

## in the news briefly

### Burge fire

Iowa City firemen answered a call at Burge Hall Wednesday night, but the fire, which was confined to a mattress in one room, was extinguished before they arrived.

The mattress was set ablaze when a cord from an electric lamp in room 2208 shorted out on the metal frame of a bed.

Firemen, who were on the scene for less than 20 minutes, requested that the mattress be removed from the room to prevent the fire from breaking out again.

### Energy power

WASHINGTON (AP) — The House rejected a Republican attempt Wednesday to weaken congressional control over the emergency energy powers requested by President Nixon.

The action came during consideration of a major energy bill that would allow President Nixon to ration gasoline and other scarce fuels.

By a vote of 256 to 152, the House defeated an amendment by Rep. James T. Broyhill, R-N.C., that would have deleted a provision allowing Congress to amend and approve or disapprove any energy conservation plan drawn up by the administration.

### Hall trial

James P. Hayes, who represented murder defendant James W. Hall, withdrew from the case Tuesday so that he can testify at Hall's trial.

Hayes and his law partner, William L. Meardon, who assisted Hayes on the case, were replaced by William M. Tucker of Iowa City.

Hayes requested permission to withdraw last month because he said it may be necessary for him to be a defense witness at the trial.

Judge Harold Vietor ruled that Hayes and Meardon could only continue to represent Hall if the substance of Hayes' testimony went uncontested by the prosecution.

The nature of Hayes' testimony was not made public.

Hall, 20, a part-time University of Iowa student, is accused of the murder of Sara Ann Otens, who was found dead in her dormitory room on March 13.

Hall has pleaded innocent to the charge and is scheduled to face trial on Jan. 7.

### British woes

LONDON (AP) — Britain stretched a state of emergency into a second month Wednesday after a slowdown by 29,000 train engineers intensified industrial unrest and aggravated a deepening energy crisis.

The deteriorating industrial situation — already strained by oil, coal and electricity shortages — brought more pressure on Prime Minister Edward Heath for tough action to prevent a national disaster.

The emergency regulations approved by Queen Elizabeth give the government wide-ranging powers to maintain essential services and supplies. They were first proclaimed Nov. 13 when British miners and key power engineers launched a punishing go-slow campaign.

### Ralston Creek

Initial approval was granted for development of a watershed protection project in Iowa City's Ralston Creek Watershed, the State Soil Conservation Committee said Wednesday.

The approval clears the way for a U.S. Soil Conservation Service study of the Ralston Creek Watershed to develop proposals for flood control measures.

Ralston Creek, which flows through Iowa City, overflows its banks about once every five years, the state department said.

Some of the flood control measures that have been discussed are:

—City acquisition and clearing of land in the Ralston Creek flood plain so the creek can be altered to carry the flood waters.

—Damming the creek upstream to hold back the flood waters.

—Placing a diversion tunnel under Kirkwood Avenue to change the course of the water.

—Enacting a flood plain ordinance to control construction along the creek.

The alternative chosen will depend largely on the results of the study.

### Snow

20s

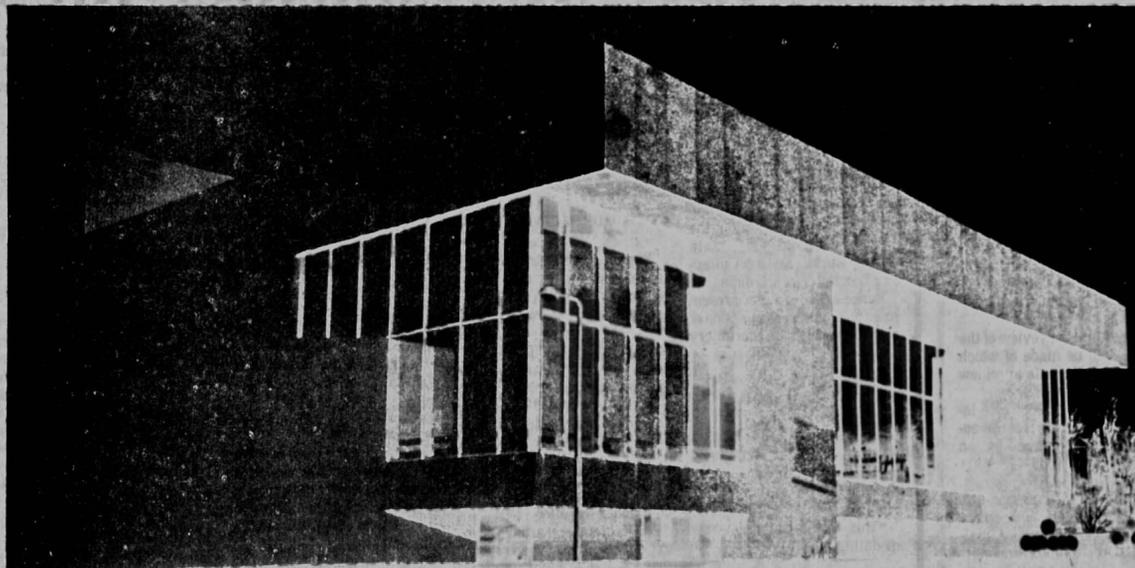


Bart Beaver, sage poet laureate for the DI, gnawed his way through the newsroom door last night to present his annual holiday iambic pentameter. Bart's poem is entitled, "I'm tired of a White House Christmas," and it goes like this:

H.K.'s got his medal,  
Le Duc turned his down,  
Mao's got a smile on his face,  
Nixon's got a frown.

Pat is home still grinning,  
Tricia's winding up,  
Julie's writing silly books,  
David, he's a pup,  
Burma Shave.

Bart also mentioned the possibility of snow, highs in the 20s.



Hancher Auditorium takes on a ghostly air as each angle and line turns into a shadow. Actually, the building was photographed on a sunny afternoon, and printed in reverse to create the nighttime effect. Photo by Jim Trumpp

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## NRS reported 'out of business'

By CHUCK HAWKINS  
Staff Writer

A controversial research organization that has been the subject of an investigation by the state attorney general's office has apparently gone out of business.

National Research Systems, Inc. (NRS), under investigation for possible violation of Iowa's consumer code act, has vacated its office at 114 E. College St., according to Jim Housel of Jackson's China and Gift, also of 114 E. College St. and NRS's landlord.

A sign on NRS's office door states that "National Research Systems will not be taking further orders." An Evanston, Ill., address is given to con-

tact for anyone having "unfinished business."

NRS president, Bruce B. Burke could not be reached for comment concerning the present status of NRS. He has reportedly moved from Iowa City.

In a Nov. 19 ruling, District Court Judge William R. Eads said the attorney general's office could continue its investigation of NRS. NRS lawyer Preston Penney had asked the court to grant a permanent injunction barring the attorney general's office from seeking to obtain lists of NRS employees and customers.

Eads also said a temporary injunction would be used against NRS's operations if Burke failed to turn over

the lists in the case that the attorney general's office were to subpoena them.

Ironically, the apparent NRS closing comes after Burke had complied partially with the request of an attorney general's subpoena.

Assistant Atty. Gen. Hugh Perry said Burke mailed a list of NRS employees "within a couple of days" after the subpoena had been served by a Johnson County deputy sheriff Nov. 26.

Burke had stated in court Nov. 7 that he would close NRS if forced to rather than turn over the list of employees. He also said Nov. 7 that he had destroyed the only existing list of NRS customers, which was also sub-

poenaed.

Penney said Wednesday that he hadn't heard from or seen Burke in over two weeks.

Penney said his last contact with Burke concerned a possible appeal of Eads' Nov. 19 ruling. He said Burke decided at that time not to appeal.

When contacted Wednesday, Perry expressed surprise at the apparent closing of NRS. He said it had not been determined yet whether NRS would be prosecuted for violating the consumer code act. "We were still at the investigative stage," he said.

Concerning the status of the investigation now, Perry said, "If they are in fact out of business, there isn't much point in pursuing it."

Perry said the list of NRS employees contained approximately 10 names. He refused to give them saying, "it would not be proper at this time."

The original action of the attorney general's office against NRS came at the request of UI administration for an investigation following the circulation from NRS of flyers advertising individualized "research papers" for sale.

In making his Nov. 19 ruling, Eads said, "A person need only look at the advertising to see that it is an invitation to visit a house of intellectual prostitution." He also said an NRS paper could give a student a "fraudulent advantage" over other students.

## Shortage still 25 per cent

# Gas production cut only 5 per cent

WASHINGTON (AP) — The Nixon administration proposed Wednesday a five per cent cutback in gasoline production below 1972 levels, then belatedly explained that would really mean a 25 per cent gasoline shortage early next year.

The explanation by John Sawhill, deputy director of the new Federal Energy Office, capped a day of confusion over proposed petroleum allocation regulations and their impact on gasoline supplies.

The office at first issued an incorrect version of the proposed regulations requiring a 25 per cent cut in gasoline production below 1972 levels, then some 10 hours later told newsmen that the production cut would be only five per cent.

Compounding the confusion, however, officials neglected to mention that this cutback in refinery production comes on top of the gasoline shortage caused by the Arab nations' cutoff of crude oil deliveries to the United States.

Sawhill explained in a latenight interview that the two factors add up to this: the nation will get 1.4 million barrels less gasoline daily than it needs, in the first quarter of next year.

And Sawhill said that amounts to about 25 per cent of the demand.

"Does that mean, in simple terms, that we will have 25 per cent less gasoline than we need, as a real shortage?" Sawhill was asked.

"Yes, that is correct," he answered.

The Federal Energy Office issued proposed regulations to allocate crude oil and petroleum products, amounting to a partial fuel rationing system on Wednesday morning.

The regulations included at three different places a specific reduction of gasoline production, 25 per cent below 1972 levels, but that figure, official spokesmen said Wednesday night, was wrong all along.

It was corrected, in a copy sent to the Federal Register for publication, to specify a gasoline production cut of only five per cent below 1972 levels, sources in the energy office said.

But nobody thought of notifying the news media, which were printing and broadcasting the erroneous 25 per cent cutback throughout the nation.

Public reaction to the mistaken announcement could only be guessed, as motorists faced what looked like a horrendous gasoline shortage shaping up at the filling station pump early next year.

The stock market, sliding downward ever since the energy crisis began with the Arab oil cut-off last October, fell sharply again Wednesday, and brokers blamed the new decline on confusion over the extent and impact of the nation's fuel shortages.

The error was not made public and corrected for news media, until a reporter for The New York Times called to ask other questions about

the program.

The reporter, Edward Cowan, said that the official he spoke to mentioned the error in the course of the conversation. "I sure was surprised," Cowan said.

Even then, the energy office did not volunteer the information to other news organizations. Other newsmen calling about the Times' version were informed of the error, which by that time was 10 hours after the first news reports went out.

William E. Simon, director of the energy office, told a newsmen who called him Wednesday night that the erroneous cutback figure was "a silly error."

But Simon said the correct gasoline production cutback, although smaller, was as large as practical and the nation still must save a lot more gasoline through conservation measures and fuel allocations, to meet a serious shortage.

A spokesman for the energy office, Jonathan

Brown, said the correct version of the proposal would call for a limitation on gasoline production to no more than 95 per cent of the 1972 level. That would be a five per cent cutback from 1972 and about 15 per cent short of previously predicted gasoline demand in the first quarter of next year.

With priority bulk-purchasers getting their gasoline first, the cutback could result in somewhat greater shortages at the service station pump.

At the same time, the proposed new regulations would impose at least partial rationing on petroleum fuels, although all-out gasoline rationing continued to be held back as a last-resort decision.

If the proposed regulations are put into effect in their present form, they point to possible hard times ahead: motorists may not be able to fill their tanks; homes and schools would have to lower thermostats six degrees, while office temperatures sink ten degrees; and the nation could

be headed for electrical brownouts or blackouts if heavy fuel oil runs short.

The bad news came in energy czar William E. Simon's 134 page petroleum allocation regulation to control distribution of crude oil and petroleum products right down to the home heater and the service station.

Simon already has legal authority to impose these regulations and unless he changes his mind, they will take effect on Dec. 27.

Simon has promised to decide by the end of December whether to go all the way and impose individual gasoline rationing within the next few months under new legislation now working its way through Congress.

By allocating the other petroleum fuels down to the final users and assigning priorities among them, the proposed regulations would, in effect, impose rationing upon the users of home heating oil, diesel fuel, aviation fuels, and propane and butane gas.

## Pass-fail hours halved by committee to eliminate abuse of grading system

By CHUCK HICKMAN  
Contributing Editor

University of Iowa faculty members voted Wednesday to reduce from 32 to 16 the number of credit hours University of Iowa undergraduate students may take on a pass-fail grading basis.

Acting on a recommendation by the Education Policies Committee (EPC), the faculty vote ended a period of controversy over abuses of the existing system. The motion to restructure pass-fail received overwhelming support from the sparsely attended meeting.

Starting in the fall of 1974, students may opt for pass-fail only in elective courses, after receiving the consent of their academic adviser and course instructor.

No class offered to fill a core requirement will be made available for pass-fail, except in the cases of individual students, to be determined by Liberal Arts Dean Dewey B. Stuit.

However, rhetoric, physical education and remedial mathematics will offer the pass-fail option, after a move to eliminate their eligibility for the plan failed in a close vote.

A proposal to allow academic units to offer seminars and professional training courses to all students enrolled on a satisfactory-fail basis did not gain final approval, after a deadlock developed during a vote on the plan.

Stuit ruled a voice vote had defeated the proposal, but members of the audience demanded a hand ballot be taken on the issue.

Two separate recounts revealed a tie vote, before one faculty member reported that a man who was seated next to him had cast a "no" on the voice ballot, and then had left the meeting.

A third hand count produced a majority in favor of the plan, prompting the group to then send the entire issue back to EPC for reconsideration.

The satisfactory-fail (S-F) scale was specifically requested by the College of Education as a means of grading student teachers.

Opponents of the proposal stated that each department would have authority to designate a class on a S-F grading system thus discouraging other units from doing the same, for fear of forcing students above the 16 credit hour limit on such classes.

John Nothnagle, professor of French, asserted many faculty members would like to avoid giving letter grades to students, and questioned the restrictions placed on classes to be offered S-F. He suggested EPC define more specifically which classes would be covered by the plan.

The two votes apparently end pressure for significant changes in the UI grading system. Professor of English John Huntley, has indicated he will continue to push for a full EPC hearing on his plan for a completely new grading code and procedure, but the committee has indicated little interest in the plan.

Faculty attending the meeting voiced nearly

unanimous objection to UI rules which require faculty to submit student grades within 72 hours after the final exam.

Claiming teachers need more time to compile grades, John Henneman, associate professor of history, called the rule "outrageous" and said it encouraged the sending of "zero" grades to the registrar, to be altered when marking is finally completed.

Noting that students did not receive first semester grades last year until several weeks into the spring term, Owen Springer, assistant dean of education, said the marks were needed at an earlier date by students in order to plan second semester classes. The argument brought cries of "So what?" from some faculty members, and Henneman said the current UI class schedule was adopted after pressure from students.

No action was taken to resolve the dispute, indicating that the rule will not be strenuously enforced by UI officials at present.

Faculty also approved a change in residency rules, which would require students to earn at UI the final 30 credit hours, or 45 for the last 60, or a total of 90 of the needed 124 in order to receive an undergraduate degree.

The plan will give more flexibility to students who study abroad for a year, and to those who drop out, then re-enroll in school. Students who use the plan must receive the approval of their major department.

# postscripts

## Regents

The Board of Regents, meeting at Iowa State University in Ames today and Friday, will consider several important matters affecting the University of Iowa, including the following:

—Equal employment opportunity and the regents' merit system. The regents will consider a report made by the regents Equal Employment Opportunity committee and recommendations on that report by the regents' executive secretary, R. Wayne Richie. This action was delayed from last month's meeting to await Richie's recommendations, and it is anticipated proposals to modify the merit system to promote affirmative action will be made.

—Employment of consultants for review of the merit system. A choice will be made of which firm will be employed by the regents to review the merit system.

—University of Iowa Residence Hall rate increase. The regents will vote on UI recommendations to increase dormitory rates by an average of 10 per cent effective fall, 1974.

—Associated Residence Halls (ARH) proposal for change in alcohol policy. ARH proposes to lessen restrictions on alcoholic beverage consumption in the dormitories so students may drink in halls, lounges and recreational areas.

—Cost estimate for a coal-fired burner. University of Iowa desires additional appropriations amounting to over \$3 million for a coal-fired burner to supplement funds already appropriated for a gas-oil boiler. A cost estimate will be presented to the regents.

—1973-74 budget increases for University Hospitals.

## Immunization

There will be an immunization clinic for DPT, measles and rubella, and polio at the Johnson County Courthouse today from 6:30 to 8 p.m.

Also, a clinic will be held from 9:30-11 a.m. and 1-3 p.m. Friday, Dec. 14, at Our Redeemer Lutheran Church, 2301 E. Court St. Immunization for the same diseases will be provided.

Parents are urged to bring the immunization records of their children, or at least have some idea of their children's previous immunizations. All are welcome, particularly pre-school and kindergarten aged children.

There is no charge.

## Flight

Two tentative summer flights for students and faculty members have been brought to the attention of the Office of International Education and Services (OIES). These flights will offer greatly reduced rates from normal air fare.

A roundtrip flight from Minneapolis to Tokyo, June 29-Aug. 3, will cost approximately \$360. A round trip flight from Chicago to Lagos, Nigeria, June 4-Aug. 28, will cost approximately \$350.

Contact OIES, 214 Jessup Hall (353-6249), for further details.

## Transit survey

The Institute of Urban and Regional Research at the University of Iowa has begun a random mail survey in the Iowa City-Coralville area to determine rapid transit preferences. The project has been undertaken in cooperation with Johnson County officials to develop improved long-range plans for transportation service in the area.

A random sample of residents will receive questionnaires asking them to give their preferences of various forms of local transportation, as well as suggestion for ways to improve such service. Opinions will also be sought on methods to be used for financing such transportation. In addition, the survey contains questions about the individuals' use of the transportation system.

## Composers

Five compositions will be presented in a Composers Concert at the University of Iowa Friday, Dec. 14. No tickets will be required for admission to the 8 p.m. concert at Clapp Recital Hall, the second Composers Concert of the school year.

The program will include Michael Kowalski's "The Entrance of the Queen of Sheba," performed by an instrumental ensemble conducted by Gerald Chenoweth. G. Kowalski is also a graduate student.

"Piece for Two Cellos (Transmigration)" by Steven Block, G. will be performed by Carolyn Berdahl, G. and Karl Lear, A2.

"Cuttings," Lewis Nielson, G. will be performed by an instrumental ensemble conducted by Michael Lamkin, G.

"Fantasy for Double-Bass Alone," by Robert Paul Block, will be performed by Prof. Eldon Obrecht. Block received a Ph.D. degree from the UI and is currently a free lance composer in Iowa City.

## Campus notes

UI SKI CLUB—Steamboat Springs trip—for those who didn't make it to the meeting last night, come down to the Activities Center to pick up riding and room assignments.

RECITAL—There will be a chamber music recital at 6:30 p.m. in Harper Hall.

ANGEL FLIGHT—Angel Flight will be held in the Field House at 6:30 p.m. in full uniform. Registration fee for the Area Conclave will be due. New activists should remember dues.

PERSHING RIFLES—Pershing Rifles will hold its company meeting at 7 p.m. in Room 17 of the Field House. Vacation parking lists will be determined. Uniform will be fatigues.

CORDLERS—Cordeliers will meet at 7 p.m. at the National Guard Armory.

TOTAL AWARENESS—The Eckankar Campus Society is sponsoring a free introductory talk at 7:30 p.m. in the Union Hoover Room on Eckankar, the science of total awareness.

RUGBY—There will be a meeting of the University Rugby Club at 7:30 p.m. in the Indiana Room of the Union.

P.E.O.—University P.E.O. will meet today at 7:45 p.m. in the home of Mrs. Charles Hesse, 353 Lexington Ave. A representative of the Open Door Society of Iowa will speak to the group on adoption.

# Regents will consider alcohol question

By JIM HUERTER  
Staff Writer

A proposal to loosen restrictions on the consumption of alcoholic beverages in University of Iowa dormitories will be considered by the Board of Regents Friday.

"The Associated Residence Halls (ARH) is asking the Board of Regents to alter the present regulations," said Gerald Burke, assistant director of dormitories and dining.

Burke explained that present rules permit the consumption of such beverages in dormitory rooms only.

### Social functions

He added that ARH's request would permit alcoholic beverage consumption in such dormitory areas as recreational rooms.

"This would aid in accommodating social functions," he

said. Steve Burk, A2, ARH president, added, "It is generally felt by most students that the situation as it is now presents certain inconveniences in trying to confine a party to any one room."

### Not conducive

"We have encountered some minor problems in that those people trying to study at the same time a party was taking place (in a room) found it rather difficult to do so. I'm sure that everyone would agree that such an atmosphere is not exactly conducive to studying," Burk added.

The ARH president also expressed concern that the current policy could possibly create conflict in the event of an emergency situation.

"Any time that you have 30 to 40 people confined to one small

area, such as a dorm room, it presents a safety hazard," Burk said.

He added that such a situation may even contribute to damaging university and private property.

Commenting on the current policy, Gerald Burke said, "Things as they stand right now are pretty good. We have encountered little or no difficulty under the present system."

### Group

When asked if he foresees any problems with the recent ARH proposal, Burke seemed optimistic. "I see no problems if this proposal goes through. In fact, it might smooth things out, in that it would recognize that people do drink in groups and not simply alone in their rooms, which are not very adaptable to social or large group drinking."

The ARH recommendation

came about through the concerted efforts of students who desired to see the current policy amended, each of which had their particular reason for wanting to see the rules changed, Burk said.

### Regents

"I have sent letters to my counterparts at both UNI and Ames hoping to get their support for this proposal," Burk said, "but as of yet, I have received no reply. It looks like the proposal is a UI responsibility."

Neither the ARH nor administrative officials were willing to offer any speculation as to how the regents' vote would go, but as things appear now, the ARH expects and feels that they have the support of the UI administration.



## Nine tapes turned over

# White House files inspected by lawyers

WASHINGTON (AP) — The White House opened a document-filled file cabinet to members of the Watergate prosecution staff Wednesday and sent word it may make public some information from its secret presidential tape recordings.

At the same time, special Watergate prosecutor Leon Jaworski disclosed that the ad-

ministration voluntarily turned over nine tapes that he had requested.

"We are getting the type of cooperation I'd hoped we'd get," Jaworski said.

The special prosecutor also received a face-to-face pledge of support from Sen. William B. Saxbe, R-Ohio, President Nixon's nominee for attorney gen-

eral. Jaworski was summoned to the Senate Judiciary Committee hearing on Saxbe's nomination. Sen. Robert C. Byrd, D-W.Va., said the prosecutor should be there to hear Saxbe's assurances.

### Examining

Jaworski told the committee that an assistant, Charles Breyer, was spending the day at the White House examining a cabinet containing hundreds of documents.

It was the first time the prosecutor's office has been permitted direct access to a wide range of documents requested by Jaworski and his predecessor, the ousted Archibald Cox.

Jaworski declined to say what documents Breyer was looking for, but said the assistant was following a prepared list as

White House lawyer J. Fred Buzhardt pulled out the materials.

"He'll go over the documents one by one," Jaworski said of Breyer. If the assistant spots additional Watergate-pertinent papers, Jaworski said, "I would expect him to tell me about it."

Meanwhile, Senate Republican leader Hugh Scott of Pennsylvania said the White House is considering releasing some of the information on the tapes.

That step was urged on Alexander M. Haig Jr., Nixon's chief of staff, by Republican leaders at a policy luncheon Tuesday, Scott said. Haig, said the matter was under study, Scott reported.

Jaworski on Wednesday received from U.S. District Judge John J. Sirica two of the subpoenaed Watergate tapes and disclosed that his staff now has 13 White House recordings. Two

other subpoenaed tapes were turned over earlier in the week.

Nine tapes were sent over voluntarily last Saturday in response to requests, Jaworski said. He said he had asked for six more and that "These have not been denied to us—it's purely a matter of determining if they are matters we want."

### Other developments

In other Watergate-related developments:

—U.S. Attorney Paul J. Curran said in New York the government will not appeal the refusal of a Bahamian magistrate to extradite financier Robert L. Vesco, who is a codefendant in an indictment charging John N. Mitchell and Maurice H. Stans with conspiracy to obstruct justice.

—In Washington, William J. Casey, former chairman of the

Securities and Exchange Commission, told the Senate Banking Committee he never tampered with the SEC's investigation of Vesco's tottering financial empire. Vesco had made a \$200,000 contribution to Nixon's 1972 re-election campaign while the SEC was looking into his affairs.

—Federal investigators have received reports that Mitchell, the former attorney general and Nixon campaign director, blocked a criminal anti-trust investigation into alleged monopoly practices of Associated Milk Producers, Inc., a huge dairy cooperative. The milk producers and other dairy cooperatives gave \$427,000 to Nixon's campaign and public interest groups have alleged a 1971 milk price increase was given as a payoff for those campaign gifts. Mitchell said through his lawyer he cannot recall the incident.

## Bartel election hearing moved back one week

A district court hearing has been moved back one week on the appealed challenge to the election of Johnson County Supervisor Richard Bartel.

The trial, originally set for today, tentatively was moved to Dec. 19 due to technical objections filed by Bartel's lawyers last week.

Attorneys for Bartel argued today that challenger P.C. Walters' appeal should be dismissed because no petition has been filed outlining issues to be tried in the appeal case.

Judge William R. Eads said the case would be heard next Thursday unless conflict with court docket cause yet another change of dates.

An attorney for Walters acknowledged today that plans are being made to bring a witness from Canada to the hearing.

Walters, who was defeated by Bartel in last year's elections, is contending that Bartel has a criminal record and is thus ineligible to hold public office.

He alleges that Bartel was convicted of breaking and entering and theft in Canada in 1964.

A special contest court rules Oct. 18 that Bartel is eligible for office, but Walters filed a notice of appeal in district court Nov. 7.

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# User's fee asked for Rec Center

By GEORGE SHIRK  
Staff Writer

The University of Iowa Recreation Advisory Committee's budget sub-committee recommended Tuesday that a user's fee of between 50 cents and \$1 be charged to those using the Recreation Building over the Christmas break, except for students and their spouses.

The recommendation was among several the committee proposed to ease the financial burden that the UI intramural program faces this year. However, no vote was taken on the proposals.

Harry Ostrander, director of recreational services, said his office would need \$59,533 to run a "good, thorough intramural program."

However, Ostrander has been allocated only \$32,533 to run the

program, and has been forced to cancel several intramural activities, including the Pre-Holiday Basketball tournament and One-on-One basketball.

In a budget report to the committee presented by Ostrander, several steps that have been taken thus far were outlined, and possible cost-saving measures were proposed.

## Hours slashed

Already, the Recreation Services office has closed University High School to all informal athletic activity, reduced secretarial work by 10 hours a week, reduced intramural awards, and has reassigned graduate assistants to better utilize supervision time in both the Field House and the

## Recreation Building.

In addition, the intramural program is charging a \$10 entry fee for all intramural teams this winter.

Ostrander said the applications for intramural sports requiring the fee have nevertheless continued to come in rapidly.

The Recreational Services department has been receiving funds from the office of Philip Hubbard, vice president for student services. His office staff is short one employee, and the funds that normally would be used for salary are instead being given to Recreational Services.

Other actions considered by the committee are a proposed shutdown of the Recreation Building all summer, and a

reduction of Recreation Building hours by four and one half hours each weekday.

However, the committee agreed that shortening the Recreation Building's hours would be unadvisable, because the morning is when most students use it.

Ostrander suggested that all profits from the vending machines inside the Field House be turned over to Recreation Services, but further action on the proposal was delayed until a report on the feasibility of such a move is completed by Arthur Gillis, assistant vice president. Gillis said his report would be ready by January.

In addition, a suggestion to ask Student Senate for fees was

received without argument. Presently, student government allocates \$3.60 from the student activity fees to fund various activities each year.

As yet, no money whatsoever is provided by senate to the intramural program, although it is the most active program on campus, having one of every four students participating in one sport or another.

## Optional fees

Committee members were hopeful that students would support intramurals if the optional student fees proposal would go into effect. Under that proposed system, a student would specify at registration which activities would receive his money.

"I think students would sup-

port us with the optional fee," Ostrander said, "especially considering the number of people who use the facilities. It might get such support that we would not have to charge any user's fee."

Hubbard also said there was a possibility that the Board of Regents could reallocate student fees to help provide intramurals with money, but said they would probably be reluctant to do so, particularly in the light of a "possible" tuition increase.

Ostrander said that publicity surrounding the plight of the intramural program has prompted several people to make contributions to the program. "We would certainly welcome more," he said.

## Judiciary Committee

### Saxbe: no 'improper' orders

WASHINGTON (AP) — Atty. Gen.-designate William B. Saxbe testified Wednesday that he would not resign in protest of any presidential order to fire special Watergate prosecutor Leon Jaworski. But he said he would not comply with any order he considers improper.

Saxbe said further that he believes acting Atty. Gen. Robert H. Bork must have found "gross improprieties" in the conduct of Archibald Cox, the prosecutor Bork fired by order of the President Oct. 20.

Saxbe said he based that judgment on the fact of the firing itself and the prosecutor's charter allowing dismissal only in case of gross improprieties.

Saxbe testified before the Senate Judiciary Committee, which is reviewing President Nixon's nomination of the Ohio Republican senator to take over the troubled Justice Department.

Some committee members were dissatisfied with interpretations offered by Saxbe and Jaworski of a charter amendment to the federal regulations written by Bork.

Assistant Democratic Leader Robert C. Byrd, D-W. Va., asked that Bork be called before the committee prior to final action on Saxbe's nomination. Bork was scheduled to appear on Thursday.

The dispute involves an

amendment providing that any quarrels between the White House and Jaworski over the scope of the investigation may be resolved by eight congressional leaders.

Bork earlier Wednesday defended the amendment as an effort to strengthen Jaworski's position and said it was written to correct a previous inadvertent omission.

Byrd questioned Saxbe at length about his response should Nixon try to fire Jaworski for going to court to obtain evidence over White House objections.

"I would not attempt to fire

Mr. Jaworski nor would I resign," Saxbe said. "The President has the right to fire me any time he wants to for any reason."

Byrd then asked what Saxbe would do if the President had obtained the consensus approval of the eight congressional leaders to fire Jaworski but had presented no evidence of impropriety.

Saxbe replied, "I have no intention of resigning."

Byrd retorted, "That may be the very thing the White House would love."

Pressed by Byrd, Saxbe said, "But I wouldn't carry out the order, either."

"You'd make him fire you?" Byrd asked. "Absolutely," Saxbe asserted.

Saxbe had been asked his view of a federal court opinion that Bork had acted illegally by firing Cox without a finding of impropriety.

Saxbe said he believes U.S. District Judge Gerhard A. Gesell "was in error" and said, "this case will be appealed" possibly to the Supreme Court.

Saxbe, who was nominated to replace Elliot L. Richardson, testified that he considers himself bound by the recent provisions granting broad authority to the special Watergate prosecutor.



Photo by Jim Trumpp

## Modern man's twilight

Even the refuse of modern technology has a certain eerie beauty. A belch of smoke from the UI Physical Plant, a jet stream, and the late evening sky combine to create this effect.

## Sun Tan U. offers students from North extra semester

MIAMI, Fla. (AP) — The University of Miami launched an advertising campaign Wednesday to attract students who may be forced to miss winter semesters at Northern universities because of fuel shortages.

"The colleges in the Northeast seemed acutely hit, with some schools announcing they are lengthening the Christmas vacations by a month with prospects for even longer delays in reopening," said admissions director George Giampetro.

"By offering students the opportunity to transfer to Miami for one semester, we believe we can help students whose plans may be hurt by the

delay," he added.

The private school, nicknamed Sun Tan U. by students, has reported that applications for the winter semester have increased by 100, a 17.7 per cent rise over last year's figures. The school has an enrollment of 16,100.

Officials said they decided to put ads in Boston area newspapers after receiving a large number of applications from Northern students.

"We don't want to look like we're out hustling for students," said Giampetro. "But we were getting so many requests for information about transferring that we thought we could supply a service."

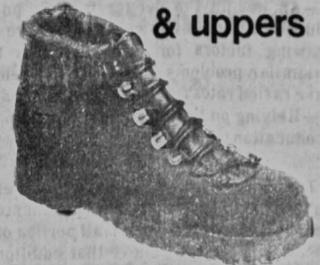
# HEY!

Hit The Slopes  
In Style and  
Comfort with  
after Ski Boots

By **dunham**



Durable Soles  
& uppers



We Just Look  
Expensive at

*Seigerts*  
Shoe Center

10 S. Clinton, Iowa City



# WAIT A SECOND!!

IT'S STILL GOING ON!! COUNTRY COBBLER'S SEMI-ANNUAL CLOTHING CLEARANCE SALE IS IN THE SECOND WEEK AND RUNNING STRONG. STOP IN AND SEE HOW MUCH YOU CAN SAVE WITH PRICES LIKE THESE...



In the Men's Dept.

Sweaters....\$1.90 to \$9.90

Regular prices to \$18.00

Pants... \$9.90 to \$18.90

Buckle-backs, cuffs, pleats, skinny belted, wools (the wools just came in, as a matter of fact) gabardines, plaids, solids, just about everything, even elastic waist-band models....

Regular prices on these are \$10.00 to \$25.00

Also there is a very large group of elastic back jackets, blazers, and baseball jackets that are priced from.....\$9.90 to \$24.90.

**country  
cobbler**



In the Women's Dept.

One whole table of pants... \$9.90

Regular prices...\$12.00 to \$25.00

Cords, baby flannels, flannels, wools, gabardines, plaids, solids and prints.

Long party dresses...  
\$19.90 to \$35.90

Regular prices \$30.00 to \$50.00

Sweaters.. \$9.90 to \$14.90

Bulkies, vests, cardigans, etc.

One whole rack of shirts that were regularly \$14.00 and \$18.00 now only \$7.90!!!

Pantsuits, jackets, blazers, smocks, peplums, tops, shirts, all on sale...

126 East Washington

## Ray tuition plan unacceptable

Gov. Robert Ray suggested Tuesday that tuition be set on a "percentage of cost" basis. To be blunt, the idea sets off an odor clearly discernable all the way to Iowa City.

Ray said the system's advantages would be in that students would not be taken by surprise by tuition increases. They would be told well in advance what the rate would be for the upcoming year. One other advantage, according to Ray, is that increases in tuition rates would be slow and gradual rather than in huge lump sums. Ray added that the Iowa Legislature could possibly be counted on for additional appropriations to help the students out. These advantages do not outweigh the many disadvantages of the plan.

Some of the apparent disadvantages include:

—Increasing costs consistently charged directly to students (who have little, if any control over waste and spending priorities within the institutions).

—An arbitrary percentage rate set possibly by the "less than wise" state legislature.

—Inflationary spirals being absorbed by one of the social classes in American society least capable of handling such increases.

—An inability to decipher what is part of the "cost of education" and what costs are interesting sidelights or drawing factors for any institution to obtain students (similar problems have arisen as telephone companies have raised rates to pay for increased advertising costs).

—Relying on the legislature to pick up a part of the cost of education through additional allocations.

The Board of Regents have said before that students have a limited voice in the operation of the universities because they pay such a small portion of their educational costs. It is hard to believe that additional powers will be granted to students when priorities are determined even if this plan is adopted.

Judging from past legislative actions (the problem riddled Merit System and consistent insufficient allocation of funds to the regents) it would be difficult to leave the determination of a just percentage rate to be paid by students up to these 150 lawmakers. Experts cannot agree on the percentage of costs directly attributable to students, much less politicians.

Ray's idea that the legislature will supplement the cost of education through additional allocations (to relieve some of the burden from students) is a "pie in the sky" idea, and he knows it.

Looking at the record, the legislature has repeatedly appropriated less than the regents have requested. Believing that tuition increases would be predictable with this system is foolish. The legislature always waits until the end of the session to work on the higher education bills because they must think about these decisions (which is also not a common practice in the statehouse). To think that the legislature would cooperate with Ray in this respect is doubtful.

The plan is lacking in research and leaves many of the aforementioned questions unanswered. What is also bothersome about it is that although Ray may correctly view it as a rough draft, somebody in the next session is sure to pick it up and present it as a workable plan to answer these perennial questions.

One other aspect must be considered. Ray may have presented the plan to see who would salute when he ran it up the flagpole. It would be wise for the regents to find the flagpole and "raise a leg."

Stu Cross

daily  
Iowan

# perspective



## mail

The Daily Iowan welcomes your signed letters and opinions. However, you must type and double-space your contribution, and, in interests of space, we request that letters be no longer than 250 words.



## Mulford raked

To the Editor:

Mike Mulford complains in his recent letter to the editor that students are under the dictatorial thumb of the Student Senate because they are forced to hand over a mandatory student fee which is then allocated to various student groups. Students may thus end up paying money to controversial groups with which they have no interest in or sympathy for. Students should, he said, have the right to choose which groups they wish to fund. On the surface of it his argument sounds plausible, and I can realize that as a conservative and leader of the Young Americans for Freedom he would like to see fewer funds going to "such things as the Gay Liberation Front, Socialist groups and candidates for the city council."

I think, however, that Mr. Mulford has missed the point. He speaks of the Student Senate as if it were some autonomous legal power cruelly oppressing students and forcing them to pay money for groups and projects which nobody wants. The fact is that the Student Senate is composed of fellow students who are elected each year in university-wide elections. It operates on the same principle as does Congress; people elect representatives who then decide how the nation's money will be spent. Liberals thus are forced to pay for Vietnams and ABMs, and conservatives are forced to pay for welfare and food stamps.

The composition of this year's Senate was decided in last year's election in which Mr.

Mulford had a chance to participate. However, I suspect that his pique is directed more at the realization of the lack of conservative power on campus than at any oppression of liberty. I suggest that if people like Mr. Mulford and organizations like SCRAP don't like the Student Senate's "loosely conceived, left-wing stance," that they get together during the next student elections and run a slate of conservative candidates who are opposed to the present funding practices.

Gary N. Smith, A4  
E 324 Currier

## Catalyst: 'Ducky'

To the Editor:

In reference to Dick De Jong's letter about Lauterbur being shafted, I have an idea what happened. The catalyst that he wonders about is none other than the defensive coach "Ducky" Lewis. Lewis has been known as a colorful individual, and this is just what he is. During practice session, he cusses and swears a lot, and also tries to throw footballs at the players. Once when he missed the football, he kicked a player. But, this is not the only thing that our friend Mr. Lewis has been known for, even though this does explain why the defense grew progressively worse as the weeks went by. There is not a High School coach in Iowa who will send a player here because of Lewis.

Lewis' television appearances have also hurt the Iowa picture. This Thanksgiving, my father talked to a high school

alumnus who is now the publicity director at Iowa State University. He said that Lewis was the best recruiter that Iowa State had ever had. Football players who are thinking of either Iowa State or Iowa hear him knock Iowa State on television, and they get mad and go to Iowa State. This explains the recruiting problem.

This is why Lauterbur was fired. Even though he was an excellent coach, the fact that he did not make the necessary changes ruined him.

After all, which is more important: an assistant coach or the football program?

Jim Lindholm, A-1

## U.S. hypocrisy

To the Editor:

In regard to the December 4th article "LASA Agrees to CAC Recognition": Don't you suppose all LASA members would agree to the hypocrisy of the stance the United States took in refusing to recognize the People's Republic of China?

Thoughtfully,  
Johannah Varland  
222 1/2 Washington

## Shortage threatens

To the Editor:

Why should this energy situation threaten our national well being?

So it seems the national panic was created from several federal and state branches of government.

Is it experts, or exports, or the oil companies in control of the political situation?

Or is it a move to promote research on alternate supplies of energy, such as nuclear, solar, thermal, or fusion power?

Or is it taxation?

Or is it economic control where the price freeze failed?

Why is there a large percentage of our oil wells capped?

Why is there an embargo on imports on crude oil?

Why the large scale promotion of shortages, and the credibility gap, of information?

Robert R. Lauer  
Fredericksburg, Iowa 50630

Continued on page 5

## THE DAILY IOWAN

Volume 106, No. 113, Thurs., Dec. 13, 1973

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## 'Double standard' in force

Editor's Note: Today's Equal Time column is a contribution of Dave Helland.

I was less than happy to see that Stu Cross supports the double standard the university maintains regarding entertainment. It seems the university administration is in favor of, will make allowances for the problems caused by and allow their teenage daughters to attend football games or the classical music programs in Hancher. But when it comes to CUE concerts it is a completely different story.

For instance, have you ever heard John Dooley complain about traffic snarls caused by football games or drinking in the stadium? If Dooley has a problem he goes to see Bump and they close the door. If Dooley has a gripe about a CUE concert he grabs a reporter. You can't find a place to park near the library the afternoon of a home football game and that is acceptable. But let CUE have a set up or tear down problem in the fieldhouse and someone yells about losing recreation time. No one suggests that Bump and Candy LaPrince take tickets or direct traffic but Cross seems to think that that is what CUE is for. If that is the case, what does CUE pay Campus Security a grand a concert for if not to handle traffic.

The university stopped trying to police the morals of women several years ago when they did away with hours. Why do they think it is now its responsibility to keep tabs on high school kids? If parents don't know where their kids are that is the fault of the parents and shouldn't be laid on the shoulders of CUE. This again seems to be part of the entertainment double standard. No one objects when non-students of any age buy tickets to athletic events. Hancher programs or entertainment sponsored by academic departments, but the university has "an unwritten rule" that CUE concerts be open only to students.

The problem of the matches is simply one of safety. It presents a danger just as throwing fruit on the field during a football game presents a danger, but no one blames the football team for the irresponsible actions of a few fans. Instead of talking about ending CUE concerts why doesn't Dooley grab a reporter and explain to him or her just how much of a danger the matches are in a concrete, brick and steel building with hard wood seats that has the main floor covered with a fire proof tarp. Then after he gets his rap in the paper he could sit down with members of CUE and work out some solution to a problem that has only occurred once.

The likelihood of that happening doesn't seem too great since the administration is already talking about making radical changes in the format of CUE concerts. For instance, George Chambers' idea of solving CUE's problems is to limit them to 6500 tickets per concert, but he is generous enough to go as high as 7000. The fact that you'd never see the Dead or the Allman Bros. return or the Band, the Who or other big groups in the fieldhouse for under \$6-\$8 a ticket doesn't bother him. What it boils down to is that the university isn't willing to put up with the hassles caused by two big concerts a year. In the past three years there have been only three concerts drawing more than 10,000 people, about an equal number drawing 7-10,000 and three drawing less than 3,000.

What Chambers might consider is the reaction of crowds who can't get tickets and know that there are only 7,000 people using a facility that seats 11,000. In Chicago crowds of gate crashers have injured people, destroyed property and generally wrecked havoc when they couldn't get into concerts that were already sellouts. Instituting a half-house policy here might cause bigger problems than it would cure. Of course, if the administration is looking for an excuse to do away with rock concerts entirely helping to provoke a massive gate crashing incident would make sense.

The double standard the administration maintains for dealing with CUE is just part of the university wide bias against popular culture. A strong case can be made for all American music from blue grass to rock to zydeco to swing to country western being derived from black music yet this semester is the first that a course in black music has been offered at the university. And for both years of its operation, the Hancher committee has not seen fit to book a jazz program on a par with the dance, concert and Broadway show series that they sponsor. The funny thing is that every year ethnic dance troupes from Socialist and third world countries perform regularly in Hancher but the ethnic traditions of Americans as found in jazz, folk or blues are performed only sporadically.

A more subtle form of the bias against popular culture is demonstrated by the university when it allows students to make all the arrangements for CUE concerts and the Raitt-Majal type concerts in Hancher.

It boils down to the administration being like Mississippi Fred McDowell who said "I do not play no rock and roll." Unfortunately, the administration doesn't know who McDowell was and probably never will.



spectrum

ron langston

## Political socialization

The Soviet Union and the United States are similar and seemingly are heading in a general direction of "likeness" in that they both are striving to attain and secure an advanced technological state.

The US is presently more advanced and more sophisticated than the Soviet Union, particularly in the area of citizen development (a larger percentage of Americans are better educated, better employed and enjoy a better standard of living than their Russian counterparts).

In the last half century, the US has been faced with the dilemma of forced state (governmental) control in providing social services for its citizens. The Soviet Union, in an attempt to integrate its population, has shifted from a purely totalitarian state to a more or less quasi-democratic and socialist state (interest articulation and citizen participation are given stronger emphasis and consideration by the state).

With any attempt both countries are

leaving their polar extremes and converging toward the center, trying to find equilibrium in a changing world. The USSR during the past century pulled alongside of America in being regarded as a rich state.

In every wealthy country in the western world, the state has become a democratic "welfare state." The Soviet Union, though not in the Western Hemisphere, has fallen prey to the similar responsibilities of being a welfare state.

The welfare state is nothing more than the "commitment to broad goals of economic development, full employment, equality of opportunity for the young, social security and protected minimum standards as regards not only income, but nutrition, housing, health and education for people of all regions and social groups." If the Soviet Union and the US are alike in any manner, it is in their responsibility for the welfare of their respective states. The development of the state is a process of coordination; and that involves planning. It

is here that the most marked distinction exists between the USSR and the US.

The political culture and development of a society is largely due in part to a philosophy of terms (ideology). The role of ideology is vital in projecting the goal objectives and formulating the political processes of a state, organization, governing body, etc. The developmental process approach and its written goals effect the community. The idea of development and growth is very much related to ideology, concepts and philosophy.

Thus, the overt political culture of the USSR political system is the doctrine of Marxism-Leninism which is formulated and communicated by the party at a given time. The American development was not and is not a product of a doctrinal ideology. But rather is built upon concepts and values.

The American "ethic," compared to the Soviet ideology, is less formal and less narrow in its application and interpretation. The effect on the society is

this: Soviet society, like its ideology, is rigid and narrow in the realm of mobility and participation, while American society is broad based and fully active in citizen participation and social mobility. The political beliefs and values of both the US and USSR are part of the political socialization process (the process in which beliefs and values are determined, thus mixing "what is political" and "what is social.")

The ideology of the Soviet Union is inculcated through centralized and powerful agencies. Through this power, the Soviet citizen is informed about the past, present and future, and the role each individual and group within the system is expected to fulfill.

The American citizen is politically socialized in much the same manner. Individuals are told to respect the flag and First Amendment rights. The difference is once again on emphasis. The American social and political cultures are more loosely related between their definitions.

# s...more letters...m

continued from page four

## Santa visits

**To the Editor:**  
Santa Claus visited me last night.

Needless to say, I was rather taken aback by this strange visitation. Ever since I've been old enough to read, I've believed and been told that Santa Claus was just for "the little kids." But what could I say with this white-bearded old fellow "ho-ho"-ing his way into my room?

Oh, just to be absolutely sure, I tried catching him off-guard with a quick series of clever questions, but who but Kris Kringle could whip off the names of all the reindeer and elves in ten seconds flat? He was Santa Claus all right.

I invited him to sit down, but as he did so my brows knitted in puzzlement. Somehow this chubby guy just didn't seem to fit the pictures of ol' St. Nick I've seen plastered all over town. There was something different from what I remembered as a kid.

As realization dawned on my face, there came a twinkle to Santa's eyes, and he burst out in a rolling laugh.

"You've noticed a few changes, eh? I've come a long way, kiddo, from the early days. No more shinningy down dirty old chimneys for this dude. No, sir. That's just PR now. I've modernized." He nodded in emphasis, but all I could say was nothing.

"I've put those poor over-worked reindeer to pasture, and I use a Lear jet now when I want to get somewhere in a hurry."

I raised a hand in protest. "But how do you deliver the presents? You can't land a jet on a rooftop."

"Oh come off it. Like I said, I've modernized. Assembly lines, computerized production and delivery, cost consultants, tax write-offs, max-min programs, unionization, specialization...You name it, I've got it." He smiled proudly.

I shook my head. "I don't know, Santa. Somehow it just doesn't seem the same."

"Wake up, kid. This is 1973. You can't live in the past. Take my word for it, this way's the best. The lights, the ringing bells of the cash registers...Why else would I have gotten my hair and beard styled and picked up these fancy new threads?"

I raised an eyebrow. "Yeah. So I've noticed."

Santa slipped his thumbs in his hand-tooled leather belt and stood up. "I've moved into an executive position now. No more toiling up there at the North Pole. Too much work. I've moved down at his electric watch. "I must be off. The local merchants and I are having a little business get-together to discuss the new sales campaign I've devised. TV, radio, newspapers...The works. Just

wait until you folks get a load of the things I have in store for you! Well, Toodles."

As I watched Santa disappear down the hall, I crumpled the hurriedly scribbled list I held in my hand. "Oh, well," I sighed. "Maybe if I write to his request agency..."

You know. Perhaps they were right after all when they told me Santa Claus wasn't real. Live long and prosper.

Russ Madden  
Iowa City

## West reacts

**To the Editor:**

We, a group of West High School students, wish to respond to implications made in a letter of December 5 by Gary Lewis, A2. In his letter, Mr. Lewis implies that conservatism is growing in Iowa City, using West High school as an example of this: "There is a trend by the high school age group to gather information on the conservative philosophy. This fact was exemplified by the fact that West High students of Iowa City insisted upon hearing (YAF) speaker Mike Mulford on several occasions."

First, no one insisted upon hearing the representative of the Young Americans for Freedom. The speaker was in one case invited by students to achieve a balance of viewpoints. Speakers from the New American Movement, a socialist organization, were invited to speak to students on the same occasion. In the second instance, Mulford was invited by a faculty member to speak to a class called "The Ultra-Right."

As students here, we are able to see trends in attitudes as they change, but fail to see students rising to support the conservative cause. If we are gathering more information on the far right, it is because we are experiencing greater political awareness, and choose to hear both sides before making a commitment.

For these reasons, we renounce Mr. Lewis' assumptions as false and without basis. Three hundred West students attended a presentation on alcoholism, but that doesn't mean that we are all alcoholics.

West High Student Senate  
Dave Caplan, President  
West High Scholarship Committee  
Veronika Kolder, Chairperson

## Hunt trophies?

**To the Editor:**

In the article on the sparrow problem at the Main Library, in the Monday DI, it was stated that "anticipated reaction from ecologists...is keeping Physical Plant officials from outright massacre" of these birds. Contrary to the impression given, ecologists are not opposed to proper control of pest species. The English Sparrow is an introduced species that has caused great harm to a number of native birds.

Perhaps it might be arranged for those hunters who brought

their "trophies" (foxes and other important predators) to Fin and Feather on Saturday to spend their time more constructively, shooting sparrows instead.

Nigel Blakley  
324 Zoology

## Hippies & truckers

**To the Editor:**

Well, well, well. How time flies. It seems like only yesterday that large groups of "hippies" sat down in the streets of Washington, D.C. disrupting traffic, trying to bring attention to what they wanted: Peace in Viet Nam.

But I guess it has been long enough to forget some things.

Although many people spoke out against this type of demonstration, some of the loudest speakers were the Blue Collar workers. Now some of these workers, the truckers, are taking that page from the hippies' book. They stopped their trucks on the Delaware Memorial Bridge blocking the progress of over 1,000 cars. Why? They want to keep "canonballing" their monsters of the median strips at 65 m.p.h.

I realize that the trucking industry is very important to us all, but so are human lives.

Moral? It is not right for you to infringe on the rights of others, unless your pocketbook is being pinched.

Jerry Huffman

## Student help?

**To the Editor:**

The University of Iowa Athletic Department, with its broad spectrum and all-encompassing view, has done it once again. I am referring not to the firing of Frank Lauterbur but to the hiring of his successor. The committee which has been established to review the prospective candidates is made up of Athletic Department officials, faculty, and staff. The views of concerned alumni will of course be listened to. However, there is one interested group who is not being represented on this committee...the students at the university. Any arguments about students not being concerned, informed, knowledgeable, or interested enough to meddle in the Athletic Department affairs simply do not hold water. The simple fact is that the Athletic Department will choose who they want and the students be damned if they don't like it. I suppose this is understandable in the light that Big 10 football has transcended from being a sport into a big-time business. I guess I'm just an old romantic, but I'd kinda like to see some semblance of the sport returned to the people for which it was originally intended—the participants and the students. One small step toward achieving this end might be to include students on the coaching selection committee. Thank you.

Todd Tripp, Member  
University of Iowa  
Student Association Senate



# Return to the sacrifices.

You must remember our last "Sacrifices" sale. So many of you asked to have it repeated.

O.K. Done. Presenting: top quality stereo gear with prices mercilessly chopped. It's our overstock and discontinued stuff, but it's all legitimate. No specially bought promotional junk. And believe us, it's going to fly right out of the store.

So hurry to the sacrifices, and pick up a nice gift or three for somebody. Yourself maybe.

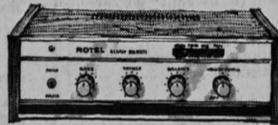
## ITEMS TO BE SACRIFICED.



AKAI GX-220D  
TAPE DECK  
List \$529.95

**Sacrifice Price**  
\$379.95

This deck has glass heads. But to show you where our heads are at, take another look at that sacrifice price. This deck has so many performance features even a pro could love it. Three heads, three motors, automatic reverse, two VU meters, sound-on-sound, automatic stop, tape speed equalizer, SRT tape switch, and more. A reel dandy deck!



ROTEL RA-210 STEREO AMP  
TEAM Reg. Price \$69.95

**Sacrifice Price** \$49.95

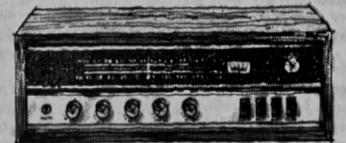
Not a lot of watts (6½) but then not a lot of bucks. The perfect amp for somebody starting out. Or for your kid brother or sister. Or as part of your summer cottage system (ha!). Full of all the proper features: tone, balance and volume controls. Inputs for changer, tuner, tape and auxiliary. Headphone jack and tape output, too.



RYSTL E-3000 STEREO  
HEADPHONES  
List \$49.95

**Sacrifice Price**  
\$17.99 (REALLY!)

You're gonna kick yourself if you don't pick up a set of these. Virtually distortion-free electro-dynamic speakers... just plug 'em in and fall into the music.



ELECTRO-VOICE EVR-51  
STEREO RECEIVER  
TEAM Reg. Price (CHEAP) \$179.95

**Sacrifice Price** \$109.95  
(RIDICULOUS)

There's nothing wrong with this baby. If you're looking to get into stereo cheap and easy, better get here before your friends do. Power is 12½ watts per channel (RMS) which ought to be plenty considering what you're paying. Full features include FM tuning meter, extra speaker terminals, loudness control and front panel tape monitoring.

## MORE SACRIFICES!

### TAPE DECKS

Record	Was	Now
Toyo CHR-335 8T	\$100—79.95	
Lloyds Y616 8T	\$100—78.00	
AKAI CS-35D Cass	\$160—119.95	

### 2 or 4 Channel Play

Panasonic RS-845	\$125—99.00
Sanyo RD-8200	\$140—85.00
Harman-Kardon 8+	\$160—89.00

### RECEIVERS - AMPS

Stereo	Was	Now
JVC VR-5511	\$250—199.00	
ALTEC 710A	\$375—309.00	
JVC VR-5521	\$330—250.00	

### 4 Channel

Pioneer QX-4000	\$375—309.00
Sansui QR-500	\$250—199.00
Sanyo DCX-3000	\$250—199.00
AKAI AA-6100	\$200—119.00

### SPEAKERS

	Was	Now
ALTEC Design I	\$225—199.00	
UTAH MK-17	\$100—69.00	
Janszen Z-110	\$130—99.00	
Janszen Z-410	\$170—129.00	
Pioneer E-450	\$120—80.00	
Atlantis I	\$50—39.00	
Atlantis III	\$120—89.00	
Atlantis V	\$180—135.00	

### QUAD MUSIC SYSTEMS

	Was	Now
+Sanyo DXL-5485	\$270—199.00	
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**No means of effective disposal**

# Nuclear merits offset by wastes

**Editor's Note**—The energy crisis is forcing national attention to nuclear and alternate sources of energy. This is the second of three articles, prepared for The Daily Iowan by University of Iowa graduate students in geography and electrical engineering, dealing with the benefits and problems of nuclear power.

Today's article looks at nuclear waste disposal and Friday's deals with alternate energy sources.

By RICHARD KOZLOSKI and CHARLES PARSON For the Daily Iowan

With the country currently in the middle of a fuel shortage and with ecologists clamoring for clean air and water, it would appear that the time for building nuclear power stations has arrived.

At least this is what President Nixon and utility companies throughout the United States would like the public to believe.

In his recent speech informing the country of the energy crisis, Nixon mentioned that he was recommending that the time required to license nuclear power plants for operation be reduced from 10 years to eight years. This would make more nuclear stations available in a shorter time to assist in solving our energy problem.

Presently, the Iowa Electric Light and Power Co. is actively involved in a campaign to gain public acceptance of its Duane Arnold Energy Center in Palo. In its advertisements, Iowa

Electric tells only of the benefits to be reaped from this modern marvel of technology. The ads speak of the great pains taken to ensure the safe and efficient operation of the reactor and of the high standards of quality that have to be met to receive government certification for operation.

Never is there any mention of the problems inherent to a nuclear power station.

At present the environmentalists are complaining about the thermal pollution and possible radiation hazards of operating nuclear power stations. Consumer protection groups are talking about protection devices that might fail when needed and which are not tested at sufficient intervals, if at all.

But few of the public interest groups are giving sufficient attention to the inevitable by-product of nuclear energy—radioactive waste.

Proponents of the use of nuclear energy for the generation of electric power term radioactive waste as merely an unpleasant side effect of atomic energy.

However, the public must be informed of the dangers of these wastes so that persons can decide if more reactors should be built which will create more waste.

Radioactive waste is a serious problem that arises from the inefficiency of nuclear power plants. At present only 45 per cent or less of the radioactive uranium fuel is "consumed" at

plant.

Reclamation of the unused 55 per cent of the fuel results in gross quantities of radioactive chemical processing by-products. These by-products and other activated materials constitute radioactive waste.

Unfortunately, there is no neutralizing agent, and the resulting radioactive waste has to be disposed of, constituting a serious safety hazard.

But the government is taking precautions to ensure this waste cannot harm the generation that has buried it.

Researchers are searching frantically for safe means to store the radioactive wastes produced by currently operating plants. A period of 200,000 years is necessary for stored radioactive wastes to become relatively harmless.

The key problem is how and where a large quantity of very hot, commonly corrosive, and lethally radioactive material can be shelved so that no humans contact it for at least 8,000 generations.

Among the consequences of contact with radioactive waste are leukemia, cancer, and irreversible genetic damage.

No successful means have been developed to store wastes in the past, nor do any currently exist.

One of the early attempts which was planned to serve for two to five centuries grew out of wartime plutonium production at Hanford, Wash.

Liquid waste at this site has been pumped into massive un-

derground tanks since the mid-40s. In the past two years over 200,000 gallons of highly radioactive liquid has leaked out.

Continuing leakage can affect local water supplies and may reach the nearby Columbia River, which supplies water to numerous towns along its length.

Near Los Alamos, N.M., standard 55 gallon barrels filled with radioactive waste are being buried in shallow graves. Hydrologists report that leakage from the barrels will never reach local ground-water tables under present climatic conditions.

But the climatic record in the New Mexico mountains has included changes in precipitation and temperature that have caused seven glaciations in the past 200,000 years, and it is unknown what climates could occur during the next 200,000 years. Increased precipitation could cause water to pass down through the buried waste into water supplies.

Present plans of the major power companies are for operation of more and larger atomic generating plants. Their publicly proclaimed reasons are to provide more power to the consumer at a lower cost.

But, with dubious and unacceptable solutions to the waste disposal problem currently in use, one may ask if it makes sense to escalate the accumulation of this "indisposable," lethal material by rushing more reactors into production.

The present state of waste disposal suggests that above-ground storage which should be constantly monitored must be the current solution. This method allows leaks to be quickly detected and remedied.

However, failure of an above-ground storage system would be a catastrophe similar to that created by fallout from a nuclear bomb.

Failure could arise from natural disaster, technological error, sabotage, or warfare.

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## Reduced speed limits bring hot, cold reactions from legislature

DES MOINES, Iowa (AP) — Most Iowa legislators apparently are ready to reduce highway speed limits to help out in the nation's energy crisis — but not to 50 miles an hour.

A big majority of lawmakers answering an Associated Press questionnaire say the 50 m.p.h. limit for passenger cars proposed by President Nixon is lower than the public will accept on any long-term basis.

Sixty miles an hour is the limit most favored as a statutory maximum speed, though some want to set variables for different kinds of highways or different kinds of vehicles.

Most legislators answering the poll are cold to the President's proposal to allow trucks and buses to travel five miles an hour faster than cars.

For safety reasons all vehicles should have the same speed limit, they say, and if there is any differential it should be in favor of cars.

"I definitely oppose any change which allows trucks to move faster than passenger vehicles," said Rep. Don Aven-son, D-Oelwein, who proposed limits of 60 m.p.h. for cars and 55 m.p.h. for trucks.

Rep. Richard Drake, R-Muscatine, chairman of the House Transportation Committee, said he will propose legislation

to trim Iowa speed limits to 60 miles per hour.

That's the limit he regards as realistic from an enforcement standpoint. Drake said, though he would accept a 55 m.p.h. limit.

"I have asked most every person I come in contact with and most people are very much opposed to 50," said Sen. Cloyd Robinson, D-Cedar Rapids. "Most say 60 or 65. I think 50 is unrealistic myself."

### the legislature

He was supported by Rep. Gregory Cusack, D-Davenport, who declared that "50 is too damn slow and doesn't speak to the major problems — the size and weight of cars plus their additional gadgets."

There are those who think speed limit legislation is premature, and they include House Majority Floor Leader Edgar Holden, R-Davenport.

Holden said he wouldn't support a change "until we get better data than we have now" on fuel savings from lower speed limits.

"We get a different story from different sources every day," Holden complained.

Rep. James Jordan, D-Marion, expressed doubt that the gasoline shortage is real.

"I believe it is just another Washington mixup and if the money is there, the gas will be there," Jordan said.

Sen. Barton Schwieger, R-Waterloo, pointed to an alternative to a legislative numbers game over what the speed limits should be.

"I believe the governor should be given the power to lower speed limits when the need arises," Schwieger commented.

He was supported by Rep. Glenn Brockett, R-Marshalltown, who said the legislature was "too inflexible" to deal with the problem if it gets any worse, and Rep. Dennis Butler, R-Council Bluffs, who said he favors permanently cutting the maximum speed to 60 m.p.h. and also giving the governor emergency power to reduce it still further.

Rep. Wallace Horn, D-Cedar Rapids, proposed a 55 m.p.h. speed limit for cars and trucks and a 70 m.p.h. limit for buses, "to encourage mass transportation."

Rep. Henry Wulff, D-Waterloo, advanced a best-of-all-possible-worlds plan in lieu of any federal gas rationing.

He called for speed limits of 65 miles an hour on interstate highways, 60 m.p.h. on U. S. highways and 50 m.p.h. on state roads.

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'In the interest of all'

# Truckers plan to stay off roads

By the Associated Press  
Truck drivers using citizens band radios and word of mouth passed the word Wednesday: Head for home at midnight and stay off the roads for two days.

The proposed stoppage picked up scattered support as the day wore on. Most of the shutdown calls came from independent driver-owners who say they are hardest hit by higher fuel prices, dwindling supplies and lower speed limits.

It was difficult to tell how many drivers were involved. Estimates ranged up to the thousands. The Teamsters Union said that there are 21 million trucks registered and added that the union represents about 170,000 truckers who work for common carriers, about 50,000 independents and an unknown number of truckers who work for private carriers.

Teamsters President Frank Fitzsimmons has expressed doubts that the halt would materialize.

"Fitzsimmons is trying to wait and see which way the ball bounces," said William Hall, a spokesman for the Independent Truckers League.

Hall said that the league's 200 members in the Cleveland, Ohio, area were "not booking anything for Thursday or Friday" in anticipation of the stoppage.

Mike Parkhurst, editor of Overdrive, a Los Angeles-based industry magazine which says it is acting as a clearing house for truckers' protests, said the drivers did not plan to block roads, but would simply park their rigs at home, on lots and at truck stops.

Major freight lines generally said they'd keep operating.

The truckers' protest started Monday, Dec. 3, with scattered blockades that began in the East and spread to the Midwest and other areas of the country. Some of the truckers went to Washington, D.C., and met with legislators over the weekend, temporarily ending the demonstrations.

As the week began, however, driver-owners said they weren't satisfied with government assurances that their complaints — including price gouging by some truck stop operators — were being checked.

There were more demonstrations, an unsuccessful drive for a Tuesday night shutdown, and support began building for the Thursday-Friday protest urged earlier.

Near Cambridge, Ohio, a focal point of truckers' protests since the demonstrations began, drivers of heavy rigs who had been gathered at the Shenandoah truck stop since last Thursday headed for home ear-

ly Wednesday afternoon and vowed to participate in a nationwide shutdown.

Another group of drivers in Ohio called off planned blockades in Toledo, Cleveland and Cincinnati after hearing a report that Transportation Secretary Claude S. Brinegar promised a statement on the fuel crisis by Monday.

Wednesday morning, independent truckers forced the closing of fuel pumps at two truck stops near Cordele, Ga., on Interstate 75, the main route to Florida.

"We are doing this in the interest of all people," said Frank Troy of Somerset, Pa., who

identified himself as a spokesman for the group. "Who can afford a dollar a gallon for gas?"

Troy, who said several hundred truckers were involved, said the men would stay where they were until Saturday, but would not interfere with trucks carrying perishable goods and livestock.

He said independent owner-operators were hardest hit by rising fuel prices and limitations on fuel purchases and said the drivers want government approval for immediate increases in their rates. Large trucking lines have their own fuel pumps, he said, and are not

as dependent on buying fuel along the way.

The owner-drivers also complain that slower speed limits increase the amount of time it takes them to deliver loads. Many other drivers are paid on a mileage basis and say lower speed cut their paychecks.

An Associated Press survey of the 50 states showed that 22 have daytime speed limits for trucks of over 55 miles per hour on major roads. Twenty other states have lowered limits to 55 mph or below as a result of the energy crunch; seven states always had limits below 55 and in one state, Nevada, there are no posted limits.

## Direct Contact tonight



Recreational Services Director Harry R. Ostrander and Men's Intramural Director Warren Slebos will be this week's guests on Direct Contact. Persons having questions concerning the intramural program may call 353-5665 between 8 and 9 p.m. tonight.

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## Kissinger advocates new energy sources

LONDON (AP) — Secretary of State Henry A. Kissinger proposed Wednesday night that the European allies and Japan join the United States in a crash program to surmount the oil shortage by developing new energy sources and conserving supplies.

Kissinger spoke at the end of a crowded day in which he added Algeria to his tour of Arab countries and conferred with British leaders including Prime Minister Edward Heath and Foreign Secretary Alec Douglas-Home.

Kissinger said "senior and prestigious individuals" from Europe, the United States and Japan should form an energy action group with a mandate to develop an initial program within three months.

The United States, he said, was ready to make "a very major financial and intellectual contribution."

In a major speech, Kissinger said the Arab oil squeeze of 1973 can become the economic equivalent of the Sputnik challenge of 1957.

"The outcome can be the same," Kissinger told the Pilgrims Society, an Anglo-American friendship group.

"Only this time the giant step for mankind will be one that America and its closest partners take together for the benefit of all mankind."

The energy shortage "is not simply a product of the Arab-Israeli war," Kissinger said. "It is the inevitable consequence of the explosive growth of worldwide demand outrunning the incentives for supply."

Western Europe would join either as individual states or united as the European Community, Kissinger also left the door open for eventual Soviet and Eastern European participation.

The United States unveiled the plan at a time when the energy emergency and the onset of winter are causing a build-up of tension within Western Europe and in U.S. relations with the European allies. The oil crisis is likely to be the dominant issue at the Common Market summit meeting in Copenhagen beginning Friday.

Kissinger is due in Cairo later Thursday.

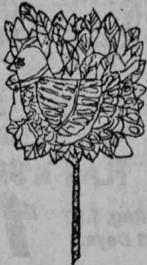
In his speech, Kissinger said the United States could solve its energy problems alone with great difficulty. Europe, he said, could not overcome the challenge "in isolation."

The plan as Kissinger outlined it:  
Conserving energy through more rational use of existing supplies.

Encouraging the discovery and development of new sources.  
Incentives to producers to increase supply.

An international program of research to develop new technologies that use energy more efficiently and provide alternatives to petroleum.

As an example of a job for the energy action group, Kissinger cited enriching uranium for use in nuclear power reactors. He said need for this raw material will be great in the 1980s and that European countries and Japan will wish to have their own facilities.



## the Young Junior

Christmas at Younkers



The red eye



Russ girl

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A. Long sleeve V-neck striped cardigan with button front in 50 per cent polyester, 50 per cent acrylic. S,M,L, red or navy. \$16. Matching vest is sleeveless, V-neck, S,M,L, in red or navy. \$10. Long sleeve turtle-neck in red, navy or cream. S,M,L, \$9. Solid hi-rise cuff pant with zip front and pockets. 60 per cent polyester, 40 per cent acrylic for easy care. 5 to 13, red, navy or cream. \$18.

B. Tweed or solid baseball jacket with stripe trim and button front in red or navy. 55 per cent polyester, 45 per cent acrylic. S,M,L, \$14. Tweed skirt with stripe waistband, gently flared. Red in sizes 5 to 13. \$11. Solid long sleeve placket front shirt in 50 per cent acrylic, 50 per cent polyester. Navy, cream or red in S,M,L, \$14. Tweed pants, red in sizes 5-11. Plaid pants, red in sizes 5-13. \$18.00

Have a fashion encounter with Russ Girl. Look what goes with me!

A. Long sleeve button front floral blouse of 50 per cent polyester, 50 per cent cotton, 5 to 11.8.50. With a solid gray belted flip skirt in 100 per cent polyester. Sizes 3 to 9. \$11. Topped off by a solid gray battle jacket with button front in sizes 3 to 9. \$19.

B. A button front long sleeve jacket in gray and pink check with tie waist. 100 per cent polyester in sizes 3 to 9. \$20. Slip-on flare leg pant in matching pink and gray check. 100 per cent polyester, sizes 3 to 9. \$14. The long sleeve button front shirt is 100 nylon in white only. Sizes 5 to 11. \$10.



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**Today  
on TV**

By JOHN BOWIE  
T.V. Specialist

Thursday

4:00 PHASERS ON STUN, Today's Star Trek, in a salute to today's astronomical D I, drags out the old "computer's gonna getcha" formula. It seems that Kirk has jettisoned a space pod with someone still in it, and is forced to stand trial when then computer log shows he did it prior to red alert. On 9. 7:00 THE WALTONS. Michael Glaser guest-stars as a biplane pilot who crash-lands on Walton territory. The plot is thickened by the fact that it's also Olivia Walton's birthday; a fact that, to the viewer's benefit, means that Michael Learned will be featured. Homilies and grits, on 2. VARIETY. At one time, The Flip Wilson Show centered around Wilson's brilliant ability to tell rambling, pointless stories, yet be incredibly funny in the telling. Sadly, the show has been blown up and over-produced, with that native ability lost somewhere in the shuffle. Tonight's bright spot will be Aretha Franklin, with Tim Conway providing the T V equivalent of a celestial "black hole." On 7.

9:00 SIREN SONG. Here's one program that's aptly named—The Streets of San Francisco has, for its most interesting and entertaining element, the streets of San Francisco. Karl Malden is there too, of course, and the usual guest stars, murderers, extortionists, etc. Somehow, though, they just get in the way of what would otherwise be a fine, quiet series. On 9.

10:30 POTENTIAL DISASTER. Someone at ABC must have been frightened enough by the oil shortage to swing pro-Arab; tonight's Salute to Israel—25 is hosted by—hold your breath—Alan King. Should prove to be a subtle, touching tribute, considering King's forte. Yes indeed. On 9.

11:00 SPEAKING FREELY. A late-night treat—Gunter Grass, contemporary German novelist with such diverse works as The Tin Drum and From the Diary of a Snail to his credit, spends an hour discussing life, literature, and other trivialities. On 12.

Friday

7:30 CARTOON SPECIAL. Something fine to start the evening off—a repeat of A Christmas Carol, the animated Academy Award-winner of several years back. The backgrounds and eerie movements of the pen-and-ink characters combine to create one of the best experiments in visual theater ever attempted. Michael Redgrave narrates, on 9.

9:00 WINNING IS EVERYTHING. Ernest Borgnine has never been a subtle actor, but for this hour's-worth of hoopla he doesn't have to be. Portrait: Legend In Granite is the story of Vince Lombardi's 1959 drive to make the Green Bay Packers Numero Uno. Incredibly aged, looking more like Lombardi than Lombardi did, Borgnine gets across the late coach's philosophy in a fierce way—a philosophy epitomized by the statement "I think the rights of the individual have been put above everything else. Which I don't think is right." On 9.

10:30 COMEDY. Preston Sturges' 1944 film The Miracle of Morgan's Creek is a little on the long side, but it does have its moments—maybe three, maybe four. The plot centers around a woman who, during an all-night drunk, marries and is "impregnated" by an anonymous soldier. With Betty Hutton, Eddie Bracken, and William Demarest. On 2.

12:00 MIDNIGHT SPECIAL. Loggins and Messina host ninety minutes of slick rock amidst slick sets and generally artsy camerawork. Along for the ride is Billy Preston, whose music has degenerated almost as quickly as his fame and resultant commercialism have risen. On 7. SCI-FI. Another Tommy Kirk teen-horror to round out the evening. Mars Needs Women, besides having one of the silliest plots in movie history, also has some of the tackiest special effects. A ray gun that was obviously a Dymo-Labelmaker five minutes before the cameras came on somehow isn't exactly the terrifying instrument it was intended to be. On 9.



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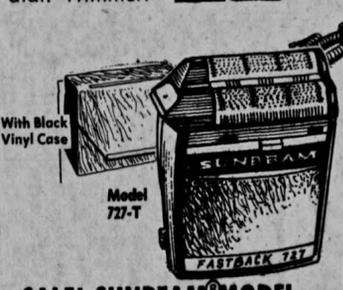
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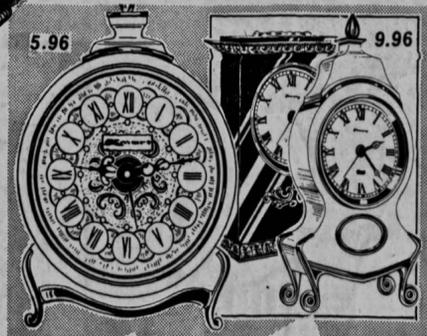
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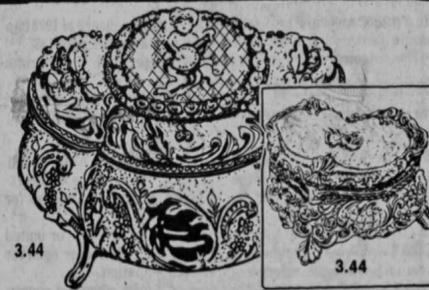
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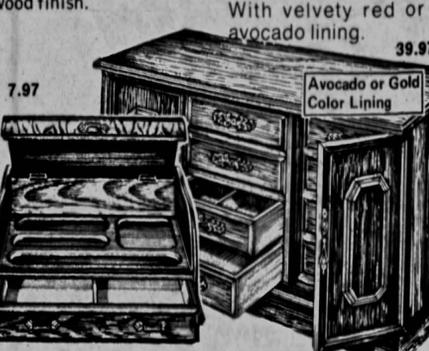
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With velvety red or  
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Wooden, with one draw-  
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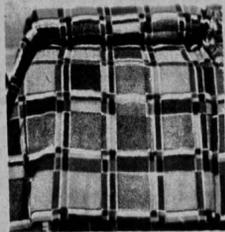
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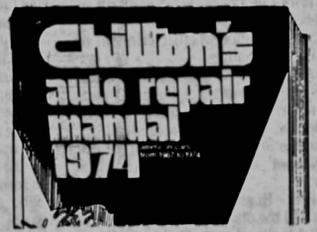
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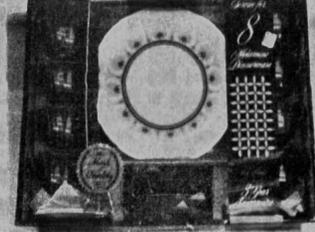
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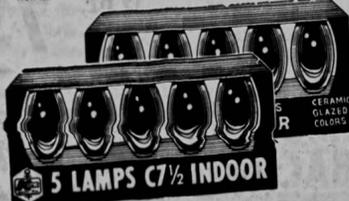
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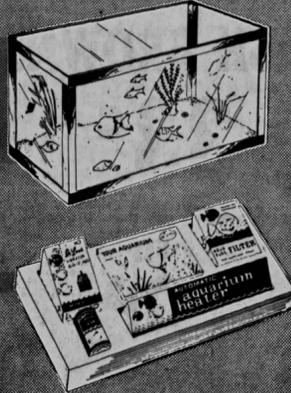


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Our Reg. 7.66 ..... 4.97



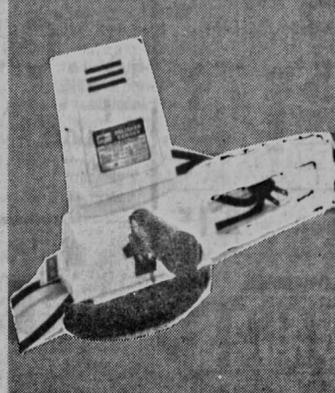
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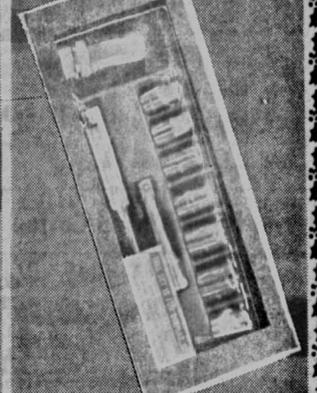
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IOWA CITY

# Police record, file all encounters; some data public, some regulated

**Editor's Note**—This is the first of two articles looking at criminal arrest record files. Today's article deals with the Iowa City Police Department's criteria and procedures for placing information into their filing system, and Friday's explores what use is made of these files and statistics.

By JOHN SIVERTSEN  
Staff Writer

The Iowa City Police Department records and files any encounter by an individual with the city police whether criminal or non-criminal in nature.

According to Sgt. Donald Hogan, records officer for the Iowa City Police Department, a person's criminal record is public information, citing that Chapter 68A, Section 9 of the Iowa Code says that "current and present arrests are public information."

However, Hogan said that the police always add the disposition of the arrest to an individual's record. If the person is arrested, tried in court, and eventually found not guilty, this final court decision will be included in the individual's file.

However, any information obtained through investigation of a person's possible connection with a crime is not public record, according to Hogan. Only after the police arrest and some final disposition of the offense is completed can the department give any information to an interested third party.

"To release any investigatory information prior to a person's trial would be

for me to in effect pronounce the man guilty before he had his day in court," Hogan said.

When requested the police can make public only a limited amount of information. They can report the type of criminal offense, the date of the arrest, and the final disposition of the case.

Hogan stated that interested parties can often discover more information concerning facts of a crime through the media.

Hogan said that requests for information about a person's possible criminal record come from a variety of sources. Credit bureaus and employment agencies, as well as other police departments, are typical parties making criminal record information requests.

If an individual is accused of a crime, but the charge is finally dismissed, then the Iowa City police will not release to the public any information about the initial charge.

"If a charge is dismissed, then we treat the person's record as if a charge had never been made," Hogan said.

However, Hogan admitted that even if the charge is dismissed the Iowa City Police Department will maintain the file after making this information part of the file.

This file would not be available to the public, because the charges were dismissed, but would be available for other police departments' use, if requested.

The recording of a criminal offense

begins with the initial complaint. The police must verify each complaint before they treat it as an actual crime to be recorded.

"Every report has to be investigated, we just don't take them off the phone," said David Epstein, director of public safety.

After an alleged crime has been substantiated, the Federal Bureau of Investigation (FBI) index of offenses is used to classify crimes in a uniform manner. After the offenses are classified by local police they are recorded on a "Consolidated Daily Report" which is sent to the FBI.

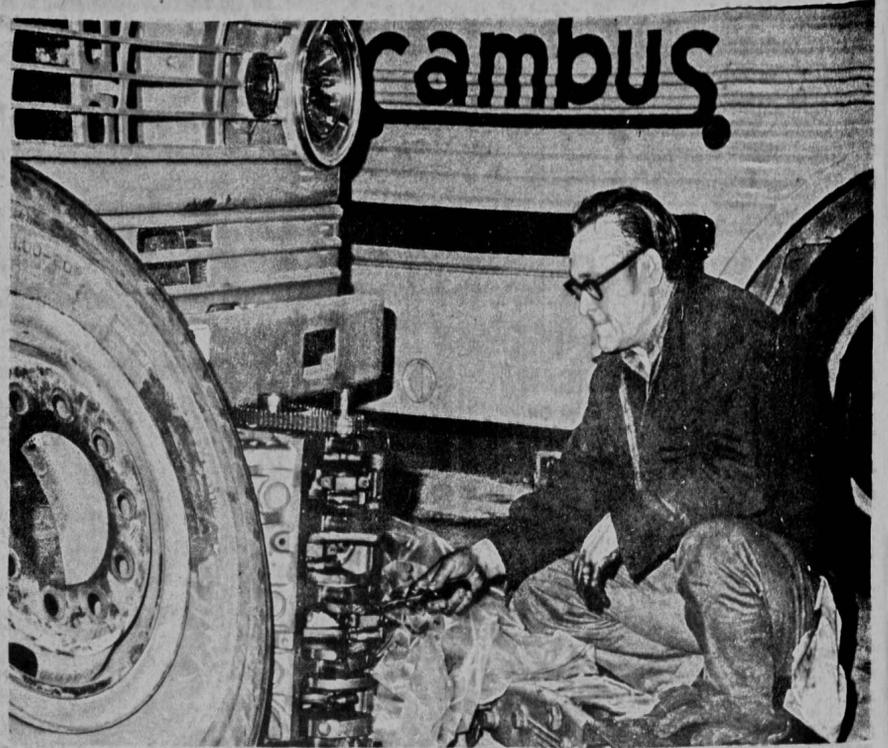
There are several main classes of offenses. They are: criminal homicide, forcible rape, robbery, assault, burglary, larceny-theft, and auto theft. These classifications of crimes appear in the FBI Uniform Crime Report which is a consolidation of individual police force statistics.

The offenses are filed and cross-filed in the Iowa City Police Department's own Bureau of Records, also on a daily basis. This filing of crimes has become a larger job than it was several years ago.

According to Hogan, this record system has only been in effect since last May in Iowa City.

"Previously nobody specifically was in charge, and the people just did the best job they could," he said.

However, the work became more than they could handle, and Hogan said, "We had to hire two more clerks just to work on criminal record keeping."

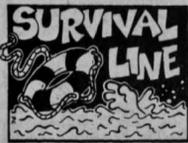


Pit stop

Photo by Jim Trump

When something goes wrong with a campus bus the vehicle is herded off to the new CAMPUS barn for repairs. "Swede," the head mechanic, works on the engine of an express bus that was temporarily out of commission.

bob keith



## Final tips for bicycle maintenance

This is the last in our bicycle maintenance series. It's high time most sane souls were packing their bikes away for the winter, and we'll not torment you with features that only remind you of fairer days and country rides. We may have a few more suggestions for you next spring.

Today you're going to learn a little bit about wheel bearings. We can't tell you everything, and you really should have a picture to look at. Perhaps it's not too late to ask Santa for a bicycle repair manual for Christmas. We can give you a good idea of what's what, however, and if you're adventuresome you needn't hesitate to tackle a hub overhaul with practically no knowledge at all (which this column will adequately provide). You will need a couple of cheap wrenches called cone wrenches or spanners. Buy them from someone who can tell you what size you'll need for your bike and hopefully give you some idea of what you do with them.

The first thing you do is take off the front wheel. That you should be able to figure out for yourself, just remember to turn the nuts counterclockwise. Now, lay it down on a nice clean rag. Reach under the wheel and position your spanner on the cone. The what? The screwy whatsit inside the lock nut; it'll be sort of conical and notched so that your thin spanner will just fit it (like we said, ask the salesperson when you buy the wrench how to use it). Okay, with the cone wrench (spanner) holding on to the axle so it won't spin, you can now unscrew the lock nut and cone on the top side of the wheel. Remove the lock nut, washer, and cone completely from the axle.

There will likely be a dust ring holding the wheel bearings down in the hub. This will pop out with the gentle assistance of a screwdriver. Beneath the ring you'll find the bearings. Count them before you take them out! There should be an equal number on each side of the wheel, and the bearings

should be smooth and round. Put all small parts in a jar of solvent for cleaning and finding purposes.

Now, turn the wheel over. Hold the axle so that it doesn't fall out and scatter bearings. Remove the axle, with cone and lock nut attached, and put it in the jar. Remove the dust ring and bearings as before. Do you have the same number of metal balls? Are any of them pitted or scratched? Replace any bad ones with new ones of the exact same size.

Clean everything. Run a rag through the wheel to get all the old dirty grease out. When that's done, you can begin reassembly. Now's a good time to remember that you forgot to buy special cycle grease at the shop.

Start by putting a generous amount of clean grease into the cup you took the bearings out of. Then position the bearings (be sure you get the right number) in the grease. Start the dust ring back into place, insert the axle about half-way into the hole, and then tap down the ring. Slide the axle with the

cone and locknut still attached through the wheel and hold it there while you turn the wheel over to work on the other side. Pack the grease into the hub again, insert the bearings and the dust ring, and then screw down the cone until it's hand-tight. Slip the washer onto the axle (the axle may be slotted and the washer may have a little bur that fits in the slot), and screw on the lock nut. Tighten the cone until it's snug, then back off a half-turn and tighten down the lock nut. Give the wheel a spin test. You'll have to experiment several times until the cone is tight so that there's very little lateral motion, but not so tight as to make it hard to spin.

We've run out of room. The back wheel is basically the same, except that one- and three-speed bike owners are advised to go to the shop as special tools are needed. Ten-speed owners will want to go to the shop to have their freewheel loosened, after that it's just like up front. See you next spring.

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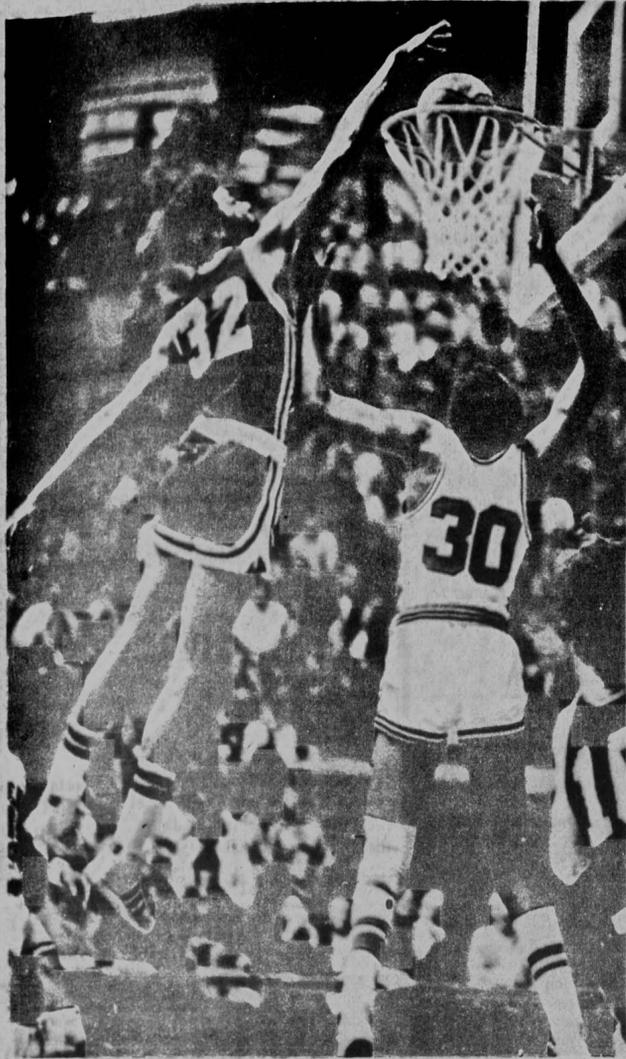
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# Iowa V-R's out-man William Penn 75-45

By GREG LUND  
Asst. Sports Editor  
Iowa's Junior-Varsity used its height to good advantage Wednesday night and walked away from a much smaller William Penn squad, 75-45.  
The Hawks took the lead early in the contest and slowly built a 30 point margin behind the scoring and shooting of Bruce King, Stan Petratis and Glen Worley.  
Worley finished with 14 points and eight rebounds for the night to lead all scorers.  
The freshman from New York also played in the varsity's 105-67 loss to Kansas State Tuesday night, plus practicing for an hour with the squad Wednesday afternoon.  
Petratis chipped in with 12

points and 14 rebounds for the evening and King added 13 points and seven caroms.  
Coach Joe Roberts was pleased with the team's defense, which limited Penn to 19 points in the first half.  
"We had much better defensive concentration," said Roberts. "I was pleased with some of the improved performances of players like Petratis, King, Worley and Archie Mays."  
"Worley needs to play more," he added. "So we thought we would give him some more experience."  
The Hawks outshot their opponents 46 per cent to 29 per cent and held a 52 to 44 rebounding edge.  
An odd statistic was the

Hawks shot only one free throw during the entire game. The game also was marred by numerous turnovers.  
Although the Hawks obviously outmanned William Penn, Roberts warned of a tougher schedule starting after semester break.  
"It's hard to tell about the team with the opposition we've played," he said. "Drake was a good ballclub but we'll play a better caliber of teams during the second semester."  
The J-V's play host to Kirkwood Junior College Friday night prior to the Varsity's encounter with Kentucky. Tipoff time is 5:20 p.m.  
The win leaves the Hawks with a 3-1 record on the season.

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## No charges filed

# Cesar Cedeno questioned

SANTO DOMINGO (AP) — Cesar Cedeno, the 22-year-old star outfielder of the Houston Astros, was questioned by officials for more than two hours Wednesday in the fatal shooting of Altigracia de la Cruz, but no charges were filed.  
Cedeno, who had been jailed since the death of the 19-year-old woman in a hotel room early Tuesday, was returned to his cell despite efforts by his lawyers to get him released on bail.  
A justice department spokesman said Cedeno would be held until the judge who is questioning him decides whether to send the case to a civil court where, if he is charged, bail could be set.  
A decision was expected Thursday at the earliest, he added.  
Cedeno contended that Miss de la Cruz was

shot in the head accidentally when she was "toying" with a pistol Cedeno owned. Police said Cedeno did not have a permit for the weapon but had been given "special authorization" to carry it.  
Cedeno notified the hotel clerk of the incident immediately, but arrived at police headquarters some six hours later with his father.  
At the justice department with Cedeno Wednesday were his wife, Cora, and a scout for the Astros, Epifanio Guerrero, who spoke with him briefly.  
Cedeno declined to talk to newsmen.  
Cedeno, a native of the Dominican Republic, was in Santo Domingo to play winter ball.

## Buffalo's Simpson a reporter's delight

BUFFALO, N.Y. (AP) — The game over, the Buffalo Bills walk into the dressing room and the sports writers and broadcasters begin the interviews.  
Their primary target: O.J. Simpson.  
To a man, all of the newsmen agree that the great Buffalo running back is one of the most cooperative athletes they have interviewed. He's patient, never curt and doesn't cut them off. He still is in uniform long after his teammates have showered and left.  
Time and again he's asked the same question. He answers the question, sometimes a half-dozen or more times.  
Simpson, the National Football League's rushing leader who is in reach of the famed Jim Brown's single-season rushing record, is a 26-year-old native of San Francisco who won All-American honors and the Heisman Trophy in 1968 at Southern California. He came to the Bills as the NFL's No. 1 draft pick in 1969.  
His first three years as a pro were lean. In that span, Buffalo won only 8 games, lost 33 and tied 1.  
Things changed last year as Lou Saban, in his second stint as Buffalo's coach, began a rebuilding program. Even with an off-injured offensive line, Simpson carried 292 times for 1,251 yards—best in the league.  
O.J. has already rushed for 1,803 yards on 298 carries this year.  
Against the New York Jets Sunday, he needs just 61 yards to surpass Brown's record of 1,863, set in 1963. Eight more carries and he will top Brown's record of 305 in 1961.  
Last Sunday, Simpson raced for 219 yards on the snow-covered turf for his 10th 100-plus-yards game of the season. Brown had held the old record of nine, set in 1958 and equaled in 1963.  
While professing a great desire to get the single-season rushing record, Simpson wants the Bills to break the team rushing record of 2,960 yards set by the Miami Dolphins last year. The bills need 177 yards against the Jets to do so.  
Of Simpson's chance to get the single-season record, guard Reggie McKenzie says, "We'll get it for him, even if we have to run him 64 times."

## Hot Stove League



## chuck hickman

It was one of those days last week that Skip Carey would describe as "crisp and cool as a bottle Bush." Cars were stuck in the parking lot on a sheet of ice and glaciers seemed to be moving down the street. Winter had just started and yet here was baseball, hogging the sports pages as clubs dealt off the hired hands at the Houston meetings.  
In December, you play baseball in the mind—Sunday doubleheaders and late games from the coast; hot dogs, plays at the plate, a rain delay on a July afternoon. Who cares if it's snowing, baseball was back and Halsey Hall was probably saying "Hot 'nuff for ya', Herb?"  
The trades and tirades made last week were large in volume but minimal in long range significance. The essence of most teams remains unchanged, and Baltimore, Oakland, Cincinnati and Pittsburgh are still the winter book favorites.  
But baseball talk was a warming thought on a cold day, and one could almost imagine Nestor Chylack dusting off home plate. The Brewers just sent me the 1974 schedule, and for those who like to plan ahead, the home season starts on April 15. (Wanna bet?)  
There were trades of note, and I must question the grounds for the most important one. Montreal relief ace Mike Marshall to the Dodgers for Willie Davis. It was no secret Marshall was through in Canada after suggesting his infield belonged in Cucamonga, but it's hard to figure why L.A. would part with Davis, the

team leader and a potent all-around player. Walt Alston has plenty of pitching and Jim Wynn ain't gonna fill the garden left by Davis. Strange.  
The Cubs managed to clean house on everybody but Billy Williams, and will provide the most interesting saga of early 1974. Despite Ron Santo's talent, the Wringleys are probably better off without him as they rebuild from the bottom. The White Sox, who couldn't force themselves to trade for a needed right handed power hitter, got a break when Santo pronounced he would only wear Pale Hose. The Cubs try to avoid intra-city deals, but were forced to dump Ronnie on the South Side for whatever Rollie Hemond felt like giving up, which was a bunch of question marks.  
Also worth note are the Boston Red Sox, who will no longer be able to give the excuse of bad pitching for their also-ran status. After soaking the Cardinals for Rick Wise and Reggie Cleveland at the price of sorehead Reggie Smith and some slab prospects, the Beantown Dudes present an image unknown to their ancestors.  
Former Fenway favorite Strange-glove Stuart wouldn't recognize the expert dealers, but would feel more at home after inspecting the crummy defense on the left side of the infield, manned by cranky Rico Petrocelli and fossil Luis Aparicio. A nice try to improve by GM Dick O'Connell, who even bought Juan Marichal, but probably not quite enough to catch Baltimore, which made a smart pickup in Reds' pitcher Ross

Grimsey.  
Finally, the best news to come out of the meetings was the return of Washington D.C. to the major leagues. Franchise shifts are the bane of baseball, but this one was long overdue. The San Diego Padres were doomed from the start in an area which simply doesn't have the population to support a major league team.  
Non-thinkers in the diamond world say Washington is a bad baseball town because it ignored the lamented Senators. That's stupid. Thanks to bad management, D.C. fans never had anything to support except the worst team in the majors for nearly 40 straight seasons.  
Why pay the league's highest ticket prices to watch the earthly remains of a team pillaged by the trades of owner Clark Griffith and later Bob Short. Fact is, the D.C. area has a comparatively high and steady income to spend on sports, a fine new stadium to watch them in, and a desire to see National League baseball.  
The Padres carry two home run stars, Nate Colbert and Willie McCovey, who should appeal to the city's sizable black population. With the intelligent new ownership, the team will have a chance to grow and prosper on the field and at the gate. The new entry might even prove attractive enough to cause additional attendance problems in Baltimore, 40 miles up the road, where fans already ignore a consistently good show. The Padres won't fail in D.C., but unfortunately the nearby O's may soon want a new nest.

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His goal: to show that pre-Columbian culture might have ancient Mediterranean sources, by crossing the Atlantic in an archetypal papyrus raft. His course: a 57-day voyage of 3,270 miles from Africa to Barbados. His watch: a Rolex Oyster Perpetual Chronometer.  
Ra II's drenched hull sank to deck level in gale-wracked seas, and barnacles sprouted round her mast. But her crew, like their forebears, discovered papyrus topsides were stronger wet than dry. And their landfall has linked New World idols with Phoenicia and the Pharaohs.  
Skipper Heyerdahl's Rolex, pressure-proof in any weather, and to extreme depths of inner space, was fit shipmate for this epic sail. Carved from a single block of surgical stainless steel, its pressure-proof Oyster case guards a superb self-winding movement, officially certified as a chronometer.  
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## Entry fee

Entries are due this Friday for men's, women's and coed intramural basketball. A ten dollar participation fee must accompany all entries.

## Kunzman

ONTARIO, Calif. (AP) — Lee Kunzman remained in critical condition Wednesday with head injuries suffered Tuesday when his race car crashed at Ontario Motor Speedway, a hospital spokesman said.

The spokesman said the 20-year-old native of Guttenberg, Iowa, was still comatose and under intensive care at San Antonio Community Hospital in nearby Upland.

Kunzman, a veteran sprint car driver whose first full year in Indianapolis type racing was 1972, was testing tires when the Offenhauser-powered Eagle slammed into the wall. Jim Cook, OMS general manager, said Kunzman suffered a severe concussion but no fracture.

## Bryant

BLOOMINGTON, Minn. (AP) — To accuse the Minnesota Vikings of being "fat cats" would be a direct insult to 170-pound Bobby Bryant.

Bryant played as if he was insulted when he intercepted three passes Saturday, returning one for a 46-yard touchdown and another 40 yards to set up a field goal as the Vikings slammed the Green Bay Packers 31-7.

"We were embarrassed by Cincinnati the week before and we were sort of flat that game, coupled with Cincinnati being sky high," said Bryant. "Many people and some writers were saying we were too fat...that the Vikings were already counting their Super Bowl money."

Bryant's play, typical of his game-breaking fashion in recent seasons, earned him the award Wednesday as The Associated Press Defensive Player of the Week.

Bryant's TD return gave the playoff-bound Vikings a 14-0 first-quarter lead and started them toward their 11th victory in 13 starts.

The 6-foot, six-year veteran has intercepted six passes in establishing himself as a standout on a Viking defense that boasts such stars as Alan Page, Carl Eller, Jim Marshall and Paul Krause.

He is proving to be a cool character to opposing offenses with his best season since intercepting eight passes on Minnesota's 1969 Super Bowl team.

## Suits

CHICAGO (AP) — Bill Staley, 27, former Chicago Bear defensive tackle who was injured during the 1972 National Football League season, Wednesday filed a \$65,000 breach of contract suit against the Bears in Circuit Court.

Staley played three seasons for the Bears whom he charged violated a two-year contract.

The suit referred to a 1972-73 contract signed before the 1972 season. Staley said he suffered "incapacitating knee injuries" last year which led to the Bears dropping him from the team prior to the 1973 season.

Staley now is a car dealer in Ukiah, Calif.

## Wrestling

Iowa's unbeaten wrestling team will be at home against Illinois tonight in the Fieldhouse. Starting time is 7:30.

## UCLA coach

LOS ANGELES (AP) — Dick Vermeil, offensive co-ordinator for the Los Angeles Rams, was named head football coach at UCLA Wednesday.

Vermeil, 37, was with the Rams for four years under coaches George Allen, Tommy Prothro and Chuck Knox. At UCLA, he replaces Pepper Rodgers, head man the last three years, who left last week to take a similar post at Georgia Tech.

## Banned

BOSTON (AP) — Barbara Borin, a sportscaster on WNAC-TV in Boston, wound up National Football League season with an 0-7 record against the New England Patriots.

Miss Borin, 24, who anchors the telecasts of the Pats' home games in nearby Foxboro, Mass., was unsuccessful in her seasonlong crusade to invade the team's dressing room for postgame interviews.

But she says she'll try again next year.

Meantime, the dispute is in the hands of attorneys for the CBS affiliate. Mel Bernstein, the station's program manager, says attorneys have thus far made no more progress with the Pats than Barbara did.

"I would hope we could sit down with the Patriots and discuss this situation in February," he said.

Miss Borin said she turned over her demand for equal rights to lawyers because "I just didn't care to demean my personal position anymore."

Miss Borin, who says that by being banned from the locker room she is an hour behind her competitors in gathering information on the Pats' games, had sought a compromise that would have allowed her to interview players in a "neutral" area near the locker room. But Chuck Fairbanks, head coach and general manager, wouldn't even buy that.

"I will just have to use accommodations that I have gained from the other Boston teams as examples to the Patriots," she said, looking forward to the 1974 season.

Both the Boston Celtics of the National Basketball Association and the Boston Bruins of the National Hockey League allow Miss Borin to set up interviews with players in an area outside the main locker room.

## Nolan possible successor

# Giants' Webster resigns

JERSEY CITY, N.J. (AP) — Alex Webster, his dreams of a championship turned to ashes in a season riddled with defeat and dissension, resigned Wednesday as head coach of the New York Giants.

The former All-Pro running back, whose Giants began the 1973 National Football League campaign with a perfect exhibition record before tumbling into the cellar of the National Conference East, will conclude five years as the team's coach Sunday against the Minnesota Vikings.

The speculation surrounding a possible successor to Webster began instantly, with Dick Nolan, whose contract as head coach of the San Francisco

49ers ends this year, mentioned most often.

Even before the Giants' 40-6 shellacking last Monday night by the Los Angeles Rams, Webster had told club owner Wellington Mara that he had decided to call it quits.

Webster always demanded nothing more than a one-year contract "because I always said I wouldn't want a job if I couldn't be successful at it..."

Quarterback Randy Johnson and running back Charlie Evans, whose loud and bitter complaints about the running of the team were only the tip of the iceberg of dissension, were most vocal in their support of Webster after the announcement of his resignation.

"Was I surprised? Not at all.

Nobody was surprised," said Johnson, who had quit the team for a few weeks midway in the season, angry at not getting a chance to replace Norm Snead and perhaps get the team untracked.

"Alex was just very frustrated," Johnson said. "He had run out of things to do and he always told us that when he felt he wasn't doing the job he'd step down. He said he appreciated our effort. He thanked us for it, but said the team needed help."

"It was a conglomeration of things," Johnson said of the Giants' sorry 2-10-1 season.

Webster, Allie Sherman's successor at the start of the 1969 season, was a surprising selection. The warm, friendly favor-

ite of the Giants' fans had never coached before.

But "Big Red," who had become one of the Giants' greatest running backs during 1955-64, surprised a lot of people even more.

The Giants finished second with a 6-8 record in 1969 and second again at 9-5 in 1970. The next year, though, they fell to 4-10. But last year they rebounded to 8-6 and, combining a strong finish and their 6-0 exhibition record this season, gave New York's long-suffering fans hope for a title or at least a playoff berth.

After a victory over Houston and a tie against Philadelphia, though, the Giants hit the skids, losing seven straight games.

# Ageless Brown may keep backs from joining elite 1,000-yard club

CINCINNATI (AP) — Ageless Paul Brown, who denies he's any meaner or mellow after nearly four decades of football wars, says he has no plans to bend one of his oldest rules, even if it means keeping a pair of his record-setting running backs from joining the glamorous 1,000-yard club.

"I haven't changed one bit. Records mean nothing to me. I don't care if a guy ends up at 999½ yards," said the 65-year-old coach of the National Football League Cincinnati Bengals.

"To win is everything," he said, echoing the words he's

passed down for more than a generation.

Sunday will offer a test to his longtime theory of "team first, records second."

The Bengals, 9-4, can lock up the American Conference Central Division title by beating the Houston Oilers.

Running backs Essex Johnson and rookie Charles "Boobie" Clark will be attempting to become only the second duo in National Football League history to crack 1,000 yards in the same season.

"Whatever comes about will be done by nature," says Brown.

Johnson, with a career-high 965 yards, needs only 35 to become the latest inductee into one of the NFL's most exclusive clubs.

Clark, the 302nd player drafted in pro football's annual talent grab, has 993. He's threatening to become only the sixth rookie in NFL history to scale the 1,000-yard plateau.

Brown offers little optimism to the fans who are hoping Johnson and Clark join Miami's Larry Csonka and Mercury Morris as 1,000-yard rushers in the same season. The Dolphin backs did it in 1972.

"All my life I've wanted my

teams to think of the team first. If we win and set records, that's fine too. But winning comes first," said Brown, who has won a sensational 73 per cent of the games in his 39-year coaching career.

He recalls a time while coaching at Cleveland when he drew the fans' ire for not keeping a player in long enough to break a record.

"I pulled Bobby Mitchell out of a game in the third quarter to avoid losing him to a possible injury. I didn't know he needed a couple yards for an NFL record. I don't pay any attention to that sort of thing," said Brown.

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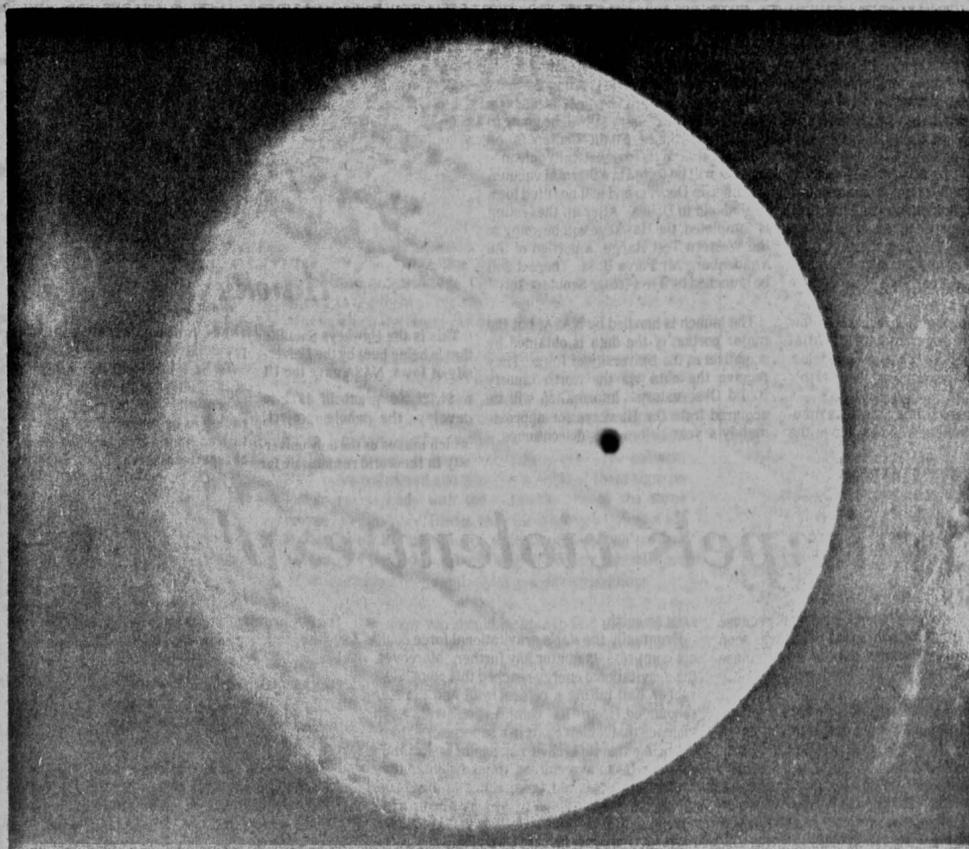
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**This is Jupiter**

Jupiter's Red Spot and a shadow of the moon, Io, plus Jupiter's cloud structure are shown in this photograph taken on December 1, at 11:02 p.m. Pioneer Standard Time as NASA's Pioneer 10 spacecraft was about 1.5 million miles from the giant planet.

The images are made on tapes, which are flown

into the University of Arizona at Tucson daily and processed in black and white and in color, after being run through a computer to clear-up the image.

According to James Van Allen, head of the UI Physics and Astronomy Department, this picture is the best ever taken of Jupiter.

Photo by NASA

## Pioneer 10 encounters belt, photographs Jupiter

By BOB CRAIG  
Assistant Feature Editor

The planet Jupiter has been the object of scientific speculation since the invention of the telescope by Galileo in 1609. Much of that speculation has either become fact or fiction during the past week as the Pioneer 10 spacecraft flew by Jupiter in one of the most perfectly executed missions in The National Space and Aeronautics Administration's history.

Pioneer lifted off from Cape Canaveral March 3, 1972, and has travelled toward Jupiter at a speed of almost one million miles per day.

The first encounter that was considered a danger to the project was the Asteroid Belt between Mars and Jupiter. The spacecraft crossed this area of space (another space first) last August without suffering any damage from high-velocity asteroidal particles, proving that the belt will pose little hazard to outer planet missions.

### Passes Jupiter

Six hundred-forty days and 620 million miles after take off, Pioneer 10 made its long awaited pass of Jupiter. The distance from Earth was so great that it took scientists 46 minutes to send a command to the spacecraft and 46 minutes to receive signals from the spacecraft indicating that the command had been carried out. Most of the commands were pre-logged on tape and sent automatically by computer to avoid human error.

Scientists had positioned data receiving and sending spots in Spain, Australia and California which enabled them to remain in contact with Pioneer at all times despite the rotation of the Earth.

Four and one-half million miles from Jupiter, Pioneer began to feel the effects of the planet whose size is that of 318 Earth's.

### Assesses belts

One of Pioneer 10's objectives was to discover how powerful the radiation belts that surround the planet are. The belts are due to the planet's magnetic field, which is similar to, but 100-million times stronger than the Earth's. The magnetic field is the force that causes a compass to point North.

How is the magnetic field responsible for the radiation belts? The sun emits charged (radiating) particles which travel in waves through space; the waves are called solar wind. When the solar wind contacts the magnetic field, the field attracts the charged particles, as a magnet attracts another magnet, and holds them. The trapped particles are the radiation belts.

Prof. James Van Allen, head of the UI Physics and Astronomy Department, has an experiment on Pioneer 10 called the Geiger-tube telescope that measures the number of charged particles in the radiation belt.

These radiation belts were the second major problem that needed to be overcome by Pioneer. All 13 of the scientific teams involved in the mission were aware of the possibility that the spacecraft might come too close to the most powerful region of radiation and be destroyed. The ideal result then was to pass-by the planet at just the right distance, enabling the scientists to obtain the best possible experimental data, without damaging the sensitive equipment on board. The chance of success was slim.

However, NASA wanted the information bad enough to use Pioneer 10 as a "trial-run." And on April 5, 1973, launched Pioneer 11, the exact same vehicle, with one added experiment, on approximately the same course. If Pioneer 10 would have been destroyed, NASA would have adjusted Pioneer 11's approach to the planet and kept it farther from the radiation belts. Or, if the radiation was not overly severe, they could have brought the

spacecraft closer for a better look.

As it turned out, Pioneer 10 travelled about as close to Jupiter as it could have, without receiving major damage. Most of the experiments were still operating at 100 per cent efficiency after the pass.

Van Allen says that the Jovian radiation belts are a million times stronger than the Earth's. "This precludes the possibility of a manned flight to Jupiter or to any of its four inner moons. The radiation would kill a man travelling within half a million miles of Jupiter," he said. "It is still possible that there is life on the planet, however, because the planet's surface is probably protected by its atmosphere."

"The temperature on the planet's surface, as recorded through the use of an infrared camera on Pioneer 10, does preclude life as we know it on earth though," added Roger Randall, a UI engineer who is also working on the project. That temperature is negative 208 degrees Fahrenheit. The temperatures of the five inner moons were all found to be around negative 244 degrees Fahrenheit.

According to Van Allen, Pioneer 10 confirmed the presence of an atmosphere surrounding the moon Io. In a major sur-

prise, ultraviolet photos revealed that the moon also has an ionosphere.

Jupiter uniquely radiates two-and-one-half times as much energy as it receives from the sun. Although data is not conclusive, Van Allen said that he believes the heat radiates because the planet is still in the tail end of its evolution. This would mean that the planet's surface is undergoing great changes and that the over-all planet is shrinking in size. Van Allen added that the planet would only need to shrink "one centimeter per century to give off that amount of heat."

Another result of the mission was to discover that there was no appreciable dust belt around the equator of the planet as had been anticipated.

One aspect of Jupiter still remains a mystery—the giant Red Spot on its surface. The spot is the size of three earths; its brilliance fluctuates as it "bobs" across the planet's surface. The spot mysteriously disappears every 30 Earth years.

No instruments were on board Pioneer 10 that could analyze it closely. Infrared photograph revealed that it was the same temperature as the orange gaseous

clouds of the planets atmosphere. In 1977, when the Marine-Jupiter-Saturn spacecraft travels to Jupiter, a giant spectrometer will be on board that will give a detailed analysis of the spot. This instrument was too large to place on Pioneer 10; it would have taken up 50 per cent of the craft's payload.

The major question that confronts the 14 scientists who have projects on Pioneer 11 is what to do with the sister space craft. Since all the experiments were successful, it would be nice to try another approach to the Pioneer 11 mission, rather than to repeat the same experiments. The major variable in the decision is Van Allen's experiment.

### Supports option

The primary optional plan, which has the support of two-thirds of the members of the Pioneer 11 Board, will send the spacecraft closer to Jupiter, make a partial orbit of the planet and swing away using the planet's gravity to "sling" the ship towards Saturn. The ship's instruments could then be used to make the same tests of Saturn that Pioneer 10 made of Jupiter.

The problem is the radiation; it may destroy the ship or its experiments, but if the adjusted approach would work, "it would be a free ride to Saturn," as Van Allen puts it.

The group will decide what "course" to take in a meeting this afternoon in San Francisco.

Meanwhile, Pioneer 10 is continuing to collect data and to take pictures as it recedes into deep space at a speed of approximately 82,000 m.p.h. The spacecraft will cross Saturn's orbit in 1976, Uranus' in 1979, Neptune's in 1983 and Pluto's in 1987. It will collect data and send information back to Earth until its capacity for communication dies, somewhere near Uranus' orbit or 1.5 billion miles out.

### Advances to Taurus

Van Allen said that "the trajectory of the spacecraft will definitely carry it out of our solar system." Its final destination is in the constellation Taurus. Barring mishap, it will reach Taurus in several million years.

In what Van Allen terms "a whimsical gesture," NASA placed a plaque on the outside of both Pioneer ships that will identify Earth's position in the galaxy, in case a group of Taurians happen to discover one of the vehicles.

The total cost of both spacecrafts and their data-processing mechanisms is \$100 million.

## 'Star' perplexes priests, pedants

By BOB JONES  
Feature Writer

Jewish legendry holds that the coming of the Messiah was to be heralded by a blazing star; such a phenomenon was also predicted by Old Testament ancients.

Speculation in the scientific community and among Christian scholars and exegetes over what on earth the Star of Bethlehem really was has resulted in a plethora of explanations over the centuries holding much interest but little conclusive water.

In 1603, German astronomer Johannes Kepler saw that Jupiter and Saturn were in conjunction and that there occurred a similar conjunction of those bodies back in 7 B.C., thus appearing from the earth as one huge entity.

C.L. Ideler, another German

astronomer, found in the 1860s that thrice during 7 B.C. they were in conjunction; the third time they were so close that they blended into one.

This last idea was shot to bits shortly thereafter by Charles Pritchard (subsequently verified by the Greenwich observatory), who figured out that the planets in question were never closer together than twice the full moon's diameter.

The possibility of the Star being a nova or supernova has also been tossed around because the Star was extremely bright (thus noticeable at night and, possibly, during the day), it drew astrologers' attention because of its supposed great size and illumination, and it remained in the sky long enough to lead the three kings from Persia to the Nativity.

The suggestion of the Star

being a supernova first came from Kepler, receiving an inspirational flash while watching a supernova in 1604. Trouble is, no mention of such a phenomenon at approximately the date of Christ's birth has been run across in western—or Chinese—or Japanese—astronomical annals.

Numerous sacred writers down through the ages have proposed that the Star, with its shining tail leading the Wise Men, was a comet; this was also supported by the American astronomer R.A. Proctor.

In his "History of Comets" Lubienitus specifically lists the Star of Bethlehem as the most important comet in history.

A comet has been calculated to have come over Arabia, Syria and the Holy Land that year, visible to the naked eye.

(Herod was king of Jerusalem when this particular comet ap-

peared, prompting an emergency appointment with the Sibyl oracle in Rome. The pronouncement wasn't good; the comet heralded a boy destined for greatness above and beyond Herod. Something had to be done. As mentioned in the Gospel of Matthew, the king proclaimed that all male babies born in his country under the comet be put to death. He even killed his three sons—two of whom were babies. The comet stayed on, and a frantic Herod attempted suicide. He died five days afterward of what we're told was a "loathsome" disease.)

Twenty-seven appearances of Halley's Comet from 87 B.C. to 1910 A.D. have been recorded, but the closest to the birth date was 11 B.C. Science knows that that year Halley's Comet was right over Bethlehem, but its noted time of appearance was

seven years before Christ's birth (shortly after Herod's death in 4 B.C.)

The theology camp hasn't fared much better.

Stars as harbingers of important births and events were used by ancient scribes. The temple of Diana, Cicero writes, went up in flames the night Alexander the Great was born, causing local magi (wise men) to lament that the "plague and bane of Asia had been born that night."

The Star in relation to other sorts of miracles, mainly "nature miracles," has entered the debate. Such miracles are eschatological (symbolizing the end of an era, which days are to be marked with miracles). The Star, then, would be but one of numerous events signalling the age's end.

# Iowa readies new launch

By PAUL LANAGHAN  
Feature Writer

The Physics building not only contains the Departments of Physic and Astronomy. It is also the workshop for a group of scientists that design, construct, and control satellites. The University of Iowa is the only university in the world to build complete satellites. The scientists here are working on their sixth satellite, Hawkeye. Construction is just being completed and will be tested for the first quarter of the year, preparing for a launch in May of 1974.

The project began in 1968 when a proposal for the mission was sent to NASA. In 1971, the university was awarded a 4.1 million-dollar contract for a 31-month period.

Two years were spent designing the satellite, and it was not until 1972 that the hardware contracts were given out and construction begun. There are actually two spacecraft: a proto-flight and flight spacecraft. The proto-flight is the reserve; if anything should happen to the flight satellite, it would be launched. The proto-flight has been completed, subject to minor adjustments, and the flight satellite should be completed in a few weeks.

"When you build two spacecrafts, there is always the possibility that you might be

able to use the one that isn't flown," said John E. Rogers, the project manager. "Since this satellite is extremely small it seems unlikely that we will be able to adapt for another mission."

The satellite is small and light, it weighs only 60 pounds, so that the Scout rocket will be able to take it to the extreme heights that are required for the mission. The Hawkeye will be orbiting at about 13-19 earth radii, principally over the polar regions.

Besides the difficulty of designing the instruments for a small package the satellite designers were also hindered by the fact that magnetic metals cannot be used. The Hawkeye is carrying a magnetometer to measure electric fields, and magnetic metals on the satellite would interfere with the instrument.

The Hawkeye is carrying the experiments of three university scientists. The three principal investigators are Dr. James Van Allen, Dr. Louis A. Frank, and Dr. Donald A. Gurnett. The experiments are attempting to find out how the solar winds interact with the earth's magnetic field to produce natural phenomena like the Aurora Borealis.

One of the experiments is using a low energy proton electron differential analyzer to count the charged particles, and map their density in the earth's magnetosphere.

Another of the experiments will be mapping the geo-magnetic regions above the

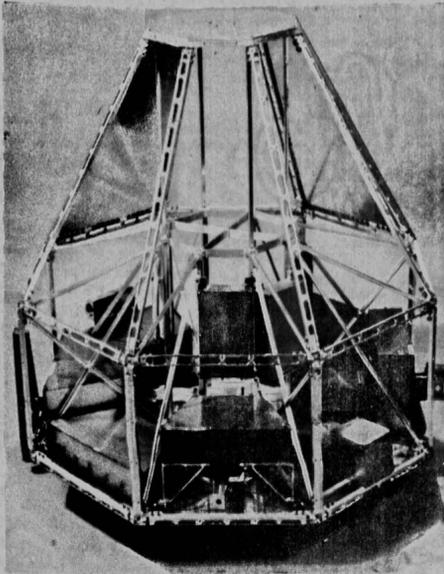
North Pole. This experiment is principally interested in the neutral point area, where the solar winds enter the earth's atmosphere.

The last experiment is studying the Very Low Frequency and Extremely High Frequency waves that have been detected in the earth's electrostatic and electromagnetic areas.

The three experiments are expected to give scientists new insight on how the earth's natural radiation belts are able to maintain a constant supply of charged particles. The sun is steadily bombarding these regions with new particles, yet their supply remains relatively the same.

The Hawkeye will be spending the next three months undergoing tests at various sites around the country. It will be going to the Godard Space Flight Center to be verified that it is magnetically clean. Later it will be tested in a thermal vacuum chamber in Denver, and will be fitted for a heat shield in Dallas. After all the testing is completed, the Hawkeye will be going to the Western Test Range, a portion of the Vandenberg Air Force Base. There it will be launched by a five-stage Scout rocket.

The launch is handled by NASA, but the major portion of the data is obtained by scientists at the University of Iowa. They receive the data via the North Liberty Radio Observatory. Information will be acquired from the Hawkeye for approximately a year before it is discontinued.



Hawkeye

This is the Hawkeye Satellite that is being built by the University of Iowa. NASA gave the UI a \$4,128,000 grant in 1972 to develop the whole project, which makes us the only university in the world responsible for such a complete satellite project.

To be launched in the spring of 1974, the satellite will provide information on the way the radiation belts around the Earth maintain their supply of charged particles.

## Taking the pulse of a supernova

# Astral energy impels violent explosion

By BOB CRAIG  
Assistant Feature Editor

University of Iowa astronomer John Rankin is seeking a \$60,000 grant from the National Science Foundation to continue his study of the Crab Nebula Pulsar.

Rankin, of the UI Astronomy Department, has been studying the pulsars for the last four years with funds from the UI Physics and Astronomy Department and with a previous \$15,400 grant from the foundation. With the new grant he will continue to observe the pulsar from Arecibo Observatory in Puerto Rico.

A pulsar is the core of a star which has undergone an immense explosion called a supernova. It gets its name from the regular pulses of optical and radio waves it emits. The Crab

Nebula Pulsar is one of the most famous because it is the remnant of a supernova which was seen in 1054 A.D. by American Indians, the Chinese and the Japanese.

Shortly before that time, a star barely visible in the constellation Taurus began running out of nuclear fuel; that is, almost all of its hydrogen had been converted to helium. The star's gravitational attraction for itself became greater than the force of the nuclear reaction which had held the star to its shape and the star began collapsing toward its center.

As the star collapsed, its core became so highly compressed that electrons of individual atoms couldn't spin around without hitting electrons from other atoms. Such nuclear matter, as dense as the nucleus of an ordinary atom, cannot

exist on earth.

Eventually the star's gravitational force could not compress its matter any further. Moreover, the gravitational energy reached this point like a rubber ball hitting a cement wall and the star rebounded from its compression with such violence that it blew apart in a supernova.

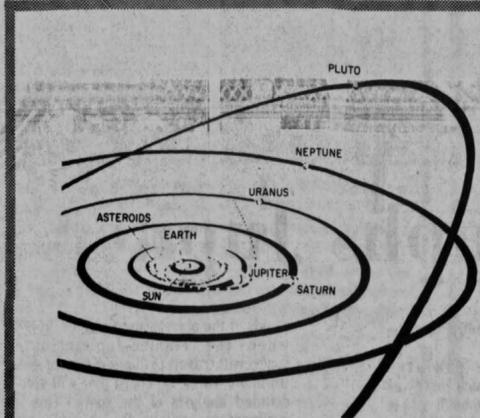
During the supernova astronomers estimate the star became a million times brighter than before and appeared three times as bright as Venus, the brightest star in the sky. The brilliance of the explosion soon faded, leaving a vast area of gaseous debris known as the Crab Nebula.

However, late in 1968 astronomers discovered that radio pulses were coming from the Nebula and after careful study they located the pulsar or core of the star.

The pulsar rotates in the Crab Nebula at a very fast rate, emitting approximately 30 radio waves per second.

"Occasional irregularities occur in the pulsing which are probably caused by quakes or the dispersal of charged particles from the pulsar's magnetosphere," says Rankin.

Rankin is studying these irregularities in depth, hoping to learn more about the structure of the pulsar and its dense nuclear matter. If the astronomer receives the new grant he will also broaden his study to include monitoring the pulsars in relation to the surrounding nebula and the various propagation effects encountered by the radio waves en route to Earth through the stellar medium, the interplanetary medium and the solar corona.



# Elixir

Just why was it that, more than a million years ago on a vast, moonlit, African plain, some squat and shaggy proto-human raised itself onto its haunches and stood erect for the first time?

Why, for a better look at the stars, of course!

December's Elixir repeats this primeval performance with an issue focusing on contemporary varieties of celestial experience. From UFO's to Hawkeye satellites, from Comet Kohoutek to moon madness, the skies are lighting up the news.

Have you seen the Iowa City UFO's? Did you know of the UI's peerless reputation in space exploration? Will you buy the line that "God drives a flying saucer?" We hope to have thrown a little celestial illumination on these topics and many more in our pages.

Copernicus  
1473-1543



The 500th anniversary of the Renaissance astronomer Copernicus is commemorated on page B-7.

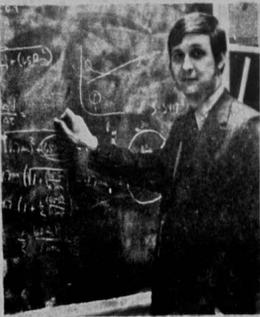
The effects of comets from Halley to Kohoutek are explored on page B-6.

Edmond Halley



Pluto expert John Fix, UI professor of physics, makes some interesting observations about the orbit and axis of Pluto, the most distant planet in our solar system. See page B-4.

"Full moon—full load" is the maxim in the obstetrics department of University Hospitals. For the scientifically accountable, and the not-so-explicable effects of the full moon, turn to page B-4.



Elixir is written and assembled by the members of the feature staff of The Daily Iowan.

Elixir editors ..... Jim Fleming  
..... Bob Jones  
Feature editor ..... Denise Trauth  
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— HELD OVER —

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## CROSSWORD PUZZLE

Edited by WILL WENG

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ANSWER TO PREVIOUS PUZZLE

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# Star gazer's guide charts winter sky

If you can stand the cold, there's some spectacular star-gazing to be done during the winter months. These crisp clear nights are great for taking long walks with your honey or your dog, and for spending a little time coming to know the winter constellations. Learning the stars is a labor of love. It necessarily involves late hours and stiff necks. If you really want to get to know the winter sky (as opposed to the summer sky, which is a different set of stars altogether), you're going to have to get a chart and spend some time outside. If you'll settle for the immeasurably lesser thrill of just learning a bit about the constellations, read on.

There are 88 universally recognized constellations. A constellation is a name given to a certain grouping of stars which (according to someone's vivid imagination) forms an obvious configuration depicting some person, animal, or object of mythological or scientific interest.

Contrary to popular belief the constellations are not all named for Greek and Roman religious or mythical figures. Their origin more probably is semetic or pre-semetic. Many were named by the peoples of the Euphrates River valley, circa 3000 B.C. Today these ancient labels of star groupings are more of archaeological than astronomical significance. Scientists use them as regularly identifiable areas of the sky against which any object can be easily located.

Some of the most popular constellations were named 5000 years ago by the Sumerians as portions of the "zodiac" (the area through which the sun, moon, and planets travel as viewed from the earth). Through the years the gradual conical motion of the earth's axis has made these constellations appear to have shifted locations. The zodiacal signs have not moved and thus the position of these signs no longer corresponds with the constellations of the same names. For instance, Pisces, once the 11th constellation of the zodiac, is now the 1st; Taurus, which used to be the 1st constellation of the zodiac, is now the third. Every constellation, of the zodiac has been similarly displaced two positions.

During the winter you should be able to find the most outstanding of all the constellations, Orion. Orion is in the southern sky and is rising early in the evening these days. It depicts the "faithful son" of the Sumerians, and actually looks very much like a person with arms and legs outstretched. You should be able to identify three brilliant blue-white stars which form Orion's belt. These stars point southeast to Sirius.

Sirius, the brightest star in the sky, rises a bit later than

Orion. It is the key star in the constellation Sirius. Sirius has always been depicted as the great dog. The Egyptians gave Sirius special recognition for its rising was the herald of the rising of the Nile.

Everyone should be able to find Ursa Major (the Big Dipper) in the northern sky. This is one of the polar constellations which circle about the north celestial pole once each 24 hours, and are visible year-around. Ursa Major is commonly known as the "great bear". The two bright stars in the dipper furthest from the handle point to Polaris (the North Star).

Ursa Minor (the Little Dipper) is known as the "lesser bear". The end of its tail or handle is Polaris. The Little Dipper swings about Polaris once each day, perennially pouring into the Big Dipper, which is opposite to it in the sky.

With a star chart and little perserverence you should be able to locate and identify all of the major winter constellations. Give yourself a few minutes to let your eyes adjust to the dark, try to find a viewing spot away from street lamps, and you should have little difficulty in finding them all. A flashlight with a red filter will enable you to refer to your chart and still maintain your night vision.

Comet Kohoutek is now too close to the sun to be seen. Although not as spectacular as originally predicted, it should be a beautiful sight several days after it passes the sun. It will reappear in early January low in the southwestern sky, about an hour after sunset. At that time, its tail may stretch far up into the sky. Through January, it will slowly fade away as it recedes from the sun and the earth.

Other celestial events to watch for in the next month:

The planet Venus is the brightest object, low in the southwestern sky in the early evening.

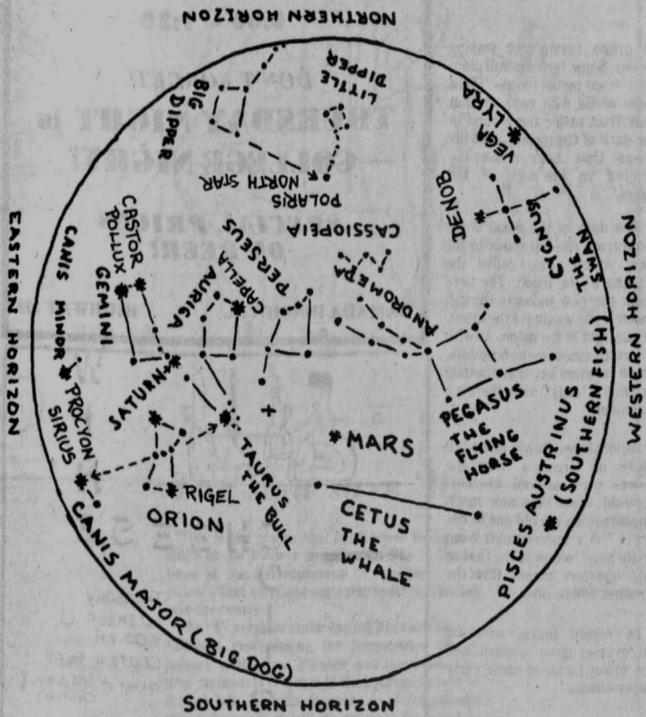
Jupiter, also quite bright, is just a few degrees above and to the left of Venus. (Both objects set in the west before "map time.")

On the evening of January 7, Comet Kohoutek will appear very close to Venus.

Mars is a bright red object southeast of the constellation Pegasus, high in the southeast at dusk.

Saturn, in the constellation Gemini, rises in the west at sunset.

A partial eclipse of the sun will be visible from the eastern and central United States at sunrise on Dec. 24. Do not look directly at the sun without protection. Many layers of completely exposed black-and-white negatives provide a safe filter to view it.



Star map

To use the map, hold the page vertically, and turn it so that the direction you are facing is shown at the bottom. This chart shows the appearance of the sky at 9 p.m. Dec. 15; 8 p.m. Jan. 1; and 7 p.m. Jan. 15.

## UFOs or Nixon?

According to two recently issued Gallup Polls, nearly twice as many Americans believe in UFOs as believe in President Nixon.

The results of a survey released Nov. 3, show that only 27 per cent of the respondents approve of the way Nixon is handling his job, the lowest popularity rating the administration has elicited from the American people.

By contrast, a report issued by Gallup Dec. 2, indicates that

51 per cent of Americans believe that flying objects—sometimes called "flying saucers"—are real and not just figments of imagination or cases of hallucination.

The same survey shows that nearly half of all persons interviewed (46 per cent) believe that there is intelligent life on

other planets. This represents a sharp increase over a 1966 Gallup Poll which indicated that 34 per cent of Americans in that year believed that intelligent life existed on other planets.

Seven of 10 of those who think there is life on other planets think UFOs are real.

UFO sightings are not confined to any particular population group. College-educated persons are as likely to have seen a UFO as are persons with less formal education. However, a

considerably higher proportion of sightings is reported in the Midwest and South than in other parts of the country.

In addition, persons living in small towns or in rural areas are more likely to report having seen a UFO than are persons living in the larger cities of the nation.

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"SLEUTH" AT 3:25-7:42

# Moon lore waxes modern variations

By SHIRLEY RHNER  
Feature Writer

"The moon's full, so we're going to be in for it."  
That sounds like it was said right in the middle of the witch burnings in Salem, right? Wrong! There is a full moon now, and a nurse at University Hospitals here in Iowa City made that statement. It seems that when there's a full moon, the patients are unusually restless. They complain a lot more, ask for more sedatives and fall out of bed more.  
There is an old superstition that one should not sleep with the moon shining in one's face because the face would distort, and the person would go insane. There are variations of this superstition all over the world, and some hold that the moon is

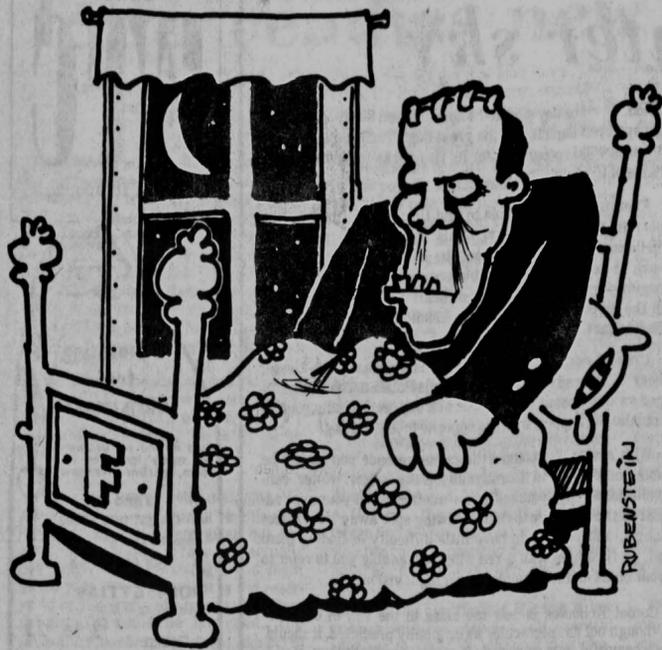
controlled by witches. Sleeping with the moon in one's face—particularly a full moon—exposes the soul to witches, who are more than willing to have another victim in their clutches.  
The moon is not shining directly on the patients at the hospital, though, and so the restlessness is not caused by direct moonlight. The changes in the moon are reflected in the hospital, nonetheless. The obstetrics departments usually experience an upswing in business when there's a full moon. The maxim is: "Full moon—full load."

There are also more babies born when there is a crescent moon that's tipped, so that if there was water in the crescent it would pour out. The connection here is the water's out-pouring is related to the water breaking before a baby is born. A level half-moon usually indicates a drop-off in the number of births.  
In recent times, scientific discoveries have substantiated the moon factor in some early superstitions.

The emergency wards see changes with the moon, too. A full moon brings more heart attacks, and cases with more severe bleeding. These all sound like old wives' tales, but these are observations of nurses who have worked in hospitals for a number of years.  
In America's early days, most of the farm work was done by the signs of the moon. For example, there was a time to butcher (a pig should be killed when the moon is waxing), a time to cut wood (wood is easier to cut in the full moon) and even a time to cut hair according to how fast one wanted it to grow

(it grows faster in a waxing moon). Some farmers still plant their crops by the moon—"Plant those crops with roots or that bear fruit under the ground in the dark of the moon; plant the crops that bear above the ground in the light of the moon."  
The dark of the moon is the time from the full moon to the new moon, also called the waning of the moon. The time from the new moon to the full moon is the waxing of the moon, or the light of the moon. As with the restlessness in the hospitals, some farmers say that animals are more "owly" when there's a full moon.

Sailors have always had a full store of forecasts from the moon, such as foul weather, foretold when "the new moon appears with the old one in her arms." A crescent moon lying on its back (either in the first or last quarter) means that the weather will be fine.  
For example, there are electrical changes in trees and variations in radio receptivity following the changing phases of the moon. Due to superstition or fact—or both—all the major surgery in Munich, Germany hospitals is postponed when there's both a full moon and a Fohn (a warm Alpine wind).  
Complete explanations of moon superstitions based on scientific fact do not yet exist, but it's always fun to add some more useless knowledge to our trivia collections.



# Cosmos bears Aquarius

By DOROTHEA GUTHRIE  
Feature Writer

Ever since the first production of the musical "Hair," everyone has known that the Age of Aquarius is something to sing about—but very few know just why.  
Peace guiding the planets and love steering the stars sounds

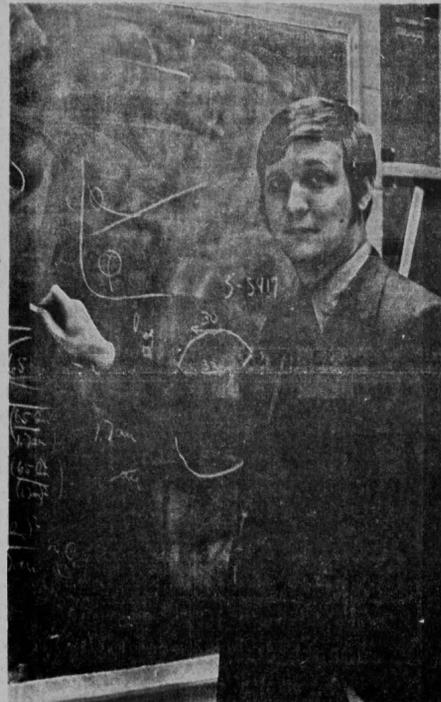
great, but the astronomical explanation of just how and why and when we can expect this will come about is not quite so easy to understand.  
The Age of Aquarius arises because of a phenomenon called the precession of the equinoxes. As early as 125 B.C., the Greek astronomer Hipparchus discovered it, but only 18 cen-

turies later did Sir Isaac Newton found the reason for its occurrence.  
The celestial pole is the point in the sky to which the axis of our rotating planet points. Because the earth is not a perfect sphere, but is a little flattened at the poles and a little thicker at the equator, the axis wobbles the way a slowing top does.

As a result of this wobble, the axis performs a funnel-shaped motion once in about 25,800 years.  
During periods approximately 2,000 years in length, the earth's axis points to different major stars in the sky successively. These stars are then called pole stars.  
Also because of the wobble, the point shifts at which the celestial pole intersects the path of the sun across the skies as seen from the earth.

This point of intersection is now in the constellation called Pisces or Venus, but it is gradually shifting toward Aquarius.  
Astrologists attach predictive meanings to these 2,000-year ages. The Book of Ezra, according to the cycles he determined, says the Age of Aquarius is the end of the cycles and the world, to arrive in about 2480 A.D.

Certain occult groups suggest that the Aquarian age started in 1882. Many interpreters of the heavenly bodies suggest that "the end of the world" may not mean its destruction, but instead the dawning of a new world governed by ideal principles that men of this world seem to have abandoned.  
Whether the Age of Aquarius is a reality or only "golden living dreams of visions" can only be discovered by waiting.



John Fix

John Fix, a UI prof. of physics, is one of the world's few experts on Pluto. Fix is researching the causes for the variance in Pluto's brightness.  
"While Earth varies in brightness by about one per cent, Pluto now varies as much as 25 per cent. When it was discovered 40 years ago, its brightness only varied slightly.

Fix says this probably indicates that unlike most of the other planets, whose axes are nearly at right angles to their solar orbital plane, Pluto's axis is on the same plane as its orbit.  
He adds that Pluto's orbit is more elliptical than those of the other planets. "Because its orbit's shape, Pluto will be closer to us than Neptune within 10 years. It will, however, resume its normal position as the most

distant planet several years later.  
In the last several years astronomers have been using infrared photography to try and learn more about Pluto's surface. Fix speculates that the crust may be covered with a layer of dust particles possibly originating from comets which must cross its orbit.  
General information about Pluto includes: it was discovered in 1930 by Clude Tombaugh, who is the only planet discoverer still alive; its year is equal to 250 earth years; its day is equal to an Earth week; the density of the planet is almost the same as Earth's.  
Fix will do more research next year with Thomas McCord of the Massachusetts Institute of Technology, using a large 24-inch telescope in California.

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### Apollo's ill-fated son

## Backdrops stars

By JOEL WEISBERG  
Special to The Daily Iowan

In the early evening, the Northern Cross stands upright on the northwestern horizon. The ancients knew this group of stars as Cygnus the Swan.

Cygnus was not always a swan. Once he was a king. However, he was a close friend of Phaeton, and this is where his troubles began. Young Phaeton was an illegitimate son of Apollo, the Sun God. When his playmates taunted him because he was illegitimate, he told them, "I may be illegitimate, but Apollo is my father." Not only did his friends not believe him, but they taunted him even more.

Finally, one day he climbed up to Apollo's temple. "Father, all the kids are making fun of me. They don't believe that you are my father. Can't you do anything?"

"Yes, you are my son, and I swear by the river Styx that I'll do whatever you want."

Without a moment's hesitation, Phaeton answered, "Let me drive your Sun Chariot across the sky."

"Anything but that, son." But Apollo had sworn by the river Styx, and he risked being thrown out of the circle of the gods if he broke his vow. Like other gods we know, he enjoyed his power too much to abdicate it, even though his son's life was at stake. Instead, he tried

to gently persuade his son not to drive the Sun Chariot.

"Looky, son, you just won't be able to make it. Why, not even Jupiter attempts to do it, and who are you? And do you think it's a picnic up there? The horses can barely make it up the morning hill. If that isn't enough, there's an angry bull up there, a menacing crab, an hungry scorpion. The very heavens are whirling at a dizzy pace. If you travel too low, the earth will become a cinder. If you are too high, you burn out heavenly houses. And my girlfriend Tethys, goddess of the western seas, has often feared even for my life as I flung downwards to her in the afternoon."

But Phaeton did not even hear his father's entreaties. His head was filled with visions of the admiration which his friends would have.

Dawn came and he mounted the chariot, ignoring his father's last admonitions. Very soon after he was airborne, he lost control of the Sun Chariot. His wild ride carried him so close to the earth that it was practically burned to a cinder. The once lush Sahara became a desert. Mountains caught fire and rivers dried up. Then the chariot soared high into the heavens.

Finally, Jupiter hurled a thunderbolt at Phaeton. By killing him, Jupiter was able to wrest control of the chariot

from him, and save the earth from complete destruction. Phaeton's body tumbled into a river. His friend King Cygnus mournfully dove again and again into the river to search for his lost friend's body. Cygnus resembled a swan as he dove, so the gods turned him into a swan. Later they placed him in the sky as a warning to men who try to play god—and even casual friends of same.

The sisters of Phaeton beat their breasts and tore out their hair in sorrow. One day they noticed that bark was forming on their fingers. "Mother, please get us out of this bark," they cried.

Their mother ran madly to them and ripped the bark off until one daughter said, "Mother, quit it! You are breaking my fingers off."

Soon the daughters cried "Farewell, Mother," and became completely encased in a tree. They, too, were punished for being associated with a mortal who tried to be a god.

The next day, Apollo went into mourning and refused to show his face. Scientists called the event a solar eclipse.



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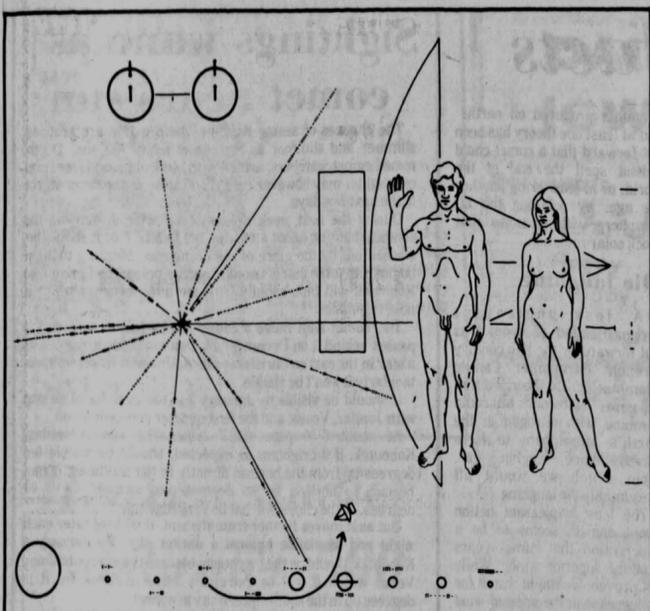
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The hydrogen atom can also be used to calculate the height of the man and the woman.

## Drum-major-turned-author writes astro-archeological tracts

By JIM FLEMING  
Feature Writer

"Chariots of the Gods?" by Erich von Daniken. (Putnam, New York, 1970). 189 pp. \$5.95 cloth. \$1.25 paper.

"Gods from Outer Space," by Erich von Daniken. (Putnam, New York, 1971). 190 pp. \$5.95 cloth. \$1.25 paper.

"Gold of the Gods," by Erich von Daniken. (Putnam, New York, 1972). 216 pp. \$6.95 cloth. Paper forthcoming.

Who'd a ever think it? Books on astro-archeology dominating the "New York Times" best-seller lists for week after week, month after month. A story stranger than the ones von Daniken himself spins out. Yet, as he would say, (he's a bit fond of exclamatory style) all too true!!

These eerie little quasi-scientific catalogues are selling twenty million (move over, Good Book) copies in over thirty languages around the world. They are backed by an advertising campaign that rivals Richard Nixon's, and (nigh on to impossible) they have a product equally bizarre. The first two tenacious tomes kept such a firm toe-hold on the Number One spot that it finally took "The Happy Hooker" and her lusty litter to bump (or pelvic thrust) them down from the top. If the new third book is a repeater, it is not hard to imagine a future volume done up in red plastic and called "Quotations from Spaceman von D."

Everyone knows by now who Erich von Daniken is, or thinks he is. If you're the one who hasn't shucked out the dough for his blustery paperbacks, you've no doubt seen him parlaying with Johnny Carson, caught his million-dollar TV special, or read about him in Esquire, Atlantic, Christian Century, or a half-score more. You may even be among the hordes awaiting the German film that plays up to his weird notions, or maybe saving up your allowance for a copy of his forthcoming

biography.

All in all, not bad exposure for a curious little Swiss inn-keeper, who flunked his science courses in college because he passed all his time practicing to be a drum major.

Von Daniken's main thesis is that spacemen have visited earth back in prehistoric and again in Biblical times. In fact, he muses, spacemen may have been our "fathers"; those old Biblical saws about "the Sons of God and the Daughters of Earth" really are literal attempts to describe sexual unions between space creatures and earth apes, and the inexplicable evolutionary leap of modern man finds a "genetically sound" resolution. The missing link was a love-starved pilot on earth for a little R and R.

Presto! See how simple? Even huge bodies of religious myth can be subsumed under this system. All of that business about Mary being visited by an "angel," well you can just bet yer booties that was a slick-talking space wolf looking for a piece of action. Miracles were all performed by space gadgets and a little crowd-pleasing showmanship. Sodom and Gomorrah, on the other hand, caught the astral pranksters in a bad mood, and were treated to a blast of A-bomb.

Not only Christian myth, but Greek, Oriental, Indic, Mayan, virtually every tradition can be read like a train schedule with a super-duper von D. Space Scout Handbook. All of the ancient mysteries of primitive civilizations fall neatly into place. Cave drawings, rock carvings, trinketry and all the rest can be seen showing spacemen waltzing and lolly-gagging around with us mere mortals, just like Uncle Harry in the family photo album.

Needless to say, most True Scientists would like to consign von Daniken to a home for the congenitally bewildered. But he could care less.

He is flattered to see himself as the latest in a long line of revolutionary thinkers (Galileo, Darwin, Freud) who were mocked by the prevailing pedantry. Critics see him as the latest in a short line of revolutionary thinkers (P.T. Barnum, Houdini, Tiny Tim) who chortle all the way to the bank.

Why, skeptics ask, don't our astral fathers come on back down for a 5,000th birthday reunion? Von Daniken simply

shrugs. Maybe the experiment was a failure seen in space eyes.

Or, perhaps, the ancient visitors are preparing us for some unknown purpose. (Are we just a herd of human hot dogs being bred for a cosmic bar-b-que?)

Who knows? Maybe we should replace bed-side prayers with litanies tele-beamed toward Alpha Centuri?

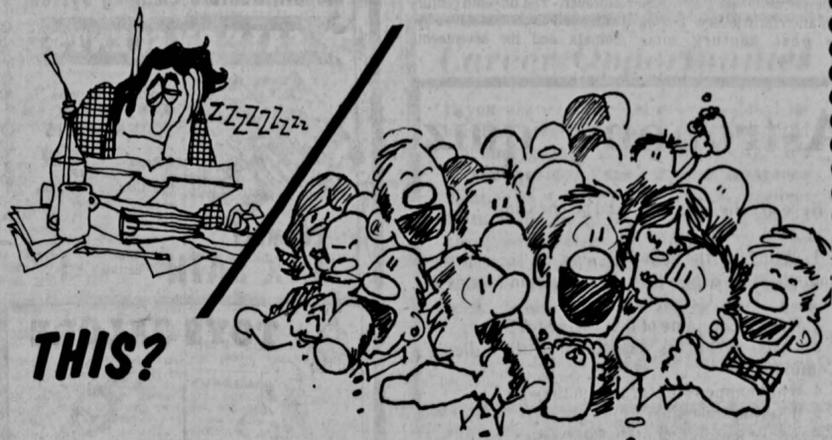


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# Kohoutek recalls comet lore and facts

By DAVID STAMPS  
Feature Writer

In 1910, as Halley's comet approached the earth, the French astrologer and prophet Madame de Thebes predicted: "Human destinies are red, political events are black."

Those who still believe there is a correlation between the blackness of politics and the brightness of comets will have a new villain on which to blame the misfortunes of the year as 1973 draws to a close. Comet Kohoutek is now faintly visible in the early morning sky (see box). In early January the "hairy star" (from the Greek word "kometes", meaning long-haired) will be visible to the west in the evening sky as it rounds the sun and heads back to the far reaches of the solar system.

## Scare man

Comets are not really hairy stars, but their exact nature has baffled and frightened men for centuries. If comets are not omens of disaster then they have been much maligned over the years, blamed for everything from the fall of Satan to the San Francisco earthquake.

Dr. William Whiston, Sir Isaac Newton's successor at Cambridge, proposed that Halley's comet was responsible for the Great Deluge. That same comet has been blamed for the Norman conquest of 1066, the defeat of Attila the Hun in 453, and in the year 1835-36 the return of Halley's comet brought an outbreak of Bubonic plague in Egypt, the "Great New York Fire," Seminole Indian Wars in Florida, the fall of the Alamo, and the Boer Massacre in Africa.

## Comet lore

The catalogue of comet lore is immense. Dozens of other comet-linked disasters include such events as the birth and death of Julius Caesar, the march of Napoleon into Moscow in 1811, the Thirty Years War in 1618, and in 1881 the assassinations of Alexander II of Russia and of America's President Garfield.

Whether or not comets affect the world order, they do seem to act on people's imaginations. Big comets, when they appear, are the brightest objects in the sky, except for the moon, which they sometimes rival. Their motions across the starfield are unlike planets or other familiar objects, and they can appear at any time. So it is understandable that they have gained a reputation as elusive and cosmic interlopers.

Even now, when their orbital motions are well understood, comets retain part of their reputation for trickery. During the past century some

short-period comets have unaccountably disappeared, failing to show up close to earth at predicted times. These "lost" comets may have been pulled out of their orbit by Jupiter or they may have disintegrated.

The brightness of comets is something that occasionally defies science also. Depending upon its composition, every comet brightens by a different factor as it approaches the sun.

According to the "dirty snowball" theory, developed by Fred Whipple of the Harvard College Observatory, the nucleus of a comet consists of dirt and various ices—methane, ammonia, carbon dioxide, water—which are boiled off as the comet nears the hot sun. The nucleus is only one to 10 miles in diameter, but as its gases boil, the nucleus forms the coma which we see as the bright head of a comet.

For an average comet the coma may be ten times as large as the earth. Part of this coma is "blown" away by the solar wind, small particles and radiation which streak outward from the sun. The tail of a comet always points away from the sun, then, no matter what direction the comet is traveling.

## Too close

Some comets have passed close to the sun so many times and are so boiled away that they no longer have tails. The largest tail ever recorded belonged to the great 1843 comet and stretched 200 million miles across space.

Kohoutek may be a comet that consists of more dirt than gas, according to some astronomers. That is one reason why it might not live up to its original expectations as the comet of the century.

In 1953, Comet Pajuskova was also expected to become very bright, but for some reason it faded away and disappeared entirely before reaching perihelion, its closest passage to the sun. In 1973 comet Tuttle-Giacobini-Kresac flared up to 10,000 times its brilliance and then died down again within a few days. Though it remained too dim to see with the naked eye, it illustrated that excitable element which adds so much to comet lore.

## Comets common

As spectacular as they can be when they are bright, comets are not really rare. About ten new comets are discovered every year. Kohoutek, discovered last March at the Hamburg Observatory by Lubos Kohoutek, was the second comet discovered by that astronomer in a very short time.

There does seem to be a scarcity of comets in recent years, however. The fifteenth century witnessed seventeen naked-eye comets and the seventeenth

century saw sixteen of the mosters.

Kohoutek has been called the comet of the century, but that may be a dubious title for a century that has seen only two large comets and one of those (Ikeya-Seki, 1965) not visible in the U.S. except on the Pacific coast.

One hundred trillion miles from the sun, at the far reaches of our solar system, there is thought to be a vast reservoir containing billions of comets. Every century a few of these are diverted by passing stars and sweep in toward our sun.

## Path change

If the comet passes close enough to Jupiter, it may be caught by the giant planet's gravitational field and its path will be changed to an elliptical orbit which brings it back into view at relatively short intervals. Halley's comet returns

every 76 years; Encke's comet returns every three years.

Not all comets follow elliptical paths. Some, after rounding the sun at perihelion, escape the pull of the planets and head away from the sun in parabolic or hyperbolic (a faster but still open-ended curve) to be lost in space. Some seemingly parabolic paths may turn out to be giant elliptical orbits, which bring the comet back by earth after hundreds of thousands or a million years.

Kohoutek appears to be on a near-parabolic course with a period of 800,000 years. Before it was known that comets come from so far away, they were thought to be vapors burning in the upper atmosphere. One theory had them erupting out of Jupiter and its moons. According to Immanuel Velikovsky's book "Worlds in Collision," Venus was once a comet which raced around the solar system, nearly

colliding with the earth, parting the Red Sea, and sinking Atlantis before it finally came to rest as a planet.

The chances for a collision between the earth and a comet are not so great—perhaps one in 80 million for any given year. Nevertheless it is thought that the 1908 meteorite shower in Siberia may have been a collision with a comet.

## Collision

Such a collision has been the source of much speculation and the subject of stories by Jules Verne and Mark Twain. In 1910, when the earth passed through the tail of Halley's comet, it was a source of much anxiety. At least one person profited from the sale of comet pills to counteract poisonous gases in the tail.

The tail of a comet is incredibly vacuous, however; possibly less dense than

vacuums produced on earth. But at least one theory has been put forward that a comet could indeed spell the end of the world, or at least bring another ice age, by polluting the atmosphere with particles that block solar radiation.

## Die laughing

A less unpleasant prognostication of doom was put forward by the 19th century French astronomer Camille Flammarion. He theorized that the gases in a comet's tail could combine with nitrogen in the earth's atmosphere to form nitrous oxide, laughing gas, from which we would all presumably die laughing.

The least unpleasant notion about comets seems to be a superstition that comet years produce superior wine. While not proven, we might watch for an increase in the price of wine next year.

# Sightings wane as comet nears sun

The chances of seeing Kohoutek before 1974 are growing slimmer and slimmer as the comet nears the sun. Determined comet watchers, armed with binoculars and free from city lights, may however catch a glimpse of the fuzzy object in the next few days.

During the next week Kohoutek will rise directly in the southeast at just about 6:00 a.m., but before 7:00 it should be washed out by the glare of the rising sun. Morning twilight begins when the sun is twelve degrees below the horizon, so Kohoutek will fade rapidly with the dimmer stars which it now resembles.

The comet will move steadily closer to the sun until it passes behind it on December 28. Don't look for Kohoutek as a star in the east on Christmas morn. Unless it flares up spectacularly it won't be visible.

It should be visible by January 3 in the evening sky along with Jupiter, Venus, and the first quarter crescent moon. At about 5:30 p.m. (DST) when the sun is setting, Kohoutek, if it brightens as expected, should be visible ten degrees up from the horizon directly to the southeast. From horizon to horizon is 180 degrees and straight up is 90 degrees, so the comet will not be very high up.

But as it moves further from the sun, it will set later each night and be visible against a darker sky. By January 6 Kohoutek should be the brightest object in the sky, outshining Venus which it will be extremely close to. Look for it 18 degrees up in the southwestern sky at sunset.

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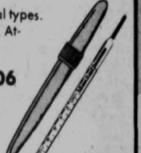
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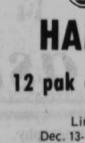
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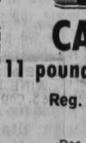
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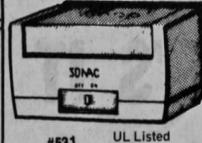
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# Astronomy quiz

Here are the questions--and no cheating!

1. Which of the following can be seen in the zodiac: a big dog, a little dog, a virgin or a gypsy?
  2. What is the name of the North Star?
  3. What writer is associated with Halley's Comet?
  4. What happens to stars when they die?
  5. Where is the planet Vulcan?
  6. In a vegetable model of the solar system in which a great pumpkin represents the sun, what would represent the earth?
  7. Which constellation contains the group of stars known as the Big Dipper?
  8. Who was the first person to observe the moons of Jupiter?
  9. How old is the solar system?
  10. When does the full moon rise?
- For the answers, see page 7B.

More to come this week in The Daily Iowan

Friday

Direct Contact

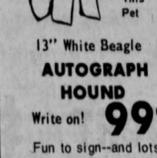
Recreational Services Director Harry R. Ostrander and Men's Intramural Director Warren Slebos will be this week's guests on Direct Contact. Persons having questions concerning the intramural program may call 353-5665 between 8 and 9 p.m. Thursday.



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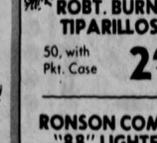
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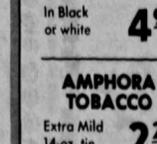
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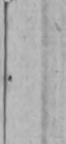
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# Copernicus

1473 - 1973



This stamp was issued by the U.S. Post Office to commemorate the 500th birthday of the 15th-century astronomer who put us in our place.

## Heaven studier celebrates 500

By DOROTHEA GUTHRIE  
Staff Writer

The year 1973 marks the 500th birthday of the Renaissance astronomer Copernicus. All over the world scientists, particularly fellow astronomers, are paying homage to the man and his accomplishments. Even the United States Post Office has issued a commemorative postage stamp. All this fuss is well-deserved.

For it was Copernicus who first put us in our proper humble place in the universe, revolving around the sun along with the other planets in our solar system. To develop a heliocentric theory of the universe, Copernicus dared to part from 13 centuries of reliance on the teachings of Ptolemy, the Greek star-gazer who theorized that the earth stood motionless at the center of the universe with the sun, moon, stars and planets whirling around us.

Copernicus' observations, made without benefit of a telescope, made it possible for later astronomers like Kepler and Newton to develop such crucial theories as gravitation and the elliptical orbit of the planets.

This innovative scientist was born Niklas Koppernigk on Feb. 19, 1473, in West Prussia, now a part of Poland. He was raised by a wealthy uncle, who planned a career in the Catholic Church for his bright, young nephew.

But Niklas took to studying the heavens somewhat more objectively during his years at the University of Cracow, where he studied astronomy and astrology, mathematics and philosophy.

He continued his education in Italy at Bologna and Padua in medicine and canon law. During this time he latinized his name in the scholarly fashion of the day, and has since been known as Nicolas Copernicus.

His formal education completed, Copernicus returned to Frauenberg, Poland, to serve as church canon. From the top of the wall enclosing the precincts of the church, he continued his observations of the heavenly bodies.

Copernicus was actually not the first to suggest a heliocentric theory of the universe. The Greek astronomer Aristarchus

first rebelled against the complexities of Ptolemy's teachings in 265 B.C. But he was too far ahead of his time, and his writings were forgotten.

Copernicus read and accepted the theories of Aristarchus, verified them mathematically, then went on to reflect on the implications of the earth's new status.

He was able to adequately answer such perplexing problems as why we don't see and feel the earth's constant movement around the sun, and what causes nightfall if not the movement of the sun behind us. Copernicus was the first to discover and take into account the fact that both the earth and the planets are in motion simultaneously.

Although his system was worked out in 1506, complete with mathematical tables and charts, Copernicus did not make his findings public until 1543. He may well have been cautious about publishing conclusions which flew in the face of Church dogma. Some researchers feel he may have been needlessly timid.

But the age in which Copernicus lived has to be considered. The enlightened attitudes of the Italian Renaissance had not yet swept over Poland. The landscape was still too frequently lit up by the lurid flames of funeral pyres on which witches and dissenters were burned alive.

In any case, Copernicus may never have published his findings at all had it not been for the encouragement of a young follower during the last years of his life.

When in 1540 an unsigned first draft was printed without adverse comment, Copernicus went ahead and released his complete work. "Concerning the Revolution of the Heavenly Spheres." This edition he diplomatically dedicated to the reigning pope.

Copernicus modestly described his own work as "rediscovery and continuation of earlier theories from the first Golden Age of science in ancient Greece." But posterity hails him as the originator of the modern scientific method of observation, and the father of modern astronomy, as well as a major contributor to our present calendar system.

Happy birthday, dear Copernicus, happy birthday to you.

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**PROFESSIONAL** dog grooming—Puppies, kittens, tropical fish, pet supplies. Breneman Seed Store, 401 S. Gilbert. 338-8501. 1-29

**Lost and Found**  
**LOST**—Small, blonde, medium length haired dog. Call 354-2192. Reward. 12-17

**LOST**—Adult, black-white, Old English Sheepdog, "Tulip." Reward. 338-1766. 12-19

**LOST**—Silver necklace with turquoise and silver pendant. Reward. 337-2395. 12-17

**LOST** in vicinity of Summit and Bowers—Young, longhaired, tiger striped cat. Call 338-4320. Call 351-0175 after 9 p.m. 12-19

**Who Does It?**  
**SPECIALIZING** in sewing wedding and attendants' gowns. Call after 3 p.m., 338-0446. 2-8

**CHIPPER'S** Custom Tailors, 124 1/2 E. Washington. Dial 351-1229. 1-29

**CHARTS** and graphs—Reasonably priced. Telephone 338-8388, 8:30-12:30, weekdays. 12-20

**CHRISTMAS GIFT**—Artists portrait—Children, adults. Charcoal, \$5; Pastels, \$20; Oil from \$85; 338-0260. 12-21

**HAND** tailored hemline alterations. Ladies' garments only. Phone 338-1747. 1-14

**WE** repair all makes of TVs, stereos, radios and tape players. Helbe & Rocca Electronics, 319 S. Gilbert St. Phone 351-0250. 1-14

## Xmas Goodies

"THE SHELL" has opened by DeVonne Frasure McKinney. Unique handcrafts created by "Starky." Shown by appointment only. 886-6488. 12-21

**UNIQUE** gifts—Tascanian sterling silver jewelry handcrafted in Mexico plus original bark paintings, wool weavings and onyx chess and checkers sets. Private and group showings for below retail store prices. Call Joe Rasmussen, 354-1374 or Nick Schrup, 351-7284. 12-20

**FOR** sale—Texas citrus fruit, apples, potatoes; all kinds of nuts; Xmas candy; fresh vegetables; Xmas trees. Eden Truck Farm, 6 1/2 miles southwest of Lone Tree, Iowa. Phone 629-4677. Hours: 8 a.m. to 7 p.m. everyday. 12-21

**Ride or Rider**  
**RIDE** wanted N.W. suburbs of Chicago, Dec. 18 after 7:30. Call 338-0280, ask for Kathy. 12-18

**RIDE** needed to NYC and back over Christmas break. 351-6970. 12-18

**RIDE** needed for two to N.Y.C. area. Will share costs and driving. Call 338-3584. 12-17

**RIDE** wanted to SF, LA or west, happy to share gas and driving, leave after the 18. Call Mark, 351-2839. 12-17

**RIDE** needed—Atlanta after December 17. Share expenses—driving. 353-0072. 12-14

**Tickets**  
**FOR** sale—Two tickets UCLA—North Carolina State basketball game in St. Louis. Call 338-8400. 12-14

**IMMACULATE** Spanish Classical guitar. Complete stereo component system. Moving, must sell immediately, very reasonable. 351-3544. 12-17

**MUST** sell—Gibson J-50 acoustic guitar with case, in absolutely beautiful condition, \$250 (was originally \$320). Dave, 518 S. Capitol, 338-2611. 12-14

**Antiques**  
**BLOOM** Antiques—Downtown Wellman, Iowa. Two buildings full of art glass, fruit jars, lamps, furniture, etc. 9 a.m.-5:30 p.m., Monday through Saturday. 12-18

**311 E. Davenport**  
**The 1974 location for HARMANS BAZAAR.** Come for savings on our Mt. Vernon stock. Antiques in the rough. Also miscellaneous small pieces. 12-14

**Sundays: Dec. 2 & Dec. 9**  
12 noon until 6:00  
106 S. Capitol  
Shop Hours Remain the Same

**GIVE** a lasting gift from THE WINE BARREL ANTIQUES 606 S. Capitol. Primitives, pewter, jewelry, gift certificates, etc. Monday, Wednesday, Friday, 1 p.m. to 9 p.m. Other days, 12 p.m. to 5 p.m. 12-19

**Misc. for Sale**  
**CALCULATOR** T.I. 2500—Changed my major, purchased this October for \$70, transferable warranty. Best offer. 353-2497. 12-19

**RECORD** cabinet, \$5; mirror, \$1; round table, \$15; card table, \$2; carpet, \$5; night table, \$2; metal chairs, \$10; curtains, \$2; room fan, \$7. 354-1274. 12-17

**TWO** sofas. Single foam slab, bolsters. Sit or sleep. \$20 each. 337-4649. 12-17

**WRECKED** Saab 1963 coupe to sell for parts. Also Sierra Designs down jacket, size medium. Call 353-3493 between 8 a.m.-5 p.m., weekdays. 12-18

**AR** turntable, Shure cartridge, \$55. 7-inch reel recorder, extendable speakers, \$150. Men's leather fringe coat, medium, \$45. 351-0721. 12-18

**WIG**, brunette short shag, \$10; hairdryer, \$15; ladies' electric razor, \$4; slide rule, \$4; pair ski pants, ladies' \$10, \$4 each; Obermeyer ski jacket, medium, \$15; windbreaker, \$2; ski poles 45 inches \$8; Lange Swinger ski boots, ladies' 8 narrow width, \$100; notched for Marker Rotomat bindings, \$40. 338-4108. 1-10

**PIONEER** QL-600A 4-channel decoder amplifier, \$230 new; offer. 338-8748. 12-14

**FOR** sale—Set of three Hare Krishna books, \$12. 353-2473. 12-14

**GIBSON** amp, 10 inch Jensen speaker, tremolo, reverb foot switch, must sell. 351-3997. 12-13

**MENWOOD** 2002 amp; Garrard 40B turntable; Utah W-D-90 speakers, \$210. 338-7196, ask for John. 12-19

**JBL** Decades; Pioneer PL-12D turntable; Koss Pro-4A headphones. 338-7424 after 5 p.m. 12-19

**NEED** money, two new 45 watt Sonic speakers, \$100 total. 353-0776. 12-18

**DUAL** 1218 with Shure M91ED, \$135. Realistic BSR Lab24 changer with Shure cartridge, \$45. 354-3362. 12-13

## Auto-Foreign

1971 MGB—Excellent mechanical condition, new tires, low miles, starts in winter. Also 1967 MGB GT, low mileage, good condition, inspected. Call 337-7048 after 6 p.m. 12-21

**VW** Camper, Model 69, safety inspected, engine overhauled, good condition. \$1,100 or best offer. Leave country, must sell immediately. Call 351-4442, 12-14

**VOLKSWAGEN** Repair Service will be open 8 a.m. to 5 p.m., weekdays; evenings and weekends by appointment, 644-3666. 1-25

**SR-22's SUPER LOW RATES** Rates quoted by phone, Monday through Friday, 9 a.m.-9 p.m. 622-3535, collect, Amana Society Insurance Agency. 12-20

**THREE** rooms of furniture, \$198. You receive complete living room, complete bedroom, complete kitchen set. 12-14

**USED** vacuums, \$10 and up, guaranteed. Dial 337-9060. 1-29

**HALF** price—Pair VM-62 speakers, \$100. Pioneer SX-440 receiver, \$100. Garrard Lab 55B turntable, \$40. 338-4572. 12-14

**Wanted to Buy**  
**SET** of used encyclopedias to donate to foster home. 337-3246. 12-17

**Roommate Wanted**  
**FEMALE** wanted to share house, bus line, own room, January 1, 337-3910 after 5 p.m. 12-17

**MALE**—To share nice two-bedroom Seville Apartment. Many luxuries. \$71. 338-5561. 1-11

**FEMALE** share furnished two-bedroom apartment with three girls. \$57.50 close to campus. Available January 1. 351-7244. 12-18

**FEMALE** roommate wanted to share two-bedroom furnished apartment, campus route, January 1. 351-3286. 1-11

**MALE** graduate student, quiet, studious—Sublease, own room, two-bedroom apartment, January 1. \$93 monthly. 351-1047 after 5 p.m. 12-14

**FEMALE** roommate—Share modern apartment, January, \$57.50, near Campus. 338-8528. 12-18

**FEMALE** roommate—Very nice two-bedroom, close to campus, \$65 available January 1. 354-2711 or 351-4361, Donna. 12-13

**MALE**—Own bedroom, furnished, busline, spring semester, Broadmoor Apts. 351-1250. 12-14

**ONE** person for own bedroom in big, new, furnished apartment. Close to downtown. Air conditioning, good heating, many other benefits. \$75 monthly, utilities normal. Available middle of December. 354-3565. 12-14

**FEMALE**—To share furnished house, January, near campus. \$55. Call evenings, 338-7004. 12-21

**SHARE** nice house—\$85 monthly, own room, waterbed, bus. 516 Normandy Drive. 12-13

**MALES** share Coronet Apartment, bus route, two baths, 338-9669. 12-17

**SHARE** three room apartment, bus line, \$60. After 5 p.m. 338-1640. 12-14

**FEMALE** share two-bedroom apartment, January +-. \$65. 338-2731, evenings. 12-13

**FEMALE** share close in, furnished, immediately or second semester, \$53.75. 354-2494. 12-13

**ROOMS for Rent**  
**LARGE** room, kitchen privileges, own refrigerator, TV, close to campus. 354-3643. 12-21

**LARGE** room and bath, minor cooking, incidental baby sitting in private home on bus line. 337-7831, evenings. 2-8

**SINGLE** near Towncrest with kitchen facilities and parking, \$45. 644-2576. 2-8

**VERY** nice furnished room to sublet second semester. Share kitchen, Near Music, Art, Law. 338-9312. 3-25

**HALF** double room for boy, close in, cooking privileges. 337-2573. 2-8

## Misc. (cont.)

**ADVANCED** AUDIO carries a few choice product lines in a hi-fi featuring the complete line of Cerwin-Vega hi-fi speakers with free home trial. We are also exclusive factory authorized dealers for Phase Linear, Integral Systems, Sound Craftsmen, etc. Also JVC cassette decks, Norelco turntables, Shure cartridges, etc. We sell the good stuff at Advanced Audio, 712 S. Riverside after 12 noon, 337-4919. 12-17

**PANASONIC** AM-FM stereo receiver with automatic tuning and speakers, \$75. 354-3917. 12-17

**USED** vacuums, \$10 and up, guaranteed. Dial 337-9060. 1-29

**HALF** price—Pair VM-62 speakers, \$100. Pioneer SX-440 receiver, \$100. Garrard Lab 55B turntable, \$40. 338-4572. 12-14

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**HALF** double room for boy, close in, cooking privileges. 337-2573. 2-8

## House for Rent

**LARGE** four-bedroom house, December 15, \$300 a month. Call 338-3263 after 7 p.m. 12-17

**AVAILABLE** now—Two-bedroom house, garage, 613 3rd Avenue, Coralville. \$180 plus. 354-2912-129

## Apts. for Rent

**SUBLET** two-bedroom, furnished apartment. Carpeted, air, bus line, available January 1. \$148 per month. 351-6621. 12-19

**SUBLEASE**—Two bedroom Townhouse apartment at Lakeside. \$155 monthly plus electricity. 338-7464. 12-17

**SUBLET** one-bedroom apartment on bus line, \$110 a month. Available immediately. 338-6203 or 337-9443. 1-10

**SUBLET**—One bedroom furnished, \$120; unfurnished, \$110. Air, Coralville on bus line. Available now! Call 354-3463, 354-3388 or 351-7085. 1-14

**SUBLEASE**—Seville, one bedroom, furnished apartment for January-May. \$165 monthly. Call 337-5866 after 6 p.m. 12-17

**SUBLET**—One bedroom furnished, Coralville, January 1-May 31. \$130. 351-5626 or 338-6849. 12-17

**SPACIOUS**, unfurnished, two bedroom, Coralville apartment; sublet December 20. 351-1582. 12-18

**SUBLEASE** January—Two room apartment, carpeting, electrical appliances, close. 338-3525. 12-18

**SUBLEASE** January 1—One-bedroom apartment, bus line, \$145, 354-3284. 12-18

**TWO** bedroom, furnished, bus route, available 12-21. 351-5737. 12-18

**NEAR** hospital—47 Valley Avenue. Two bedroom unfurnished, \$180 per month. 351-1386. 2-8

**SUBLEASE**—One bedroom, newly furnished apartment, Westhampton Village. 354-3412 or 351-0738. 12-1

## Despite findings of Air Force study committee

# Iowans defy skepticism, spot extra-terrestrial objects

By MARTHA ROSEN  
Feature Writer

For 22 years, from 1947 to 1969, the Air Force's Project Blue Book gathered and investigated reports about Unidentified Flying Objects (UFOs), better known to many as flying saucers. During these years, 12,618 sightings were investigated, with the peak year, 1952, accounting for 1,501.

Until 1960, these UFO reports were classified. They were declassified mainly because many people believed that the Air Force was keeping from the public important information about extra-terrestrial visitors to earth.

To allay such fears, in 1966 the Air Force funded a project to investigate UFO reports, headed by Dr. Edward Condon, a distinguished theoretical physicist. The Condon Report, a 1,465-page document entitled "The Scientific Study of UFOs," took two years to put together. A number of reports of UFOs,

mainly oral, were studied. The authors of the report concluded that only a very few of them could not be explained as due to various terrestrial causes, such as reflections of the sun or lights on ice clouds in the upper atmosphere, visual or radar mirages and flocks of birds.

Groups of UFO buffs, such as the National Investigations Committee on Aerial Phenomena, attacked the Condon Report for two reasons. They charged that the investigations were inadequate, and that the report's conclusions—that there is no evidence that UFOs are from another world and that no further large-scale studies should be done—was not supported by the evidence.

After the Condon Report was released, reports of UFO sightings dropped, with only 146 such reports coming to Project Blue Book in 1969. Besides the Condon Report, this drop may have been due in part to the

space program: many people feel that NASA has "taken the mystery" out of space. This drop is one of the reasons that Project Blue Book was shut.

Since then, Dr. J. Allen Hynek, the chairman of the astronomy department at Northwestern University and one of the Condon Report's critics, has started his own informal investigatory project. In collecting reports of UFO sightings, he is especially anxious to get such reports from trained scientific observers.

In spite of the recent decline in UFO sightings and the skepticism of the Condon Report, it is evident that many people believe that they have seen UFOs. Recently I talked with three people in Iowa City who have seen what they believe to be UFOs. None of them ever made any attempt to report the sightings to any authority or news medium. I located all three through a

Daily Iowan classified advertisement.

Although Robby Sadler, A2, 1116 Slater Hall, never previously reported his UFO experience to anyone, he is currently considering undergoing hypnosis to test his story and to see if any more details about it can dredged up. Sadler's experience took place during the summer that he was 12 years old. It was between 9:30 and 10:30 p.m.; a friend and he were walking down a path in some woods near the Otis Air Force Base in Massachusetts.

"I saw a bright light—a flash of light—in front of me," says Sadler. "I said I'm going to wait and see who it is. Suddenly there was just a flash of light and right in front of me was a humanoid figure standing about three feet away, glowing from head to foot."

Sadler says that the figure was white all over, with a fog-like halo around his entire

body. It was "completely humanoid" in shape and had eye- and nose-like structures but no mouth. He estimates that he saw it for no more than 10 or 15 seconds, during which neither he nor the figure moved. "I can remember it standing there," says Sadler, "but coming and going were strange. It was just sudden. It was so alien as far as humans know, that's the only thing that I could think that it was."

James Surrat's experience with a UFO was less dramatic, but he is equally convinced that it was real. Surrat, 814 Ronalds, a 24-year old city transit bus driver, says that it occurred in the springtime, eight years ago, when he was traveling with his family. It was 7:30 or 8:00 a.m.; they were driving south, near the city limits of Webster City, Iowa.

Surrat said that he saw an airplane traveling slowly off to the right. "I noticed it started to bank to its right. As it did, I

thought the sun was starting to reflect on it. That reflection suddenly took on an oval shape. What was even more strange is that right underneath it there was a blue flame similar to what you see in a gas stove...I lost sight of it for no more than five or six seconds, and then there was not a darn thing in that area within five miles."

He and his family made no effort to report the sighting, because they didn't feel there was enough information to check it out. Surrat is convinced, however, that it was a real UFO, mostly because of the speed with which it disappeared. He adds, "It's an interesting implication that maybe there are common objects that could actually be something in disguise."

The most dramatic experience I heard about was that of an arts sophomore who prefers to remain anonymous. It took place during his senior year of high school when he was cam-

ping out with some friends on a farm near Elma, Iowa. The experience started just at sunset when they saw lights in the woods near their campsite.

"We weren't drunk or stoned or anything," he told me. "We were just straight young kids camping out. All of a sudden we looked over and these two headlights—they looked like car headlights—were up in the air above the trees."

"We started walking over and about halfway we noticed that those headlights were coming at us. We stood and watched."

"Suddenly it was coming right toward us. When it got near you could see the two headlights, and then it was what you would call a saucer. It was just perfect. It had little red lights on the bottom of it."

"We started running...We were still in the middle of the field so we just lay down. It went over. I suppose it wasn't any higher than what you would say is 20 stories high in a building."

The goldish-tan object made a sound like a soft roar, he told me, similar to but not as deep as a jet engine. He discovered the next day that a friend who had been out driving the night before had been followed by a flying object with similar headlights and red lights on the bottom.

This young man, like my other informants, made no effort to report or check out what he had seen.

For every person who believes he or she has actually seen a UFO, there are many who believe that UFOs have appeared in our skies. There are even more people, myself included, who may be skeptical at times but who can't think of any good reasons that UFOs shouldn't exist. In fact, somebody may be sitting around in the vicinity of Alpha Centauri this very moment, talking about Earth and saying, "Well, it may be a nice place to visit, but..."

# 'twas the bank before Christmas....

wishing you and yours a joyous holiday season and prosperous new year. At Iowa State Bank, we realize the importance of customers such as yourself and wish to thank you for your friendship and business in 1973. In 1974, we'll be celebrating our 40th anniversary. That's 40 years of "People Serving People"...such as yourself.



Iowa State Bank & Trust Company

Member F.D.I.C.



Due to the energy shortage, our indoor and outdoor Christmas decorations will be curtailed. We will be closing at 4 p.m. Dec. 24 and Dec. 31 for the holidays.

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