurled jibes at him.

Complaining of McLaughlin's act of smothering all group compositions but his own, the band expressed several views that would seem to indicate that a break-up is imminent.

Drummer Billy Cobham, for example, has released his own album, "Spectrum," which not only features a few members of the Mahavishnu group, but several other equally talented musicians. Set to tour the country in March, Cobham is obviously prepared to go out on his own. "Spectrum" is a highly enjoyable album that displays Cobham's drumming talents at their best.

"Between Nothingness and Eternity" is clearly the high point of the orchestra's recording career. The fact that the performance itself is recorded live makes the disc an important musical document, because the high-energy music is best appreciated in a live context.

Appreciating the music of the group is something else again, for it's hard to think of another band that demands so much of the average listener. Mahavishnu's music is of the sort that requires constant attention. The interplay between each band member is astounding. However, the fact that so much complex music is being presented in such a simple format (i.e. piano, guitar, drums, etc.) sometimes becomes a hindrance rather than a help.

It becomes extremely easy to forget that there are only five musicians producing the tremendous amount of musical energy that one is hearing.

The new album is a fine representation of the band in this point in their development. Their music has evolved to where it could be described as leaning towards a "detached intensity," one either hears it or merely admires it.

This, unfortunately, is perhaps the only valid criticism one might offer about McLaughlin's group.

With such tremendous musicianship and red-hot talent, also comes the realization that though a universal audience is being strived for, musical accessibility limits the group's following to a select few who truly understand the music.

When it becomes necessary to talk of a musical group in such terms, it seems a shame. It is sufficient to say that this is the Mahavishnu's best effort — it is live, it is intense and it is extremely good.

It is a fitting testimonial to one of the most talented musical aggregations of the decade. Whether McLaughlin continues on his present musical path is questionable, but the quality of his present work can never be.

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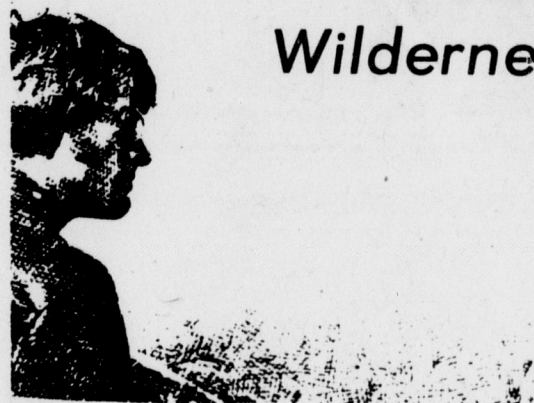
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# Coaches ponder weekend

By LYNN HENNING  
State News Sports Writer

It was Monday...and time to reflect on the past weekend's games.

So, Gus Ganakas tried to explain what happened to his Spartan basketball team Saturday and Amo Bessone talked with pleasure about his team's sweep of Wisconsin at both coaches' weekly press luncheon at the International Center.

"The Purdue loss was the hardest type of defeat for a coach," Ganakas signed, speaking of the Spartans' tough 77-75 loss to Purdue

Saturday.

"It was even tougher than the Detroit game (MSU's overtime loss to the University of Detroit Dec. 22). You lead all the way but fail to win. You know, we were ahead 39 minutes and 45 seconds of that game."

"The one trouble we have is turning the ball over," Ganakas said, indicating that the team's ball-handling troubles are as baffling to him as they are to everyone else.

The Spartans committed 35 turnovers Saturday — 13 of them by Lindsay Hairston, who set a new Mackey Arena record for turnovers.

It was a much nicer weekend for Bessone. Sweeping No. 1-ranked Wisconsin suited him just fine.

"We did it without any help from anybody," Bessone said sarcastically.

The Big Ten did not rule whether winger Rob Harris was eligible last weekend, keeping him out of action for the two games, though Harris has a 2.71 grade point average.

The games were thrillers, MSU escaping with 5-4 and 7-6 victories after enjoying big leads in both games.

Wisconsin's near-wins in each game still had everybody talking Monday.

"We tried to sit on a lead," defenseman Chris Murfey explained. "All of a sudden we had a three-goal lead and we're saying to ourselves, 'We got 'em.' But they (Wisconsin) showed what they can do."

"When they get a goal," Murfey added, "they get fired up."

The Spartan cagers sat on their lead too long, however. College basketball games last 40 minutes, and that was just 15 seconds long enough for Purdue center John Garrett to hit the winning bucket for the Boilermakers, after MSU had led by as many as 18 points in the game.

"That last basket scored by Garrett," said Ganakas, shaking his head. "We had a breakdown. Our whole plan was to keep Garrett from getting inside."

"That's enough to drive you to drinking beer — on the bus." Still, Ganakas remains encouraged by the Spartans' play against a team they were never supposed to come close to Saturday.

"We're playing better," he conceded. "We've played five straight great quarters now, if you go back to the Boston College game (the team MSU beat Dec. 30 to take third place in the Maryland Invitational Tournament)."

"It's just like Pat Miller (asst. coach) said," Ganakas added. "Our objective is that we're looking at the positive end. My family still loves me — I think."

## Miami front four

The Miami Dolphin defense has the task of stopping scrambling Fran Tarkenton and the rest of the Minnesota Viking offense Sunday when the two teams clash in Super Bowl VIII in Houston. From bottom to top are the Dolphins' front four: end Vern Den Herder, tackle Manny Fernandez, tackle Bob Heinz and end Bill Stanfill. This is Dolphins' third consecutive Super Bowl appearance, while the Vikings were the champions of the NFL's Central Division this season.

AP Wirephoto

## DEFENSE UNDER PRESSURE

# Fran concerns Miami

HOUSTON (UPI) — Mention Fran Tarkenton to the Miami Dolphins' defense and the reaction all comes out the same — pressure.

Tarkenton will be at quarterback for the Minnesota Vikings Sunday when they face the World Champion Dolphins in Super Bowl VIII at Rice Stadium and the Miami defenders are concerned with his scrambling style.

"I have a lot more to be aware of playing against him," said Dick Anderson, Miami's all-pro safety. "Playing against him requires a lot more thinking. He adds another dimension to an offense. He puts unusual pressure on a defensive unit."

"Also, Tarkenton has been around for 14 years. He knows what to look for — there is no substitute for experience."

Jake Scott, the free safety who teams with Anderson to form one of the best back lines in football, agreed that Tarkenton would put heavy pressure on the secondary.

"He has that ability to turn a bad play into a good one," Scott said. "He tries to throw from the scramble but he can run as well as anyone in the game. He's not like Roger Staubach (the Dallas quarterback). Staubach takes off after his first receiver is contained. Francis just sits back there and keeps moving around until he finds someone

open.

"He's one of the great quarterbacks in football," Scott said. "He's intelligent and he's proved his worth over the years. He's a tremendous ball handler and you can't relax playing against him."

Middle linebacker Nick Buoniconti said Tarkenton's play-calling will put pressure on him at his position. "You don't get the same look every time," he said. "You've got to be prepared for anything and everything. We knew Oakland would try to run the ball down our throats and we were prepared for it. You can get ready for something like that."

"The defensive line is going to be the key, meaning

Tarkenton. They have to do it, especially the defensive ends, or else we're in trouble. You can't play a guessing game with this team. I'll have to play it honest against Tarkenton."

The defensive ends — Bill Stanfill and Vern DenHerder — both agreed containment would be their big job Sunday.

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## Rain again postpones Crosby golf tourney

PEBBLE BEACH, CALIF. (UPI) — Weather more suited for duck hunting than golf Monday forced postponement of the final round of the \$185,000 Bing Crosby National Pro-Am until today.

Jack Nicklaus, complaining of a bad back, withdrew Monday shortly after play was called off and said he was going home to Florida. Gene Littler, who was at 221, also withdrew. Other withdrawals were anticipated in view of the gloomy weather forecast.

The weather forecast calls for rain over the next four days and there is a possibility the event will not be completed since today is the last day they can play here. The next stop on this year's 44-tournament PGA schedule is the Phoenix Open, which has a Thursday start.

It has been raining off and on for nearly two weeks here.

Jack Tuthill, tournament director for the PGA's tournament players division, waited until shortly after 10 A.M. PDT, nearly two hours after the scheduled start, before calling off play Monday for 71 players who survived the cut made after Sunday's third round.

It was the second postponement of this year's Crosby.

## Men's IM

The fraternity and independent managers meeting for the men's intramural basketball league will be held at 7 p.m. instead of 7:15 p.m. today and Wednesday in 208 Men's Intramural Bldg.

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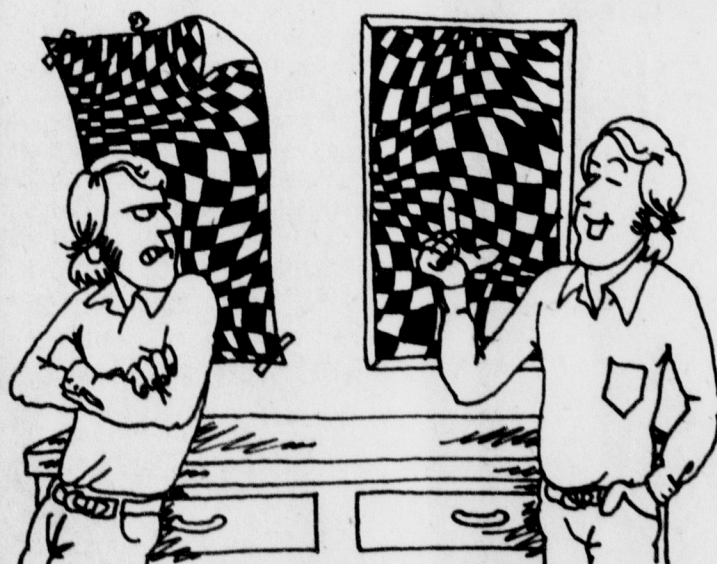
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# Official defends nuclear plants

By RUSSEL C. YOUNGDAHL  
Senior Vice President,  
Consumers Power Company

Without electricity, someone once said, everything stops. At Consumers Power Company there is a corollary: over the long term, without nuclear generated electricity everything in Michigan may stop.

Consumers Power Company is relying increasingly on nuclear power to produce the electricity it supplies to its customers.

Nuclear power, over the long run, will make the cost of generating electricity more economical. Michigan is an energy-poor state which must import virtually all the fuels needed to run its economy. The expense of locating, recovering and transporting these energy sources is continually escalating.

Use of atomic power will not only reduce the costs associated with producing electricity from fossil fuels, it will help conserve those energy sources for uses for which they are uniquely suited such as transportation, residential heating and industrial process heat.

Though nuclear power plants have been operating for more than 20 years without serious incident, there remains some doubt on the part of a small segment of the public about the safety of nuclear energy. Much of the concern, unfortunately, is the result of fears aroused by a number of loud voices who accuse both industry and government of blindly advocating this technology with total unconcern for man and his environment.

But there are two facts which no nuclear power opponent can refute:

The nuclear industry and the U. S. Atomic Energy Commission (AEC) demanded and achieved a level of public safety never before attained in any industry. The National Safety Council has recognized atomic energy as one of the safest fields in American industry.

Commercial nuclear plants have been operating in the United States since 1957 and no member of the public has ever been injured or killed as a result. Though mechanical malfunctions and breakdowns have occurred in nuclear plants, just as they do in any industrial operation, built-in, in-depth safety features have prevented harmful accidents from radiation either to the public or to atomic industrial workers.

What are the potential dangers?

## Radiation

From its inception, one of the primary considerations of the nuclear power program has been the protection of the public from radiation. The basic safety approach involves the concept of defense in depth and includes highly reliable equipment, duplicate and triplicate systems, back-up components and safety equipment which can operate from a number of sources to shut down a nuclear reactor should it begin to operate abnormally.

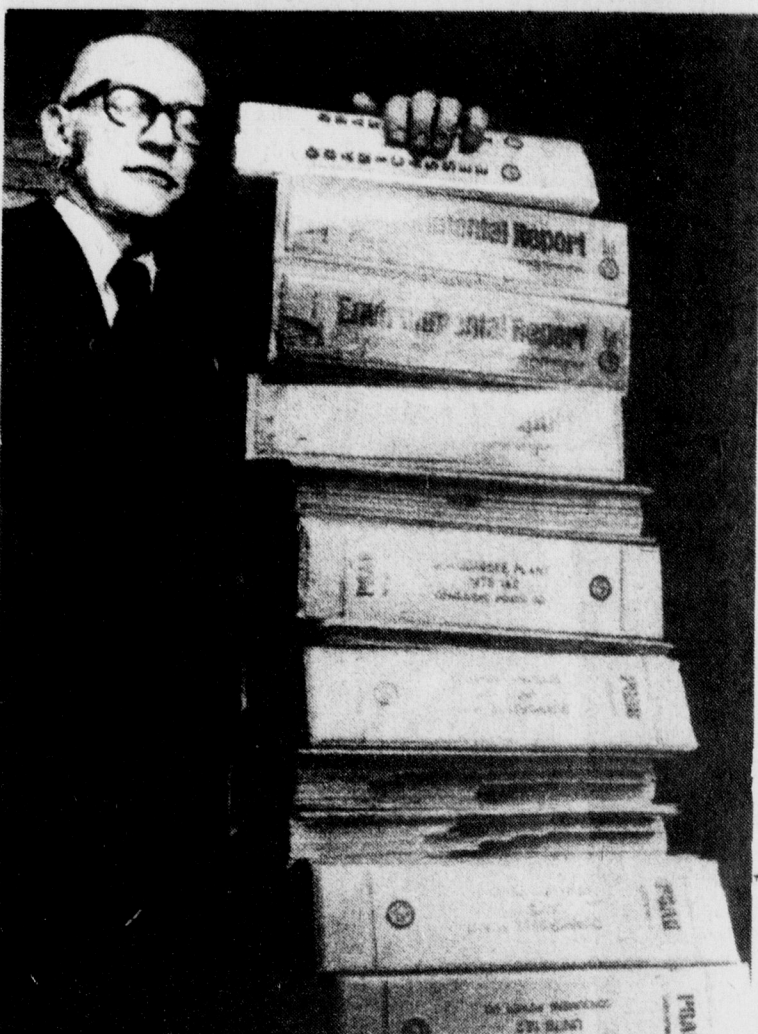
Since the early days of nuclear power, scientists and engineers have hypothesized potential accidents and have designed plants to withstand by a safe margin even the most highly improbable

incidents.

In normal operation, nuclear plants release extremely small quantities of radioactive gases and liquids. The radiation exposure to the general public from all present and planned plants will be less than 1 per cent of the normal background radiation (the natural radiation found on earth). 1d on earthCo

## Cooling

Emergency core cooling systems (ECCS) are provided in nuclear plants to maintain cooling of the reactor core in the event of a loss of coolant accident so that significant fractions of the



When Consumers Power Company filed a preliminary application to build a \$1.2 billion nuclear power plant near Quanicassae, project manager Kenneth Swarts had to turn in eight volumes of reports.

AP Wirephoto

radioactive material contained in the fuel rods will not be released to the containment building atmosphere.

ECCS is comprised of at least two duplicate, independent pipe systems, each with two different water pumps, each powered from independent sources. Each part of the system is tested before the plant begins operating and periodically thereafter.

## Wastes

Disposal of high-level wastes from nuclear plants has become a controversy in spite of the fact that these waste products have been successfully stored since the beginning of the nuclear age 30 years ago. The question of permanent disposal is being studied by regulatory and environmental agencies and the most favored solution is disposal in rock salt formations. This method has been recommended by a number of reviewing groups, including three different committees of the National Academy of Sciences.

According to one of the committee reports, there is no reason to assume the salt formations will not be satisfactory, though some specific sites may not be usable. Until a satisfactory site has been selected, the wastes will be stored in solid form at federally controlled above-ground sites.

## Insurance

Misinformation about nuclear exclusion clauses in homeowner's insurance policies has been widespread. There is such a clause in most homeowner's policies along with exclusions for landslide, earthquakes, floods and wave action damage. But this does not mean there is no insurance protection. The homeowner is covered by the nuclear plant's liability insurance. Any individual can file a claim against the owner of the plant.

Utilities which operate nuclear plants are covered by two insurance pools and by the Federal Price - Anderson Act.

## Construction

As with any major construction project, problems arise during the construction of a nuclear plant. In order to eliminate construction flaws, an elaborate system of checks and balances has been established. The safety record of nuclear operations shows that the system is effective. Both the utility and the contractor are required to have trained, experienced quality control experts at the plant site to inspect construction activities.

A second level of quality control involves the AEC's Division of Compliance whose inspectors periodically visit plants and review the construction work. Any violations found by the inspectors must be corrected before an operating license will be issued. Once a plant is running, the inspections continue to assure that proper safety procedures are being followed.

## Alternatives

Critics of nuclear power advocate using alternative sources of energy to supply electricity, such as geothermal (natural earth heat) and solar power. Though both sources could supply some of the country's energy needs in the future, they have serious limitations.

## Controls on plants termed rigid

By Atomic Energy Commission

Nuclear power, the Washington Post has commented, "is growing at a difficult time. The public, sensitive about dangerous pollution from its present power plants, is becoming aware that atomic plants may have dangerous pollution of their own."

Congress has established a framework for the AEC to license the construction and operation of nuclear power plants. The procedures require (1) a detailed safety and environmental review of proposed plants by the AEC Regulatory Staff, (2) a review of the safety aspects by the statutory Advisory Committee on Reactor Safeguards (ACRS), (3) public hearings before atomic safety and licensing boards and (4) a continuing AEC inspection program throughout the life of the plant.

Once a utility has selected a

site for a nuclear plant and concludes that the location will meet the AEC's requirements, an application for a construction permit and an environmental report are filed with the AEC.

If our regulatory staff accepts the application, it begins a year-long safety and environmental review.

When the regulatory staff is nearing completion of its review, it makes public its safety evaluation report and meets with the ACRS to outline its conclusions.

The ACRS also hears from the applicant and, members of the public may present their views to the ACRS and attend the meetings at which the AEC staff and the applicant make their presentations.

Once the ACRS has completed its review, it reports its findings publicly. The regulatory staff then completes and makes public its final safety statement on the

proposed plant.

A public hearing is scheduled before a three-member atomic safety and licensing board. Members of the public and state and local officials may participate in the hearing. At the conclusion of the hearing, the licensing board issues a decision to grant or deny the application.

A similar safety review is conducted by the AEC and the ACRS on the application for an operating license as the plant nears completion. No discussion of nuclear plant licensing would be complete without a discussion of the "defense-in-depth" approach to safety which is followed by the AEC.

The basic features of all nuclear power plants include massive structures that are designed, built and operated to assure that the multiple barriers preventing release of radioactive material are not violated - either by internal

forces or by natural external forces.

The "defense-in-depth" involves three levels of defense which would have to be breached before there could be a serious accident which would affect the public.

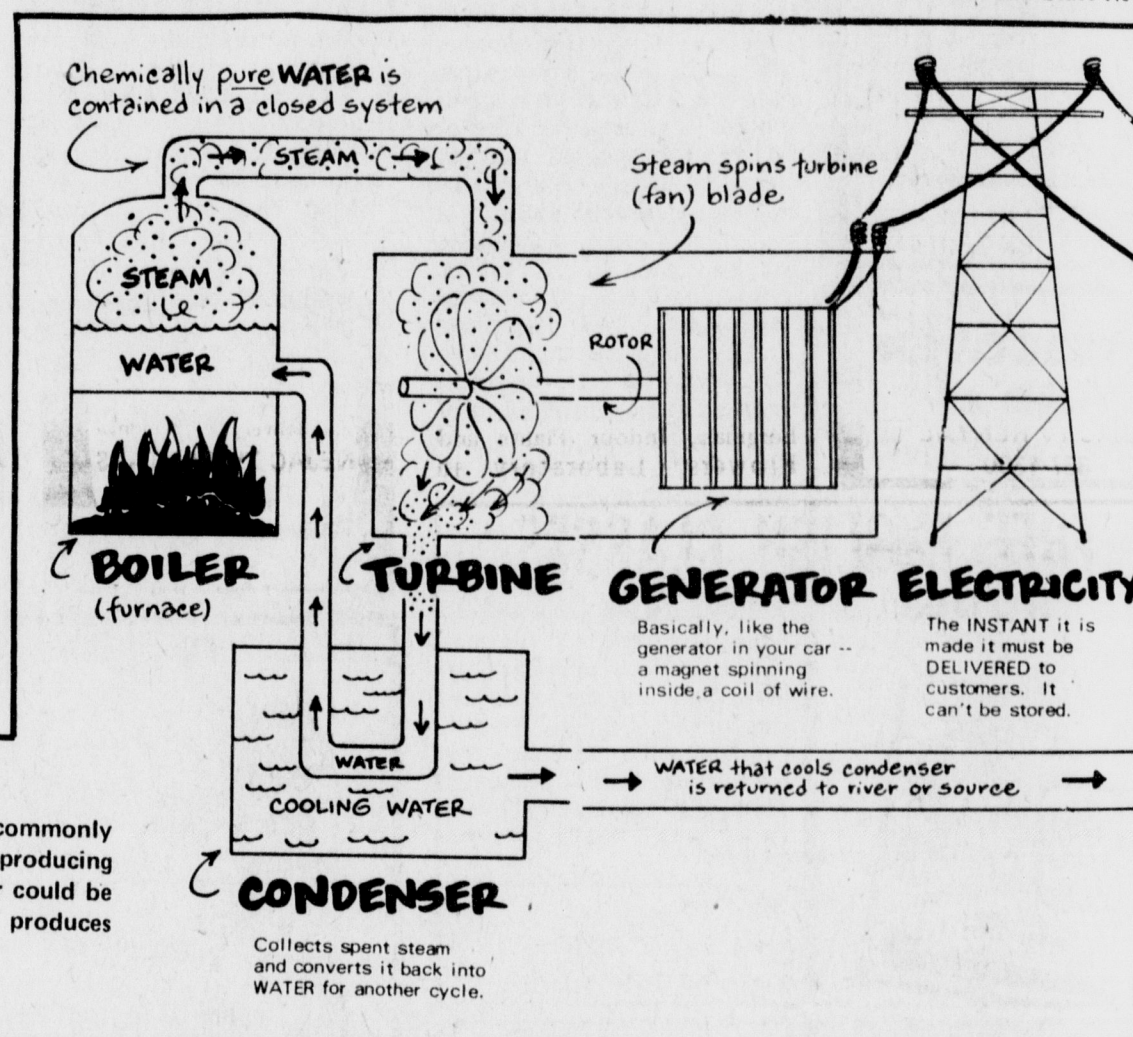
The first level involves designing the plant to assure safety in normal operation through the use of high quality workmanship and materials. The second level includes built-in safety systems designed to detect flaws, to prevent minor accidents from escalating into larger ones and to shut down the reactor if necessary.

The third level of safety is based on the assumption that severe failures will occur in spite of the other levels of protective devices. Additional safety systems and features are provided to limit the consequences of such major accidents. The emergency core cooling system, about which so much has been written and said

and which has been the subject of an AEC public rulemaking hearing, is part of this third line of defense.

Nuclear power represents a unique situation in the United States. For the first time we have introduced a technology where precautions have been taken from the outset. The safety record is excellent, but this is no reason to relax our vigilance. Reactors are not without risk. Our aim at the Atomic Energy Commission is to reduce the risks to the lowest possible level.

Fossil fuels (coal, oil, gas) are commonly burned to begin a process for producing electricity, but a nuclear reactor could be used to create the heat that produces steam.



## AEC criticized for protecting structures

By MARY SINCLAIR

Co-director, Consolidated National Intervenor

Nuclear power is "the biggest single risk that any civilization has ever taken."

These are the words of Sen. Howard Baker, R-Tenn., who appeared in a recent ABC-TV documentary on nuclear power. This statement accurately describes the real and incredible dimensions of the health and safety issues for human life and for the whole future of the planet that are at the heart of the nuclear power controversy.

Any event that could disperse a nuclear reactor core has a damage potential in terms of a death toll that could run into millions of lives and a permanent contamination of large areas that is beyond any other event that is humanly imaginable.

The hazard of the long-lived, highly toxic wastes that the nuclear fission plant must produce in order to operate will persist for thousands of centuries - requiring perpetual care from all future generations.

In spite of the sweeping risk of this technology that affects every person in this country, how many students or faculty members, on this campus or any campus, understand the nature of this risk and how it was prepared for them?

In the words of U.S. Supreme Court Justice William Douglas, nuclear power is "the most dangerous technology ever devised by man." The record has now been established, primarily through the national safety and radiation rule-making hearings, indicating that adequate safety research and operating experience for the safe broad deployment of this technology simply do not exist.

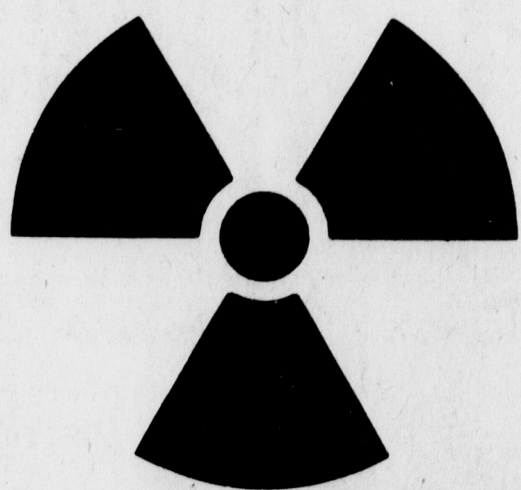
The Atomic Energy Commission (AEC) likes to project the image that its function is "to perform as a referee serving the public interest," but in reality, the Atomic Energy Act of 1954 by which the current nuclear power program was established, charges the AEC with not only the regulation but the promotion of nuclear power. Therefore, there has never been a single license denied for a nuclear power plant as the result of a public hearing. In fact, citizens who seek to enter the public hearing required by law at the construction license phase of every nuclear plant, are warned by their attorneys that they are in a "no-win" controversy where the most they can hope to achieve is an education of the public.

Though the AEC claims its principal licensing responsibility is to protect the health and safety of the public, the fact is that all manner of activities take place prior to the public hearing, to predetermine the outcome of the hearing and to prejudice the findings of the hearings themselves. For example, the AEC has permitted huge expenditures of funds by the utilities at proposed reactor sites before a hearing is even announced.

In the Midland case, Consumers Power and the Dow Chemical

companies had already committed \$54 million to the site preparation and construction of the proposed plants before the construction license hearing was even announced. A recent AEC ruling forbids spending money on site preparation, but it still permits the utilities to order the reactors themselves prior to any public hearing, even though the National Environmental Policy Act requires a consideration of all alternatives before any choice

## THE CASE FOR A NUCLEAR MORATORIUM



The Environmental Action Foundation, Suite 732, Dupont Circle Bldg., Washington, D.C. 20036, produces books such as "The Case for a Nuclear Moratorium" and is engaged in broad educational and research programs to provide background information on critical environmental issues.

for power generation is made.

Citizens' attorneys have analyzed AEC Rules of Practice which govern plant licensing procedures and noted the manner in which they handicap intervening citizens. Some of their summarized findings:

- Notice of hearing is not published in a manner, and sufficiently in advance of the hearing, to facilitate timely intervention by interested citizens and an adequate opportunity to prepare for the hearings.

- The rules governing intervention do not spell out any standards or guidelines on which intervention will be allowed, and give the commission excessive discretionary power to deny petitions to intervene.

- The presiding officer is empowered to direct the service of written testimony - a provision which imposes an undue burden on the intervenor with meager funds and limited opportunity to prepare for trial.

- The rules do not provide for furnishing free copies of lengthy transcripts to indigent intervenors.

Finally, let us address ourselves to AEC's claims to a "defense in depth" approach to safety.

The AEC claims that the containment vessels are "massive structures that are designed, built and operated in accordance with stringent standards and criteria to assure that the multiple

barriers preventing release of radioactive material are not violated."

Myron Cherry, attorney for the Midland citizen intervenors, has repeatedly asked for the research data which supports the claim that the pressure vessel cannot be ruptured and has consistently been denied this information by the AEC.

The emergency core cooling system that the AEC cites as its ultimate safeguard in its "defense-in-depth" in the event the cooling water was lost through a pipe rupture has never been tested under anything approaching actual operating conditions. Because it affected all reactors, the national safety rule-making hearings were called in Washington in January 1972. A coalition of over 60 environmental and citizens groups (now grown to over 100) immediately entered those hearings to represent the public interest.

Public hearings in all parts of the country, including Midland, where this issue had been raised for consideration by the intervening citizens, were recessed in order to allow the AEC to consider this matter. Licensing of all plants was stopped for months for this reason. This delay was clearly the result of the internal AEC conflict over the adequacy of the safety of this system and therefore of nuclear plants.

We do not ask for "risklessness" in our society, but the reckless plunging of this country into a proliferation of large, untested nuclear plants is inviting the ultimate catastrophe.

## Called moral, political problem

## Use of nuclear power assailed

By MARION ANDERSON  
PIRGIM Legislative Director

The problem of nuclear power plants is not inherently a technical problem. It is not an administrative problem. It is a moral and political problem.

For the question which faces us is: Do we want to degrade the environment with the production of radioactive poisons in order to continue to enrich the energy controllers, or do we not?

"Clean" nuclear power is the ultimate exercise in doubletalk. For the power company ads claim that nuclear power is clean because you cannot see any smoke. On the other hand, they constantly assure us that they are safe because all the poisonous radioactivity is contained so well.

Nuclear power plants are poison factories. The byproducts which they produce are the most insidiously dangerous

substances known to man. They include substances which cause leukemia, cancer of the bone marrow, cancer of the thyroid gland and which make men sterile and which produce deformed babies.

The production of these deadly materials cannot be avoided. They are inherent in the process of splitting the uranium atom. This is the same process which takes place in the explosion of nuclear bombs. The major difference is that the byproducts of a bomb explosion, the radioactive materials, get in to the environment instantly and on purpose. In nuclear power plants, they enter the environment slowly and because of accidents.

Here is the story of the uranium which is used to fuel the nuclear power plants. At every step leading to the plant, into the plant, out of the plant and after burial, radioactivity can enter the environment. First it is mined leaving radioactive tailings which wash into nearby streams. It is made into pellets, put into fuel rods and brought to the plants.

## SPECIAL REPORT OPINION ON NUCLEAR POWER PLANTS

## Atomic energy: views explored

Dear reader:

Last March the State News set out to gather pro and con opinion on nuclear plants. Though some of the original material submitted has been edited to meet space limitations the opinions expressed on this page today offer much insight into the thinking of both sides.

Furthermore, the Atomic Energy Commission explains its procedures for licensing nuclear plants.

Michigan has been a major battleground in the war over nuclear power plants. Consumers Power Company, an electric and gas utility headquartered in Jackson, has two nuclear power plants in the state - at Palisades near South Haven and Big Rock Point near Charlevoix. Also, the company plans to build a plant at Midland, though that project has been fought hard by environmentalists.

Among the opponents, Mary Sinclair is a Midland writer who is codirector of the Consolidated National Intervenor, a citizens and environmental coalition.

Members of the MSU community undoubtedly have observed the considerable pronuclear power advertising of electric utilities which spend \$300 million a year on advertising. Environmentalists protest they have difficulty making their case known to the public.

The diagram below shows how electricity is generated from steam. Steam comes from burning fossil fuels in traditional power plants or from nuclear fission in atomic plants where individual atoms of uranium split into two energetic fragments that generate heat as they bump into surrounding fuel atoms.

The use of electricity as an efficient energy form is not explored here. For example in Washington it takes 58 per cent more energy for heating, cooking and making hot water in an all-electric home than in a home directly powered by gas.

Also, we neglect the impact of politics, including President Nixon's pronouncement of an energy shortage. On Dec. 7 the White House weakened the regulatory power of the Environmental Protection Agency by shifting authority over setting radiation standards on nuclear power plants to the AEC. The Public Interest Research Group in Michigan (PIRGIM) will release a report on nuclear power plants this month.

Meanwhile, we encourage citizens to familiarize themselves with nuclear power plants and to voice their viewpoint.

- MICHAEL J. FOX,  
for the State News





## Holds water

Massachusetts Institute of Technology students build a water storage structure on the Cambridge, Mass., campus which they hope will help a tribe in drought-stricken West

Africa. They are going to Mali to show Dogon tribesmen how they can line their mud granaries for water collection. AP Wirephoto

# Student project may help tribesmen ease drought

CAMBRIDGE, Mass. (AP) — What started as a seminar project on a back lot of the Massachusetts Institute of Technology (MIT) may help tribesmen in drought-stricken West Africa save water.

Five college students are going to Mali this week to demonstrate a water-storage technique they developed to change mud or clay granaries to water collection and storage tanks.

Hans Guggenheim and his students will take their ideas to the Dogon tribe and attempt to show how traditional Dogon architecture can be adapted for modern purposes.

The key to the water storage plan is the traditional Dogon granary, a beehive-shaped structure about 8 feet in

diameter and 10 feet high.

The students in the African architecture seminar devised a way to install special cement liners reinforced with chicken wire along the inside of the granary and soil-cement bowls at the bottom.

The students tested their theories by building a model of a Dogon granary at MIT and installing a lining. The whole scheme appeared to work.

Guggenheim, an anthropologist and authority on the Dogon culture, is a research affiliate in the MIT

Architecture Dept. He says the trip to Mali by five of the 10 students in his class involves more than just teaching the Dogons how to convert granaries.

"What we're trying to do is introduce an invisible technology that does not do violence to the environment, keeping in mind that Dogon architecture is world famous," he said. "We are simply modifying the inside of structures without creating any visual pollution."

Traditional Dogon belief

holds that the granaries were brought to man by Nommo, the water spirit, Guggenheim added. "In my discussions with Dogon elders on a recent trip it was brought out that they do not fear the modification plan as a violation of their belief because it is related to water."

The students' plans also involve collecting water on the flat, clay rooftops of village buildings and channeling this water from the roofs into converted granaries, which could be built nearby.

## Job openings on oil line end up mere pipedreams

If lures to Alaska have captivated your attention more than classes, think again. Pipeline pay promises are nothing more than a pipe dream warns Barry Brown, director of the Michigan Dept. of Labor.

Fraudulent ads for oil pipeline jobs are appearing in newspapers throughout the nation, Brown said.

"Con artists are using a simple but ingenious method to get registration fees from unsuspecting applicants by promising high

paying, nonexistent jobs and giving only a post office box number as an address," he said.

"Generally these unscrupulous operators represent themselves as official hiring agents for pipeline construction contractors and in most cases ask for a registration fee to guarantee job placement," Brown added.

Usually the fee is higher than the maximum allowed by Alaskan law, according to information from R.L. Smith, Alaska's labor commissioner, who says the problem is serious.

## Study anything from art to yoga...

The almost 60 offerings of MSU's Evening College winter term include courses on the impact of the last decade on world events, problem solving methods and crucial issues in education.

Two seminars in Creative

Problem Solving will present ways to handle emergencies and grow intellectually.

Meeting on Wednesdays beginning Jan. 16, The Ferment in American Education will feature specialists speaking on education's hidden values, radical approaches, costs, problems and promises. The roles of elected and appointed officials, teachers and parents will also be assessed.

Registration is underway in the main lobby of the Kellogg Center for Continuing Education. Many courses are open to students and their spouses at a reduced fee. For further information, contact the Evening College, 19 Kellogg Center, 355-4562.

A full listing of courses follows:

MONDAYS — Advanced Investments and Securities, The Blood Royal, French Conversation II, German Conversation I, Great Films of Bergman, Indoor Plants and Flowers, Laboratory in

Reading and Learning Skills for Adults;

Physical Fitness for Women, Piano for Adults, Rapid Reading, Religious Reformation, Spanish Conversation II, Tailoring, Ten Years that Shook the World, The Third Reich and Wilderness Survival.

TUESDAYS — Antique Art Glass, Archeology of Greece, Class Voice, Communist China — The Making of a New Society and a New Man, Creative Writing Workshop, Dialects in America.

Flower Arrangement, Basic Folk Guitar, Human Reproduction — Now and in the Future, Interior Design, Organizational Life Styles, Physical Fitness for Women, Rapid Reading, Yoga Exercises.

WEDNESDAYS — The American Presidency in Crisis, Boatbuilding, The Ferment in American Education, Language and the Brain, Modern Poetry and Society, Interviewing — Basic Techniques.

Neuromuscular Relaxation; Naturalism, Science and Verse; Off-Loom Weaving; Planning Your Trip Abroad; What Every Supervisor Must Know, Writing Techniques for Business and the Professions.

THURSDAYS — African Instrumental Music, The American University, The Cultural Heritage of Hindu

India, Human Relations and Management, Pairing — Establishing Intimate Relationships.

Sensitivity to Young Children, Winter Sky — Watching, Women — Progress in Self Discovery II and Yoga Exercises.

FRIDAY — SATURDAY — Weekend Seminar in Creative Problem Solving

SATURDAYS — Dance Therapy; Field Natural Science — Winter; Water Babies.

SUNDAYS — Basic and Intermediate Jazz — Tap, Soft Shoe Dancing.

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\*30 minute warm-ups prior to games on separate rinks

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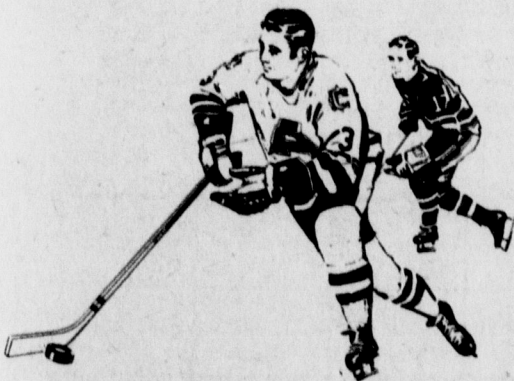
\*Jerseys & Referee supplied

\*Trophies for champions and runners-up

\*4 or 6 teams in playoffs March 9 - 10

\*Individuals & teams welcome

\*Cost is \$18.00 per player on an 11 man roster. Teams with more than 11 players pay no more than \$198.00



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NO. WORDS	1	3	5	10
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BICYCLE STORE manager  
position opening soon.  
Interviewing now. Full time,  
much responsibility, profit  
sharing. Send resumes to Box  
A-1, Michigan State News. 4-1-9

PART TIME - office manager.  
Typing, stencils, mimeo,  
supervise volunteers. 424-5385.  
5-1-14

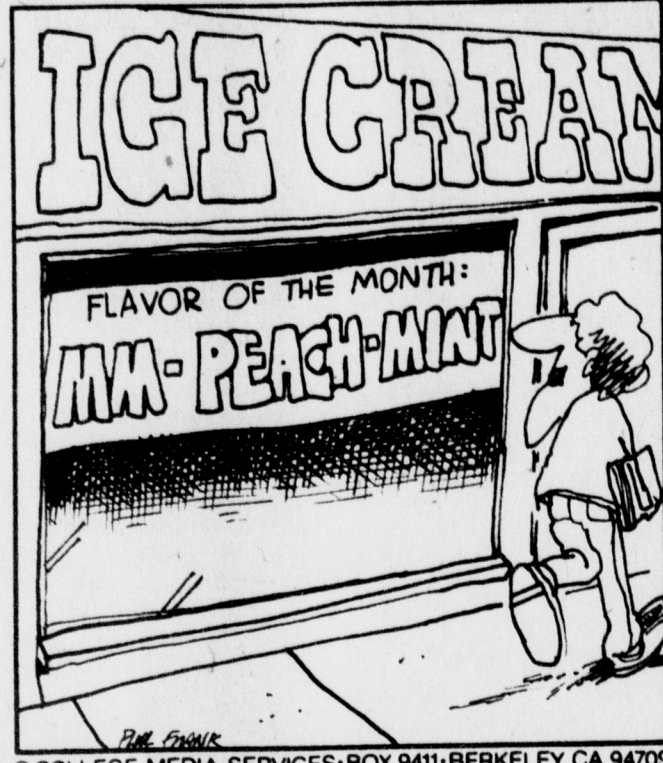
**WANTED:**  
STUDENTS  
INTERESTED IN  
PARTICIPATING AS  
SUBJECTS IN  
MOTIVATIONAL  
RESEARCH

**EARN GOOD MONEY  
FOR A FEW HOURS  
OF YOUR TIME**  
\*\*\*\*\*  
IF INTERESTED CALL  
353-4624  
10:30 a.m. - 5:30 p.m.

HELP A teenage boy become self-  
supporting. Need temporary  
foster homes (14 weeks) for 16-  
year old boys employed in  
training program in Lansing.  
Well paid foster care. Call  
FAMILY & CHILD SERVICES,  
Mrs. Press, 484-4455. 3-1-10

BABYSITTER in my home. Male  
or female. Own transportation  
or use bus. Monday, Wednesday  
afternoons, Thursday night.  
Phone 349-3083 5-1-10

FRANKLY SPEAKING... by phil frank



© COLLEGE MEDIA SERVICES BOX 9411-BERKELEY, CA 94709

Employment

MASSAGES NEEDED to do body  
rubs at health spa.  
Appointments for interview. Call  
372-0567 between 12 - 6 p.m.  
0-1-31

TELEPHONE MARKETING. Full  
time - part time. \$2.25 per hour  
plus bonus. 394-1102. C-1-31

PIZZA DELIVERYMEN nights,  
full or part time. Must own good  
running insured car. Hourly rates  
and mileage paid. Apply after  
4:30 p.m. 203 M.A.C. Avenue.  
3-1-10

DRIVERS FULL and part time.  
Apply VARSITY CAB  
COMPANY, 122 Woodmere,  
side door. 3-1-10

WEEKEND HELP for Pizza makers.  
Apply after 4:30 p.m. 203  
M.A.C. 3-1-10

J'S CHALET RESTAURANT  
INTERESTED in employing  
attractive waitresses for days or  
nights. 1515 Center Street, Lansing.  
Call 484-9431, 8 - 5 p.m. Ask for  
Mr. Goff. 5-1-14

BABYSITTER - MONDAY  
through Friday, 7 a.m. - 1 p.m. 3  
children, my home. \$35 weekly.  
349-0703. 5-1-14

NEEDED: Part time bookkeeper  
with accounting background.  
For information phone  
DOOLEY'S RESTAURANT,  
351-9000. 5-1-14

BABYSITTER - TUESDAY  
and Thursday, 10 a.m. - 1 p.m. with  
own transportation. Near bus  
routes. 351-5093. 3-1-10

DELIVERY HELP wanted: Must  
be 18, have own car, knowledge  
of delivery area, and good  
driving record. Apply in person,  
MR. MIKE'S, 3700 South  
Waverly, Lansing, or 515 West  
Grand River, East Lansing.  
11-1-18

COUNTER HELP WANTED: Must  
be 18, neat and personable.  
Apply in person, MR. MIKE'S,  
3700 South Waverly, Lansing, or  
515 West Grand River, East  
Lansing. 11-1-18

BACHELOR FATHER  
NEEDS ASSISTANCE  
Weekdays 3 - 5:30 p.m. Supervision  
of 11-year old son, dinner  
preparation, evening supervision  
one or two days/week. \$125 -  
\$150/ month. Before 5 p.m.  
373-8264, evenings, 351-1636.  
3-1-8

CUTCO NEEDS 4 part-time men.  
Call 489-3494 for interview.  
CUTCO DIVISION OF  
WEAREVER. 0-1-31

WAITRESSES NEEDED - Part  
time positions available. Apply  
in person, 222 Seymour. THE  
DOME ROOM. OR-1-24

FULL TIME and part time, car  
washer/hiker to clean up cars  
and trucks. Good driving record.  
Prefer 21 years or older. Call  
489-1484. 5-1-10

WANTED For Ski shop work.  
Must be mechanically inclined,  
experience preferred. Come in  
person, MC SPORTING  
GOODS, 5002 West Saginaw,  
Lansing. 4-1-9

MALE STUDENT for outside sales.  
Must have car. State News  
Classified Department. Some  
hours daily. 345 Student  
Services Building. Apply in  
person only. 5-3-18

NEVER BEFORE  
Part time, choose your own  
working hours. Average \$50 - \$75/  
week. Work from appointment  
only. Mr. Murphy. 351-1560  
5-1-10

"TRAVEL 'ROUND THE WORLD  
ON FOREIGN SHIPS." Men and  
women, good pay, no  
experience. Summer or year-  
round employment. Sail from  
Great Lake ports. Send stamped,  
self-addressed envelope.  
MACEDON INTERNATIONAL,  
Box 224, Irvington, New Jersey,  
07111. 4-1-9

Employment

DESK CLERK needed to run  
health spa. For appointment,  
for interview, call 372-0567  
between 12 - 6 p.m. 0-10-17

IMMEDIATE OPENING for part  
time cook or busboy in sorority  
house. 332-8835. 3-1-8

ELECTRONIC TECHNICIAN.  
Must be experienced in TV and  
some stereo. Apply in person at  
THE STEREO SHOPPE, 543  
East Grand River, East Lansing.  
C-5-10

INSIDE AND delivery help wanted.  
For delivery, must have own car.  
Pay and gas allowance. LITTLE  
CAESARS. 373-1636. 5-1-11

PART TIME positions for MSU  
students. Excellent salary level  
and meaningful business  
experience. Automobile  
required. 351-5800. C-3-1-8

For Rent

COMPACT REFRIGERATOR  
RENTALS. Best rates and  
selection now. UNITED  
RENT-ALL, 2790 East Grand  
River. 351-5652. 6-1-11

TV AND STEREO rentals \$24/  
term; \$9.95 month. Free same  
day delivery and service. Call  
NEJAC, 337-1300. C-1-31

PARKING ONE block from  
campus. Private, paved, lighted  
lot. \$12/ month. 349-9609 or  
349-4842. OR-1-10

REFRIGERATORS,  
DISHWASHERS, ESCHTRUTH  
APPLIANCES, 315 South  
Bridge, Grand Ledge. 627-2191.  
5-1-10

REFRIGERATORS  
RENT THEM AT AC&E RENTAL,  
1790 Grand River, Okemos. Phone  
349-2220. \$6 per month. Deposit  
refunded on return. 5-1-10

Apartments

GIRL WANTED. Two man -  
close to campus. Winter - spring.  
351-0336. 3-1-8

NEED ONE girl for Big - 4 - Man  
Americana immediately.  
355-1938. 3-1-8

ONE AND two bedrooms,  
unfurnished apartments, stove  
and refrigerator, all utilities paid.  
Neat and Clean. Recently  
remodeled. Students welcome.  
Sorry no children. Call  
HERRIMAN REAL ESTATE.  
371-4158. 5-1-10

ONE GIRL, over 22, for two man  
apartment. Own bedroom,  
Capitol Villa. 351-0357. 5-1-10

EAST MICHIGAN - One bedroom  
upper, near bus line, limited  
parking, heat paid, \$140. Phone  
484-4960. 3-1-8

ONE GIRL to share huge one  
bedroom furnished apartment.  
\$92.50/ month. Call collect  
1-313-852-0153, after 5. 5-1-10

ONE/TWO female roommates.  
\$90/\$60 - furnished, close,  
parking. 332-0312. 3-1-8

FURNISHED APARTMENT  
sublet. Own bedroom, ample  
parking. 10 minute walk from  
campus. Chalet Apartments.  
\$120/month. Home 332-4537,  
office 373-1373 ask for Joe Dell.  
5-1-10

TWO UPPER classmen, double  
room in apartment, share with  
two other students. Quiet,  
laundry, near campus. After 6  
p.m. and weekends, 349-3328.  
11-1-18

MAN - 4-MAN Campus Hill,  
\$66.25/month. Phone 353-0614,  
349-0995. 5-1-10

GRADS AND VET - Share  
apartment near campus. Quiet,  
laundry. After 6 p.m. and  
weekends, 349-3328. 11-1-18

Apartments

RESIDENT MANAGERS -  
Efficient couple needed for  
complex of cute cottages. Four  
blocks from campus. 655-1022  
evenings. 3-1-8

GIRL NEEDED for 3-man,  
Riverhouse, Winter/ spring. Call  
332-3623. 1-1-18

TWO BEDROOMS luxury, lovely  
setting, dishwasher, air  
conditioning. Convenient to  
campus. \$195/ month.  
393-1283. 7-1-16

ONE GIRL to sublet at Eden Roc.  
\$77.50/ month. 351-3615.  
5-1-14

GIRL NEEDED winter and spring.  
Sublease, Twyckingham. Call  
351-3270. 5-1-14

ONE NEEDED for 4-man spring  
term. Cedar Village. 351-3651.  
3-1-10

TWO BEDROOM, furnished Mobile  
Homes. \$25 - \$35/ week. Ten  
minutes to campus. Quiet and  
peaceful on a lake. 641-6601.  
OR-1-31

Campus View Apartments

Supervised housing has  
openings for Sophomore  
women. Located across  
from Williams Hall.

Phone 332-6246

MAN NEEDED for 4-man, Cedar  
Village apartments. Mike,  
332-0256. 3-1-8

LOGAN ARMS Apartment -  
Southwest side of Lansing. Ideal  
for married couples or graduate  
students. From \$155. Resident  
manager 393-7863, or call the  
WALTER NELLER COMPANY,  
489-6561. 5-1-10

PENNSYLVANIA AVENUE  
North: Furnished studio.  
Utilities paid, parking, \$120/  
month plus deposit. 627-5454.  
5-1-10

LIBERAL MALE needed by same  
for 2 man, close to campus.  
Write Box 31 East Lansing.  
B-3-1-8

STUDIO APARTMENT, 2726 West  
Holt Road. \$100/ month, \$100  
security deposit. Adults only, no  
pets. Utilities paid. Call  
332-5966. 2-1-9

NEED GIRL to sublease  
Twyckingham apartment  
immediately. Call 332-5245.  
4-1-10

MSU AREA, Okemos, one and two  
bedrooms. Unfurnished, air  
conditioned, carpeted, modern,  
\$145 and \$165/ month. Heat  
included. 349-2174. 5-1-11

TWO BEDROOM unfurnished  
apartment. Stove, refrigerator,  
\$145. All utilities paid. Married  
couples only. 489-5593. 4-1-10

AIRPORT AREA - girls  
immediately to share luxury  
apartment. Clean, reliable and  
like dogs. \$92.50/ month for  
one girl, \$62/ month each for  
two girls, utilities included.  
371-2069. 3-1-8

MASON - ONE bedroom -  
spacious, carpeted, quiet, all  
utilities paid. 15 minutes to  
campus. No pets or children.  
676-1427 after 6 p.m. 3-1-8

1-2 MEN FOR 4-man. Luxurious,  
inexpensive



Large  
CARP  
3-1-1  
South Fairview  
our students  
nt conditions  
storage space  
5-498, 5-110  
for student  
n, redecorated  
n 1 1/2 acres  
HIMAN REAL  
5-110  
room cottage  
lease. Married  
appointment  
8  
for house  
Own room,  
on. Parking  
1-18  
me for couple  
month. Call  
3 p.m. 4-114  
comfortable  
refrigerator  
osit, no pets  
house, Lake  
plus utilities  
own room in  
MSU. One  
use, \$77.50  
USE. Sublet  
II 372-4840  
One bedroom  
\$170, large  
3-18  
use two blocks  
405 Charles  
plex - 2 large  
furnitures  
nt. Finished  
4 miles south  
plus utilities  
pets. 882-876  
orse boarding  
NSING. Four  
stove and  
882-4353  
in exchange for  
duties, some  
31, 351-2253  
OM in house  
seconds from  
31 351-3645  
for modern  
house, private  
month. Share  
or 484-1955  
comfortable  
household  
-19  
in Haslett new  
privileges, \$80  
3-19  
Male, student,  
parking  
791-319  
roommate for  
room for room  
0844, 3-110  
own room, \$55  
outh Foster

Rooms

SINGLE ROOM, \$60/month, three blocks to campus. Quiet. 332-8498, 3-1-8

CLOSE - UNIQUE attic room. 351-8154, 6-1-11

ROOM FOR male student, across from Union. 211 1/2 Grand River, upstairs, \$48 per month. 5-1-10

LARGE ROOM in home, women, private bath, kitchen privileges, parking. Price adjustable. 351-6037, X3-1-9

GIRLS SINGLE rooms - 3 blocks from Union. 351-5076 after 4 p.m. and week - ends. 6-1-14

FURNISHED ROOM for housekeeper. Furnished, Kitchen privileges. Close. 484-9774, 0-1-31

RESPONSIBLE MALE to share ranch in country with two male students. \$80/ month. 689-5744, 5-1-10

FURNISHED ROOM, (couple with infant) fireplace, color TV, washer/dryer, reduced rent for babysitting or reciprocal babysitting. 351-9450, 4-1-9

SORORITY ROOM with board for female. Close to campus. 332-8935, 3-1-8

NEED ONE or two for double room. House privileges, close, quiet. Call 337-7438, 4-1-11

GUITAR AND BASS speakers all with SRO speakers. Will deal Call after 12:00, 372-5273, 10-1-8

OPEN 9-5:30 daily. Closed Saturday. OPTICAL DISCOUNT, 2615 East Michigan, Lansing, C-1-11

DELICIOUS ORANGES and grapefruit fresh from Florida. Order by Thursday, 6 p.m. 485-0783, 372-6882, 3-1-9

MIRACORD 770H TURNTABLE. Shure V-15 type 2 cartridge. \$325 net, asking \$175 or best offer. 351-0631, 3-1-9

HEAD SKIS - 190 cm. Lange boots 8 1/2 - wide; Salomon bindings - \$100. Call Larry 332-6599 or 371-3412, 3-1-9

FORD VAN E - 200 1972. Automatic, 302 - V - 8, power brakes. New tires, sliding side door. \$2500. 485-7711, 3-1-8

HARMONY ELECTRIC guitar - amplifier. Two 12" speakers, foot switch. 355-8838, 4-1-11

ABSOLUTELY AT cost sale, including all head items, (pipes, papers, and posters at 50¢) as well as our regular stock of antiques, books, jewelry, and more. Look for our handbill for a complete listing. Visit THE DAY BEFORE FOREVER, 107 North Cedar in Lansing today. Buses stop at our corner, parking available on Michigan Avenue. Sale now on, 11 - 5:30 daily through January 12, 5-1-10

TOP QUALITY USED MERCHANDISE. Kenwood KR33 stereo receiver, Fisher 120 receiver, EV9A speakers, Sony 3520 tape deck, 8 - track tape deck, LP's 50¢ each. Head phones. Over 20 car tape players. Camera equipment. Selection of top quality guitars and amplifiers. Portable color and black and white TVs. Good selection of used leather coats. We buy, sell and trade. Mastercharge and Bank Americard. DICKER & DEAL, SECONDHAND STORE - 1701 South Cedar, Lansing, Phone 487-3886, C-6-1-11

WATERBED, QUEEN size, frame/stand, No heater, \$100. 353-0614, 349-0995, 3-1-10

SEWING MACHINE Clearance Sale! Brand new portables, \$49.95. \$5 per month. Large selection of reconditioned used machines. Singers, Whites, Necchi's, New Home and "many others." \$19.95 to \$39.95. Terms: E. EDWARDS DISTRIBUTING COMPANY, 115 North Washington, 489-6448, C-3-1-10

SNOWTIES 5.60 x 15 for VW. Like new. \$30, 694-6351 after 6 p.m. 5-1-14

For Sale

AKAI 1731D and Sony TC 355 reel - to - reels. Sony TA 1010 and Sansui AU - 555 amps. BSR 310 and Gerrard 728 turntables. Realistic OPT - 1 and Hitachi speakers. Cannon, Nikkon, Minolta cameras and lenses and other accessories. Large selection of portable color, and black and white T.V.'s. Portable typewriters, \$15 up. Tapestry, car 8 - track units. Guitars, folk, classical, electric, most makes. Any musical needs call WILCOX SECONDHAND STORE, 509 East Michigan Avenue, 485-4391, C-5-1-10

THREE PIECE recreational - office lounge seating. Trundle bed. 351-8800, 351-0443, 3-1-8

ANTIQUES & UNIQUES. Buy and sell. 220 Albert Street, under Lums. C-4-1-11

BICYCLES - ALL Ten Speeds! Various colors and sizes, simplex - de - railer, center-pull brakes high quality at dealer's cost. Forced warehouse sale, 9 - 4:30 p.m. Monday - Friday, 8 a.m. - 12 p.m. Saturday, D & C STORAGE, 1241 Roth Drive, South Cedar at I-96, 694-3311, 0-2-1-9

GUNS, RIFLES, and handguns of all kinds. Buy, trade and sell. BEST year 'round prices in Southern Michigan, BOB'S GUN SHOP, 2412 South Cedar, Call 371-2244, OR-1-31

SKIS - STANDARD, by Head, Large boots, 8 narrow, poles. 663-8066, 6-1-11

DUAL 1215 TURNTABLE, Kenwood KA 4000 amp, Sansui TU666 Toner. 337-2301, 3-1-9

STEREO. SANYO Quadrophonic four months old. Warranty. AM/FM. Affordable. After 6 p.m. 351-1863, 3-1-10

GOYA CLASSICAL guitar and case. Beautiful tone, excellent condition. \$90. 351-3866, 3-1-10

Sound equipment; drum set, cases. U-Haul built trailer. 351-8900 / 351-0443, 3-1-8

Mobile Homes

TWO HORSES - Must sell. One jumper mare, one 6-year old 1/2 Morgan gelding. 337-7776, 5-1-10

POODLES - ADORABLE male puppies, champagne beige, excellent disposition, AKC, 8 weeks old. 489-9774, 3-1-9

FREE. BLACK and brown puppy, part German Shepherd. Call 353-1500, 3-1-10

LABRADOR RETRIEVER. Two months. Good disposition. Wormed. Call 351-0100. Ask for Robin. 5-1-14

\$65 AND up. Siberian Huskies Blue-eyed male. Stud service Ovariohorns. 332-4984, 655-3632, 5-1-8

MINIATURE SCHNAUZER puppies - Jean - a - win has adorable babies, orders taken now. Temperament and health guaranteed. We wish the fanciers a happy and prosperous new year. 339-8707, 5-1-8

HORSES BOARDED - \$35/month. Includes boxed stalls. Hay and grain daily. Riding range and trails, 4 miles south of MSU. Also horse trailer for rent. \$10/ day. 882-8779 or 882-7410, 5-1-14

Mobile Homes

ONE MILE / MSU. 12 x 60. 1967 Champion. Good condition, partially furnished. 200 gallon oil tank, 2 sheds. \$3400. Call 351-1876, 3-1-8

FURNISHED TRI - LEVEL, two bedrooms, combination washer/dryer, skirting, covered patio, utility shed, \$5500. Phone 372-2325 weekdays or 393-6607 after 6 and weekends, 5-1-10

MARLETTE 1970, 12' x 68' with expando. Two bedrooms, 1 1/2 baths, carpeted, central air, disposal, GE washer and dryer, with toolshed. 393-8929, 3-1-10

Mobile Homes

GREAT BUY! 1971, 12 x 44 Rembrandt - Two bedrooms, partially furnished, very nice condition, shed and skirting. Take over \$70/ month or \$3200.00, 482-6817 after 4 p.m. 3-1-8

10' x 50' NEW MOON, excellent condition, furnished, carpeted, \$1800 or best offer. 484-5055, W-5-1-11

Real Estate

SEE NOW! Lansing-Miller area. Most attractive, 1 1/2 story. Pleasant 1/2 acre, \$4,500 down. Land contract. Only \$20,500, partly furnished. 663-8418, 3-1-8

DUPLEX BRICK 2 large bedrooms each side garage, basement 3 blocks from campus \$44,500. 332-1600, 10-1-8

Service

FOR THE BEST service on stereo equipment see the STEREO SHOPPE, 543 East Grand River. C-1-31

LICENSED CHILD care in my East Lansing home. Close - campus. 351-9219, 5-1-11

HEATING REPAIR service. Gas, oil, air, water. Reasonable rates, 15 years experience. Call Del. 482-5877. Bank Americard. 5-1-11

NATURAL PORTRAITS - Creative weddings state-wide, passports, LUKE PHOTOGRAPHY, 351-6690, C-1-1-21

LYNN-STAR originals. Personalized stationery, wedding invitations, birth announcements. Discount prices. Call 351-5011, 4-1-11

Instructions

HORSE RIDING lessons. Western, English, jumping and beginning dressage. Also boarding available. Call Thomas Ranch, 651-5478, 6-1-11

SINGING LESSONS for fun and improvement. Call Phyllis at 337-9743. Leave message. 3-1-10

GUITAR, FLUTE, Banjo and drum lessons. Private instruction available. MARSHALL MUSIC, 351-7830, C-1-1-8

GUITAR LESSONS in your home by experienced teacher, 372-8064 or 332-6330, 4-1-10

Typing Service

PROFESSIONAL IBM dissertation typing. MA English degree. MARTY NORTH, 351-3487, C-1-31

THESIS, TERM papers done by experienced typist. Both pica and elite spacing. Call Nita, 489-3569, 5-1-10

TYPING DONE in my home. Theses, book reports, themes. 694-9074, 5-1-11

THESES, RESUMES, typing and printing. Reasonable prices. COMMERCIAL PRINTING, 337-0712, C-1-31

ANN BROWN typing and multilith offset printing. Complete service for dissertations, theses, manuscripts, general typing. IBM - 24 years experience. 349-0850, C-1-31

PROFESSIONAL IBM typing (Pica - Elite). 11 years experience. SANDI, 339-8934, C-1-31

EXPERIENCED IBM typing. Dissertations, (Pica-Elite). FAYANN, 489-0358, C-1-31

COMPLETE THESES Service. Discount printing. IBM typing and binding of theses, resumes, publications. Across from campus, corner M.A.C. and Grand River, below Jones Stationery Shop. Call COPYGRAPH SERVICES, 337-1666, C-1-31

Wanted

ATTENTION: ARTISTS and craftsmen. Wanted, all artistic items including toys, clothes, and men's items for retail gift shop. CHARLOTTE'S WEB in Williamston. Call Mrs. Keller daytime 655-1277, evenings, 349-2295, 6-1-11

DON'T FORGET Blood comes only from people. Professional donors compensated. MICHIGAN COMMUNITY BLOOD CENTER, 337-7183. Hours: Monday, Thursday, and Friday, 9 - 4:30 p.m.; Tuesday and Wednesday, 12 - 6:30 p.m. C-1-31

MALE NEEDS comfortable, furnished apartment/ house to share with conscientious male/ female. \$110. maximum. 337-0420, 7-1-16

WANTED: TWO Dylan tickets - Ann Arbor. Call after 5 p.m., 489-6663, 5-1-11

Lost & Found

FIND SOMETHING If you've found a pet or article of value, we want to help you return it. Just come into the State News Classified Department and tell us you want to place an ad in EAST LANSING STATE BANK'S found column. As a public service EAST LANSING STATE BANK will run the ad at no cost to you! EAST LANSING STATE BANK C-1-31

LOST DURING Finals week: six month old black and silver German shepherd, Gunson area. Reward. 332-1472, 3-1-10

LOST: MAN'S Gold wedding band, inscription R.I. to G.H. 6-16-73. Reward. 288-4533, 3-1-10

LOST FRIDAY at Hockey game. Long brown wool scarf. Call 335-1680 or 335-4042, 4-1-11

LOST: WHITE puppy, "Linda," Near campus, 355-0200 before 5 p.m., 353-3571 after. Barb, 3-1-9

LOST: IRISH setter - 9 months old, crooked tip at end of tail. 332-6844, 5-1-11

LOST: FEMALE Old English Sheepdog, 3 months old, in Snyder area. White front, black rear, black left ear. Reward. 882-3268 or 351-8447, 4-1-9

LOST: BLACK and white collie. Male, wearing choke chain. Call 351-4663, 3-1-8

LOST: OLD English Sheepdog, Sunday, Albert Street vicinity. Call 332-3417, 2-1-9

LOST: DECEMBER 4, gold Labrador Retriever wearing flea collar. 332-4405, 5-1-11

LOST: BROWN female puppy near Gunson and Grand River. "Dashka." Reward. 332-6911, 5-1-10

LOST: MALE kitten - in Flower District, beige, Red and White collar. 337-9294, 2-1-8

Personal

WATERBED FACTORY. Custom made waterbeds to your size. LIQUI-DYNE PRODUCTS, 1409 Haslett Road. Haslett. 339-9607, 10-1-17

WEIGHT REDUCTION Info, meetings today and each Mon. - Fri. thru Jan. 11, at 3:30 p.m.; Rm. 253 Student Svc.'s. Dr. Gordon Williams 355-8270

TV and STEREO rentals, \$24/term, \$9.95 month. Free same day delivery and service. Call NEJAC, 337-1300, C-1-17

PLEASE PICK up your 1973 WOLVERINE Yearbooks by Friday, January 11 at 5:00 p.m. Room 30, Student Services. 5-1-11

ACCESS CENTER for Human Reproduction Health offers

Abortion-Contraception Services 1226 East Michigan Lansing 485-3271

MSU COOPERATIVE Nursery has openings now for three and four year olds. Contact Sue LeDuc, 349-4079, or Judy Hood, 349-2968, 5-1-14

MEDICAL STUDENTS - special discount. Close by, ALTA SURGICAL SUPPLY, 1717 East Michigan, 489-1404, 5-1-10

PREGNANT? We understand. Call us. PREGNANCY COUNSELING, 372-1560, OR-1-31

FREE... A lesson in complexion care. Call 485-7197 Lansing Mall or 484-4519, East Michigan. MERLE NORMAN COSMETIC STUDIOS, C-3-1-10

Real Estate

7% INTEREST. Assume \$20,000 mortgage, two miles from campus, 217 South Holmes. Aluminum siding, two car garage, three bedrooms, fireplace, 30' deck off master bedroom, third floor, three compartment basement, total \$26,000. Call 484-5028 after 5:30, 3-1-8

MASON-HOLT Road. Over 4 acres with mature shade and nice pond for skating, 5 bedrooms, 20 x 22 family room off large, pleasant kitchen, 2 1/2 baths, formal dining room, and formal living room, also large fireplace. For sale by owner. Will handle land contract. Priced at \$53,900. Call 676-1207, 5-1-11

Car Pool

DRIVING, HASLETT, to Fee Hall. Leaving 7:30 a.m. returning 5 p.m. 339-8483 after 6 p.m. 353-9110 8 a.m. - 5 p.m. 3-1-8

RIDING, LAKE Lansing and Marsh Road to MSU. Leaving 7:30 a.m., returning 12:30 p.m. 339-2662 evenings, 3-1-10

RIDING, HASLETT to Ag Hall. Leaving 7:30 a.m., returning 5 p.m. 355-6580 8.5, 3-1-10

DRIVING, EAGLE & I-96 to MSU. Leaving 7:15 a.m., returning 5 p.m. 626-6672 after 6 p.m. 3-1-10

SHARE DRIVING, Haslett to MSU. Leaving 9:30 a.m. returning 3 p.m. 339-9747, 3-5 p.m. 3-1-10

SHARE DRIVING, Pennsylvania/ Saginaw, Lansing to MSU. Leaving 7:30 a.m. returning variable. 485-3794 evenings, 3-1-10

DRIVING, HOLT to campus. Leaving 7:30 a.m. returning 4:30 - 5:30 p.m. 694-9598 after 6 p.m. 3-1-10

SHARE DRIVING, Okemos Road to Manly Miles Building - Leaving 7:45 a.m. returning 4:30 p.m. 373-6850 8 a.m. - 5 p.m. 3-1-8

SHARE DRIVING: North Pennsylvania to MSU. Leaving 8:10 a.m. returning 4 - 5 p.m. 484-7086 after 5 p.m. 3-1-8

SHARE DRIVING from Mason to East Lansing. Leave 8 - 8:30 a.m., return 5:30 p.m. 677-0205 after 5:30 p.m. X3-1-10

DRIVING: ST. JOHNS to Lansing, MSU. Leaving 8 a.m. returning 4 p.m. 353-7732 1:30 - 3 p.m. 3-1-10

SHARE DRIVING: Lansing - MSU to Ann Arbor. Leaving 9 a.m. returning 6 p.m. 484-7879 evenings, 3-1-10

DRIVING: OKEMOS to MSU. Leaving 7:45 a.m. returning 5 p.m. 353-7175 8 a.m. - 5 p.m. 3-1-10

DRIVING: 4 miles south / Holt to MSU. Leaving 7:15 a.m. returning 5 p.m. 677-0926 after 6 p.m. 3-1-10

RIDE: EAST Lansing to Durand. Leaving 5 p.m. Tuesday/ Thursday. 355-7604 after 9 a.m. Tuesday - Thursday, 3-1-10

SHARE DRIVING, West Mount Hope to Computer Lot Y. Leaving 7 a.m., returning 12:45 p.m. 372-6871, 5-10 p.m. 3-1-10

SHARE DRIVING: Durand to MSU. Leaving 7 a.m., returning 5 p.m. 288-4533 after 5 p.m. 3-1-10

SHARE DRIVING, Perry Brookview to MSU Leaving 7:15 a.m. returning 5 p.m. 625-7198 evenings / weekends, 3-1-8

SHARE DRIVING, Holt to East Lansing. Leaving 7:30 a.m. returning 5 p.m. 694-8098 after 5:30 p.m. 3-1-10

SHARE DRIVING, Chestnut, Lansing to MSU. Leaving 9 a.m., returning 3:30 p.m. 484-6314 after 4 p.m. 3-1-10

RIDING, SANDHILL/ Hagadorn to Natural Resources Building. Leaving 7:30 - 7:45 a.m. returning 5 p.m. 337-7869 after 5:30 p.m. 3-1-10

DRIVING: JACKSON to MSU. Leaving 8 a.m., returning 12 p.m. 782-8888 evenings and weekends, 3-1-10

SHARE DRIVING, Corunna to MSU. Leaving 9:20 a.m. returning 5 p.m. 743-4141 after 8 p.m. 3-1-10

DRIVING, UNIVERSITY Village to Fowlerville. Leaving 6:15, returning 5:30 p.m. 355-5885, 3-1-10

RIDING, SOUTH Lansing to Brody Hall - Leaving 8 a.m. returning 5 p.m. 393-6627 after 6 p.m. 3-1-8

DRIVING, OKEMOS to MSU. Leaving 8:40 a.m. returning 3 p.m. 353-3789 9 a.m. - 3 p.m. 3-1-8

RIDING, CHANDLER Road, Bath to Kedzie Hall. Leaving 7:40 a.m. returning 9:30 p.m. 349-3730 10 a.m. - 5 p.m. 3-1-10

SHARE DRIVING, North Zimmer, Williamston to MSU. Leaving 7:30 a.m. returning 5 p.m. 353-6654 8 a.m. - 1 p.m. 2-5 p.m. 3-1-8

DRIVING: FLINT - MSU - Leaving 7 a.m., returning 6 p.m. 1-313-694-8871 after 6 p.m. 3-1-10

SHARE DRIVING, Grand Rapids to MSU. Leaving 6:30 a.m. - returning 5 p.m. Call 616-877-4490, 3-1-10

SHARE DRIVING from Grand Rapids to MSU. Leaving 6:15 a.m., returning 5:00 p.m. Phone 616-454-5852 after 6 p.m. 3-1-9

# Daylight time casts area in darkness

The morning came, but no day. The MSU campus lay like a medieval moor as students stole quietly through the white shrouded darkness to early classes Monday morning on the first work day of daylight saving time.

The lights of campus buildings shone dimly through the mild snowstorm which held the campus in total darkness until a few minutes before the belated sunrise at 9:08 a.m.

Most students were mildly disdainful or indifferent about the time change, but many area residents expressed fear for school children going to school in total darkness.

"There's going to be hell to pay if a small child is hit by a car during the morning rush hour,"

Frank Rutledge, theater department chairman, said.

Some students here were angry about the new imposition on their daily lives and dubious about the rationale for the program.

"It's really junky to walk to class in the pitch black," said Sue James, 619 Grove St.

A large minority of students and faculty questioned said they preferred daylight saving time at any time of the year.

"It's good for me," said Earl Harvey, of 5646 N. Campbell, a graduate student. "Now you can get more done in the day."

No serious accidents were reported during the morning rush hour by East Lansing or campus police.

# Body of doctoral student discovered in hall room

An MSU student, John A. Ormand II, was found dead in his Williams Hall room late Sunday afternoon.

Ormand, 26, 314 N. Williams Hall, was found dead by an adviser and two students after residents noticed an odor which had been growing stronger and was unable to get a response from inside the room. The adviser entered the room and discovered the body.

Campus police officers removed the body, and an autopsy was performed. However, the cause of death had not been established by the medical examiner's office late Monday afternoon, and police would not speculate.

It was evident from the scene and the condition of the body that Ormand had been dead for several days, police said.

Investigation into the death was continuing.

Ormand had not been seen since the latter part of last week, but no one had noticed that he was missing, Richard Zollinger, head adviser in Williams Hall, said Monday. Ormand did not have a roommate.

Ormand had been a resident of Williams Hall for over two years, Zollinger said. The doctoral student in education was well known and liked by the residents of the hall, Zollinger said.

Another MSU student, Nicholas DiSante, 21, was found dead in his room at an East Lansing rooming house Nov. 12. A medical report indicated DiSante died from an overdose of aspirin.

# Oil shortage

(Continued from page 1)

sought a hearing in connection with their fight against Phase 4 price controls.

Under regulations issued last August by the Cost of Living Council, the ceiling price allowed independent retailers is the cost of gasoline as of Aug. 1, plus the markup in effect on Jan. 10 or 7 cents a gallon, whichever is higher.

In late 1973, an additional one cent a gallon increase was allowed. Meantime, the council is considering a formula based on current supply curtailments.

Outlets owned and operated by oil companies themselves are subject to a different pricing mechanism.

The test case was brought by Murray Anderson, a Texaco station operator in Waycross, Ga., and Joseph J. Grish, who handles Marathon products in Sterling Heights.

"The shah of Iran, in an interview published by the German news magazine Der Spiegel, said, 'The era of cheap oil is past. We must add that the era of exploitation is past.' He predicted that by 1985 his country will be industrialized, enough to sell petroleum in the form of finished petrochemical products rather than as crude oil."

The Netherlands, the only country other than the United States against which the Arabs have declared a total oil embargo, is preparing to begin gasoline rationing Saturday. The system will limit private motorists to fewer than 3 1/2 gallons a week. Close to 3,000 Dutch businesses - mostly garages and service stations - have switched to short - time working hours and a spokesman for the hotel and restaurant trade said about 5,000 more persons are unemployed than are normally out of work at this time of year.

Sen. Vance Hartke, D - Ind., asked the Joint Committee on Internal Revenue Taxation to investigate tax returns of the major oil companies. Hartke asked the panel to estimate the "taxes the oil companies have avoided in new oil price increases, and what the multinational oil corporations have and will receive in tax bonanzas" as a result of special tax breaks.

Millions of children left for school before sunrise as a result of the switch to Daylight Saving Time. There were complaints from worried parents and some reported lateness.





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