eating, from page 6

nonitoring academic activity of the

It is argued, from the perspective of academic staff, that exams are a able tool in the learning process for give the pupil a clear indication of of weakness. From the student's pective, however, exams serve only dicate in what ares he/she did not n enough.

Cramming, or learning by rote, is ficial learning. Understanding, as sed to mere memorization, is a juct of analysis, guidance and time. not something that can be bought, or bargained for.

The use of grades as a mechanism assessing progress has affected the of the term paper in the educational em. Where once the professor not graded the final work but provided iding force throught the writing of paper, today he or she offer s, at , only a brief comment accoming the mark on the last page.

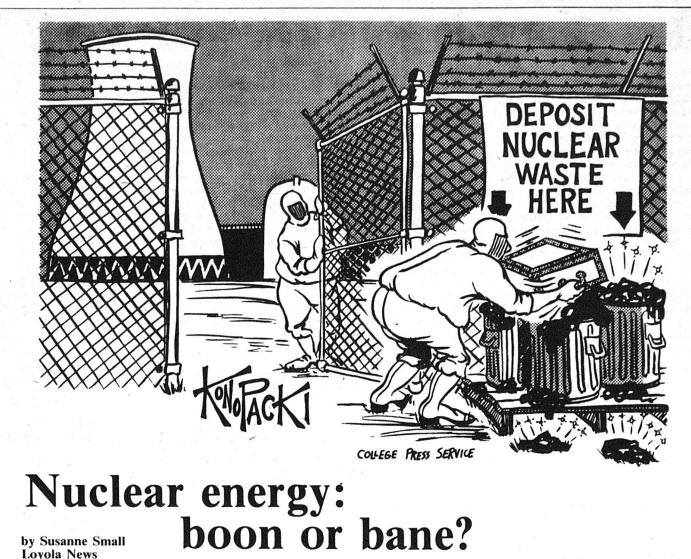
The result of the change in students' udes and university grading hods has been the growth of arism. Buying, selling or trading papers is much more acceptable widespread an activity that it has been.

There are basically two ways in ch students acquire term papers. The is the institutional method": soed "term paper mills".

Today's research companies", as prefer to be known, can be found in major North American city. The prity of their work is undergraduate ecially 1st and 2nd year, says a onto-based firm) term papers. They vide either custom-written or alogued work, and guarantee at least assing grade.

Custom-written work costs twice as ch as catalogued papers. A Los eles firm offers custom-written ers for \$6.75 a page with seven page imum and catalogued work for only 0 a page. In contrast, a Toronto mpany offered a custom-written, een page paper for \$10. The reporter assured, however, that this was a ecial deal" and that normal rates e double the price quoted. Both apanies assure the purchaser that tom-written work will not be resold. The cheaper, catalogued work is a re attractive alternative to un-graduates. The *Daily* wrote to a Los eles company asking for their alogue and within a week a copy wed. The catalogue lists "10,000 Subjects range from existenism to exchange theory, and rything in between. The Toronto , and one that operated in Montreal year have equally comprehensive logues. Many of the catalogues or their topics to the local univercourses.

The term paper mills have managed protect themselves from legal secution by calling themselves search companies". They require all ir clients to sign a form stating that terial purchased will be used only for earch and reference purposes. Some panies further protect their interests using paper with a visible water itk, forcing the purchaser to retype work. There are also more informal ways students to acquire term papers: ing, borrowing, or stealing them. According to virtually everyone has studied plagiarism, most arism occurs this way. The majorif students have had some contact h this dimension, either in the form using one's older sibling's paper or ing a submitted work stolen from a way where an unthinking professor left it for distribution. Such an incident occurred recently McGill. A professor left graded pers outside his office and within nutes they were stolen.



Loyola News

Rasmussen report on reactor safety by the U.S. Nuclear Regulatory Commission, a report it had accepted for five years, Canadians must examine the implications of the reversal for Canada. Lacking a report on disaster probablity of our own, our nuclear industry has relied heavily on the now-disowned study to quiet the debate.

Just where does that leave us not? Nuclear energy is Canada's sacred cow. As its one true example of high

technology, Canada has allotted multibillion dollar investments for the development and production of CAN-DU reactors.

Nuclear power has been pursued because it promised to be a cheap and reliable source of energy, and foreign sales of CANDUs were expected to yield a profit.

Now, after 30 years, the industry has failed miserably in meeting the expectations and the most alarming predictions of nuclear risks have been proven all too true.

'The Canadian government emphasizes the initial cost, not the lifecycle cost, of nuclear power plants," said Dr. Fred Knelman, Concordia University professor and author of Nuclear Energy: The Unforgiving Technology.

This pricing system led easily to the conclusion that nuclear power was a cheap energy source, he said, since the initial cost did not reflect the cost of repairing damage to the plant occurring from radioactive aging.

"All the pressure tubing at the ering plant will have to be replaced by 1980. This will cost \$500 million, not including the cost of the shutdown. This is almost as much as the initial cost of the complex."

In light of the recent rejection of the that hundreds, perhaps thousands, of people died because they lived in the region over which the winds blew the radioactive cloud. The earth lay barren for years, and for as long as 10 years after, it was thought necessary to advise pregnant women in the area to abort because of the lingering effects of radiation.

> Billions of dollars have been granted to the Canadian nuclear industry for the permanent, safe disposal of wastes. "However, numerous scholarly studies have shown there is no technically and economically feasible means of disposing of nuclear wastes,' Knelman says.

> "Canada is plugging for burying the wastes in stable geologic area with no seismic activity. But the experts say this is not certain at all. Many factors could cause the material to corrode and the wastes could find their way into the environment."

> Germany, Sweden and the state of California have responded prudently to the problem of waste disposal by barring the construction of plants until there is a safe means of disposal.

> In 1976, the nuclear, power plant in Ovster Creek, New Jersey ended its life cycle. After 30 years in operation, the entire plant structure had become dangerously radioactive.

A \$100,00 fund was raised so that the plant could be entombed in a mass of concrete so thick that the amount of radioactivity which leaked out would be considered relatively safe. The cost of the burial coupled with the cost of maintaing the concrete intact is not noted in the original price comparison.

Nuclear Association, the CANDU is a vital national asset because the technology, the fuel and all the equipment is, or can be, produced in Canada.

However, since only eight per cent of Canada's energy needs rely on an electrical source, nuclear power plants would only be necessary to supply for these needs.

Knelman says these needs are more than efficiently provided for, in terms of cost and safety, by hydro-electricity.

Underscoring the evidence that nuclear energy costs and dangers are not warranted, the federal government continues to subsidize the industry at an incalculable risk to present and future Canadians.

Threat to health

Risks to uranium miners are among the drawbacks to nuclear power. The miners inhale radioactive dust and become highly susceptible to lung cancer.

"Recent scientific evidence from a broad variety of sources have concluded that the estimates of risks to miners should be increased tenfold," Knelman said.

Among nuclear power plant workers, the health threat is also unacceptably high. The one thorough study involved thousands of nuclear plant workers in Handoford, Washington, and showed an un-questionable excess of four different types of cancer.

The population-at-large is threatened by excessive radioactive particles leaking into the environment.

It is a pervasive problem and dents and professors are often illing to recognize that they have victims of plagiarism. "People want to confront the issue," says Gill Professor G. Piggott. Nobody is to determine how large the problem he says, so plagiarism is just not ussed.

The cost of what was promised to be a cheap energy source has become so prohibitive that the Financial Post estimated last year that Canada could not afford more than one new reactor per year.

The existing price comparison between nuclear and other energy sources also ignores the cost of disposing of nuclear wastes and of the plants themselves once their 30-year life cycle ends.

More than a matter of cost

The nuclear debate now becomes more than a matter of cost analysis. Nuclear wastes from the plants have a potential for destruction which defies any measure.

In Dec., 1957, in central Russia, the nuclear waste depot of a commercial plant exploded. Although much of the accident remains a mystery, it is known

Profits not apparent

Profits the federal government hoped to make on sales of CANDU's have not yet materialized.

In his article "Canadian Nuclear Policies and Politics," Knelman writes: The Canadian taxpayer stands to lose \$130 million on the Argentina sale because of loopholes and errors in the contracts.'

The sale to South Korea also incurred inflated agents' fees and fared little better.

The construction costs of nuclear power plants, having risen twice as fast as for conventional power plants, and the increased price of uranium to fuel the plants from \$7 to \$44 per pound, has dampened the foreign market. The predicted profits may never materialize.

Our domestic demand is also nonexistent today. Even apart from the monetary and safety costs and the problems of waste disposal, nuclear energy in Canada is difficult to justify. According to the Canadian

Tailings, residue from uranium mills which form water-soluable compounds and enter the eco-system, present a longterm hazard of four to five hundred thousand years and are just part of the threat.

"For a 100 Megawatt plant over 30 years, just counting the tailings of uranium mined for that plant, the associated hazard will, in the long future, kill 12,000 people," Knelman said. "But that's a conservative estimate."

These threats and the potential for sabotage and blackmail if uranium or platonium fall into the "wrong hands" pose critical questions.

Thirty years after the birth of the industry in Canada, nuclear energy is not cheap or safe. It involves large, uncertain risks, and, if pursued, it discounts the rights of future generations to an inhabitable environment.

"In the final analysis the risk far outweighs the benefits," Knelman said. "We have far better, safer choices we must pursue."