

THURSDAY, JANUARY 10, 1980

Surplus of science grads over Job market better

by Portia Priegert

The demand for science graduates in the employment market is increasing, according to the chairmen of a number of U of A science departments.

Job opportunities are improving strongly in the physical sciences — computing science, geology, physics and chemistry.

According to the chairman of the physics department, Dr. John MacDonald, the demand for scientists has improved because of recent increases in industrial activity and federal government funding.

The chairman of the Department of Chemistry, Dr.

Crawford, agrees that as increasing complexity is introduced into society, more and more analytical data, and consequently scientists, will be needed.

"The surplus of graduates of the early seventies has disappeared," he says.

In addition to a five-year shortage of analytical chemists, Crawford cites a stronger demand for graduates in problem-solving areas of physical and organic chemistry and mass spectrometry.

Dr. Richard Lambert, chairman of the Department of Geology, says the job demand for geologists "is easily the best it has ever been."

"There are far more job openings than students," he says.

"There is a serious shortage of good post-graduates in petroleum and mining geology and undergraduates and post-graduates in geophysics."

Lambert predicts that the demand for science graduates will be saturated by 1982, but there will then be a serious shortage in middle management because of the influx.

The chairman of the physics department says that the demand for physics students has "in-

creased enormously in all areas."

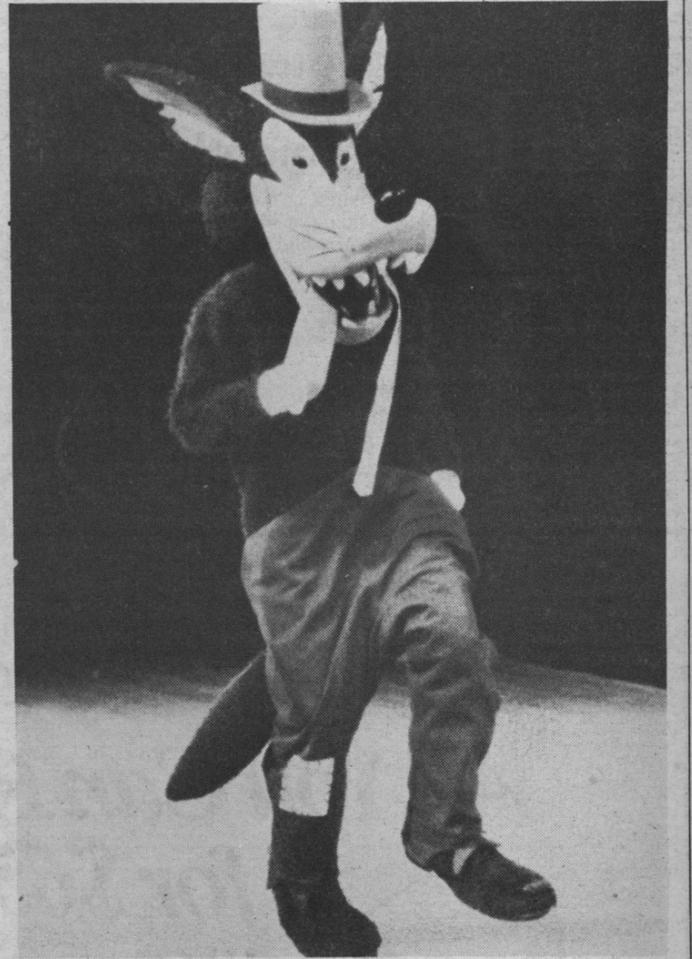
"Most physics graduates are finding jobs," says MacDonald, "and even undergraduates are in strong demand for summer jobs."

He says the shortage of graduates has occurred over the past year, particularly in solid state and nuclear physics. Theoretical physics has the fewest opportunities he says, though "it has improved a great deal."

Perhaps the strongest job opportunities exist in computing science. Department chairman, Dr. John Tarter reports that the field of computing science has "zero unemployment" and four to ten times more job opportunities than applicants.

Tarter says the computing science department is increasing enrolment by ten per cent a year, but that job opportunities are

Continued on page 2



Who's afraid of the big bad wolf? Not me, not me cried children at a Disneyland 25th anniversary celebration in SUB Theatre Wednesday.

Students illiterate, says report

Over 50 per cent of the students entering the U of A have an inadequate knowledge of written English.

A General Faculties Council (GFC) study found that university students have serious difficulties with grammar, spelling, idiom and diction.

The GFC Writing Competence Committee (WCC) states that 53.5 per cent of the 406 students tested had satisfactory exam results. Only 5 per cent of the students tested wrote completely satisfactory exams.

Students who did un-

satisfactory work on the exam "will have serious problems in meeting the writing requirements of first year university level work," says the report.

"The problems are of sufficient magnitude to merit universal testing of entering students," said Professor Pat Hayes, chairman of the WCC.

The one-and-a-half hour test, written by first-year student volunteers, consisted of an objective multiple-choice section and an essay question testing composition skills.

Students from all faculties

were tested though the science, arts, engineering and education faculties were heavily represented.

The tests were the first part of a three-phase program to improve reading and writing skills among students entering university. Phases two and three involve exams administered to all matriculating students, with the eventual goal being entrance exams with minimum requirements for all faculties.

The report must first be

Continued on page 2

SU Vietnamese family arrives

Gusting winds and minus 30 degree temperatures greeted the three Students' Union Vietnamese boat people as they took up temporary residence in Lister Hall Monday.

But the cold weather didn't slow the family as they energetically carried their worldly possessions — contained in several suitcases and cardboard boxes — to begin a new life in Edmonton.

Tran Thien Lac, 24, and his sisters, Thien Di, 21, and Thien Dinh, 16, all of Hanoi, arrived in Edmonton January 2 after en-

during a 500-mile journey across the South China Sea and a year in refugee camps in Hong Kong.

The three says they sold their belongings so they could pay the Vietnamese government five ounces of gold for places on a fishing boat, rather than join other Vietnamese of Chinese extraction in mining work in remote areas of Vietnam.

By the time they reached Hong Kong, they had lost their few remaining possessions and their clothes were ripped. But they say they were very fortunate because there were no deaths on their boat during the dangerous

journey and conditions in the three refugee camps they stayed at in Hong Kong were "pretty good."

The eldest brother was a sewing machine repairman in Vietnam, and his two younger sisters were students, the elder in Grade 12, the younger in Grade 8.

The three have another sister, Tran Thien Huont, 28, who has lived in Edmonton with her child for several months.

Thien Lac says he finds the people here very friendly and straight-forward and is very happy he and his sisters could come to Canada. He says they hope they can get jobs and learn English.

The Students' Union, the family's official sponsor, collected \$5,600 from student donations and SU benefits to help support the family during their first year in Edmonton.

SU vp external Tema Frank, says that though she wasn't expecting the family so soon, she is "very excited" about their arrival and the opportunity to re-unite the family.

Students wishing to help the family or make donations of furniture and other household items can contact Tema Frank at 432-4236 or leave donations at the Students' Union Executive Offices.

Students may lose vote

Many students living in U of A residences or HUB will not be able to vote in the university area constituency in the upcoming federal election.

According to the Federal Elections Act, students whose regular homes are not within the constituency boundaries are required to vote in their home ridings. This includes students from out of town who reside at their homes during the summer, as well as students who are considered dependents of their parents, regardless of whether they live at home.

Married students who live in a university residence are considered independent, and therefore may vote in the local riding. Single students who are independent of their parents may also do so.

If students are unable to return home on election day to vote, they can authorize a proxy

to vote for them.

A proxy must be someone on the voters' list in the home riding, and must be authorized by the voter by completing a proxy form available from any returning officer. To use the proxy system, a person must be "away from home for the main reason of attending full-time at a recognized educational institution."

All students are eligible to vote in the same riding where they voted in the last federal election, unless their place of permanent residence has changed since then.

The Office of the Chief Electoral Officer will be publishing a complete explanation of voting procedures for students in all campus newspapers. As well, they are providing a booklet outlining their policy at all universities and colleges.

Applications from Iranian students up at U of A

Increasing numbers of Iranian students are inquiring about registration at the University of Alberta.

"The total is now up to about 388," said Doug Burns, assistant registrar. "Prior to this I doubt if we had more than 30 or 40 inquiries per year."

About 50 per cent of the inquiries are from Iran, the rest from the United States and other countries.

"The students are mainly interested in professional and pre-professional fields — and graduate work," said Burns. "Because most of these fields have quotas, the chances of being selected are remote."

"I would be surprised if more than half a dozen students were admitted," he added.

There are presently 14 students, seven of them in graduate studies, of Iranian origin at the U of A.

As well, one Iranian student has been admitted to begin a program this January.

"It's possible those students that meet the English language requirement may be admitted in September," said Burns, "but the great bulk of inquiries will not materialize into applications."

He also pointed out that the number of requests has levelled off somewhat, and he expects the rush to be over.



Tran Thien Lac, and his sisters Thien Dinh and Thien Di

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CLOSING DATE FEBRUARY 29, 1980.

Science jobs, from page one

increasing by 25 per cent per year.

"We're getting further behind all the time," he says. "We won't be able to fill society's needs in the near future."

But though their job situation is improving most markedly in the physical sciences, employment opportunities are increasing in the biological sciences as well.

Chairman of the Department of Zoology, Dr. Fu-Shaing Chia says that though job opportunities in biology were poor a few years ago, they are now "pretty good and getting better in general."

"The supply of students is decreasing," he says. "We're looking for higher employment in the sciences as a whole. The biological sciences will follow that trend."

Illiteracy, from page one

accepted by GFC though, where stiff opposition is expected.

As well, the university would establish a non-credit writing improvement center, at a cost of \$350,000.

"The problem (of writing competence) could be addressed earlier," said Hayes. The issue is now given more attention in schools than it used to, she added.

This sentiment was echoed

by Scott Hagen, graduate student member on GFC, who said the university should not have to pay for costly remedial English programs.

"We should be going to the high school teachers," he said.

The University of Calgary already possess a writing competence testing program. Students who are assessed as unsatisfactory attend the writing center to upgrade their skills.

Conference time for engineers

The Twelfth Congress of Canadian Engineering Students was hosted by the U of A January 2-6 in the Edmonton Plaza Hotel. One hundred and fifty delegates registered for the Congress, including twelve from Newfoundland and four from the United States.

Thursday was Careers Day with Peter Adams, Dean of Engineering, officially welcoming delegates. Discussions centered on finding employment, moving up within a company, and the various areas in which engineers can find employment.

Thursday evening was 'Western Night' at Little Acres in Winterburn. The organizers intended to show those from out-of-province a bit of our culture with a barbequed steak dinner but were outdone. The Newfoundlanders gave out samples of Caplin (raw fish) all night. Extra entertainment was provided by the University of Manitoba Symonized Marching Band. The Band had driven from Winnipeg in their forty-person Band Bus and made quite a hit.

Friday was Canada-International Day. Delegates were taken on tours of local industry, including the Wabamum mine and the Stelco plant. Afternoon sessions were at the University, where HUB made quite an impression on many.

In addition, forty delegates were sent Friday to the Syncrude operation near Fort McMurray. They toured the site, were fed in the work camp and discussed the history of Syncrude and the role of the engineer in such a project with a company representative. Amoco provided their plane for the tour.

In celebration of the twenty-fifth anniversary of this company, Dr. Don Stanley of Stanley Associates Engineering sponsored the students' day, Saturday, January 5. Nine papers were presented by students Saturday morning. Topics included the funding crisis at University of Manitoba, incorporating a student society, engineering programs in the United States, and an outline of a new program, Shipbuilding Engineering, offered by Memorial University of Newfoundland. The papers were well-attended and well-received by delegates.

Following a luncheon address by Lou Hyndman, Provincial Treasurer, the Congress plenary session was held. Session Chairman Michael Amerongen skillfully guided delegates through three hours of debate.

The closing banquet held Saturday evening was the hit of the conference. Following the traditional bun fight, Bob Stollery, president of PCL Construction, was "screeched in" by the Newfoundland delegation, who attended dressed as oil sheiks. During his introduction of the guest speaker, Dr. Stanley commented on their optimism noting "one oil well does not a field make." He was promptly screeched in too.

Stollery's address dealt with Canadian opportunities for the engineer. An inspiring talk, it prompted an ovation by delegates. A chant of "Godiva," the engineers' song, concluded a most successful dinner.



Newfoundland screech sheik shrieks his way through 12th annual engineering congress.

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At registration time, remember your Transit Student Pak, all you can ride from January through April!



Edmonton transit



U.S. forms our views on Iran

by Lucinda Chodan

Exposure to the American media and viewpoint have altered Canada's perceptions of the current hostage incident in Iran, says a U of A sociology professor.

Dr. Gordon Hirabayashi, who has just returned from Iran, says many journalists are living in a "cultural island" in a Tehran hotel. He told a group in Tory yesterday that their reports are moulding public opinion.

"This is an Iranian-American crisis, not simply an Iranian crisis," he said. Both sides say the other side has broken international law, a fact not emphasized in the Western media.

"Unfortunately, diplomats are affected by what they read, and especially by television," he said.

Hirabayashi and Jim Prior from Simon Fraser University

were sent to Iran by the Society of Friends (Quakers) to "see behind the headlines" in the hostage situation.

Although they did not see the hostages, they talked to the Iranian students in the U.S. embassy compound on several occasions and went on a field trip to the poorer areas of the Tehran, accompanied by one of the students.

The American embassy compound is a combination of "the Grey Cup, the Centennial and \$1.49 day all rolled in one" said Hirabayashi, and the student hostage-takers are "folk heroes."

"There is a carnival atmosphere...every day groups come in to express their support for the students," he said.

Hirabayashi also says the students are independent of government agencies. "The students did this without the knowledge or permission of the

government. Because they acted without government knowledge, the foreign ministry has had to retract several statements because the students refuse to transfer authority to any government department.

Hirabayashi also said he had suspicions about whether the hostage-takers were really students before he visited Tehran. "I felt before that 'students' might have been a cover...however, we felt this was essentially a student group."

Hirabayashi predicted little change in the situation in the month of January. "I don't foresee anything happening this month...but the middle of February is the first anniversary of the revolution. The students may want to use the occasion to make some kind of ostentatious gesture, like releasing some portion of the hostages."

"If the U.S. holds a hard-line, though, they may also harden up."



U of A sociology professor Gordon Hirabayashi

photo: Lucinda Chodan

Federalism petition begins

by Jim McElgunn

A major campaign to collect signatures on a petition urging Quebecers to remain in Confederation will begin this month in Alberta.

And the U of A's Chancellor Jean Forest, the campaign's honorary chairperson, says she is optimistic about its results.

The People to People Petition for Canadian Unity was started by "a group of concerned Canadians" in Charlottetown, Prince Edward Island about two years ago. An organization was created throughout English-speaking Canada to promote the petition, which asks, "Quebecois members of our Canadian family to remain Canadian and to continue building with us this magnificent Canada."

Forest says although Quebecers have the right to determine their own future, "it is important that they understand that ordinary people in the rest of Canada want them to stay in Confederation."

"I'm not so naive as to think it will make the difference," said Forest, "but we hope it will be one more factor weighed in the decision of Quebecers."

The date for presentation of the petition has not been settled, but will be sometime during the referendum campaign. In addition to regular media coverage, the petition will be presented in public meetings throughout Quebec by people from all other provinces and territories.

To finance the project, organizers are soliciting donations from private individuals. To avoid the impression that this is an "official" campaign, no government funding will be accepted. Costs have been minimized through the exclusive use of volunteer labour, but Forest admits finances are very tight. "We're flying on a wing and a prayer."

To date, about 750,000 signatures have been collected nationally, but only about 12,000 of these are from Alberta. Forest says this small number is due to a later start here than elsewhere. She hopes to correct this with a "big push" during January and February, using the slogan "Put Yourself on the Line."

Alberta's three largest utility companies will be sending out mini-petitions with their monthly bills, thus reaching about half a million households. Other

copies will be distributed to places not reached in this manner, including post-secondary institutions.

Service clubs will be asked to assist the campaign by urging their members to sign the petition.

Premier Lougheed has endorsed the petition and declared February 3 to 9 Unity Week in Alberta. The week is intended to stimulate debate on national unity and encourage Albertans to show their support for a united Canada.

Forest says she hopes this activity will affect not only Quebecers but other Canadians. "I think it is important for ordinary citizens of Alberta to think about unity, even if they do not sign the petition."

No target has been set for signatures, but Forest is confident the petition will do well. "Provided we can get enough publicity, I'm convinced we will get a good response."

Information and copies of the petition are available at 288 Kingsway Garden Mall or by phoning 471-4903.

Med student Rhodes scholar

Andrew Wilkinson, a third year medical student at the University of Alberta, has won a Rhodes scholarship.

The scholarship provides for two years of study at the University of Oxford. Three Rhodes scholarships are available in Western Canada, awarded on the basis of academic ability, athletic ability, and extracurricular involvement.

Wilkinson is at present involved in research in biochemistry as part of the options required in the final years of a medical degree. He plans to study politics, philosophy, and economics at Oxford.

Although this may seem a strange choice of studies for a medical student, Wilkinson says he considered political science as a possible course of studies when he entered university and decided against it.

"Now, this gives me a chance to go back and study some of the other things which interest me without feeling I'm

wasting time," he says. Besides, the fields are not all that unrelated. Economics particularly has a lot of implications for medicine.

Wilkinson is president of the Medical Students' Association. He has also been a representative for medicine on Students' Council, and was on the Academic Affairs Board for two years.

He also skis, scuba dives, and plays rugby.

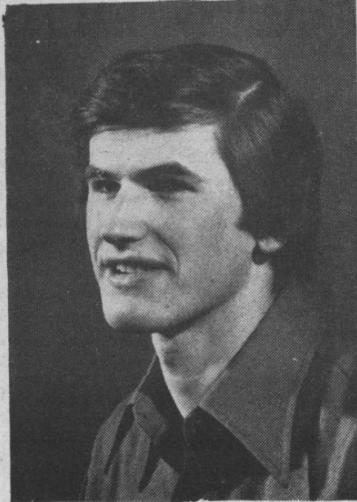
As far as academic work goes, Wilkinson says his marks are "not great. My marks are barely first class."

He says the selection committee are not emphasizing athletic ability, academic ability, or leadership qualities as much as they have in the past. "It's the ability to benefit from the experience they are looking for, not so much outstanding abilities," he says.

Wilkinson's future plans are uncertain. He says he may consider finishing medical school in the eastern United States, and then do a residency in

internal medicine. Eventually, a career in academic medicine is a possibility.

As for the possibility of a political career, as so many of the Rhodes scholars have chosen, Wilkinson says, "It's pretentious to say you have political aspirations. I've always been interested in watching."



Andrew Wilkinson

SU elections coming

Pssst. Wanna know who's running for president?

Rumors are spreading quickly on the second floor of SUB as the Students' Union elections draw closer.

Nominations are now open for the SU executive committee (president, vp internal, vp external, vp academic and vp finance and administration); the University Athletic Board (UAB) (president and vp men's athletics and president and vp of women's athletics) and the one student representative on the Board of Governors.

The nomination deadline is at 5:00 p.m. Thursday, January 24 and campaigning will begin on Wednesday, January 30 at 9:00 p.m.

Classes will be cancelled during the election rally, to be held on Wednesday, February 6 at noon in SUB Theatre.

Anyone wanting to work as election staff at \$4.00 an hour or interested in running for office should contact Sue Savage, Room 271 SUB.

Savage reports that two slates may be in the running.

Oh yeah, that reminds me, did I tell you that...

Kirk Kirkwood

It is the first day back after Christmas break and what is the major topic of discussion among the returning students?

Summer jobs?

At least it is around here.

I was listening to a couple of second year geology students today. It sounds like big oil companies are going to hire them at huge salaries. To do what? To walk in the woods and look for rocks. They don't even have to find any rocks, but should they stumble over one they'll have a supervisor to tell them what it is. Somehow this is how you find uranium. It is the most compelling argument against nuclear power I have heard. Stop the nukes and make those bozos in geology wash dishes like the rest of us.

After all, most of us aren't going to get cushy, well-paid jobs related to our field of study. Most of us end up clerking at the Bay or waiting tables at Fullers. Then again most students are in Arts or Education so there isn't a lot of field-related work for us. Who really needs an Art History major for four months or an English teacher during summer vacation? And whatever work that is available for these people has to be pretty simple, especially for the Arts students. What do you do with people stupid enough to pay fifty cents for a cup of coffee?

The stupidest bozos, however, get the best jobs. That's because they come from large (probably inbred) families who hire each other to do nothing at top wages. Just how they can afford to have so many people doing nothing is puzzling. Apparently most of these family companies survive on government contracts. That would help to explain the deficit for the Montreal Olympics.

There are also the dream jobs. Jobs like being lifeguard at the Banff Springs Hotel or personal assistant to Linda Ronstadt. Nobody knows the people who get these jobs, they are always friends of friends you meet at a party. You're talking about the busy night you had at Fullers and this mythical person tells you about the night he made \$2,000 in tips parking Mercedes in Beverly Hills.

Most of the work out here is stupid, but some of it is totally inexplicable. Take inventory work (anyone who added, please, should be made to paint the white lines down Jaster Avenue at 4:00 pm). Unless the company is willing to shut down for two weeks, by the time you've counted everything, the stock has changed. I was supposed to count the dishes and cutlery at a hotel-restaurant. It can't be done. The stuff keeps moving. Was the stuff coming out of the dishwasher the same stuff I counted on the shelves earlier or staff cleaned out of the rooms? If they bought 200 coffee cups but break 20 a day... eventually I guessed.

Still, maybe there is some justice after all. I heard the oil companies have found a practical way to produce energy from animal wastes. Who knows, eventually geology students may have to shovel shit like the rest of us.

A Christmas story

Students' Union vice-president finance Willie Gruber should win an Oscar this year for his convincing portrayal of Scrooge at the December 11 Council meeting.

Council was being asked to contribute \$1000 to a Cambodian relief fund, a sum of money which is peanuts when one considers that up to \$10,000 will be collected and spent on four Vietnamese refugees this year.

Debate on the idea seemed fairly positive until Gruber amended the proposed motion so that the SU grant would be only \$500. Stating his reasons to be purely financial, Gruber expressed concern about whether the SU could come up with a \$1000 for this cause.

Gruber was also worried that certain councillors would see the donation as an unpleasant "precedent," and that Council would subsequently be swamped with similar requests for similar amounts. Well, as Stephen Stills once said, paranoia strikes deep.

It's easy to appreciate Gruber's concerns, because obviously there is not an infinite amount of money available for charitable causes. But his attempt to scare councillors away from the idea of donations by stating with great certainty that this request was only the beginning is an unforgivable and well-worn tactic of belt-tighteners. A \$1000 is a paltry sum for a dying nation, and I'm sure that the ever-resourceful Students' Union could have dug up an extra \$500 for this most urgent of causes.

Christmas was not a joyous time for Cambodians. Thousands starved to death as North Americans continued to avert their eyes. And here at home, Willie Gruber acted in a manner any bureaucrat can only envy. I for one hope Willie Gruber had a rotten Christmas.

The big project

The Gateway is planning to put together a Seventies supplement to accompany a regular issue sometime in late January. Anyone with ideas or submissions for the supplement should contact the Gateway office. We are interested in retrospective looks at anything to do with the decade just past: items on sports, international events, arts, entertainment and trends are all welcome. It's a dirty job, but someone's got to do it!

Gordon Turtle

the Gateway

If it happens on campus...it's news to us.

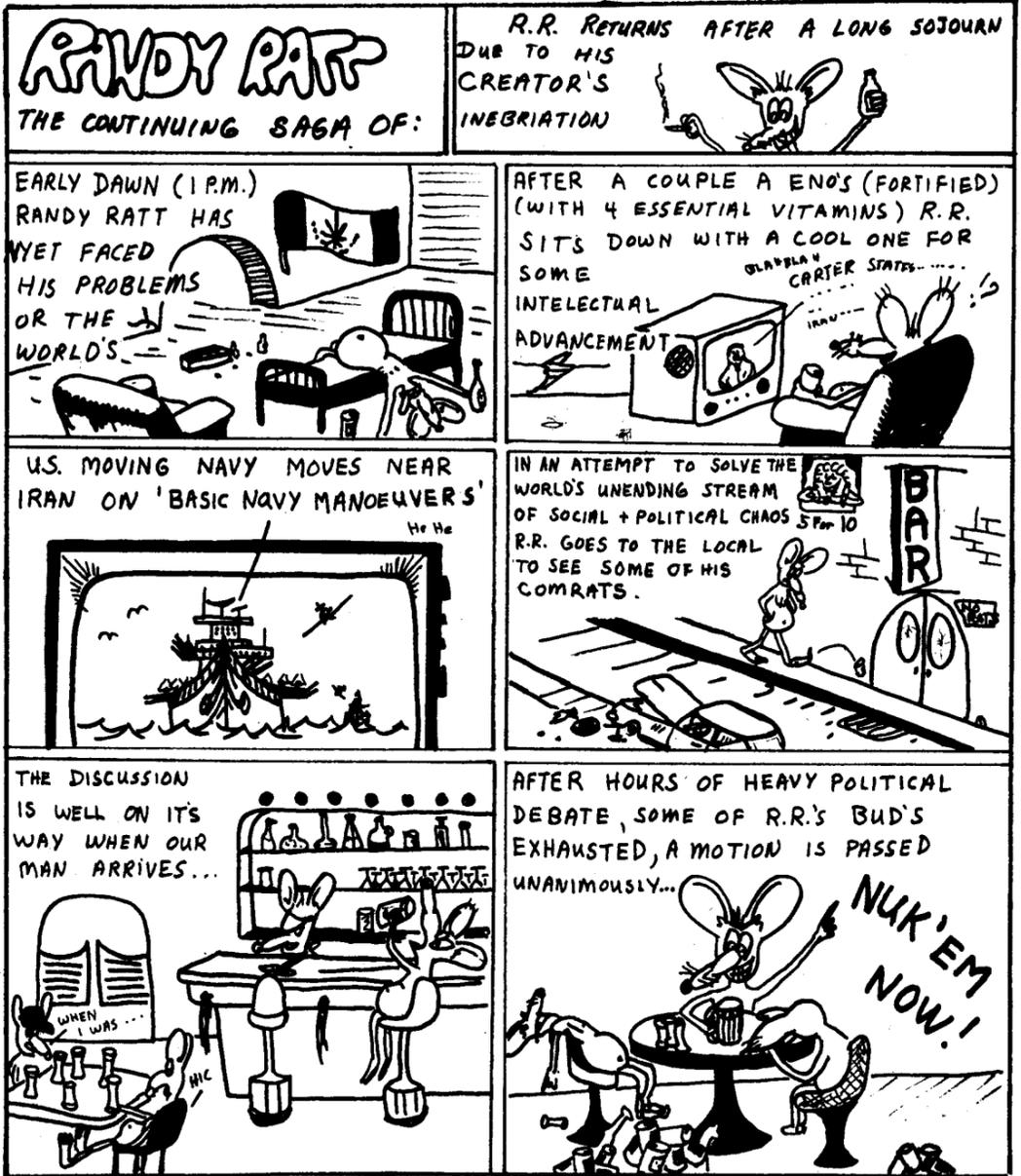
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THE GATEWAY is the newspaper of the students of the University of Alberta. With a circulation of 18,500, the Gateway is published by its proprietor, the Students' Union, Tuesdays and Thursdays during the winter session. Contents are the responsibility of the editor; editorials are written by the editorial board or signed. All other opinions are signed by the party expressing them. Copy deadlines are 12 noon Mondays and Wednesdays. The Gateway, a member of Canadian University Press and the Youthstream Network, is located at room 282 SUB, Edmonton, Alberta, T6G 2J7.

Newsroom 432-5168

"Fitzgerald was a homosexual," said JIM McELGUNN, lighting another cigarette. KENT BLINSTON stood up in astonishment, ashamed that such a thing should be said in the presence of HARVEY KING. "That's utter crap!" he exclaimed, as JANICE MICHAUD rolled up the car window. "Walter Gordon knows nothing about the period, so quoting him is irrelevant," added COLIN WONG, but MARNI STANLEY countered that with "relevant, schmalevant. The whole thing comes down to whether you're a Leavisite or a Dickensian scholar. ERNIE LOTZ agreed, noting that Kenneth Clark, too, has been known to be wrong at times. RUSS SAMPSON floored the Alphonso DeCredenza, whistling by SHAUNE IMPEY and REID GLENN, who shouted, "Pound deserved every minute that he spent in prison!" NINA MILLER rose on a point of personal privilege, saying that she was tired of the Eliot/Pound cultishness and RON THOMAS concurred, adding that a little Yeatsian rationality was required. AUSTIN HITCHINS merely laughed at that remark, because he knew full well that DORA JOHNSON was about to bring up the real authorship of Beowulf. "Get well, MAXINE MURPHY," yelled BERT JOHNSON, as the scream of ambulances sounded in his ear. "Where are my sons?", a bed-ridden RICK LAWRENCE groaned, and JIM CONNELL and SUE TECH appeared.

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Common sense advised

With the beginning of the New Year and the return of students to campus, it is an appropriate time to remind our female students and staff to be aware of the potential of sexual assault.

Since Edmonton City has been the locale of many sexual assaults during the past year, and since there is a large number of females on campus, preventive

advice should not be ignored.

Women must be alert to these threats and to avoid dark or isolated areas. Care should be taken to be selective regarding male acquaintances, not to hitchhike nor to accept offers of rides from strangers. Where possible they should arrange to be accompanied by a reliable companion when walking in lonely or dark areas.

If suspicious of being followed, it is recommended they go to a nearby store or house and call the police at 911 or Campus Security at 432-5252.

Campus Security will escort

concerned persons to or from University buildings during silent hours, to car or buses.

A call to 5252 can provide this service.

In addition, Campus Security has for the past several weeks employed students during evening hours to visit libraries, study areas, etc. for the purpose of providing a "presence" and to ensure that assistance is available if needed.

Above all, if all are aware of the potential threat and use good common sense, then the threat will be greatly reduced.

W.F.G. Perry
Director, Campus Security

Cansave

For many years members of the English Dept. have raised funds for the Canadian Save the Children Fund. Since it is mainly people of the University that contribute to our cause, I would be grateful if you would allow me to make our annual Cansave Report through the pages of Gateway.

We raised from "Hunger Lunch"

\$352.60

From the book box, from the AV Centre and from Dr. Whitaker's Xmas play

\$234.00

From sale of Cansave Xmas Cards, conducted by Mrs. Meyers and her gallant crew in the English Dept. office

\$1580.00

Total \$2166.60

We were pleased to make so much, and Cansave was very pleased to receive this sum with which they can do good and useful things. All of us who work for Cansave are heartened by the generosity of many people at our University.

Yours sincerely,
N. Parker-Jervis

Christian shocked

As a Christian, I found myself both shocked and amused by Mr. Marples' comments in the Quixote column of Dec. 4. I suggest that he speak to some people at one of the many Christian organizations around campus. It may help him to understand some of the basic tenets of the Christian faith.

I was interested to read the comments about "instant knowledge." Though conversion will open a person's eyes to many things, the gain of knowledge is by no means "instant." A Christian grows in the Lord and as he/or she does so, more knowledge is revealed. In my walk with Christ, I am constantly seeking new knowledge and better ways to serve Him. Thus, my faith is very dynamic. As a science student, I am always interested in expanding my knowledge but never has it interfered with my faith (which, I

might add, is fundamentalist).

I challenge Mr. Marples to read some books by people who are considered great thinkers and are also Christians. He may find some in the office at the north end of HUB.

Mike Rozel
Science 2

LETTERS

Letters to the Gateway should be a maximum of 250 words on any subject. Letters must be signed and should include faculty, year and phone number. Anonymous letters will not be published. All letters must be typed (or very neatly written). We reserve the right to edit for label and length.

Maturity required

In her pro-abortion article *Reader Comment*, Suzanne Bizon should not have used a twenty year old in her "real life" situation. Being twenty myself I cannot imagine a woman my age whining about leaving home and supporting herself or whimpering about the dangers of pregnancy.

I believe she exaggerated a woman's need for a foolproof method of birth control so that she can govern her own life. If a woman tries hard enough she can find a way to control a situation. As David Marples said "A woman cannot abort herself" so they have to find someone else to do their dirty work. They had poor Dr. Morgentaler working overtime until some people tried to clue him in.

Sue, I cannot believe there are "young girls, children who don't know any better" who can wine him, dine him, and bed him down and still not know how babies are made. Also, I cannot understand why you see pregnancy as a punishment. It is only nine months of our life in exchange for the rest of our baby's life.

Yes, Sue, I would say "what it comes down to is to have sex or not to have sex." Sexual intercourse is an adult act and if a person is not mature enough to accept the responsibilities that accompany it then that person should not have sex. If your birth control fails and you become pregnant then it is time to grow up. If some of my closest friends could grow up at fifteen and sixteen then you can grow up at twenty.

Jo-Anne Corcoran
Science 1

Literacy not the point

I see that an SU Council censure motion "was carried with 4 in favour and 12 against" (*Gateway*, Nov. 29th). Tell me more.

But of greater importance, however, was the comment of one William Pidruchney, who advocated tuitionless liberal arts education in pursuit of the Grail of universal literacy. Now, tuitionless means without any teaching. Or was Mr. Pidruchney misquoted, and did he really mean a free liberal arts education?

Now I'm all in favour of free education, but a University was

More news

I am sure that the lack of coverage in the *Gateway*, of the recently held Blood Donor Clinic, was merely an oversight, and was in no way related to the amount of attention paid to the political situation in Chile, or the alleged war crimes in Cambodia some years back. And I'm sure that your recent criticism of the SU exec. for not taking an active interest in the convention centre issue did not impair your ability to deal with issues that primarily concern students.

I feel I must acknowledge the relative importance of these issues, however, until the *Journal* and *Sun* start dealing directly with campus issues, you must assume that as your primary concern. Although I feel that the overall quality of the *Gateway* has improved a great deal this year, your political overtones still exist as a major detraction from your efforts.

Still Bleeding
Frank Whipple
Science 4



Quixote

by David Marples

What is the reasoning behind the Soviet invasion of Afghanistan and what are the likely consequences of Jimmy Carter's reaction to withhold grain shipments to the USSR?

The deployment of five Soviet divisions in neighboring Afghanistan marks the first major armed offensive undertaken by the Soviet Union in almost twelve years. A horrified world has witnessed the attack with such adjectives as "brutal", "savage" and "calculated", all of which appears to be indisputable, whilst hardly penetrating Soviet motives. In turn, the Soviet organs *Pravda* and *Izvestia* resolutely maintain that Soviet troops are in Afghanistan at the behest of the Afghan people and that Babrak Karmal is the acclaimed ruler of this strife-torn country.

The timing of the invasion may well have been calculated. In that cynical world of super-power politics, it represents a gamble at a time when the chief protagonist, the United States, is preoccupied with neighboring Iran. Brezhnev, no doubt at the will of the Politburo "hawks", seized the opportunity for an armed coup d'etat in the belief that the West would protest, but nevertheless do nothing to help a country which has long remained in the Soviet sphere of interest. One of the benefits would be the subsequent proximity to a seaport on the Indian Ocean, with which to accommodate the rapidly-expanding Soviet navy.

The tactics of the takeover are depressingly familiar. Over the last thirty years, both the United States and the Soviet Union have utilized civil war situations in countries to their own advantage, in order to promote "puppet regimes" directly dependent upon them. In the Soviet case, this policy was clearly elaborated by Brezhnev himself at the Twenty Fifth Party Congress in 1975. Yet Babrak Karmal is the third successive pro-Soviet ruler to be installed in

Afghanistan since the April revolution of 1978 and the usage of some 50,000 Soviet troops to prop up his regime is a poignant indicator of the failure of the previous two attempts.

Consequently, it is evident that the invasion also reveals the desperation of the Soviet leaders. Neither of the former two rulers, Daoud Taraki and Hafizullah Amin (both of whom were assassinated), were capable of quelling the Muslim rebels waging a guerilla war in the mountains of Afghanistan. On the other hand, Amin constantly refused to negotiate a peace settlement, despite Soviet instructions. Karmal, a veteran campaigner and an opportunist, is unlikely to pursue such an independent course, particularly after returning from exile in Czechoslovakia and East Germany. Karmal is hardly the People's candidate, the Soviets have satisfied his lust for power and now await their compensation.

Soviet concern over the Muslim rebellions is closely linked with fears regarding the huge Soviet Muslim population, which is expected to make up the majority of the Soviet population by the year 2000. The outburst of Muslim fundamentalism in Iran also cannot have escaped the attention of the Soviet Azerbaijanis north of the border. Thus Moscow has recognized the need to placate its Muslims. If one accepts the Soviet Union within its present boundaries as a legitimate state, and most governments do so, then Soviet anxiety over the Muslim rebellion on its borders is to be expected, whether or not one agrees with the means used to "resolve" the crisis.

The Soviet invasion, an unpardonable act of aggression by an imperialist state, is also a panic measure to bring under control a would-be satellite and to appease its own huge Muslim populace. Thus Carter's decision to cut down grain shipments to the USSR can lead only to an escalation of the conflict. For it presents the Politburo with only two foreseeable alternatives; either to drastically redirect government investment from military to consumer expenditure, thereby conceding that the U.S. is the superior military power, or to retaliate in kind, with the threat of nuclear conflict looming ever closer.

Brezhnev is more likely to choose the second alternative. His regime has staked its reputation and Soviet survival upon achieving military parity with the United States, an objective which presupposes lowering the living standards of the Soviet people. Carter's move and the expected reduction of grain exports to the USSR from American allies such as Canada and Australia will have little effect on what is expected to be a protracted and bloody war in Afghanistan. It will however have two consequences. First, it will starve thousands of innocent people. Secondly, it will force the hand of the Politburo in a way which no military intervention could have accomplished.

Religion does not close the mind

David Marples makes some interesting comments in his column on Dec. 4 on the "instant knowledge" which he sees being

offered by religions. However, he is less than convincing when he implies that one should not join any religion because to do so

narrows or closes one's mind.

Even on the level of science, to have an open mind does not mean that one may not reach any conclusions. Most open-minded geologists do not feel compelled to set aside a few days each year to review the arguments of the flat earth society. One settles on certain conclusions and goes on from there. One reviews such conclusions only if something dramatically new shakes one's confidence in them. Nor does being open-minded rule out joining and being committed to certain groups with whose principles one agrees. To join an organization to fight cystic fibrosis or to protect academic freedom is not necessarily proof of a closed mind. So even if one were to judge religions as one

were to judge scientific thinking, one should not rule out ahead of time or automatically the propriety of joining a religion.

Furthermore, any science or academic discipline which is in touch with the real world recognizes that its own method may not be the only method of discovering truth. This suggests caution in judging some other group or discipline by one's own methods. So, while sharing some of Mr. Marple's scepticism about "instant knowledge" I would not conclude that it is impossible for someone to get a sudden brilliant insight which may change his or her life. To rule out that possibility would be to show a closed mind.

John Gallagher CSB
St. Joseph's College

Richard Miller
Grad Studies



THE STUDENTS' UNION requires a GATEWAY EDITOR

The Editor-in-Chief shall:

- be responsible for supervising all aspects of the editing and producing of the *Gateway*.
- use his or her discretion as to what material is published in the *Gateway*.
- submit the annual budget for the *Gateway* to the Administration Board in compliance with By-Law 700.
- ensure the smooth operation of the Students' Union newspaper.

Salary: under review

For further information, please contact:

Gordon Turtle, Editor-in-Chief, *Gateway*, at 432-5168, or in Room 282 Students' Union Building.

Deadline for Applications:

22nd January, 1980, 5:00 PM, to Room 259, SUB



THE STUDENTS' UNION requires a CJSR DIRECTOR

Term: 1 year term

Salary: under review

Qualifications:

- experience in radio communications
- ability to work with volunteer staff
- knowledge of CRTC (Canadian Radio & Television Commission) regulations

Duties: Responsible for

- presentation of broadcasts of interest to students and the general public
- encouraging interest and participation in radio arts
- assisting in the public relations work of the Students' Union and the University
- promoting and publicizing the activities of the Students' Union organizations and the University
- the content of all programs broadcast on CJSR
- the proper functioning of CJSR
- the proper care of SU equipment and facilities used by CJSR
- the proper handling of CJSR funds
- the administration of CJSR according to CRTC regulations

For further information, contact Gary McGowan, Director, CJSR, at 432-5244, or Room 244 SUB. Applications available from Room 259 SUB. Deadline for applications: 22 January, 1980, 5:00 PM, to Room 259 SUB.

HAPPY NEW YEAR!

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PHONE 432-2592

Budget policy passed

The U of A's Board of Governors approved the principles and policies of the 1980-81 operating budget for the university, reiterating the "need for a restraint program" at its December meeting.

The standards met with the approval of the Board's finance committee and the academic arm of the university's governing

structure, the University Planning Committee and the General Faculties Council.

However, the amount of the operating budget remains to be set by the provincial government.

As in previous years, the dominant objective is a balanced budget with the funding of continuing commitments nor-

mally being provided from recurring revenues such as government grants, tuition fees and interest income.

Ancillary departments — housing and food services, the bookstore, printing services and physical plant services — will be budgeted to break even.

All support departments will be considered individually and assigned budget totals to "achieve maximum economy consistent with a desired level of service."

As the university library is continuing to experience difficulty in coping with the rising costs of books and periodical subscriptions, the Board said that priority will be given to a corrective increase in the library's base budget to alleviate the reductions in services and purchasing power.

A contingency fund will be available and priority will be given to faculties which might have problems brought on by unanticipated enrolment patterns.

Another facet of the operating budget is the senior appointments fund which is designed to provide support for the appointment of new faculty members above the level of assistant professor.

The fund will gain its resources from the discrepancy in the salaries of people who have left the university's employ and those who have been hired as replacements in the lower ranges of the assistant professorship.

LIBRARY INSTRUCTION

A 15 minute programme of introduction to campus libraries will be shown in the Penthouse, Cameron Library, on Tuesday, January 15th, 12:30 - 1:30, and Wednesday, January 16th, 12:00 to 1:00.

ALL WELCOME. Bring your lunch.

Financial advice for the graduating professional.

Bank of Montreal has a complete financial programme to help graduating professionals starting their own practice. The programme will help you finish your studies and provide capital to establish your practice.

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Other business

The Board of Governors also approved the allocation of grants to two separate programs.

The Continuing English Program, sponsored by the university's Faculty of Extension, will receive up to \$10,000 per year, for three years, beginning in 1980-81 to enable course offerings to be expanded.

The Edmonton Hire-Student Society will receive \$1,200 from the Board to facilitate its activities — coordinating and stimulating job opportunities for students — in 1980.

U of A President Myer Horowitz was nominated to one of nine positions on the Alberta Heritage Foundation for Medical Research.

The goals of the foundation include the establishment and support of a balanced long term program of medical research based in Alberta and the application of new knowledge toward the improvement of health and the quality of health services in Alberta.

✦ WORSHIP ✦



**LUTHERAN
CAMPUS
MINISTRY**

Sundays at 10:30 in SUB-142
Tuesdays at 8:30 p.m. at the
LUTHERAN STUDENT CENTRE
11122 - 86 Ave.

U of A hosts for national debating tournament

The U of A Debating Society will be hosting a national debating tournament January 10 through 12 on the subject of provincial rights in the context of a changing Canadian Confederation.

Eighty contestants from across Canada will debate two rounds on the prepared resolution *This House believes that only a stronger central government can save Canadian Confederation* at the 1980 Canadian University Society for Inter-collegiate Debate (CUSID) national tournament.

In addition to the prepared debate, four rounds of extem-

poraneous debate on general philosophical or literary subjects, an opening reception with U of A President Dr. Myer Horowitz, a tour of the city and a banquet and awards ceremony at the Four Seasons Hotel will be held.

The debates will be held in the Tory Building with the exception of the Final Round, which will be held in Convocation Hall January 12 at 3:30 p.m.

Norman Ingram, president of the U of A Debating Society, says he is expecting a very strong showing from all parts of Canada at this first tournament to be held outside Ontario.

The debates, to be held on campus, are open to the public. For more information, contact Norman Ingram at 455-6067.



SUELECTION

NEED SOME EXTRA CASH?

The Students' Union requires staff for the General Election on Friday, February 8th. Help us out and earn \$4.00/hour at the same time. For further information, please contact the SU Returning Office (Room 271, SUB) or the Receptionist, SU Executive Offices (Room 259, SUB).

CULTURAL ASSISTANCE AWARDS

ALBERTA CULTURE invites any individual participant or administrator in dance, drama, music, writing or visual arts who wishes to improve his or her

up to \$1,000

qualifications or skills to apply for a Cultural Assistance Award. Financial assistance is available in varying amounts to \$1,000.

DEADLINES FOR APPLICATIONS

Visual Arts: February 15, 1980

Dance, Drama or Music: February 15, 1980 • August 1, 1980

Creative Writing: April 1, 1980

If you are applying for assistance in the visual or literary arts, please request the special visual or literary arts form.

To obtain application forms, write to:
Alberta Culture
Cultural Assistance Awards
11th Floor, CN Tower, 10004 - 104 Avenue
Edmonton, Alberta T5J 0K5

Alberta
CULTURE

A public meeting to hear

student concerns

- student housing • day care • quota program • student finance
- international students (e.g. differential fees)

MINISTER'S ADVISORY COMMITTEE ON STUDENT AFFAIRS

Dr. A.G. Scott, Chairperson
11303 - 100 Avenue Edmonton, Alberta
Phone: 482-1847

The Minister's Advisory Committee on Student Affairs reports to Jim Horsman, Minister of Alberta Advanced Education and Manpower, on issues of concern to students. This committee is composed of post-secondary students and public members across Alberta. You are invited to present your views and suggestions to this committee at meetings scheduled at:

EDMONTON

Grant MacEwan
Community College
Boardroom 206,
Millwoods Campus

FRIDAY, JANUARY 11, 1980
9:30 a.m. to 12:00 noon

If you wish to arrange a specific time for a submission, please contact:

Mr. W.J. Ramsay, Executive Secretary
Minister's Advisory Committee on Student Affairs
10th Fl., Devonian Building, East Tower
11160 Jasper Avenue
Edmonton, Alberta T5K 0L1
Phone: 427-8501
(call collect)

EDMONTON

University of Alberta
Gold Room, Lister Hall
SATURDAY, JANUARY 12, 1980
9:30 a.m. to 3:30 p.m.

Alberta
ADVANCED EDUCATION
AND MANPOWER

JANUARY

thurs 10

FRED ASTAIRE
GINGER ROGERS

Shall We Dance

FAMILY

fri 11

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PANDO COMPANY
in association with
RAYBERT PRODUCTIONS
presents
EASY RIDER

ht

sat 12

"Chinatown"

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THE MAGNIFICENT SEVEN

Yul Brynner
Steve McQueen

ADULT

Cinema Showtimes: 7:00 & 9:30 PM unless otherwise specified.

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SUB THEATRE

Before and after the life of man

Book review by Lasha Seniuk

Life Before Man, Margaret Atwood's latest literary venture, is not really a book in the true sense of the word, but rather a philosophical analysis of humanity. Dripping with a unique creative style that few authors can achieve, it leads the readers in and out of deep philosophical caverns concerning men, women, marital relationships, death, dominance, hatred, insanity, politics, and the eventual extermination of the human race.

Elizabeth is the main character because her forcefulness and flare for the insane makes her always shine through as the victor. She is constantly fighting the domination of her by her Auntie Muriel who raised Elizabeth and her sister Caroline after their mother deserted them. Auntie Muriel raised them with an iron hand, to say the least.

So totally domineering was her temperament that Caroline commits suicide when she is very young. This is the first death that Elizabeth must deal with. The second is that of her mother, who Elizabeth thinks was burned to death by Auntie Muriel. The third, and most traumatic, is the death of Elizabeth's lover Chris. He commits suicide also, in a most gruesome, symbolic way. Possibly she loves him more because he committed suicide.

Elizabeth's husband Nate cannot compete with the image of Chris that is so deeply rooted in her mind. Actually, he cannot compete with anything. He can't make decisions. He can't please his wife or children.

And he can't be happy. Nate is rather a weak character who seems only two dimensional. He first has an affair with Martha and then with Lesja.

Martha is rather flighty and sometimes sees things that aren't really there. Lesja is a small inexperienced woman who has buried herself in the study of dinosaurs and other prehistoric animals: she has buried herself in life before man. She prefers dinosaurs to most people and admits that she has no use for the human race and they have no use for her.

This is the whole book, a marvelous intertwining swirl of characters and philosophy. It strikes notes that have never been heard before by the human ear. Atwood deals with total reality and creates vivid, striking characters that are alive in every one of us. They are indeed unforgettable.

But by far the most interesting aspect of *Life Before Man* is its combination of philosophy and simplicity. Judging from the description of the story it would seem that *Life Before Man* is a very heavy, draining book to read. It's not. It's a very light read and this is where Atwood's true genius comes through. Any fool can be a philosopher, but the true mark of achievement is placing philosophy into a framework that is light, funny and polished. *Life Before Man* does not fall short of any of these qualities.

Margaret Atwood's style is a joy. *Life Before Man* cannot be considered less than sheer poetry. Her words flow from her pen like smoke from an explosion.

Her symbolism is always vivid, constant, and

not overly obvious. Many authors feel that they must bring their story to a dead halt, add their little bit of symbolism, and then start the machine again. They want their symbolism to stick out and catch the eye. This is not the case with Margaret Atwood. She somehow makes the reader realize how symbolic and ironic life is.

There is also an aspect of *Life Before Man* that is rather puzzling. The characters are intertwined together, but somehow they are strangely isolated from one another. They seem detached, not connecting, almost as if a character could be plucked out and any other person could be fitted in. This is probably because the chapters are arranged like short letters describing each character's feelings, experiences, and actions. At any rate, this air of entwined isolation is again reflective of reality and the abstractions of human relationships.

All in all, it is a book about which one could offer very limited criticism. The only aspect of the book that was somewhat questionable was the fact that Nate's character was vague. He seemed too transparent, too noncommittal, and far from solid. However, this is often found in Atwood's writing: men are depicted as weak, spineless people. She has a tendency in her writing to hold a grudge against men. But, apart from this, her book is well worth reading. However, don't read it for the story value, for reading *Life Before Man* for the story is like drinking a bottle of fine, aged Cognac for the purpose of getting drunk!

The fine art of the Boomtown Rats

Record review by Harvey King

In their latest album, *The Fine Art of Surfacing*, The Boomtown Rats show us the art of surviving in a stark and lonely world... Or do they? From the emotionless 16 year old murderer to the paranoid living in a spy-filled world, from the twisted office-worker trying to escape into the night-life to the beautiful and empty debutante who commits suicide, we see unhappy, lonely and sick people trying to survive.

Horsing around

Movie review by Marni Stanley

The Electric Horseman is the sort of film an average movie goer might fantasize about seeing. It has wit, charm, romance, and winning good guys. The only thing it does not have is a reasonable plot.

It is a modern version of *Roman Holiday* with Fonda playing Gregory Peck, Redford playing Audrey Hepburn and Utah standing in for Rome. Sonny Steele (Robert Redford) is a former champion cowboy now reduced to hustling breakfast cereal in a hideous purple light-up suit. Somehow, through his alcoholic haze, he comes to realize that Ampco, the evil conglomerate, has provided him with a thoroughbred that has been doped and he decides to give it a better life. This upsets Ampco's president (John Saxon) who does not want bad publicity while the company is negotiating a tricky merger, and intrigues Hallie Martin, girl reporter, (Jane Fonda) who sets off in hot pursuit of the two fleeing corporate symbols.

To make a long story short, boy gets horse, girl gets story, and cowboy gets reporter — everybody happy, well I should say! When Redford finally gives up the purple suit he spends the rest of the picture looking like a Marlboro add, and three days in the desert leaves Fonda with eyeliner and hairdo intact. Neither of them ever gets dirty, nor wrinkles those wonderfully tight jeans. In fact, both stars put so much energy into looking good that they don't seem to have much left for acting. Redford is selling the old charm and Fonda is just a little too confident for comfort.

In spite of its hopelessly unrealistic plot, *The Electric Horseman* is a winning film in many ways. Sydney Pollack's direction is tight and he does nice things with juxtapositioning and balance; a sodden Sonny next to a prim general for instance, or the lit up horse and rider trotting down a neon Las Vegas strip, echoed by the image of the two, clad in denim and leather, escaping down a creek bed. There is also a touching performance by Valerie Perrine as Sonny's breathless ex, and Willie Nelson provides a nice authentic touch as Steele's early sidekick.

If you can resist the urge to groan at Steele's too cute revelation that his name is Norman, and if you can get through Redford's mandatory ecology lecture about strange little fishy fossils in the rockbed (not to mention the singing of "American the Beautiful" from mountain tops) you will probably enjoy this film. It has a chase scene to rival *Bullitt* and some very good moments of humor. The writers even revert to a touch of realism in the ending, a feat that the girl behind me found dreadfully upsetting.

If this film captures any Oscars the Academy may as well retire, but for light entertainment it is a winner.

The Rats use their instrumental prowess excellently to power their songs' biting lyrics. Powerful drumming underlines each song, and acoustic and electric guitar-playing of an excellent, yet stark style, provides most of the instrumentation.

However, perhaps the most emphatic music comes from the fine piano-playing. This is especially present during the single off the album, "I Don't Like Mondays." It tells the actual story of a 16-year old girl who one day took a rifle, and shot up a playground. Asked why, she replied, "I don't like Mondays." Banned in the States by the Federal Communications Commission because the trial is still on, this song perhaps most emphatically captures the mood of the album.

*All the playing's stopped in the playground now
She wants to play with her toys awhile
And school's out early and soon we'll be learning
And the lesson today is how to die.
And then the bullhorn crackles,
And the captain tackles,
With the problems and the how's and why's
And he can see no reasons
Cos there are no reasons
What reasons do you need to die?*

*Tell me why
I don't like Mondays
I want to shoot
The whole day down.*

The Boomtown Rats seem to offer no escape from



this twisted and stark world. They only offer the alternative of:

*I'll slip beneath these sheets and shiver here awhile
(hmmmm)
I find this happening more frequently these days.
Still ... I practice nightly, I try to keep ahead.
This art of surfacing is all but dead.*

A date with Herstory

Calendar review by Bruce Cookson

History has been re-written as Herstory, but as the Canadian Women's Calendar illustrates, the role women have played in Canada has yet to be adequately documented in the first place.

Herstory 1980, written by the Saskatoon Women's Calendar Collective is a calendar with a difference. Instead of pneumatic pinups or pastoral countrysides, this publication celebrates the achievement of Canadian women. Each week of the year is given a page, opposite which is a profile of a Canadian woman or organization that has contributed to the lives of women.

I can't say that I find all of the profiles of consuming interest, probably because space requirements limit some of the women profiled to little more than a listing of their achievements. While this is impressive, it doesn't make for scintillating reading. Also, there are some lapses in writing style which I suppose is to be expected of something compiled and written by eight authors. However, these criticisms are nitpicking at best. For anyone interested in the achievements of Canadian women, this calendar/book is worthwhile.

Of course, Nellie McClung is written about, but the interesting catch to the calendar is that it features women just as interesting, if not as well known. Who, for example, has heard of Shawnadithit, the last surviving member of the Beothuks, an aboriginal tribe

who were exterminated in the early 19th century by Europeans and MicMac Indians? How about Jennie Dill, who in 1921, despite prediction that she could not walk farther than fifty miles, became the first woman to walk across Canada from Halifax to Vancouver? Or Molly Brant, a Mohawk Indian who spied for the British against the Americans in the 18th century? (Interesting women, but could they rightly be called Canadians?)

In addition to individual profiles, there are profiles of organizations and issues that are related specifically to women. Some topic headings are "Women in the Education Work Force," "SORUC (The Service, Office and Retail Workers' Union of Canada)," the "Hanes Hosiery Strike," "Domestics, Yesterday and Today," and "Telephone Operators." The latter reveals that the Bell Telephone Company first employed men because of the "brilliant technical minds" required to operate switchboards. Women, however, were soon substituted because they were found to be more patient and alert.

Herstory 1980 is the seventh calendar/book to be assembled by the Saskatoon Collective. It is an informative and generally interesting glimpse at a side of history not usually talked about in Canadian history books. The profiles are pithy but one of the best things about the calendar is its Bibliography of source material. And, if you were just looking for a calendar, there is enough room to note appointments.

Even Hound Dogs have the blues

They play music that was "good once and is still really good," and the music Hound Dog plays is none other than the blues. But blues with a difference and this Winnipeg group will show why Friday evening in SUB Theatre.

Hound Dog's blues is a hybrid of all the blues styles that have developed since the 1920s. Chicago blues, jazzy blues; everyone from Muddy Waters to Bessie Smith is evoked in their music. It's a music that has built them a strong and loyal following as they've rocked Winnipeg's old Royal Albert Hotel back to life. Now they want to do the same thing to road audiences.

Hound Dog's members are seasoned musicians. All are from Winnipeg with the exception of Edmonton bassist Roger Brant. Other members are Ian Haslen on drums, Brent Parken on guitar, Harri Vallittu on piano and Gord Kidder on harmonica.

If you missed Hound Dog in September when they backed up James Cotton, here's an opportunity to see them again. They'll be giving one show at 8 p.m. Tickets are available at Mike's, SU Box Office, West Den, and at the door.



Hound Dog, Winnipeg's number one blues band will be rocking, rolling and crying the blues this Friday in SUB.

Culture Awards

Alberta Culture is inviting applications to its 1980 Cultural Assistance Awards Program. Any Alberta artist or arts administrator participating in dance, drama, music, creative writing or visual arts may apply under the program for financial assistance to improve qualifications or skills.

Cultural Assistance Awards offer the individual an opportunity to pursue studies at local, provincial, national or international institutions and universities or take independent studies under established artists.

All applicants are evaluated by an independent adjudication board comprised of professionals in the artist's own discipline. In some cases interviews or auditions are arranged prior to final decisions.

Alberta Culture offers Cultural Assistance Awards annually to successful applicants. The amounts range from \$50.00 to \$1,000.00

Deadlines for receipt of performing arts applications for the 1980 programs are: dance, drama and music - February 15, 1980, creative writing - April 1, 1980, visual arts - February 15, 1980.

Application forms and further information are available from:

Alberta Culture
Cultural Assistance Awards
11th Floor, CN Tower
10004-104 Avenue
Edmonton, Alberta T5J 0K5

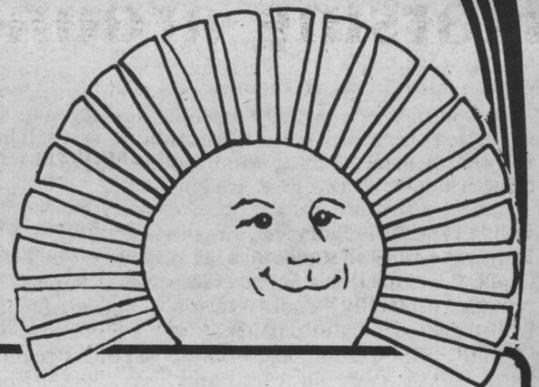
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8 P.M.-MIDNIGHT

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Course guide idea dropped again

by Keith Krause

A Students' Union plan to re-establish student evaluation of professors has been dropped for this year.

The course guide, first published in 1968, was intended to assist students in course selection. It was cancelled in 1972, due to mounting costs.

Efforts to revive it have continued for the past three years with little success.

"There is no long term implementation plan for the guide," said Chanchal Bhattacharya, SU vp academic. "It's an on-again-off-again proposal."

"We're doing as much work as possible this year on the guide to ensure that when it is re-implemented it is permanent," said Bhattacharya.

Last year's executive also made similar statements, citing inadequate planning as the reason for postponing the guide.

The estimated cost of the guide, if sold to students for \$1.50, would be at least \$21,000. This year's budget allotted \$10,000 for the guide, but the money

will now be used to support other student services.

Past course guides have also run into opposition from some faculties and departments who did not want professors evaluated by students.

"In some departments there is resistance to evaluation," said Dean Olmstead, SU president.

But Bhattacharya disagreed.

"Up till now there has been no opposition to the idea," he said. "In fact, a number of departments have reacted favorably to the idea."

A recent report of the U of A General Faculties Council (GFC) Committee for the Improvement of Teaching and Learning concluded that a system of student evaluation of instruction should be established.

The report also recommended the establishment of an Instructional Development Center for professors who wished to sharpen their teaching skills. However, no concrete steps have yet been taken in this

direction.

"There was some staff opposition in GFC towards the proposal that had come forward at that time," said Bhattacharya.

Students' Union efforts will now be concentrated towards the

establishment of compulsory student evaluation, perhaps by the university itself.

"A lot of departments are doing evaluations now on their own," said Olmstead. "Our intention is to work for com-

pulsory student evaluation, and from there to the course guide."

Bhattacharya concurs with this saying, "I'm positive eventually this university will move towards universal student evaluation of instruction."

SU sends aid to Cambodia

Students' Union agreed to donate \$500 to the Red Cross to be used for civilian aid in Cambodia at their December Students' Union (SU) meeting.

After a presentation by a group of graduate students, council examined various ways of getting aid through to the Cambodian people. The final decision - to send \$500 through the Red Cross, which is providing medical and food relief in the region.

It was also decided that any funds remaining after the Students' Union had met its commitments to the Indo-Chinese refugees it is sponsoring would be used for Cambodian aid.



It won't hurt a bit...The Red Cross is holding its annual January blood donor clinic at the U of A this week. The clinic, sponsored by the engineers, is open in Room 142, SUB, each day between 10 a.m. and 2:00 p.m. Better hurry, though, the clinic ends Friday.

CUP solves its problems

Delegates from over fifty university and college papers met in Toronto over the Christmas break at the forty-second annual Canadian University Press conference.

At the conference, an idea long discussed in the organization was finalized. Next year, CUP will be publishing a magazine, to be inserted in those papers who decide they want it. The magazine will be written and edited by students, and is expected to appear monthly.

CUP also considered the continued membership of several of its members. *The Grad Post*, newspaper of the graduate students at the University of Toronto, was expelled, because other members decided it is not run democratically, and is dominated by the grad student union.

The *NAIT Nugget*, on the other hand, will continue as a CUP member. Its membership was originally under review because of lack of participation in the organization, and because of sexist copy in the paper. However, the editor attended the conference and expressed commitment to change at the paper.

A variety of advertising boycotts were considered, in-

cluding Carling O'Keefe, because of its South African involvement, the major banks, for the same reason, and the RCMP and military. However, after lengthy and acrimonious debate, no decision to boycott these or any other companies was made.

The organization also elected a new executive at the

conference. Mike Balagus of the

Projector, Red River Community College, was elected president.

Cathy Smith, at present CUP's bureau chief in Quebec, will be running the news exchange next year, and Mike McEvoy of the *Uniter* at the University of Winnipeg will be the vice president and features writer.

What's CUP and why does the Gateway belong?

Canadian University Press (CUP) is a cooperative made up of newspapers at post-secondary institutions in Canada. Papers pay a fee based on their ability to do so - *Gateway* paid approximately \$8500 for this academic year.

Papers in CUP have the option of belonging to a national advertising network, Youthstream, which provides

Gateway with approximately \$18,000 worth of advertising.

Papers also participate in a news exchange, in which stories are received weekly in a news

package, and more immediate stories are sent by telex. A features package is also prepared weekly, and there are occasional CUP reviews sent to members.

The organization also sets standards for members. In order to belong, papers are required to print no sexist or racist copy, and are required to be run by their staffs collectively.

An important aspect of CUP is the opportunity it provides for students involved in journalism across Canada to meet together at national and regional conferences to exchange ideas.

Oh God...here they come!

Six days of cutting loose and blowing off excess steam ... Engineering Week is here again!

The forty-third annual Engineering Week is scheduled at the U of A January 14-19. Events this year will include

toboggan and keg races in Quad, rallies, skit night, boat races, and the traditional pub crawl.

Students can observe toboggan and keg races in Quad during noon hour Monday, Tuesday and Thursday, and a rally will be held Wednesday at

noon in CAB.

The various engineering clubs will also visit classrooms with their princesses, vying for the Club of the Year trophy.

Events will terminate with the Saturday night Queen's Ball.

Advocate

by

Colin Wong



Colin Wong is the recently appointed Student Advocate, an office operated by the Students' Union. His column will be a regular feature in *The Gateway* for the rest of the year, and Colin will outline the nature of his position and discuss some of the academic problems that students can encounter.

Have you ever felt that you have put more than a reasonable effort in a course, but you still have difficulties keeping up?

There can be many reasons for this, but the common one is the allegation that the professor is incompetent in his/her field of teaching.

In the past two years, the office of the student advocate has handled more than fifteen complaints in this area. Some of these complaints were frivolous, evidencing a student's attempt to project his failure on his professor. Others were legitimate, and when they could not be properly resolved, indicated the inadequacy of the present system to resolve these grievances.

In most cases, all the student advocate can do is gather evidence of incompetence, present it to the department chairman, and hope that he is diligent in keeping his staff on their toes.

In cases where evidence is strong, departments usually cooperate to alleviate the problems. For example, two years ago 29 of the 50 students in a math class signed a petition alleging that the instructor was impervious to their needs, because he refused to slow down and speak clearly so his strong accent would be better understood. When the petition was presented to the department, a Teaching Aids Committee was formed and the instructor was observed and advised by its members. In addition the class was moved to a larger room. As a result, most students were able to satisfactorily complete the course.

The most difficult problem facing students is gathering evidence to support their claims. In cases where the quality of teaching is not markedly bad, it is likely the consequences of the teaching are felt only by a handful of students. In such a case, the seriousness with which their complaints are heard depends entirely on the goodwill of the department concerned.

The problem of teaching quality is too complex to explore completely in this limited space. However, the two reasons most frequently cited by the university for not placing more emphasis on teaching competence are the lack of reliable means to measure "competence" and the belief that a more prominent aim of this university is to stress research rather than teaching.

The Students' Union is planning to reintroduce course evaluation and the university has set up a committee to study the quality of teaching. In the mean time, if a student feels that he is victimized by his professor's teaching, he should let his grievance be known, by contacting the Student Advocate, or more preferably, the concerned department. Some departments will allow students to switch sections, even after the deadline, if their grievances are legitimate.

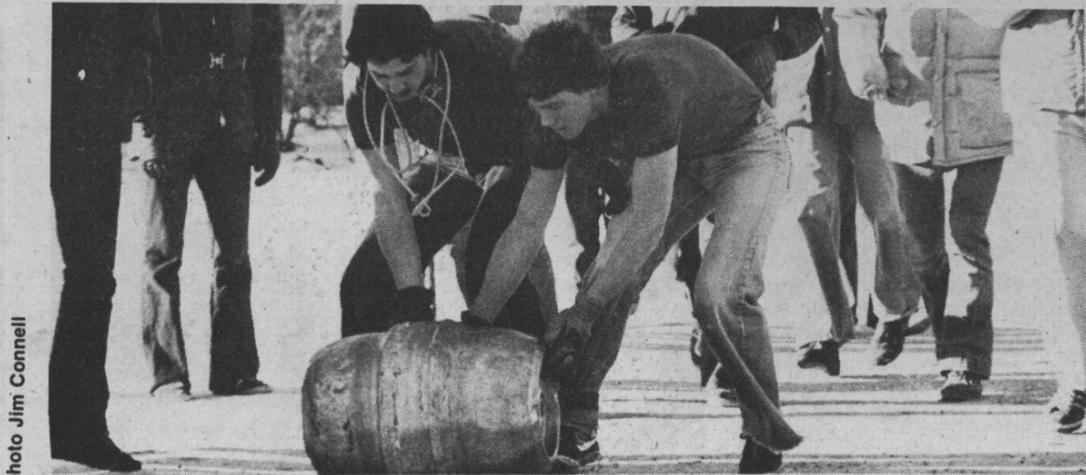


Photo Jim Connell

Hijinks at last year's engineering week. Hopes are that the fun will be repeated.

Meteorites reveal alien conditions

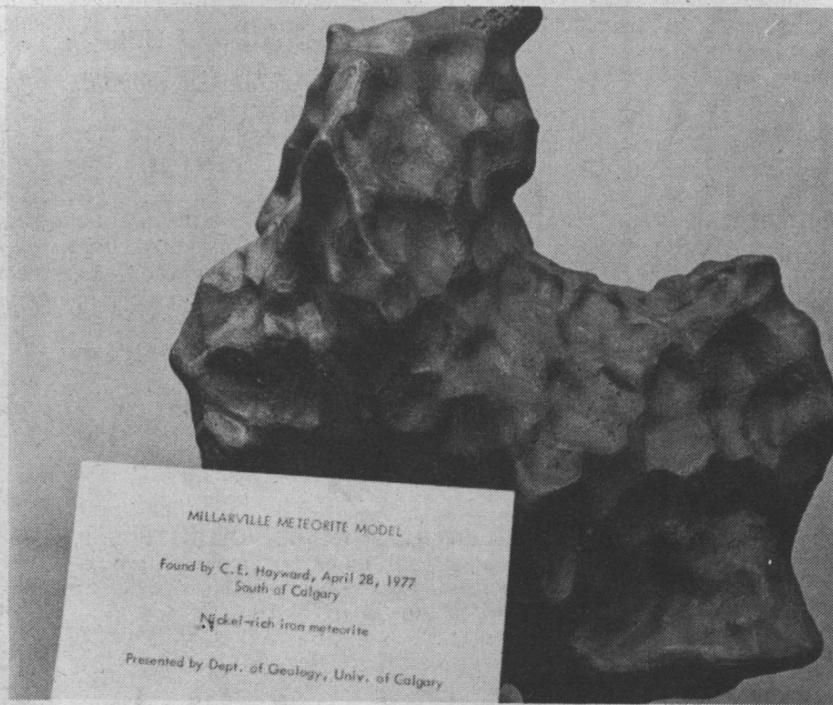
One of the best records of extraterrestrial conditions are contained by meteorites.

The study and recovery of meteorites provides a natural record of cosmic rays, solar activity and other conditions of the environment from which it came. Meteorites are one of the few rocks not extensively worked upon by the earth's environment and as such provide data on questions ranging from original planet formation to the composition of the earth's core.

Meteorite research in Alberta received its impetus from the fall of the Bruderheim meteorite near Edmonton in 1960. (Meteorites are named after the town nearest the fall.) Fragments of the rock together weighed over 300 kg, making it the largest fall in Canada.

As a result of the fall, the National Research Council (NRC) formed an associate committee on meteorites which in turn spurred the development of the Meteorite Observational and Recovery Project (MORP).

MORP established a prairie-wide camera network which allows for the recovery of meteorites before they are substantially eroded. The network recorded the fall of the Innisfree meteorite in February 1977, only the third such time such an event has ever been recorded in the world.



This meteorite is part of the U of A collection housed in the Agriculture bldg.

MORP also investigates meteorite "finds," for which there is no information regarding its descent. In fact much

of a geologist's time is spent investigating "false alarms," rocks reported for unusual characteristics to

the department. Often however, in the case of the Skiff meteorite, careful investigation is rewarded with the recovery of a prime specimen. Meteorites are actually a rare phenomenon, as most meteors burn on entry to the earth's atmosphere — at night they are observed as shooting stars.

Dr. Johann Steiner, a professor of geology and a member of MORP, is concerned about the possibility of meteorites on the ice fields of Northern Canada. The recent discovery by the Japanese and American expeditions of nearly 1000 fragments on Arctic icefield could be well worth searching, said Steiner. Steiner said he was also concerned that the Americans could well afford to outfit an expedition into the area and thus capitalize on what must be considered an important part of Canada's scientific heritage.

Steiner said he hopes that a program will be established for scientists in other disciplines and persons on Ellesmere Island for industrial reasons, to educate them on the basic techniques of meteorite identification and recovery.

Steiner is also curator of the university's meteorite collection, housed in the Agriculture Building. The collection is one of the most expansive in Canada.

photo Russ Sampson

relative perspectives

by W. Reid Glenn

CANDU reactors operate as good converters and have the possibility of becoming excellent breeders (with the use of thorium additions in the fuel). Thorium is a fertile material; can be transmuted into U-233 and is found in much larger quantities than uranium in Canada. U-233 is the best possible fissile material for a thermal reactor's appetite and can be easily created with a CANDU reactor without significant modifications. Thus as the price of natural uranium fuel increases, thorium can be combined with the uranium fuel to vastly extend the lifetime of nuclear power in Canada. The neutron efficiency of the CANDU reactor again allows the natural resources of Canada to be efficiently exploited.

All other breeder reactor designs suffer in comparison, as one shall see.

A breeder reactor is one in which more fuel is created by the nuclear fires than is consumed. A convertor does not quite produce as much as it burns while a burner reactor creates little or no extra fuel. It is inevitable if future power is to be derived from the atom that breeder reactors are necessary in order to extend to infinity the finite fissile reserves of our planet. The CANDU reactor is a slow breeder primarily designed for low grade heat production and is quantitatively safer than the horrendous Liquid Metal Fast Breeder Reactor (LMFBR) pawned off as progress by the rest of the nuclear club (Britain, France, West Germany, U.S.A.).

LMFBR are solely designed for breeding and do not employ a moderator to slow down fast neutrons. Since the neutrons are only slowed by converting other materials, this means that the energy of a neutron in the core of a LMFBR will be, on average, a million times that of an average neutron in a CANDU core. This situation is very conducive to transmuting materials but also very difficult to control, cool and maintain.

Maintenance problems occur from the deleterious effects that these atomic missiles have on the material which makes up the core. Very exotic alloy steels are blended to be able to withstand the constant neutron bombardment. However, when the materials are stressed, they exhibit a phenomenon known as creep; a gradual, permanent deformation caused by their strains.

In the highly successful Pickering reactors, for example, it has become necessary to retube the fuel bundle channels because of creep caused in the

metal tubes. LMFBR of the past have suffered this problem also. The Enrico Fermi reactor almost melted down (*The China Syndrome*) because a cooling channel was blocked by a piece of the core structure which became loose inside the core. The fact that Detroit was not lost because of this incident was very fortunate for all concerned.

Since the neutrons are so energetic within the LMFBR core the heat generated per unit area is correspondingly greater than in a conventional thermal nuclear reactor. The heat flux is so great that water cannot be employed and liquids with high thermal conductivities are required (liquid metals such as lithium, sodium and potassium). Their disadvantages are legion; corrosiveness, the ability to become highly radioactive and their unstable nature at flowing conditions.

In any reactor it is necessary to transfer heat from the core to an open steam cycle. The heat is transferred by heat exchangers containing liquid metals on one side and water on the other in a LMFBR. Any leaks in these large, highly stressed vessels will cause radioactive chemical reactions that release great amounts of heat. In these situations, small tube break can cause extensive, possibly catastrophic damage.

The CANDU reactor employs heavy water which, if maintained pure and without gases, is non-corrosive and does not become radioactive. The contaminants which are radioactive within the fluid are easily removed by water treatment techniques (similar to water softeners). Leaks in CANDU style heat exchangers do occur but only involve the loss of heavy water into the environment, a costly but not very dangerous occurrence as compared with a similar LMFBR incident.

The control problem is a function of the reactor design. The CANDU system has considerable inertia in the moderator and the period of the reactor (the time it takes a neutron given off in a fission reaction to start another) is long. This allows easy control since the plant responds slowly to levels of criticality (i.e. the rate at which fission reactions take place). The fast breeder's period is much shorter and so must be much more quickly controlled and monitored to prevent accidents.

The next article will describe the differences in core cooling between the CANDU and other thermal reactors and why again the CANDU system is safe.

Scientist wins prize

Dr. Gordon Rostoker, one of the world's foremost authorities on the physical phenomenon responsible for the Northern Lights, is the 1979 recipient of the Steacie Prize.

The award, which includes a cash prize of \$3,000, is presented annually by a committee of distinguished Canadian scientists for outstanding scientific research in Canada.

While a graduate student, Rostoker conceived that the key to unravelling the mysteries of the aurora lay in the design of an array of recording instruments capable of measuring the varying magnetic field of the earth simultaneously at several different points along the same meridian. He established these instruments at the U of A shortly after he joined staff as a physics professor in 1968.

Information gathered has been used to develop a number of successful theories on the rapidly changing aurora displays. The changes apparently are closely related to changes in the interplanetary magnetic field and are ultimately caused by the sun.

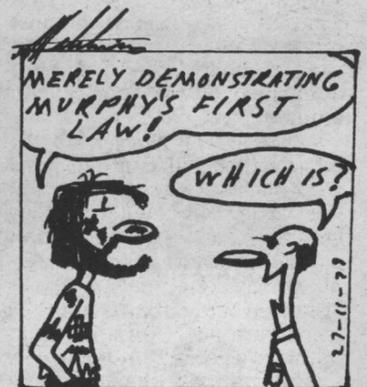
Zooooo-ology exhibition

Over 90 specimens of birds and mammals are featured in Zoogeography, an exhibit that depicts the global distribution patterns of birds and mammals.

The exhibit will be on display at the Provincial Museum, from December 15 to March 18.

Zoogeography looks at the composition and distribution of existing wildlife from a historical perspective. The exhibit looks back over the past 200 million years and examines the effect of movement of the continents through continental drift, and major geographic barriers such as the Isthmus of Panama, pointing out how the degree of isolation can effect the uniqueness of a region's wildlife.

The exhibit is sponsored by Alberta Culture.



SU seeks grant component

The Students' Union is asking the federal government to add a grant component above its current loan ceiling.

At its December meeting, Students' Council passed a motion asking the federal government to "increase the amount of aid available to students by adding a grant component above the current loan ceiling." The current loan ceiling is \$1,800.

"The amount of aid available is often not adequate. Since loans have been clearly shown to have a deterrent effect on students and potential students, we are asking that the extra funds be made available in the form of grants," said Tema Frank, SU vp external.

Alberta is currently the only province that does not have a grant component as part of its provincial student aid program.



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If interested, please send resume to:
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Esso Chemical Canada
Agricultural Chemical Complex
P.O. Box 28000
Edmonton, Alberta T5J 4R4

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Student Help is a group of students who are concerned about people.

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Student HELP is to help you with your questions and problems, with what's bugging you or got you down. Student HELP is to explain a complex University. Student HELP is to share a good head-to-head rap.

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Room 250 SUB, 432-4266. Come on up for a free coffee, or phone if you'd rather. 8 AM - 11 PM Weekdays, 5PM - 11 PM Weekends.

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U of A Fencing Club BEGINNERS CLASSES

Mondays: 7:30 - 9:30 PM
Fencing Studio W-12
Phys. Ed. Building

Registration: January 14th, 7:30-8:00 PM
Fee: \$95.00 (Includes mask, foil, plastron, membership, lessons.)

FRESHMAN ORIENTATION SEMINARS

FOS

Applications for Freshman Orientation Seminars 1980 Assistant Director are now open.

Duties include:
-manpower recruitment and training
-chairman, Policy Board Committee on Recruitment and Training
-working in conjunction with the Director in general programme operations

Term of Office is one year from the date of appointment. Salary is presently under review.

Letters of application and a detailed resume should be submitted to:
SELECTION COMMITTEE
c/o Speaker, F.O.S. Policy Board
Room 278, SUB, U of A T6G 2J7

Application Deadline: January 18, 1980, by 3:00 PM

For further details, please contact
Dawn Noyes,
c/o F.O.S., Room 278 SUB
or phone 432-5319.

U of A runs away with meet

by Karl Wilberg

The holiday season and missing competitors were the greatest threat to the U of A track team's victory in last Saturday's triple meet. The meet, held in the Kinsmen fieldhouse went on between the U of S and the U of A in spite of weather preventing the U of Calgary's participation.

The U of A won, however, according to organizer-coach Gabor Simonyi, the "men rescued the effort" to compensate for athletes still on holidays. In fact, Simonyi states the men's performance "beat Saskatchewan to bits and pieces." For example, the U of A spring relay team set a Canadian record of 42.5 seconds in the 4 x 100 event.

The sprint squad includes national class runners Frank van Doorn and Dan Biocchi, as well as successful provincial sprinters Sean Kehoe and Jack Sugget. In particular, Simonyi was impressed with Sugget and states "we had a big deficit" of 15 m to make up and "if it wasn't for him the team would have lost."

The U of A's men also did well in field events. The Bears took first and second in the triple jump, the high jump, and the shot put. The Bears added a first

and third in the pole vault, and Brian McFadden led the U of A in its first, second, and third place sweep of the long jump. Simonyi mentions McFadden is new to the event and only began practising this October.

Not surprisingly, with only nine competitors, the U of A women, according to Simonyi, were "beaten handily." Simonyi had counted on Karen Chorney and Birget Otto for the long distance events, but injury prevented Chorney from running and Otto was absent. The team also missed Olympic competitor Margo Howe.

Simonyi states Saskatchewan has a large team and will be better next year. Also, Simonyi believes the next couple of years will not be as kind to the U of A as the last two. The U of A, it appears, could have won a national championship if one had existed. Now, Simonyi realizes the team will lose national class competitors like Biocchi and van Doorn. In addition, Simonyi comments the CIAU's failure to organize a championship "takes the wind out of sails."

In any case though, Simonyi knows that "like a wave" the loss of veterans is "experienced by all universities." Consequently, the U of A program is attempting to

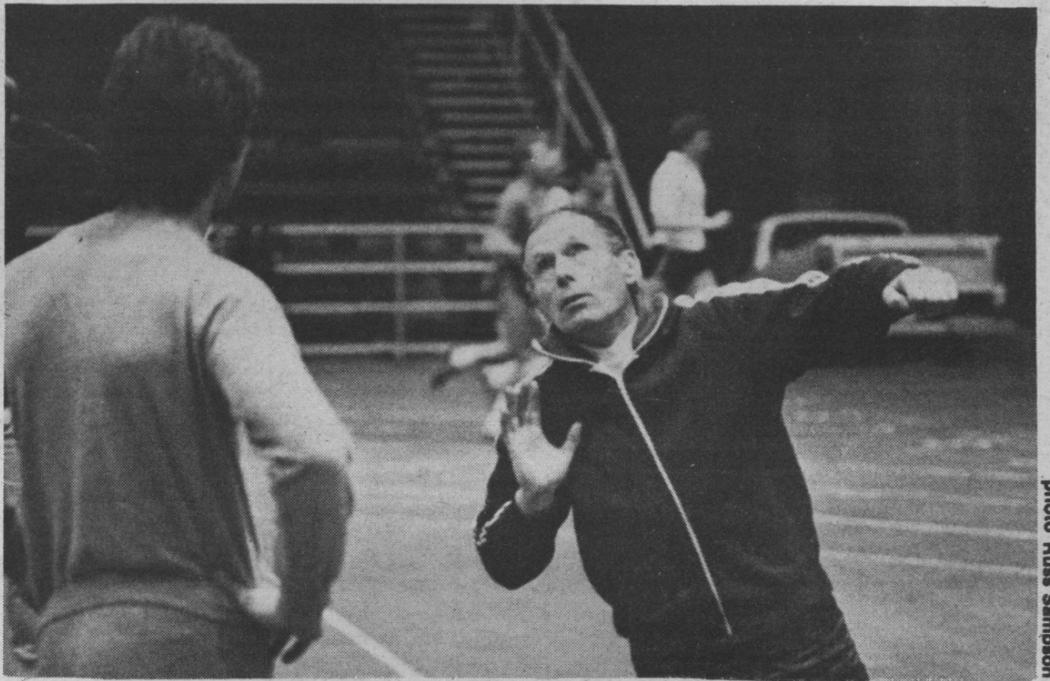


Photo Russ Sampson

Organizer and field events coach Gabor Simonyi instructs with invisible shot-put.

eliminate what Simonyi terms "shallow recruiting." In other words the team will look to sources besides the phys. ed. faculty.

For example, Simonyi plans to continue with a summer camp and hopes to cultivate high

schools for potential athletes. It seems the problem is not in a lack of potential athletes and Simonyi agrees it is more a matter of getting talent involved. He declares there are "always people who show good potential."

The U of A will host the next

meet and schools from the northwestern US and the CIAU West conference will compete in the February 1 and 2 meet. Simonyi mentions preparation is underway and the Golden Bear meet will be in keeping with its good reputation.



Photo Brad Keith

Pandas in practice for this weekend's match with UBC.

Pandas 50-50

by Dora Johnson

Over the Christmas break the Pandas took part in two invitational tournaments. On December 28, the basketball team was in Regina in the Queen City Classic. The Pandas hoped to encounter some of the teams from outside their conference but ended up competing against teams from their own league.

In the first game the Pandas lost to the first place Victoria Vikettes 88-63. At half time the Pandas were down by only 11 points but could not hang on to that margin. Carol Tourney-Loos paced the Vikettes with 23 points while Trix Kannekens lead the Pandas with a 23 point scoring effort.

The Pandas then advanced to play the Saskatchewan Huskiettes and squeaked by 64-62. Janet Bosscha lead the Pandas with 23 points, Sheila Brennan for the Huskiettes had 19.

In the consolation finals the University of Calgary Dinnies defeated the Pandas 71-63. The Pandas stayed within 2 points of the Dinnies until the last five minutes when they pulled ahead

taking advantage of Panda fouls. Top scorers for Alberta were Janet Bosscha with 19 points and Trix Kannekens with 15; Lori McPhail shot for 18 and ex-Panda Lori Chizik hit for 12 for the Dinnies.

The Pandas came back for New Years then left for Saskatoon for the Huskiettes Invitational Tourney. In their first game the Pandas lost to Guelph 53-46. The Pandas, instead of playing their usual aggressive style, played too cautiously which proved to be costly. Trix Kannekens lead the Pandas with 17 points.

The Pandas went on to defeat the University of Regina 71-36 and the University of Lethbridge 78-40 winning the consolation finals. In both games Alberta out rebounded and out hustled their opponents. Trix Kannekens was top scorer for the Pandas with a total of 51 points in the two games.

The Pandas play their first league games of the new year at home on January 11 and 12 when they host the University of British Columbia.

B-ball hopes inflate

by Ernie Lotz

The Basketball Bears had a relatively quiet Christmas break and opened up the new year with a good showing in Calgary at the Calgary Classic Basketball tournament last weekend.

In the opening round the Bears matched up against the number two ranked team in Canada, the Brandon Bobcats. The Bobcats were very surprised at the Bears hustling defence and fine outside shooting that kept the game close. Were it not for poor foul shooting, the Bears might have won the contest.

From the line they shot an atrocious 44%. The score was within one point with three minutes left but the Bobcats came back to win 80-73, scoring two free throws with no time left on the clock. High scorers for the Bears were Jamie Thomas with 20, Jeff Gourley with 18, and Colin Fennel with 10. The Bears controlled Brandon's seven foot center Jerry Abernathy and held the most valuable player in the tournament, Fred Lee, to 12 points.

The Bears moved to the consolation side and met the Saskatchewan Huskies in a matinee performance. They were down at half time but came back to outscore the Huskies by 23 points to win 76-57. Tom Groat scored 21 points with Jeff Gourley and Jim Bonin netting 14 points each.

The Bears shook off their previous poor performance to beat Lethbridge in the consolation final 94-88. Jamie Thomas shot 71% from the floor to collect the game high, 28 points. He was named the most valuable player of the game and was given honourable mention in the selection of tournament allstars. Brent Patterson al-

shot well at 70%, scoring 20 points, and Tom Groat added 21 points.

The Bears were hurt by the absence of Tim Ryan who shares the post with Tom Groat. However, Groat played extremely well with an average of 16 points and 11 rebounds per game. Veteran guard, Brent Patterson led the team with assists and Jeff Gourley added consistency in scoring double figures in all three games.

Overall, Alberta had a successful tournament, showing an unexpected performance which surprised many coaches and players. Coach Heaney was very happy with the Bears play and stated that "this had been the best they had played all year and a noted improvement should take place from now on." This improvement could be attributed to players getting to know each other and their styles of play.

Coach Heaney concentrated last weekend on defense.

The defences were mixed often from full-court to half-court to man-to-man which kept their opponents off balance. This also gave rise to a well-run fast break by the team. However, there seemed to be a definite weakness in the transition into a set offence where time is lost on the 30 second clock. Coach Heaney says improvement will be made during the next few weeks in relation to this problem.

This weekend, the Bears, tip off against the University of British Columbia Thunderbirds to determine third place in the conference. The team is looking for a lot of support from the students and fans in probably the two most important games of the season. Coach Heaney feels that attendance is an important aspect to the program which adds much to the performance of the players.

I think we will see a much improved and exciting team in 1980 and everyone is urged to come out and cheer the Bears on.

Hold me tender

Don't let the cold weather blues get you down this weekend when you can drop into the Physical Education Complex and watch some exciting action from the campus Grunt and Groaners.

This year's wrestling team has had an exceptional season to date, losing 25-25 to Lakehead University and 23-22 to Simon Fraser University which are ranked second and third in the nation respectively.

Led by Canadian Champions Pierre Pomerleau (C.I.A.U.), Scott Tate (National Junior Champion) and Al Harmon (Canada Winter Games Champion), the team has dominated the Western Canada

Conference. As well, team veterans Glenn Purych (C.W.U.A.A. Champion) and Earl Binder (C.W.S.A.A. Champion) are both excellent bets to win National titles this year.

Friday night the Bears take on Northern Montana College in a Dual Meet. Wrestling will begin at 7:30 p.m. in Phys. Ed E-19. Saturday the Grapplers host the 14th Annual Golden Bear Classic with 125 wrestlers from across Canada anticipated to arrive.

Competition will be in the Main Gym commencing at 9:00 a.m. with finals starting at 3:00 p.m.



Hockey Bears split games with Dalhousie before New Year.

Ice Bears hibernate

by Shaune Impey

The Golden Bears' hockey team did not start the new year off on a good note as they dropped a 2-1 decision to the visiting Calgary Dinosaurs Tuesday evening in Varsity Rink.

With the loss the Bears also relinquished top spot in the league standings to the Dinosaurs. Both teams went into the game with identical records of ten wins and three losses.

Both teams started out slowly and neither side could muster a dangerous shot on goal in the first period which ended scoreless. Calgary got all the goals they needed early in the second period as Jerry Bancks, on a powerplay, and Roger Mitchell on a breakaway gave the Dinos a 2-0 lead.

The third period belonged to Calgary netminder Jerry Farwell however, as he stopped 16 of the 17 shots directed his way. Only veteran right winger Jim Lomas could beat Farwell. His breakaway goal came at the 3:27 mark when he took a perfect pass from Chris Helland and fired a high wrist shot past Farwell.

Bears' coach Bill Moores appeared quite disenchanted with his squad after the defeat. He said they "lacked intensity over the full game. We're capable of doing it (playing intensely for 60 minutes) but just not doing it now." He said the lackluster performance "wasn't from lack of preparation" and suggested that certain players weren't playing up to their potential

and/or expectations of the coaches.

BEAR FACTS

Danny Arndt, who has missed most of the season with a hip injury, should be back in the line-up when the Bears travel to Saskatchewan next weekend.

The number two ranked Dalhousie Tigers were in Alberta over the holidays and split two games with both the Bears and the Dinosaurs.

This weekend the Bears are in Vancouver to play UBC who have a 8-7 record. Last time out the teams split two close games.

With veteran Ted Poplawski back in the line-up the back-up goalies, Lee Arthur and Brad Hall, will likely take turns in the press box.

Work, work...

The Bears and Pendas volleyball teams have had a long break, but not one without preparation. Bears coach Hugh Hoyles and Pendas coach Pierre Baudin have used the holidays to prepare for the International tournament of champions to be held here this weekend.

Both squads have employed grad students Dave Smith and Jim Sexsmith to concentrate on developing player's endurance. In addition, the Bear's used intensive six hour practises five times weekly for the early holiday season. Hoyles believes that normal two hour now "seem shorter" and players work more intensely.

Consequently, it is no surprise both Hoyles and Baudin believe their team's fitness is an advantage over opposing teams. Still, both coaches have other plans intended to defeat the tough opposition expected this weekend.

In particular Baudin states

But wake up

Ahhhhh! That's more like it. Last night the real Golden Bear hockey team showed up and gave the Calgary Dinosaurs a lesson in the fine art of hockey.

Eight different players shared in the scoring as the home-standing Bears pasted the Dinos 8-1. Joel Elliot, Chris Helland, Mike Broadfoot, Rob Daum, Ace Brimacombe, Terry Sydoryk, Dan Peacocke and Greg Skoreyko all counted once.

Coach Billy Moores was at a loss to explain the abrupt turn-around from Tuesday's poor showing against the same Dinosaurs which saw the Dinos come out on top by a 2-1 score.

the Pendas have some "new offensive wrinkles" involving a different serve reception system.

The Panda's defense has also been changed in response to weakness against big teams. Now, Baudin hopes the Pendas can counter a quick attack to the outside and prevent a setter dumping the ball over the net.

Hoyles' Bears also have some new features in playing strategy. Hoyles has been planning to use two offenses, but only recently believes the team has become familiar with the 5-1 offense in addition to the 6-2 line-up.

Hoyles believes the 5-1 offense, with more men on the net, can increase "top blocking against top hitters." Also, he believes having a variety of strategies can "upset opponents."

Lately, during holiday training, Hoyles' team has worked hard and systematically on offensive strategy.

It seems the Bears are being built up for a match against the U of S Huskies. The Huskies, a powerful team in the CIAU West beat the Bears in a disappointing match earlier this season. However, the Bears, according to Hoyles have "burst the bubble with the other teams" and are looking to burst the Huskies' thick walled bubble.

Both Hoyles and Baudin emphasize the tournament is to be exciting and mention there will be no weak entries. For example, schools like the University of Southern California will participate. The tournament will start Friday and will use a round robin system.

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No average Bears

by Birt Townshend

The Bear ski team according to coach Bruce Wilson was to peak sometime in February. However, the squad has done well already and by February may become the province's second strongest team.

The Bear's Bryan Mekechuk swept the January 3 and 4 downhill race at Prince George. Mekechuk skied to a four second victory over two runs on the technical Purden Mountain course.

The course average speed was 90 km/hr and contained some difficult bump and S-turn sections. In fact Mekechuk mentioned there were some "multiple injuries, fractures, and lacerations."

However, the rest of the team, racing at a Fortress mountain downhill, did not perform as spectacularly as their teammate Mekechuk. Still, Mark Stein managed a fourth place Jan. 4 and missed third by .01 second. Also, Keith Losie placed tenth Jan. 3.

Perhaps the team's best results came in the Mt. Norquay Alberta Cup season opener last weekend. The race featured ex-national team racers and others like Jim Read, being groomed for a national team spot. The Bear's Mark Stein placed fifth Saturday and pulled up to fourth Sunday. Saturday, Stein was beaten by Bill Irwin, Gregg Hann, Gord Perry, and the winner, Jim Read. Sunday, Stein took advantage of a fast second course and his number



Three Bears, Wilberg, Mekechuk, and Stein toast the New Year's results.

one start position to grab fourth place.

Stein remarked on Sunday's race: "it was advantageous to be first down because the course was faster (than the first) and broke down quickly." Consequently, racers following Stein had a rougher course and generally, slower times.

The Bear's success was not limited to the mountain races last weekend. At a Rabbit Hill slalom the Bear's Karl Wilberg took first and teammate Chris

Wright placed third in Saturday's race. The Bears filled up the top ten with a fifth by Mike Matishak and a seventh by Clark Seadon.

On Sunday Wilberg placed second behind winner Gilbert Wall from Jasper. The Bear's Wright and Matishak finished well in the top ten, and Cameron Huckell finished fourth.

The race season is well under way and the next elite race will be a prestigious Pontiac Cup slalom at Revelstoke.

photo Brad Keith

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SUELECTION

STUDENT UNION GENERAL ELECTION

NOMINATIONS ARE NOW OPEN FOR THE FOLLOWING POSITIONS:

SU Executive Committee:

- President
- VP Internal Affairs
- VP Academic
- VP Finance and Administration
- VP External Affairs

University Athletic Board (UAB)

- President Men's Athletics
- President Women's Athletics
- VP Men's Athletics
- VP Women's Athletics

Board of Governors

- 1 Student Representative

Closing of Nominations:

1700 Hr., Thursday, January 24th, 1980
Election Day: Friday, February 8th, 1980

For further information, please contact the SU Returning Office (Room 271, SUB) or the Receptionist, SU Executive Offices (Room 259, SUB).



STUDENTS' UNION

Rum flavoured. Wine dipped.

Crack a pack of Colts along with the beer.

footnotes

JANUARY 10

Outdoors Club general meeting 7:30 pm in Tory B45, new members welcome.

LSM 7:30 p.m. Bible Study on "Luke" begins at the Centre, 11122-86 Ave.

University Parish Thurs. dinner, worship, discussion. 5 p.m. in SUB Meditation Room \$1.50 for meal. Join us. All welcome.

Home Ec Week. Broomball game 9 pm, 11840-87 Ave. Windsor Community Centre. Bring your own broom. Refreshments.

U of A Rodeo Club. Bulls, Bronco's and Bare's, we can get you mounted.

Campus Crusade first fellowship meeting tonight from 5-7 p.m. Tory 14-14. Theme - Prayer.

PSUA. Forum on Oil Pricing and Energy Policy with professor Garth Stevenson and Mr. Peter Knaak, MLA, 3:30 p.m. Tory 14-9.

JANUARY 11

Education Students' Assoc. Orientation to practice teaching for any interested ed. student. 12 noon to 1 p.m. in Rm. N2-115 Ed.

LSM 8 pm. Film biography of Sir Thomas More, "A Man for all Seasons," will be shown at the Centre, 11122-86 Ave. \$2. All welcome.

Home Ed. Week. Walking Rally. Contact Joanne 434-9959 immediately if you wish to enter a team - final party SUB 142 at 8:30 p.m.

JANUARY 13

Luthern Campus Ministry 10:30 am worship in SUB 142. All welcome.

Newman Community supper & coffee house in Newman Center at St. Joe's College 7:30 p.m. Tickets available from chaplains.

JANUARY 15

Ed. Students' Assoc. Job Search Forum. 3 school personnel officers will be in attendance 11 am to 12:30 pm Main Flr Lounge, Ed. Bldg.

LSM 8:30 pm. worship at centre, 11122-86 Ave. All invited.

Boreal Circle for Northern Studies meeting in Lounge (4th flr, Centre, Wing, CW 410) Bio Sci. Bldg with speaker Dr. Spady.

JANUARY 16

Rec. Students' Society. Meeting for any

rec students interested in serving on a committee to plan the Western Canada Students Rec Conference to be held in Feb. 1981 at U of A.

GENERAL

Freshman Orientation Seminars directors office hours (278 SUB) MWF 12:30-2:00; TF 10:00-11:30. or by appointment. Phone 432-5319.

Would the person who borrowed my light blue downfill coat from P.Ed. locker room at least return my keys please to T.K. Sabine, Tower B102, 8735-165 St., Edmonton.

U of A Bowling club starts the 2nd half of its season. New members are welcome. Note: Bowling starts at 7 p.m. sharp.

Volunteer Action Centre (U of A) new office hours: Th. & Fri 11-3 p.m. 132 (downstairs) Athabasca Hall.

Volunteer Action Centre needs 6 volunteers to work with children (one-to-one) 12-14 years old in a study skills program. Westmount area 2hrs/wk. Contact VAC 132 Athabasca Hall Thurs. or Fri 11-3 or call 432-2721 for info.

Adventure Ski Tours bring on the 80's social with Footloose in Golden Garter 8 pm-2 am. Tickets \$5 in advance only at CAB, Tues, Thur, Fri or HUB Ticket office.

Student Affairs Student Counselling invites mature students to brown bag rap session every Tues. 11-1 pm. Heritage Lounge, Athabasca Hall.

Rutherford House, 11153 Sask Dr. open Sat & Sun, noon to 6 pm. Conducted tours are given. Phone 427-3995 (weekends) or 427-5708 (weekdays) for more info.

CYO dance classes every Fri. 8-9 pm in Tory 14-9. Learn the latest steps; be a friend to yourself.

U of A Kendo Club meets Thurs, 8 pm in Fencing Studio in Phys. Ed. bldg.

Gregorian Chant Choir - rehearsals for the choir to be held every Mon. evening 7-8:30 pm in St. Joe's College, rm. 102.

Cantonese classes meet Fri, 5:30-7:30 pm in Tory 1-93. Learn to speak conversational Cantonese.

Students International Meditation Society free intro. lecture every Tues. 8 pm in SUB-270.

U of A Aikido club classes held every Fri. 5:30-7:30, Judo Rm. West Gym.

Daily Mass at St. Joe's University Colege: MWFS 12:10 & 4:30; TR 12:30 & 4:30; Mon-Fri 730 a.m.

U of A Wargames Society meets every Wed. & Fri. 6-11 pm in CAB-335.

Pakistan Students Assoc. prayer every Fri. at 1:30 pm in Rm. 260 SUB. All welcome.

"Technocracy Explained" - Rocking Chair Lounge HUB Mall Tuesday evenings, 8 pm.

classifieds

Classifieds are 15¢/word/issue. Must be prepaid in Rm. 238 SUB - 9 am - 3 pm. Deadline is 12 noon Monday & Wednesday for Tuesday & Thursday insertion.

Hayrides and Sleighrides between Edmonton and Sherwood Park, 464-0234 evenings between 8-11 p.m.

Edmonton Yoseikan Karate Club: Call Sport Alberta 458-0440.

Quick, professional typing. 85¢/double spaced page. Call Margriet at 432-3423 (mornings) or 464-6209 (evenings) or drop by Rm. 238 SUB 9-noon.

Typing, photocopying, rental of typewriters available at Mark 9, 9004-112 St. HUB Mall, 432-7936. Chargex accepted.

Experienced typist available, 462-3934.

Typing - neat, prompt. Term papers, etc. 482-1923, Lyla after 5 p.m.

Will type students papers and assignments. Reasonable rates. Phone Carole 468-5017 evenings 466-3395.

Excellent typing: fast and accurate; IBM Selectric. Phone Mona 465-7026.

M/F to share 3 bedroom apartment with 2 females. Near Southgate. Rent \$125/mo. Free parking. 436-3048.

Female, requires a female roommate, (age 22-25) for a fully furnished two bedroom apartment on the southside 5 min bus ride to University. \$140.00 a month call 435-8008 after 5:30 p.m.

Observers for daycare research needed. Four-six hours/week, for six weeks. Good wages. Call 432-5428 or 432-4273. Leave name and phone number.

Yoga for better health: keep-fit yoga group offers classes Wednesday evenings at University. Twelve weeks. Starts January 23. Fee \$30. Full-time university students \$20. Registration: January 16, 6:30-8:00 p.m. Room 9, Floor 14, Tory building. Enquiries to Box 184 University Post Office.

Mature neat person, to share furnished house - University area. 433-4859.

Room for Rent. Co-op housing, near University. \$125.00/month, 437-2603.

Person required for gas sales and customer service, 3 p.m. - 11 p.m. Mon. Fri. Apply Wizz In Self Serve Car Wash 7110-82 Ave. 8 am - 2 pm or phone 466-0850 for appointment.

Who's into fingerpicking guitar (folk, ragtime, blues, jazz) and wants to play together with another picker? Contact Michael 439-1226.



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FEE PAYMENT DEADLINE

University regulations provide that the last day for payment of the second instalment of fees and for payment of fees for Second Term only registrants is January 15, 1980. A penalty of \$15.00 will be charged on any payment received after that date.

The regulations further state that should payment not be made by January 31st, registration will be subject to cancellation.

Fees are payable at the Office of the Comptroller, 3rd floor, Administration Building, or by mail addressed to the Fees Division, Office of the Comptroller, The University of Alberta.

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