

Cancer can be beaten

First the chemotherapy, then the radiation, and finally the laetrile. I just couldn't take it anymore!

Earn and learn

by John Roggeveen
A Master's program in oil sands technology has been established at the U of A to develop well qualified personnel for the oil sands industry.

And students in the program are being paid an average of \$1500 per month to take it.

Corporate financial support is provided for 13 or 14 students in the program while they are attending university. AOSTRA, an. Alberta government crown corporation, is paying 12 students 75 per cent of a typical industrial salary. Another student is being supported by Hudson's Bay Oil and Gas; one student is selfsupported.

The program is a cooperative education program involving the U of A, the Alberta Oil Sands

Funding varies depending on when the student graduated," said Dr. J.D. Scott, academic director of the Master's program. The higher the person's salary was in industry, the higher the amount of support he will receive

The program is open to graduate engineers and scientists who meet the requirements of the Faculty of Graduate Studies and Research. However, only Canadian citizens or landed immigrants are eligible for AOSTRA support.

graduates with two to four years experience in industry," said Scott.

Students in the program must spend 4 months at universi-



Moon rocks? Whatever they are, they have something to do with oil

ty, followed by a year in oil sands Technology and Research related employment and another Authority (AOSTRA) and in- 4 months at university. While working in industry, students will receive a full salary.

"I came back to broaden horizons and to get away, from a strictly mining orientation," said Paul Humphreys, a student in the program.

AOSTRA's Dr. Ted Cyr said the program will provide the quality technical personnel desperately needed by the oil

AOSTRA, is developing new technology that will increase the yield of oil from existing

conventional oil reservoirs and from the tar sands," Cyr said.

Other companies are following Hudson's Bay Oil and Gas in supporting the program. Petro Canada has contributed \$10,000 to the program, according to Maurice Dusseault of the U of A Department of Mineral Engineer-

A brochure containing information about the program can be obtained from Dr. J.D. Scott at the Civil Engineering office, the Dean of Engineering or at the Summer Work Experience Program (SWEP) office.

TRA support. "We are looking for Finance board gives in

by Jim McElgunn

The Federation of Alberta Students (FAS) has finally made: some real progress with the Students' Finance Board (SFB) over student loans.

The SFB agreed Wednesday to hold at least two meetings with FAS to deal with next year's loan budget guidelines. FAS was very upset this summer when the SFB did not call a meeting to discuss this fall's budget guidelines as it had promised.

The Board also agreed to take regional differences in living costs into account, especially for housing. This is a serious problem in Northern Alberta, notably Grande Prairie, where housing prices are much higher than elsewhere in the province. Current loan guidelines do not allow for these differences.

Married students also got a break. FAS announced Wednes-Epstein concluded that day the SFB will "give serious consideration" to ensuring mament unless the public married students with much higher living expenses than do single students get loans large enough to attend post-secondary institutions.

Alan Murray, FAS president, said the Board also promised to consider notifying students of their loan status if their loans are

FAS' Alan Murray

delayed. This will ease the uncertainty many students feel while they are waiting to see if their loan request is granted. The Board says this may be in place by 1981-82.

Murray said the Board regrets the big delay in processing applications this year and "we've been assured it won't happen again.

The most important result of Wednesday's meeting, according to Murray, is that the SFB has recognized that FAS and students in general should have more input into the student loan process.

'Things are looking up.'

by Skeet

'Nuclear war or peace? "They are not going to have a

by Greg Harris

Nuclear war "will be certain" before the end of the century unless "real progress" is made towards disarmament, said Epsover 100 in Dinwoodie Tuesday.

'The arms race is going on at

history," he said.

twenty times over, Epstein said. adventure.'

Expenditures for nuclear year in 1980.

And it is not only the quantity of the weapons which is terrifying. The U.S. and U.S.S.R. nuclear powers....then nuclear war are now improving the will be certain. technological capabilities of their

'It's now a qualitative arms race to find better, more sophisticated ways of killing people," he said.

The U.S. has a technological advantage over the U.S.S.R. with greater sophistication in electronics, computerization, guidance systems, delivery vehicles, and terrain scanning devices. The Soviets are technologically behind by about five years and slowly catching up, he said.

Epstein said the Multiple Independently Targeted Re-entry Vehicles (MIRVs) exemplify the insanity of the arms race. One MIRV missile can strike a different target for each nuclear warhead it carries.

"Even Kissinger, with whom "Strangeloveism gone mad." I don't always agree, said that That's how William Epstein maybe we should have thought described the proliferation of through more efficiently the nuclear arms. implications of MIRV, "he said.

"I suppose it's correct to say that this mutual balance of terror has prevented a nuclear war since World War II, but this doesn't tein, the former Director of the mean it will work forever...mutual Disarmament Division of the deterrence didn't work long in the U.N. Secretariat to an audience of area of conventional weapons," he

Epstein said that even if the a faster pace than ever before in mutual assured destruction theory (both U.S. and U.S.S.R. have The Americans possess the enough weapons to destroy the capability to destroy about 200 other nation after a first strike) major Soviet cities 50 times over continues to prevent nuclear war and the Soviets can destroy about by design there is still the danger 200 major American cities at least of war through "accident or mis-

arms have risen from \$100 billion the near future when even more The gravest danger will be in a year in 1960 to \$600 billion a nations have nuclear arms, according to Epstein.

"Within a decade or twelve

strike capacity....the pressures to use them will become intolerable. "If Iran or Iraq had nuclear

weapons they would be used," he

Epstein said the proposal for disarmament is Trudeau's "Strategy of Suffocation" presented to the UN in

The proposal has four points: a ban on testing nuclear warheads, a ban on testing flight vehicles, a ban on producing high enriched plutonium for weapons, and a reduction of military expen-

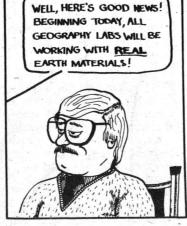
governments won't initiate disarbecomes actively involved.

"Unless they can be persuaded, they won't do it....lots of things can be done, but you've got to have the political will to raise some hell," he said.

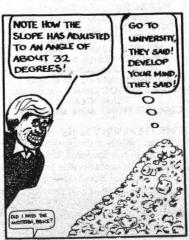
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