

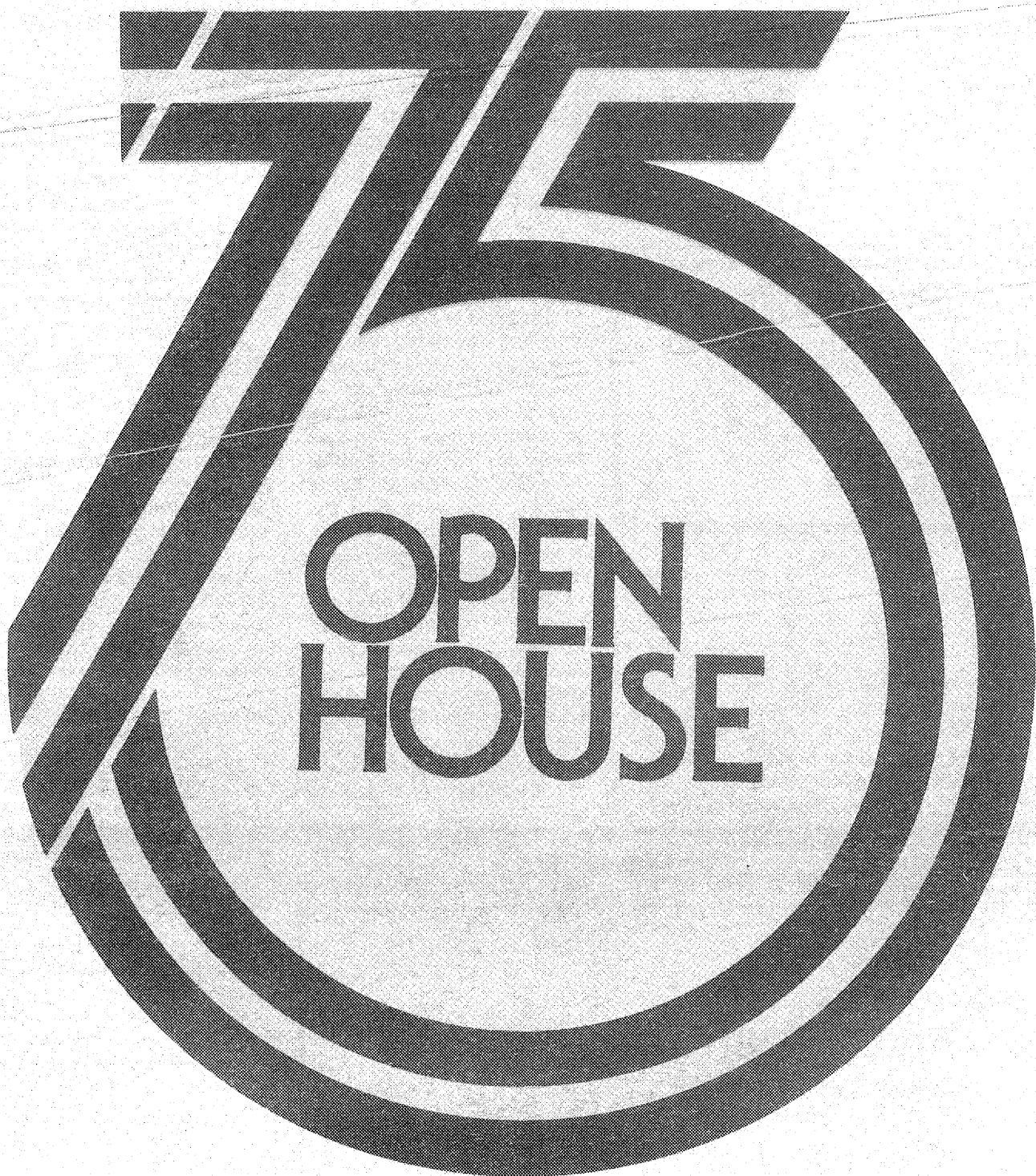
# Nait Nugget

VOLUME X

Friday, March 14, 1975

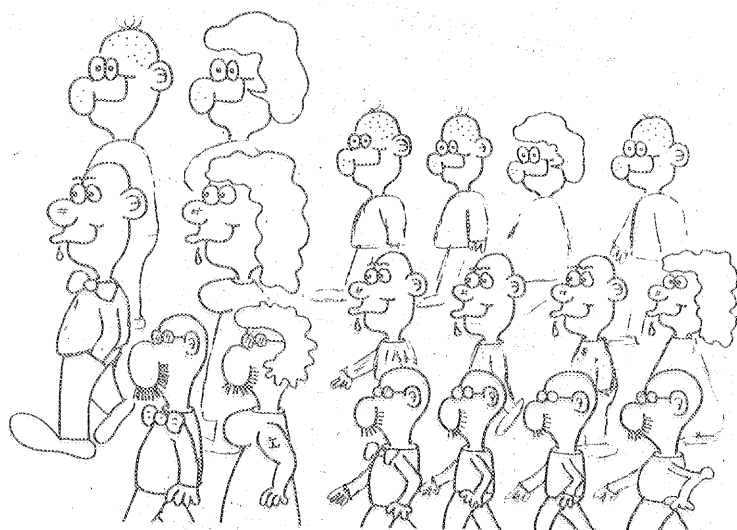
Edmonton, Alberta

ISSUE 26



March 14-15-1975  
Friday 9am-10pm.  
Saturday 9am-6pm.  
Northern Alberta Institute of Technology  
11762-106th Street  
EDMONTON

Think  
careers  
think **Nait**

BRING THE WHOLE FAMILY  
NAIT OPEN HOUSE TOnait  
OPEN HOUSELETTERS TO THE  
EDITOR

## Lost telegram

Dear Editor:

Last Friday, the Dental Assistants class held their capping ceremony, and the fragments of a congratulatory telegram that failed to reach them lay on a NAIT office floor.

This story began on the 29th of November, when Ms. Chase left NAIT, under odd circum-

stances and amidst contradictory statements from several NAIT officials and supervisors. A petition signed by most of the Dental Assistants disappeared into limbo. The Civil Service Association exploded like a rocket, then fizzled like a damp squid. The affairs remain unsettled.

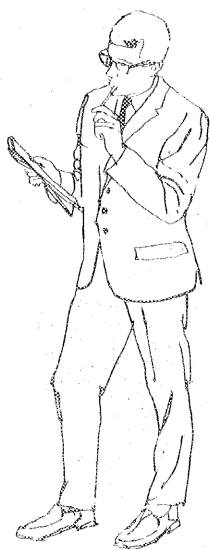
The congratulatory telegram, sent to the class in care of the class president, was destroyed in the sort of stupid

pettiness that has characterised the whole affair.

The story is not ended. The wheels of law grind slowly. Ms. Chase has employed the same lawyer who recently won an Alberta Supreme Court decision in favor of a man who claimed that he was improperly expelled from the Edmonton Real Estate Board - nine years ago. The man is now claiming \$70,000 in damages. Damages mount up as time rolls on.

This story should reach the open air. Injustice feeds on darkness, and someone is being done an injustice. Either Ms. Chase is right, or NAIT is right; surely it is time to see which. The situation as it stands is a mess, and both NAIT officials and Ms. Chase are being hurt by it.

Yours truly,  
ONE WORRIED INSTRUCTOR

WHICH POSITION  
CAN YOU SEE  
YOURSELF IN?

Are you management material?  
Is management the world for you?  
Are you an effective executive?  
Should you be in management?

IF THESE ARE SOME OF THE  
QUESTIONS YOU'VE BEEN ASKING, COME  
TO ROOM T407 IN THE TOWER BUILDING.

Administrative Management  
a world for the ambitious  
men and women of today

## Nait Nugget

The Nugget is published weekly by concerned members of the NAIT Students' Association. Opinions expressed in the paper are not necessarily those of the Administration or the Students' Association. Staff always comes and goes, so new workers are always welcome.

Our offices are located in E 128, and the doors are open more often than not, so please feel free to drop in and find out all about the Nugget. We'll gladly show you around. If you're shy then phone us at 477-4329, or 423 on the Grey phone. If you're afraid we'll recognize your voice, then write us a letter. Address it to:

NAIT NUGGET  
Northern Alberta Institute of Technology  
11762-106 Street,  
EDMONTON,

Advertising deadline is every Friday at 4:00 pm, and copy deadline is Monday at 4:00 pm. Circulation is 4,000 copies. Advertising rates are available on request.

EDITOR - Brent Stumph

## Editor gets it

Dear Editor:

This is to comment on your Dr. Jekyll/Mr. Hyde personality. Normally you are kind, courteous and well thought of by all (would you believe most) who know you. But when it comes to running the Nugget - KAPOW - compared to your "Editorial" personality Genghis Khan reminds us of little Orphan Annie.

Sincerely,  
Love and Kisses  
"THE STAFF"

## G.D. smokers

Dear Sir:  
Open Letter to Smokers

You are entitled to smoke, but are we not entitled to clean air.

Two things bring this to mind. Smoking in the elevators and

smoking in the cafeteria. There is supposed to be NO smoking in the elevators yet some inconsiderate boors - insist on polluting my share of the air by bringing their cigarettes into these little boxes. As a concerned individual who does care about others I worry that you might suffer withdrawal symptoms by not smoking during trips up and down in the elevator. Admittedly the elevators are slow, and the time is long, but a brief period of abstinence will not do you any severe damage - except perhaps to your psyche.

My second point relates to smoking in the cafeteria. At present, "No Smoking" is requested in the small cafeteria. Why isn't the large cafeteria set aside for non-smokers or at least for non-smoking? As you know on occasion the cafeteria food is able to make you nauseous, all by itself. I, for one, do not need cigarette smoke to further destroy my meal?!

LARRY McLEOD

We couldn't have got this giant rag together without the help of a lot of groovy people. Layout specialists include Sue "Maggot" Collins, Tilly "Hots" Heykants, Roberta "Jake" Johnson, Larry "Mister Perfection" McLeod, Ken "Spell-it-Wrong" Griggs, David "Dat's All" Fleming, and Brent "Horney" Stumph. Thanks also to those who made this issue what it should have been. Special thanks to Russell "The Ruler" McLeod and William "Wunnerful" Nowrie for allowing us to publish their paper.

## unclassifieds

## NON-SMOKERS UNITE

The small cafeteria has been designated a no smoking area. Get militant, its your air too!

## FOR SALE

Must sell 1967 Ford LTD XL Convertible. 390, stick shift, radio, p.s. & p.b. Call anytime 478-1890 or at #215, 140-88A St.

## WANTED

Ride wanted to southern Ontario April 1 - 10. Will share gas and driving. Phone Bill at 422-0176.

Unclassified advertising is free to all staff and students. Simply fill in the information in the form provided, and bring to the Nugget offices, E128.

## WATCH REPAIRS

Most makes and models. Including clocks. Phone Phil at 455-7669.

## FOR SALE

16 Foot Fiberglass Canoe - never been used. \$165.00 Ph. grey 6197 or 467-2459.

## FOR SALE

Good variety of large tropical fish for sale. Phone 477-1739.

## FOR SALE

Traynor YVM-1 4 channel P.A. Amp. Tube T; pe, mint condition. Call Bob at 489-5615 after 6 p.m.

Will do any typing. 75¢ a page. 5 years experience. Phone 479-1213 anytime. Ask for Margaret.

## WANTED

Small two wheel bike complete with training wheels. Phone plate with training wheels. Phone Bernie at 245 (Grey).

## FOR SALE

B&W TV for sale. Phone Albert at 424-1479.



# NAIT Nugget

VOLUME X

Friday, March 14, 1975

Edmonton, Alberta

ISSUE 26



## Well, it's almost summer

By BRENT STUMPH

A beautiful winter's day. The sun is shining, the snow is glistening, the birds are singing. A perfect day for ice-fishing.

Ah yes, ice fishing. A sport that gets you away from it all, a sport that puts man against fish, skin against scales, warm blood against cold blood.

And who usually wins this battle of wits and skill? Why, man of course. He is the superior living thing, the smarter of the two. He catches every fish that nibbles his hook, because none EVER get away!

It doesn't cost much to ice-fish. All you need is an ice auger, a little bit of line, plus a hook. Then start fishing. And that's easy. Oh, most fishermen will tell you there's a certain amount of skill involved in catching fish, but when you're out on the ice simply to relax and enjoy the great outdoors, fish sense is not too terribly important (just as long as you know more than the fish).

Ice fishermen are usually hard-core fishermen, who enjoy the summer sport as well. But

what happens when two of those dedicated summer - anglers tries ice-fishing for the first-time?

He's used to getting out in the boat, dropping anchor and settling down to some serious fishing. But can you do that on the ice? Wouldn't it be rather difficult to motor out to the office and some lake when there's still ice on it.

A dedicated fisherman could do it. Not rain, nor hail nor sleet nor snow nor ice can keep the fisherman away from the pastime he loves. About the only thing he doesn't like is sunshine. Fishing is bad when the sun shines.

But, lets get back to that fanatic of the hook and line, trying to manouvere his boat through the ice. He wouldn't have to worry about springing a leak . . . and sinking.

In fact, he's probably a lot smarter than what you might think. Come spring thaw he'll still be out there, but at least he'll be the first one out there on the water, beginning another "summer" season of fishing.

## NAIT Wrestler wins his class in provincials

Len Harasimiuk won his weight class in the provincial championships at the U of A last weekend. Len will represent Alberta in the 178 pound weight class in Vancouver this weekend March 14, 15 & 16th in the National finals. Len is taking Electrical Engineering Technology at NAIT and hails from Bonnyville, Alberta where he learned some of his early wrestling.

Wrestlers from NAIT were unsuccessful in the 6th attempt to win ACAC championships. After bringing home the team trophy for the past five years this years' team lost to the newcomers in the league, the Vermillion team. NAIT, SAIT and Camrose were very close in 4th, 3rd and 2nd positions.

The team lacked a couple of wrestlers at the right weight classes or we could have very easily won it. Our only weight division winner was Dennis Meisinger from Electronics, wrestling at heavy weight. Dennis pinned all three of his opponents quite easily and was one of the outstanding wrestlers at the competition. Other team members were Rod Chmilar (Computers), Jim Taylor (Computer Systems), Kim Isreal (Marketing), Ramon Zwarych (Electrical Engineering), Ernie LaForge (Apprentice), Brian Harris (Dental Lab), Dennis Stadnick (BTC) and Len Harasimiuk (Electrical Engineer). Peter Zimmerman (Bio



Len Harasimiuk with coach Larry Speers

Science) was unable to wrestle in the finals because of a broken ear drum suffered in a previous meet. The coach and the rest of the NAIT Athletic Department are very proud of the men on the wrestling team and would like to thank them for their efforts during the past season.

## Ham Radio

The ham radio club will be putting on a display covering many of the aspects of ham radio modes and operation. We will pass messages anywhere in Canada for the public. Don't miss this display.

## Badminton pair take 4-West

Ken Kosak and Byron Gray returned victorious in the mens doubles event in the 4-West Badminton Tournament held in Saskatoon, Saskatchewan this past weekend.

The 4-West is the culminating tournament of the badminton season where the top teams of each of Manitoba, Saskatchewan, Alberta and B.C. in each of the singles and doubles events send their players to determine the best of the four provinces.

In other words, Ken from Marketing and Byron from Earth Resources are the best men's doubles team of all the colleges in Western Canada. This is a

repeat performance of last year as they won it, and were the only players to win for two consecutive years.

In the quadruple round robin, the combination of Byron's smooth net play and Ken's powerful smash led them to easy victories over the Saskatchewan and Manitoba teams. Their stiffest opposition was against the B.C. team from Vancouver Community College who took the boys to three games before NAIT won. V.C.C. took the first two matches but the NAIT team polished them off in two straight games in the last two.

The men's singles event was

won by SAIT, the ladies singles by Saskatchewan, the mixed doubles by B.C. and the ladies doubles by Lethbridge College.

Not only did Alberta win three of the five events but walked away with the Provincial Team Trophy with 21 points, Saskatchewan and B.C. tied with 13 and Manitoba trailed by 7.

Congratulations to Ken Kosak and Byron Gray - the only 4-West winners from NAIT.

## McNally holds 10th Anniversary

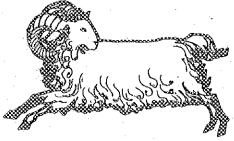
All McNally Alumni are cordially invited to the annual McNally Alumni Basketball game. This year's game holds special significance as it is the 10th anniversary of McNally Composite High School.

Come and see all your old friends and teachers.

The Alumni evening will take place at McNally (8440 - 105 Ave.) on March 19 at 7:30 pm. The tea will commence immediately following the game, in the north gymnasium. The price of admission is \$1.00, payable at the door. The present athletic board and grad council hope as many alumni teachers and students as possible can attend.







ARIES

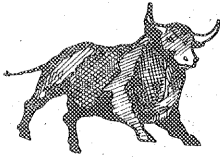
Don't force issues. Clear up odds and ends. No problem will stop you for long if you take your time and work alternatives through.



GEMINI

Events should not be speeded up. Progress can be made using your own resources. Emotions tend to get out of control. Judge carefully.

Break away from routine. Fresh outlook helps to overcome boredom. Experiment with new ideas and procedures, take on new projects.



TAURUS

There is an urge toward greater independence, to be master of your own destiny. You can develop creativity but should curb impulsive actions.

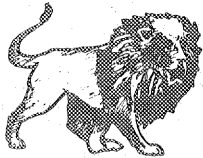


CANCER



LIBRA

Tendency to be more aggressive perhaps to the point of taking a crack at bothersome people. Energy can be used profitably.



LEO

Your enthusiasm helps please and impress those in authority. Job potentials increase. There is a temptation to get mixed up in risky ventures.

There may be emotional enchantment. There is easy companionship with others. A balance should be created between activity and relaxation.

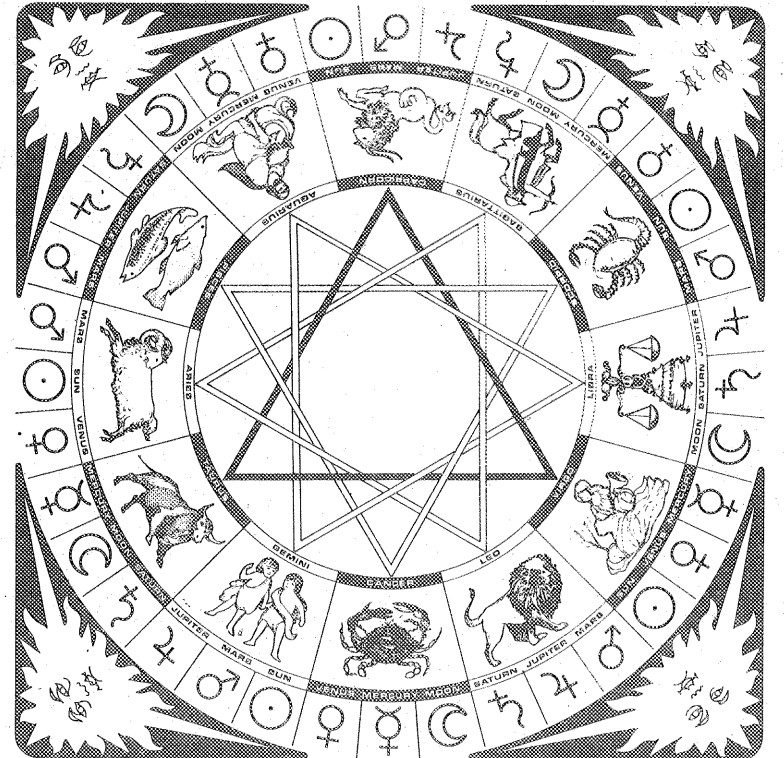


VIRGO

Dealings tend to be chiefly with the opposite sex making it a difficult time for shy people. Its a growing and learning time.



SCORPIO



SAGITTARIUS

A time of stability. Associates tend to be either older or wiser than yourself. If you listen you can learn a great deal.

You accomplish best by collaborating with another. Opportunity to turn dream or plan into a reality. You can clean the clutter out of your life.



CAPRICORN



AQUARIUS

May have to assume more responsibility both in public and private affairs. Possibility of a dispute regarding money.

A good time to make decisive changes in your life style. You should know what you want now and both transitions and adjustments can be handled easily.



PISCES



### Something to "cheer" about:

Now the glorious beer of Copenhagen is brewed right here in Canada. It comes to you fresh from the brewery. So it tastes even better than ever.

CARLING O'KEEFE BREWERIES

News from the "park it here" dept  
... if your vehicle DOES NOT  
HAVE A VALID OFFICIAL NAIT  
**PARKADE**  
parking sticker displayed  
in the rear window (see typical  
nait staff/student vehicle below) you  
will receive an official (real)  
**POLICE** parking ticket.

sticker (DECAL) affixed to rear (inside)  
window.

Students  
Stickers:  
FRONT & REAR windows  
clearly visible please.  
"A" ZONE for staff "B" ZONE for students



## The handy man

I picked up a copy of one of those Home Mechanics magazines while I was waiting at the service station the other day, and it opened emotional wounds that I thought had long since healed.

At one time I was a periodic reader of this sort of publication. And there were a lot on the market, all premised on the assumption that you had, it seems, seven thousand dollars in tools, a shop capable of doing as engine job on stretched DC-8, and a post graduate degree in mechanical engineering. But the sneaky part was that they wrote as though you really didn't need all these things. That's something you figure out for yourself later on.

They would explain how any dolt could tune-up his Ferrari himself and double the mileage he was getting from a tank of gas. And the preface would imply that, yes, you could do this, even if you had never gapped a spark plug or set a distributor point. Good heavens, I was just barely going out with girls, at this point, and here they were talking about all these other mysteries.

With my trusty jack knife, I had finally mastered a fundamental principle, always whittle away from yourself. It took seven thousand bandaids and help from the Red Cross before I finally remembered, but in some areas, I admit to being an under-

achiever. And then they would come along with a picture story to a fellow who had carved the last supper, the roof of the Sistine chapel and the battle of the little big horn out of the butt of an old telephone pole, working evenings during the winter months. And all I'd accomplished with my jack knife was to sharpen Ticonderoga HB pencils, for pete's sake.

There were do-it-yourself projects that staggered the mind. You too, with an old washing machine motor, two rolls of friction tape and average skill with a soldering iron, can recreate the scaled down version of the 1924 Whippet in the above illustration.

Be the first in your neighborhood to fly a sopwith camel made from the odds and ends found in any work shop, and powered with seventy-six inner tubes from model A fords.

I always enjoyed a column called "The Handy-Man's Corner". They showed illustrations of sign posts made of an old logging chain, with each link welded together so that it stood up in the air. I pictured a grease stained swami, blowing shrill tunes on an acetylene torch with holes drilled in the stem, charming twelve feet of chain into weaving up into the air and freezing there. You could follow



## Diesel Mechanics take Bloody Mary

The recent Red Cross Blood Donor Clinic received over 90% cooperation from the above group.

This kind of cooperation must be indeed gratifying to

the instructions and fashion a floor stand canary cage holder from a used brake drum from a '25 essex and eight feet of reinforcing rod - just the thing to grace the living room - and on it went.

the Red Cross, especially since blood bank reserves are particularly low at this time.

We hope that the 90% turnout will be an incentive for all Technologies to attempt to

I'll say one thing for them though. Those magazines were exactly the right size so that when rolled tightly and swung backhand, became the greatest thing for swatting flies ever created by the mind of man.

equal in future blood donation drives.

\*\*\*\*\*

**Dr. Joyce  
Lampard**

OPTOMETRIST  
PARK PLAZA MALL  
#11-11840-103 STREET  
EDMONTON, ALBERTA, T5G 2J2

PHONE 474-6237

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# ROOTS



## A father and four sons keep craftsmanship alive with a beautiful Canadian-made shoe.

Roots, all 10 styles of them, look like a new idea in shoes. The heel is gently recessed so you walk a little more naturally. This gradually helps strengthen the muscles in your lower legs. Your posture improves. Roots comfortable built-in arch support and rocker sole help shift your body weight with every footstep, so walking becomes less work.

Yet Roots may still remind you of shoes from a bygone age when craftsmanship was king. John Kowalewski and his sons see to that. The Kowalewskis are the core of Roots production. Their eyes help select our leathers. Their hands help shape them into Roots.

Personal involvement reaches into Roots shops, too - the only places our shoes are sold. Here you'll be fitted by people who know Roots inside and out. At Roots, you see, we do more than stand behind our shoes. We stand inside them, too.



Sold only at Roots Shops.  
Gift certificates available.

10219 Jasper Ave.  
429-2044

Hours: Mon. to Wed. 10 to 6; Thurs. and Fri. 10 to 9; Sat. 10 to 5:30

City feet  
need Roots.



# WILL YOU BE WEARING THIS BUTTON WHEN YOU GRADUATE THIS SPRING?

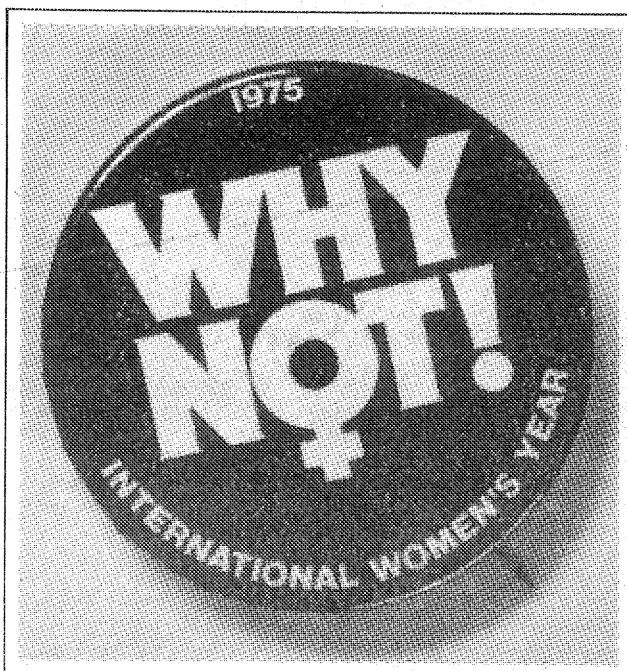
Canada has one of the finest educational systems in the world. But many Canadian employers unjustifiably underpay some very well-educated graduates of that system. Women.

A 24-year-old male, leaving university with a degree, earns on the average 19 per cent more in his first job than a woman of the same age with the same degree. A male high-school graduate can expect an average 34.2 per cent more than the equivalent female graduate. It just isn't right.

It just isn't right, either, that long before graduation, some schools still insist on channelling girls into home economics classes and boys into industrial arts.

Some girls make excellent mechanics and engineers. Some boys make excellent designers and chefs. Why curb their natural talents?

There is no logical reason why we should. Equal educational opportunities are guaranteed us under law, but there are prejudices and precedents. Society expects women to cook and sew because it expects them to get married one day. Don't men



get married too? Maybe they should learn household skills as well.

When it comes to employment, the same kind of archaic thinking brings us less pay and recognition. Certainly women get married, but many keep on working. Of some three million women working in Canada today, more than 50 per cent are married. Why are they being paid less than their husbands? Because they are married? How about a single working woman? It costs her as much to live as a single working man. So why is she also being forced to live on less? Particularly when 50.0 per cent of all Canadian women in the labour force, having completed their high-school education, have gone on to take

post-secondary training, compared to 39.3 per cent of the men. So no one can use the excuse that working women are less qualified.

The entire situation must change. But if it is to change, we have to start thinking of ourselves as equals. And demanding that others do, too. We have to teach our children to think differently. Because they are the next generation of educators and homemakers, employers and employees. We must break down the barriers of prejudice for ourselves and remove them entirely for our children.

If you would like more information on International Women's Year and the status of women in Canada, all you have to do is write us at: "WHY NOT!", OTTAWA, ONT., K1A 0A3.

We're here to help.

**AVAILABLE IN THE  
NUGGET OFFICES  
E128**

# WHY NOT!



Minister  
Responsible for the Status of Women

International Women's Year



# THE REAL OOKPIK STORY

By BRENT STUMPH

Everyone at NAIT knows the Ookpik is the official athletic symbol for the Institute, but how many know about the original Ookpik?

Each of NAIT's interscholastic teams are called the Ookpiks, or Ooks for short, and the history of the name goes back to the early days of the Northern Alberta Institute of Technology. Nait was opened in the 1963-64 school year to a handful of students. Gary Meadus, who was and still is, Director of Student Services, busied himself with things like forming a student government, choosing school colors and starting athletic teams, the least of his worries being to pick a name or mascot.

The Department of Indian Affairs and Northern Development was aware of all Gary's problems and decided to help him out in the mascot department. NAIT had welcomed many northern Canadians as students, and the Indian Affairs Department thought that a mascot would be a small way to say thanks. Because NAIT was the most northern Institute of its kind at that time, they thought a northern animal would be appropriate. What better choice than an Ookpik?

And that's how we got our rather unique name and mascot. But is there really such an animal? Do Ookpiks really exist?

Of course! The Ookpik is Eskimo for Arctic Owl and the name is given to a sealskin - handcrafted model of the Arctic Owl originated by the Eskimos. Its used often as a symbol of Canada at International Trade Fairs.

But now did the Arctic Owl get the name Ookpik?

The story is very old. Many, many years ago in a small Eskimo village way up north, there lived a young boy called Inuk. Inuk was out playing in the snow one summer day when he saw something in the snow.

"Mother, Mother, look at this!" Inuk was running. He called out to his Eskimo mother and asked her to look at what he had. His mother waited at the door of the tent. She smiled to herself. What was it that so excited her son?

Soon he was at her side, all warm and out of breath. In his hands he carried a large nest. It was strongly and most cunningly put together with twigs and clay.

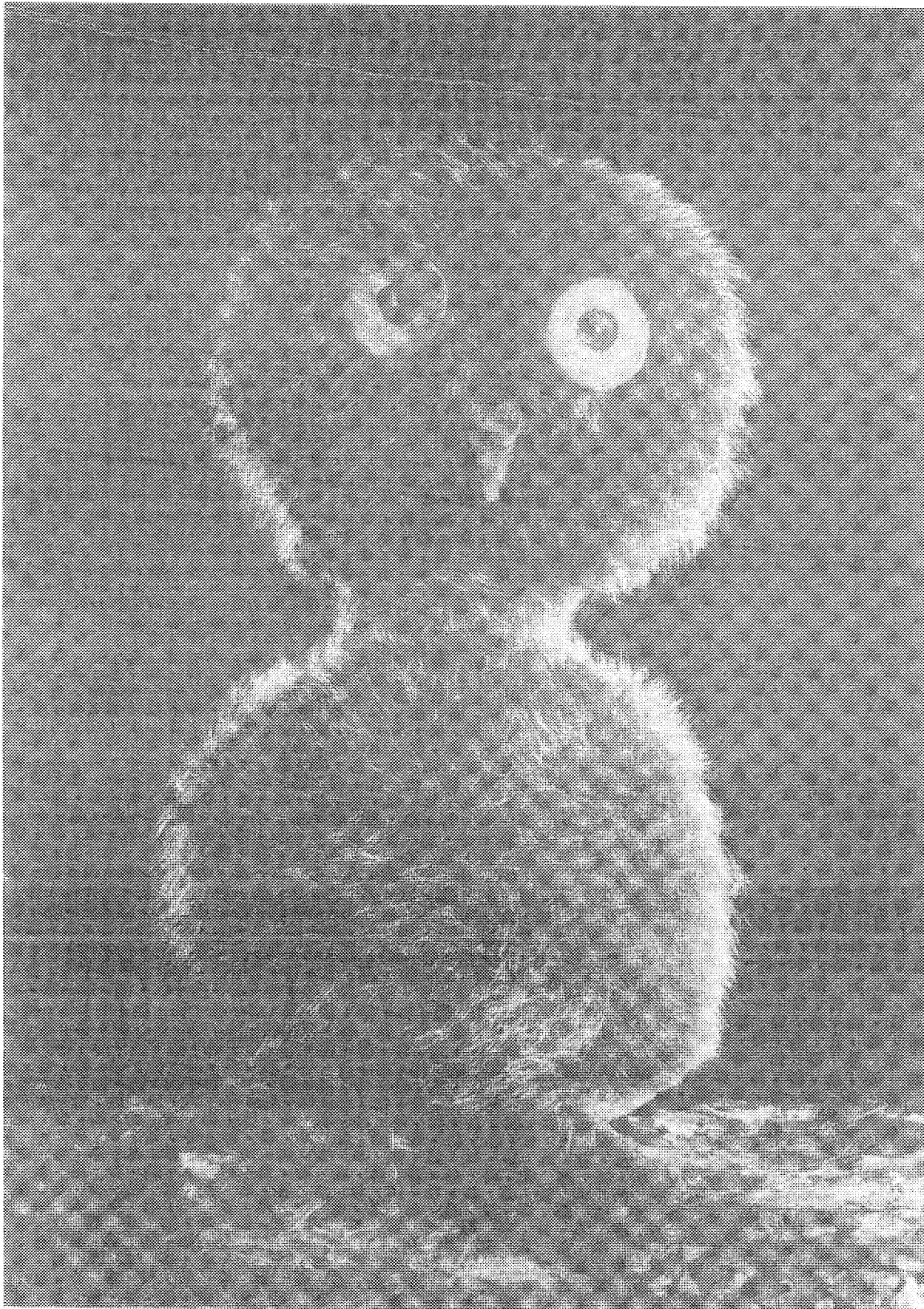
Inside the nest, resting on a layer of soft white down, was an odd looking egg. It did not look like any egg that Inuk's mother had ever seen.

"Where did you find this strange egg, my son?" she asked him.

"I found it on the cliff in the valley, Mother. It was firmly fixed on a spur of rock. I had to climb part way up the cliff to get it."

"Why did you take it, Inuk. Why did you not leave it there so that the mother bird could hatch the egg?"

"Because of Kigoviak the hawk," Inuk answered. "He was there by the nest. I got there just in time before he did to this egg what he had done to the three others. I know that the



NAIT'S OFFICIAL OOKPIK

mother will not return to the nest. She will be afraid to do so after what the hawk has done."

"But, my son, even if the egg does hatch, how will you take care of such a young one? But I see that there is a crack. This means that the young one will soon leave the egg. See, it moves!"

"I will take care of it, Mother. It will be the young one of a hunting bird. I know that it will. They always build their nests high up on a cliff. We will get along well together. I am a hunter, and the son of a hunter. It will eat meat, just like us. I will manage to provide meat for it."

Inuk gently put the nest down on the sleeping bench that filled the back half of his parent's tent. The tent was their summer home. He lay down on his stomach beside the nest. His head was cupped in his hands.

This is a strange looking egg, he thought. One might call it a round egg. But it was not quite round. In one direction it seemed to be a little longer.

The egg really looked as if it were made from something soft. It might have been squashed a bit.

"Mother, come quickly," Inuk

called in great excitement. His mother, Nanurak, who had been outside of the tent scrapping a sealskin, came in with the Ooloo knife still in her hand.

She sat down beside her son and watched with him. The egg rocked a little. The thin white skin inside the egg tore and a black line appeared on the shell. Still it held together. Then the woman put out her hands and gently took the egg.

"My son," she said, "it is a hard struggle just to be born. This little one in the shell is trying so hard. Let me help it a little."

Under the slight pressure of her fingers the crack opened wider. Then she left the egg alone. It moved this way and that way. It even rocked a little.

Then, wonder of wonders, something started to come out from the shell! Inuk at first could not tell what it was. The feathers or hairs or whatever they were, were wet and sticky. The little bird was really tired out it seemed.

Then all of a sudden a perfectly round head emerged, with two large, glowing eyes and an owl's beak.

"What big eyes it has, Mother, and what a large beak."

"Yes indeed, my son. But what sort of a bird do you think it is?"

"Why Mother," Inuk said, as he gazed at the round head. "I think it is a baby owl."

"This is a strange egg, Inuk. See how much the shell clings to the bird's body. I wonder what remains in the shell?"

As if in answer to the question, the little bird gave a wiggle and the two halves of the shell fell aside.

"Mother," whispered Inuk, "look at it."

"Yes, my son, I see it. This little one that has come to our tent by your hand is indeed unusual. You speak well to say that it is an owl. It does look like an owl. But first let us place it in a warm place by the lamp."

So the nest was set up close to the Koolik or stone lamp. Nannurak trimmed the moss wick. Soon a lovely warm flame burned all along the whole length of the stone lamp. The little bird snuggled into the warm soft down that lined the nest. It tried hard to stay awake. Inuk watched the eyes close and open once or twice. Then it fell asleep.

Inuk reached out his finger and stroked the bird very gently.

"Mother," he said, "this little one is so soft."

While Inuk sat and watched, his mother hurried to speak to the old woman. She was old and wise, so Inuk's mother asked if she ever heard of a bird like this one.

The old woman came and peered into the nest. In the light of the lamp her wrinkled old face showed astonishment.

"How frightening," she muttered almost to herself, "it is as if one should be afraid of it. But it is so round and so different from the other birds."

"Oh, my grandmother," said Inuk, calling the old woman, "what kind of a bird do you think it is? To me it looks like a baby owl. That is why it looks different. Do owls look alike? Have you seen one like this before? What name would you give it?"

"I don't know," said the grandmother. "This is one for which I cannot readily find a name on my tongue. I, who gave a name to every person in our village am unable to do this for a bird."

"What about the great round head, old one? Why should it have such a large head? Do any of our legends tell of a bird like this one?" asked Inuk's mother.

"The old man is the only one who knows about our legends and he can no longer see. But one day Inuk must take this to him. From what I know, one would expect much wisdom from such a large round head. It resembles an owl, as the boy says, and the silent one who flies and sees well in the dark does possess wisdom. It also seems to be a gentle bird and one that will do much good."

Together the three left the tent after carefully closing the flap. They wanted the little bird to rest well after his ordeal.

In the evening, Inuk's father, returned home. He had been hunting seals all day on the ice. His clothes were still wet from crawling up to the seals. Inuk's father sat on the sleeping bench and began to take off his wet clothes. He extended his arms to warm his fingers at the flame of the lamp. At that moment the little bird awakened and stood up.

"Hey," gasped Inuk's father as he saw it for the first time. "what is it?" Little wonder that he was taken by surprise. He had gone all day and knew nothing about the exciting events that had taken place.

He went closer to examine the bird. In the glow of the lamp, and in the dusk of the tent at this evening hour, the little bird's eyes fairly glowed. Each little hair on the large head was erect. A halo of light surrounded the entire head. It was a most appealing sight.

Just then Inuk burst into the tent, accompanied by his mother and the old woman.

"Father," the boy called to his father, "have you seen the nest that I brought from the cliff, and what has come from the egg which I took before Kigoviak could get it?"

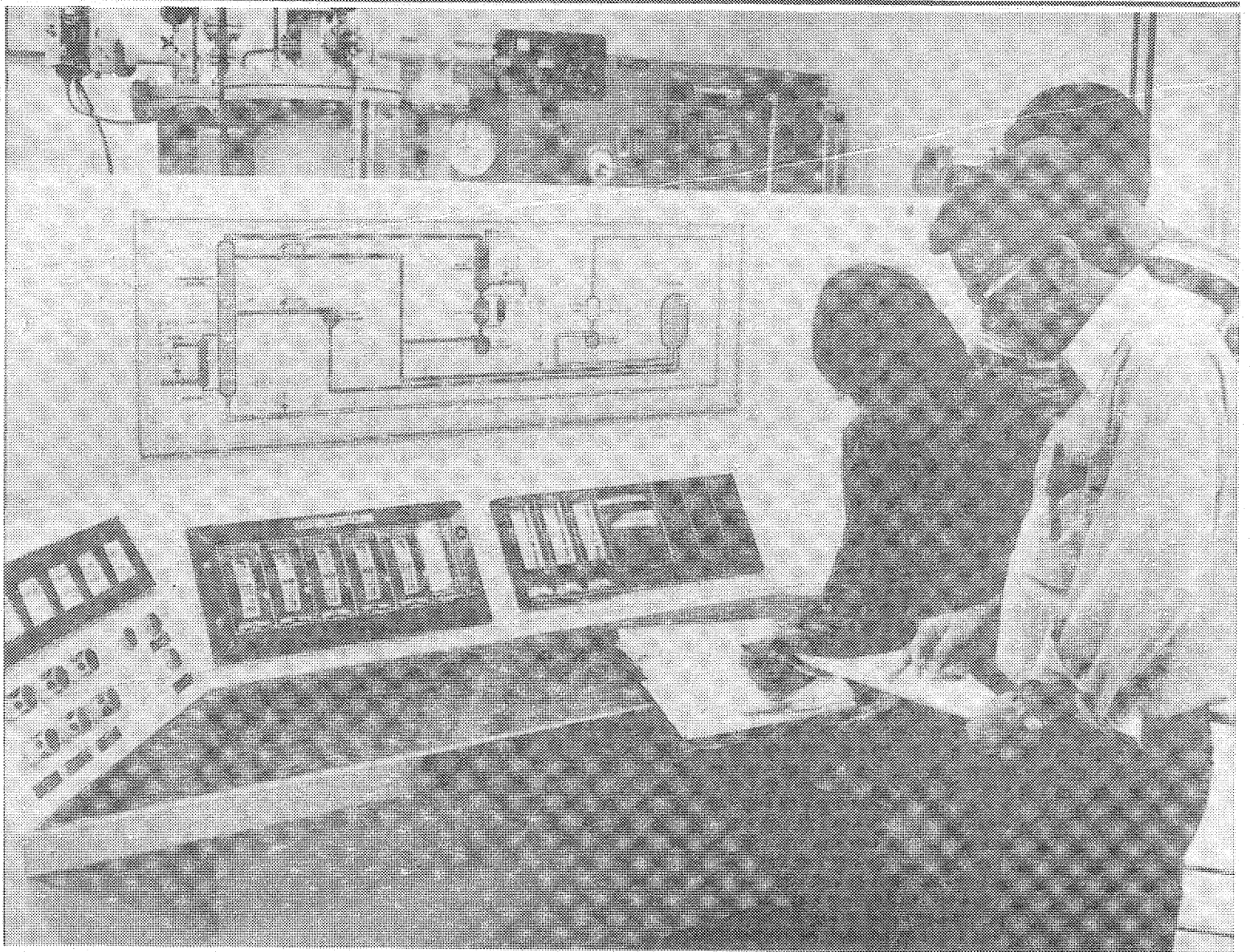
"Yes, indeed Inuk. How sur-



## Instrumentation Technology

The high output of the modern production process has been achieved because of the extensive use of industrial instrumentation. Operating conditions are precisely measured and controlled with a minimum of attention by the operator. This trend to automation through the use of electronic, pneumatic, and hydraulic systems is taking place in almost every one of Alberta's industries, including gas and oil production, petroleum refining, chemical plant operations, pulp and paper, food processing, power generation, and metal production. Every new plant built makes increasing use of control instruments and systems so that they now may comprise as much as 20 per cent of the cost of the facilities.

The objectives of the Instrumentation Technology program are to give the student a sound background in the scientific and engineering principles used in the operation, application, and calibration of industrial process instruments. The program gives a basic technical education covering mathematics, physics, chemistry, drafting, and English. In addition, thorough theoretical and practical training is provided in basic and industrial electronics. The course is completed with a study of industrial measurement, control theory, and control equipment in one of the best equipped instrument-



ation laboratories in North America. This laboratory features functioning process units with pneumatic and electronic controls.

A student entering this technology should be interested in the sciences and mathematics, and should have a practical inclination. Upon graduation he

will find challenging opportunities to use his training and imagination in a rewarding and satisfying career. Instrumentation technologists are required in many areas of the technology, including sales, design, installation, service and maintenance, to mention a few. The instrument manufacturer needs well trained specialists to

understand and explain his products. Consulting and design engineering offices require the services of the instrumentation technologist in taking the industrial process from the initial Operating processes require the skills of the instrumentation technologists in calibration, troubleshooting, operation, supervision and design.

Students enrolled in the Instrumentation program at the Northern Alberta Institute of Technology are eligible for student membership in the Instrument Society of America.

Graduates of this course are eligible for membership in the Alberta Society of Engineering Technologists.

## Electrical Engineering Technology

The tremendously accelerating demand for Electrical energy requires that total generating capacity must be doubled every seven years. In our province alone this means as much electrical generating, transmission, distribution and utilization equipment must be installed by the year 1980, to equal all that has been installed in the entire province from the year 1900 until today.

The objective of a technical institute is to train a first class technologist. It is not a trade school for learning manual skills, but rather, it is a school where you receive a background of theory in electrical technology in addition to considerable laboratory training on practical projects.

During the two-year course at a technical institute, a student will get the basic foundation upon which specialization may be continued after joining the industries or related technical fields. Most technical institutes do not train exclusively in specialty areas, such as supervisory control, logic and switching, telemetry, computers, industrial controls, etc. Instead the broad training at a technical institute will prepare you for a wide range of work in the electrical field to be useful immediately after graduation and for the future as new engineering developments occur.

NAIT's Electrical Engineering Technology programme

offers a comprehensive study in basic electrical and electronic theory, technical mathematics, physics and report writing. An extensive training in electrical machines, controllers, industrial electronics and specialized controls including the use of solid state electronic devices, supervisory controls and telemetry. A large portion of the programme includes drafting, electrical systems layout and design, electrical code, protective relaying and metering.

The graduates are employed in the broad electrical field related to Electrical Engineering. Open to the technologists will be positions in design, metering, industrial electronic control, supervisory control, telemetering and many more.

Employment opportunities are available to graduates from coast to coast in Canada as well as abroad. The demand for trained technologists exceeds the supply, and with Alberta's expanding industrialization the future for the Electrical Technologist appears bright.

Present employers of graduates from NAIT's Electrical Technology include: Canadian General Electrical, Canadian Westinghouse, International Nickel Company of Canada, Calgary Power, B.C. Hydro, the City of Edmonton Electrical Distribution System, Proctor and Gamble, Amoco, and ASEL.

# If you think banking is a dull subject, open a Commerce Savings Account.



## Your interest grows and grows.

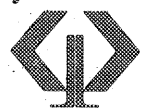
There are a lot of interesting things for you in a Commerce Savings Account. Like a college education. A carefree summer on the road in Europe. That ten-speed bike you've been wanting. And more.

All it takes is a little patience. And regular deposits in your account. With our high interest rates, you'll be surprised at how fast your account grows.

Of course, you can withdraw

your money when you want it. And if you move we'll transfer your account free, to any branch in Canada.

Open a Savings Account at a Commerce branch near you. It might be one of the most interesting things you'll do this term.



CANADIAN IMPERIAL  
BANK OF COMMERCE



# NAIT President Welcomes Visitors

Welcome to one of N.A.I.T.'s outstanding events of the year - Open House!

Open House '75 carries on a tradition that was established in 1962 when N.A.I.T. first opened its doors to the public. Each year since then, an invitation has been extended to prospective students, to parents, to potential employers, and to the community-at-large to visit this Institution.

There are displays and activities that cover a broad range of interest in industrial, technical and business programs.

The Industrial Division, located at the north end of the Institute, is concerned, primarily, with the apprentice trade programs. If you want to see Carpentry, Plumbing, Painting, Bricklaying, Welding, Telecommunications, Automotive, Heavy Duty Equipment, Sheet Metal, Mechanical-Industrial Engineering, to name only a few, visit the north section of N.A.I.T. including two separate buildings located on the north-west corner of the campus.

The Tower Building houses the Business/Vocational Division programs. Computers, Secretarial Technology, Accounting and Financial Administration, Administrative Management, Business Administration, Marketing Administration, Office Machines, Teller-Training, among others, are located in this building. This Division can be counted on to come up with some new and novel displays and projects.

The central section of the N.A.I.T. complex (that is north and south lobbies, auditorium, and cafeterias) is assigned to Further Education and Food Service displays.

If you are interested in seeing some outstanding artistry of N.A.I.T.'s chefs-in-training and food service students, don't miss the display in the auditorium opposite the main cafeteria.

Technical Division programs are in the south end of the Institute. There you will find Architectural Technology, Biological Sciences, Medical Lab Sciences, Chemical, Civil, Engineering Design and Drafting, Electronics, Dental Programs, Hydrocarbon Engineering Technologies, Instrumentation Technology, Materials Engineering Technology, Medical X-Ray, Photography, Radio & Television Arts, Veterinary and Animal Science displays. This list is by no means complete, but it does give some indication of the variety of technologies to be found in the south area.

To make your tour complete, visit the Activities Center at the extreme south end of the campus where the swimming pool, Hockey rink and other recreational activity facilities are located. Some sports activities are being planned for your enjoyment for which schedules will be posted in a conspicuous location.

If you require information or assistance, do not hesitate to call upon any of our staff or students displaying the Open House '75 name tag. They will be pleased to render whatever assistance they can.



They also, share with me the wish that you will enjoy your visit to NAIT and that it will serve to give you a new understanding of NAIT's role and purpose in the Alberta Post-Secondary Education system.

Sincerely,

*G. W. Carter*

G. W. Carter  
President

## Ookpik

prised I was to find your little friend here and so comfortably settled by the lamp. You were wise to take the nest when there was only one egg in it, Inuk. But what sort of a bird is it, does anyone know?"

"Well Father, I have tried to find out from grandmother as to whether our people have ever spoken of such a bird in their legends. Do you see it's round body and that large round head?" said Inuk's mother.

"Yes, it looks like the large owl that sees so well in the dark," said Inuk's father.

"And the feet are large enough so that he will walk on the snow when it is soft, just like Achigyak the partridge does," said the old woman as she warmed her thin hands at the lamp.

"But he must be given a name, Inuk. He is your bird. What are you going to call him?" asked Inuk's mother, as she swung the cooking pot over the flame.

"What shall I name him?" Inuk gently lifted the bird from the warm nest. He held him

at arms length.

The round head and the un-blinking eyes faced him.

"I shall give him the only name that comes to my mind. There can be only one name, which surely will be on many lips. I name him Ookpik, that is what his name will be Ookpik the owl."

(reprinted from "Two stories of OOKPIK", by Dudley Copland)

Inuk was a very intelligent young man. Every year the word Ookpik is on everyone's lips. Everyone who knows any thing about NAIT that is.

So much for the history of the Ookpik. Now a little bit more about the NAIT original. Since 1963, the Ookpik has been kidnapped (or is it Oonapped) so many times no one knows for sure the exact number. Those big ugly SAIT students were the worst culprits. They used to make a habit of coming to Big E to steal the Ook. They'd do almost anything to get it too, break windows, get into fights, drive madly through city streets and any number of other death-defying feats to obtain the price-

less owl.

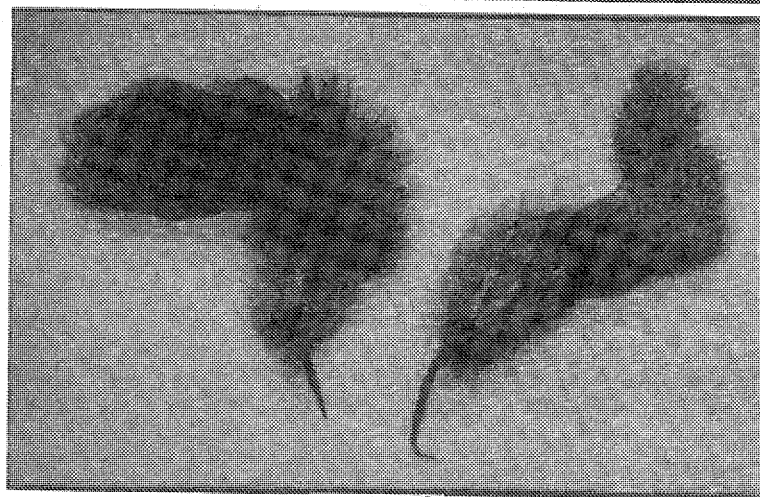
It was given up for lost at one time, SAIT had it for almost two years. NAIT's Student Association had another one made, but it was only a reproduction, not the original.

The fake Ookpik can be seen in the trophy case in front of the gym, but the original is safely tucked away somewhere. It's just too valuable to be left on display.

Also in the trophy case with the (pardon the expression) fake, are two Sikusis. They have an interesting story behind them as well. It goes something like this:

Once upon a time in the village of Tuktoyaktuk in Canada's Northwest Territories, there lived a kind and gentle Eskimo who loved all living things. One day while walking in the frozen north he was buried in a snowslide by an evil spirit who turned the snowslide into a wall of ice. The people of Tuktoyaktuk were troubled and sad, but started at once to free their friend. They chipped and chopped, but the ice wall was too hard and too thick.

Now near the village in a valley of small and happy creatures lived Sikusi, a woolly



SIKUSIS

and mischievous ice-worm. He heard the news, and defying the evil spirit, left the valley of happy things, and headed to the ice wall. The people of Tuktoyaktuk saw him coming but turned away. This was no time for mischief making. They must free the kind and gentle Eskimo. Sikusi went straight to the ice-wall and melted a path to the man in the ice. The Eskimo was free, and the people of Tuktoyaktuk were happy again.

The evil spirit saw what had happened and he was afraid. He left the village of Tuktoyaktuk and never returned. Sikusis the

Mischief Maker was the hero of the day. He still melts holes through igloo walls. He still makes mischief wherever he goes. But the people of the north look upon his mischief as a sign of good fortune. Wouldn't you?

So now you know the absolute true story behind the Ookpiks and the Sikusis.

NAIT's athletic teams are fortunate in having a name that probably no other team in the world can boast of. There's only been one problem in regards to the name... what do you call a female Ookpik?





NAIT has many well qualified students available for permanent and summer employment. Courses offered are:

Accounting & Finance  
Administrative Management  
Air Conditioning & Refrigeration  
Architectural  
Biological Sciences  
Building Construction  
Chemical  
Civil Engineering  
Commercial Baking  
Commercial Cooking  
Commercial Signwriting  
Computer Systems  
Court Reporting  
Dental Assisting  
Dental Laboratory  
Dental Mechanic  
Dietary  
Earth Resources  
Electrical Engineering  
Electronics Engineering  
Electronics Technician  
Engineering Design and Drafting

Food Technology  
Forest Technology  
Hydrocarbon Engineering  
Industrial Heavy Equipment  
Instrumentation  
Marketing Management  
Materials Engineering  
Mechanical - Industrial Engineering  
Medical Record Librarian  
Medical Dicta-Typist  
Millwork & Carpentry  
Office Machine Technician  
Photographic  
Plastics  
Radio & Television Arts  
Retail Meatcutting  
Secretarial  
Surveying  
Tailoring Technician  
Telecommunications  
Teller Training & General Business  
Veterinary & Animal Science



Students will be available for employment about May 30th. If you are looking for well qualified employees, contact  
Canada Manpower Centre on Campus  
Room E-132  
Telephone # 477-4370 or 477-4369.  
Interviewing facilities available through this office.

## NAIT Has Something For You!

What has NAIT to offer you? Open House 1975 will afford you, the prospective student, employer, or public at large the chance to view first hand the varied educational functions that are available at NAIT. The displays erected throughout the institute are an attempt to familiarize you with what each educational endeavor is attempting to accomplish.

### TO THE PROSPECTIVE STUDENT

Whether your interests be in the business field, technical field or industrial field, NAIT can and will prepare you for a career. Training involves a mix of practical and theoretical knowledge in the field of your choice.

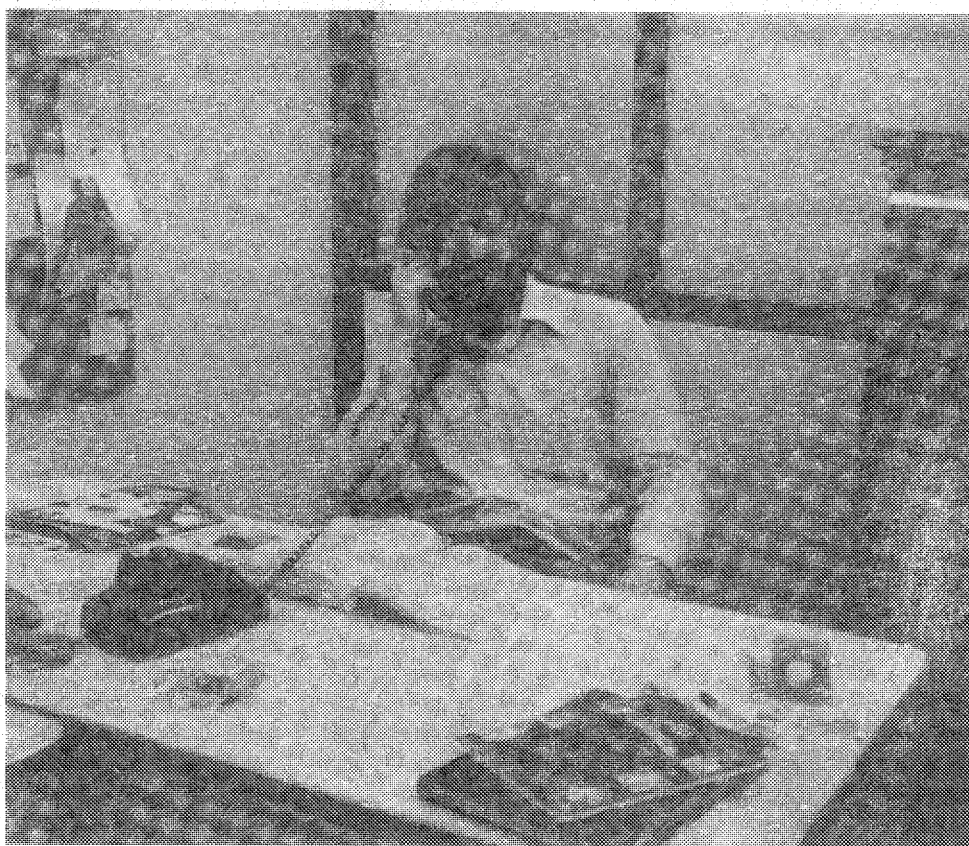
Extra curricular activities involving both sports and social activities give NAIT a reputation of producing a well rounded graduate who is willing and able to take on a responsible position in the community.

### TO THE EMPLOYERS

NAIT is unsurpassed in its record for supplying the business world with high calibre graduates! More and more companies are looking to NAIT to supply their needs as can be evidenced by the 90% plus employment rate of students upon their completion of academic endeavors.

### TO THE PUBLIC

NAIT students are taking an avid role in such worth while projects as the national Shinerama campaign for Cystic Fibrosis and the Santa's Anonymous campaign at Christmas. These are only two of the many charities



and benefits that we here at NAIT help to promote.

On the behalf of the NAIT Student Association I welcome you to NAIT and invite you to partake in NAIT's eleventh annual Open House.

*Russ R. McLeod*

RUSS McLEOD  
NAITSA President



## OPEN HOUSE PARKING

By S/SGT JOHNSTON

During the Open House days the parking in and around the NAIT complex will be controlled by commissioners and the volunteer students.

In order to inform students and staff who will be attending and possibly showing some of their guests the various attractions, the following information on parking is presented.

The far North lot - north of 118 Avenue, will be closed off until 0900 hours each morning. The reason for this action is to ensure guests can park when they arrive.

All reserved, numbered stalls will be used ONLY by renters on Friday, the 14th.

All reserved, numbered

stalls will be on a first come, first served basis on Saturday, the 15th.

NAIT students will be able to help control the job of keeping the normal areas - in and around the institute - clear by assisting guests who ask for parking information.

NAIT students, should they care to help, can assist in the prevention of motor vehicle tie-ups by ensuring they avoid dropping off and picking up passengers in the main (106 Street) parking lot by using the lane on 106 Street for this purpose. Avoid parking where a build-up will prevent loading or unloading of trucks and vans. Avoid parking in fire lanes and restricted parking areas. Although the walk from the far south (south of Princess Elizabeth Avenue) lot is a fair distance - co-operation will be required of all students to use this parking area on these days. This will aid in making the Open House a success.

City of Edmonton Police will be cruising in and around the NAIT perimeters. They will be on the ready to heed any calls from the commissioners and volunteer parking students. Care should be taken when parking in the streets east of the

Institute. Respect the street parking signs.

Remember - ask a commissioner for the proper parking location.

Remember, the Institute speed limit is 10 MPH in and around all buildings and parking lots. Speed could be fatal when guests are looking around in unfamiliar areas.

So, to have a good time, all that is required is: A little courtesy and common sense ... Enjoy yourself.

## UNCLES AT LARGE Forum

March 20,  
7:30 pm

Edmonton  
Public  
Library

# Ask me!

IF THERE WAS A FIRE AT YOUR HOUSE, AND  
YOU COULD LEAVE WITH ONLY ONE OBJECT  
WHAT WOULD IT BE



My boyfriends' picture. It is on my dresser, so I'd pick it up and run. After all, its been five years.

ELLEN KASTELIC  
Bio Science I



My wife. Maybe we shouldn't refer to her as an object. You look after human concerns first before material items.

RON KACHMAN  
Electronics Department



I'd take my purse, my "survival kit." Its got everything in it, its got my vital stuff in it.

BARB PHILIPS  
Bio Science I

I'd take my stereo I guess. Its the most expensive thing in my room. But by the time I got that out the door all my records would have burnt.

RICHARD HAWRYLUK  
Pipe Trades I



Don't ask me about fire, I did have one in my place. I wasn't there. I was out getting drunk. But I'd probably take my pipe.

MONICA DEMERS  
Secretarial I



I'd take Margaret cause she's always there anyways.

CRAIG MAKSYMIC  
Marketing II



## Be a different kind of company manager.

The kind of company we're talking about could be a Combat Group. You could be leading Infantry, Armoured and Artillery units. Co-ordinating the actions of ground support jet fighters.

It takes intelligence, guts and a cool head to lead this kind of company.

How about you?

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University \_\_\_\_\_  
Course \_\_\_\_\_ Year \_\_\_\_\_



# Earth Resources

What with the newspaper headlines alternating between stories that deal with energy conferences and energy crises we became more than a little curious about the program at NAIT which, on the surface at least, appeared to be directly involved with the world of energy. A long look and a lot of conversation later, we came away realizing that to think of this program in terms of JUST energy sources falls far short of what the course is all about, and this just added to the intrigue behind that name.

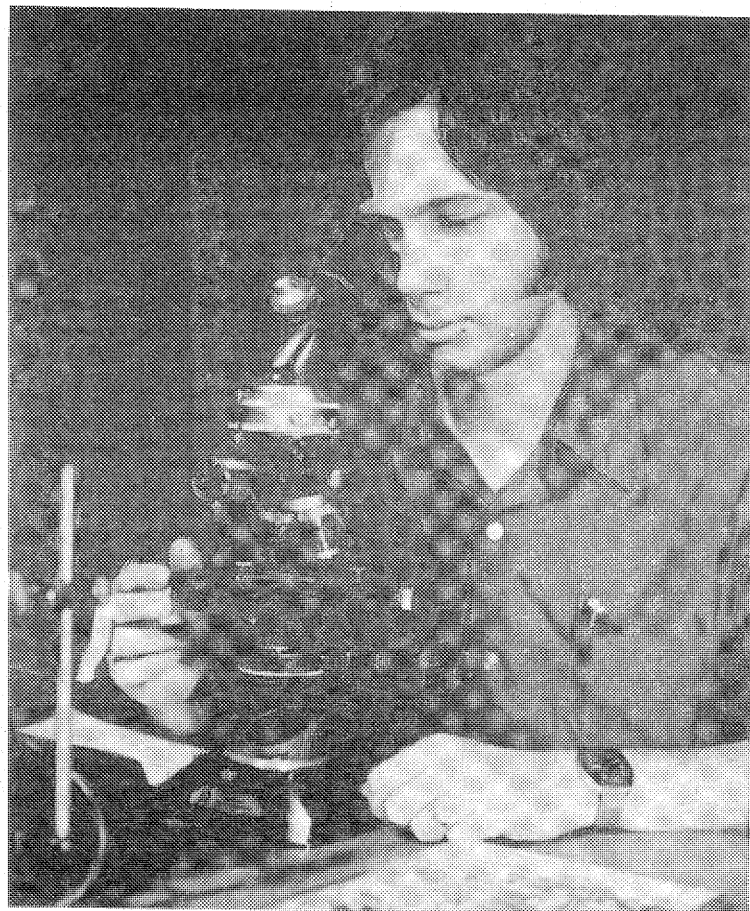
If you're talking about the Earth Resources program, you're talking to E. Lipsett at least part of the time. And if you're taking an historic look at the course, you're reading newspaper clippings, letters and memos that are dated during the early months of 1964. The program came into being

bearing the title "Exploration", and it was known as that up until about two years ago. Looking back at the early offerings, there have been some subtle changes over the years, some not so subtle too, but the surprising thing is that the basic approach today bears a striking similarity to that which was taken ten years ago. The student is trained for a career in an industry and the emphasis is on that rather than on training for a specific job within that industry. This makes it a little tricky when you ask what the student might be doing after graduation because there is such a diversity in the activities of the graduate. You can't even nail it down geographically. Graduates of the program are working all around the world, and the international status of the Earth Resources program can perhaps be illustrated best

by pointing out that three firms have come from France in search of graduates within the past year, and the most recent visitor, a division of Schlumberger, have advised that they will be back for a second trip in the spring, when the students are closer to graduation.

Any student enrolling in the Earth Resources Section takes the same program during their first year. But at the start of their second year, they have three routes open to them. They can major in either Mineral Resources, Petroleum Resources or Coal Resources, and if you think about the implications behind those titles the job possibilities begin to come into focus. The image of the Exploration Graduate, bearded, booted and wearing a red jacket out in the middle of nowhere with a pipe and pick is just a little out of date.

The Earth Resources graduate could be sitting in the air conditioned computer centre of a major oil company in a downtown office talking to a machine. It was interesting to discover the role that computers play in this program, to the point where the first introduction of computers to a technology took place at NAIT through this section. The first IBM 1612 came to NAIT and found a home



in the Exploration Section, and computer applications to industry requirements is a vital part of the Earth Resources program regardless of the option the student elects to pursue.

Students are consciously directed towards thinking in terms of a career rather than

a specific job, particularly during their first year in the program. Earth Resources could, and should, have an appeal for more female students than are enrolling right now, and nobody in their right mind questions the need for trained people in the Earth Resources field in the years ahead.

## Commercial Baking

The one year program in Commercial Baking offers an interested student a chance to prepare for a satisfying career in a wide variety of establishments eager to hire trained personnel.

Successful graduates of the program may look forward to employment in large and small scale bakeries, hotels, and institutions as well as related allied baker industries.

The prime objective of the program is to graduate competent bakers with a good

practical ability and supporting theoretical knowledge. In the program, students receive training in all aspects of baking bread, cake, cookie and pastry making as well as basic theory, sanitation requirements, trade calculations and general business knowledge are all included in the total program.

The student learns in pleasant, comfortable surroundings, working with modern bakery equipment under the guidance of competent instructors. Unlike many of the

programs at NAIT, the Commercial Baking students enjoy the satisfaction of seeing their daily production of bakery products marketed through the small outlet operated in conjunction with the course.

Anyone interested is encouraged to contact the Commercial Baking instructors at NAIT, who will be pleased to discuss the course itself, career possibilities, working conditions or any other concern of Commercial Baking. They encourage your enquires.

## HOUSE OF GABLES

### PROFESSIONAL MEN'S HAIRSTYLING by Lorene and Terry

SPECIAL FOR NAIT STUDENTS

Monday thru Thursday

\$5.00 for style

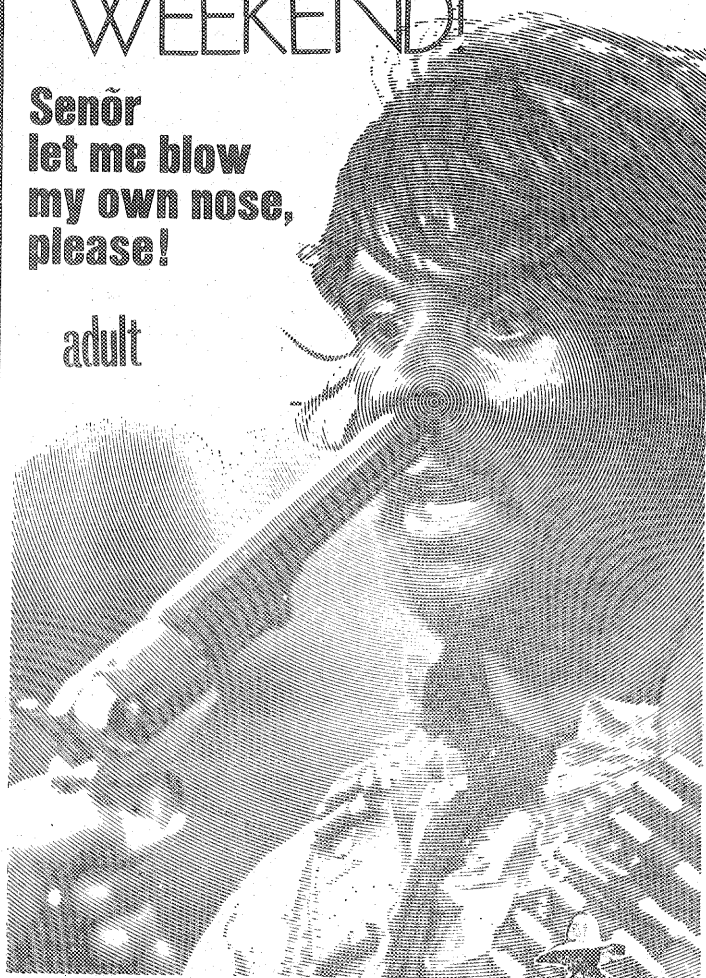
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adult



Joseph E. Levine Presents  
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with Bud Spencer Steffen Zacharias Dan Sturkie

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CINEMA

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SUNDAY  
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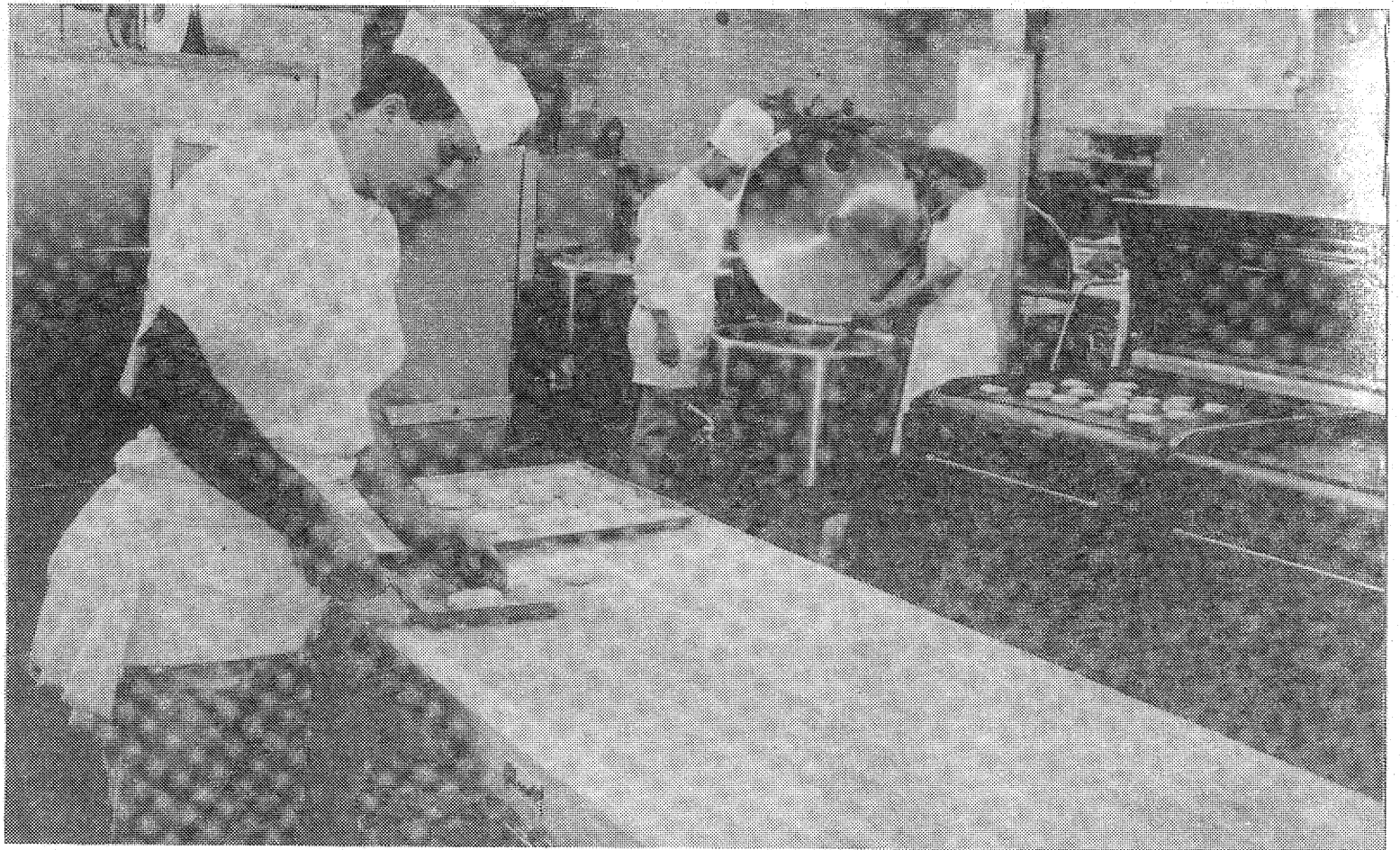
★SPECIAL★  
MATINEE SATURDAY  
at 1:30



# Food Tech

Food Technologists DO NOT cook: they are technically involved with scientists and engineers in production, industrial processing and marketing of food. Their challenge is to help in providing safe, more abundant and more nutritious foods both for you and growing world populations.

Food technologists work in three general areas in processing and packaging Alberta's agricultural commodities: production, government monitoring agencies and research. These areas offer a wide range of technical and supervisory opportunities. Graduates often start out in quality control or production. After gaining suitable experience and proving their ability they can progress to such occupations as assistant chemist, quality control supervisor, government inspector, research technologist, product development technologist, production foreman or plant superintendent. Some graduates prefer to enter small companies where they can be exposed to all facets of activity, others prefer to follow careers with large national companies.



Wherever graduates may work in the food industry, they can expect to encounter increasingly complex processing methods and equipment, trends to convenience foods, and stricter requirements for nutritional content and declaration, product safety and environment quality.

The Food Tech program reflects the unusually broad range of training required by the food industry. Curriculum stress food technology courses at 42%, chemistry at 23% and microbiology at 13% of required courses.

Courses include chemistry, mathematics, physics, general and food microbiology, food engineering and processing, biochemistry, food analysis, quality control, sanitation, instrumentation, packaging, business organization and industrial supervision. Public health inspection methods, water analysis and relevant aspects of pollution control are also emphasized.

Well equipped experimental facilities provide experience with principles of processing methods and equipment and with testing procedures. Labs are supplemented with organized industrial visits to observe manufacturing operations, testing and research.

Alberta has the agricultural

and necessary fuel potentials to play a vital role in world food supply, a role which should grow dramatically in a few years from the present 16% of national food processing activity. Much of this increased growth will come from extraction of rapeseed and other seed proteins and from expanded dehydrating, freezing

and canning operations. Food technologists face great human challenges and increasingly bright opportunities.

Program entry requires Grade 12 English plus at least 20, 22 or 23. Biology and Physics are preferred subjects. Strong interest in the sciences is important in Food Technology.

## Commercial Cooking

In the past decade, the craft of Commercial Cooking has moved into its rightful place in Western Canada. Today, in Institutions, Dining Rooms, Restaurants, Clubs, Catering Establishments and Drive-Ins there exists a great demand for all types of cooks and chefs who have been properly trained. The graduating cooking student has only to select the type of establishment he likes the most and seek employment there. There are many related jobs that also open up to Commercial Cooking graduates. Food sales

representatives, managerial positions, and many other related positions open up to the individual with a solid training in Commercial cooking.

The Food Service industry at this moment is growing at such a rate that it now can claim to be one of the group in the top ten industries in Western Canada.

The objective of the two year program in Commercial Cooking can be said to be to prepare Cooking students for the high quality and services required, and to teach the skills necessary

to perform successfully in this demanding but rewarding field.

Students, male and female, are taught to prepare attractive foods according to the methods and techniques dictated by industry, observing at all time, the importance of cleanliness, sanitation, and good public relations.

The first year consists of a number of instructional blocks providing theory of food, demonstration, practical shop work and theory on sanitation, communication and costing.

### TRANSCENDENTAL MEDITATION

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8:00 pm

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## Greetings from the City

On behalf of the members of Council, the Commissioners and the 450,000 citizens of Edmonton, it is a pleasure to extend greetings to the faculty and students of the Northern Alberta Institute of Technology.

You are the reason your institute of learning commands a prominent place in our community. Through your contributions and pride, you have earned that position for NAIT. Educational institutes of its calibre are more than steel and bricks. They are people, and you have made NAIT "live".

So, at the time of "Open House Weekend", it is a privilege to greet and salute the faculty and students, and their guests.



*Wm. Hawrelak*  
Wm. Hawrelak  
Mayor



# Building Construction

This program was established at the request of the Alberta Construction Association to provide a source of personnel to fill positions in administration and supervision within the construction industry. Due to changes in methods of construction in recent years, it is no longer possible to properly job-site train a man from tradesman to foreman to superintendent or administrator, in the time frame dictated by the requirements of the industry.

Graduates from this program will be dealing with people at various levels in the industry and will be supervising tradesmen on construction jobsites. The hand skills required of the various trades in the construction industry are not taught in this program.

The student in this program will become familiar with the work of all the usual construction trades (carpentry - masonry - plumbing - electrical, etc.), and will acquire a good understanding of construction methods, materials of construction, basic structural design in wood, steel and concrete, surveying, proper use of equipment, methods of estimating costs, scheduling, office procedures and job management.

There is a large and growing demand for people from this program, due to the tremendous expansion and changes within the construction industry. Graduates have found employment as project coordinators, estimators, timekeepers, purchasing agents, superintendent trainees,

assessors and building inspectors. Opportunities for promotion are limited only by the desire, energy and ability of the graduate.

Consideration for admission to the program will be given to mature people with construction aptitude and experience but deficient in high school credits and to people with a journeyman's certificates in a construction trade.

Our economy has reached the stage where the Building Construction industry represents our largest capital outlay. The Building Construction program at NAIT enables the Technologist to bridge the gap between idea and fact - or concept and finished structural unit. Our man communicates effectively with all personnel involved in this complex industry - from interpreting the whims of the architect to resolving the problems of the tradesman. In order to accomplish this effectively and economically a rigorous two year program at the Institute (average 40 hours per week - Theory and Shop) enables him to capably perform the tasks of the assessor, estimator, or job coordinator and with experience - to spearhead the operation as superintendent.

Ours is not a soft program - as the construction industry is not a soft operation. Success in the field necessitates success at the grindstone - to this end our instructors are invaluable. Each individual is a specialist and has proven his competence in the field.



Included in the program are:

- Wood Design
- Concrete Design
- Steel Design
- Estimating
- Survey
- Carpentry
- Masonry
- Electrical
- Plumbing
- Drafting

Each course is coordinated and interrelated to enable the individual to understand and appreciate the workings of this complex industry - and assume a responsible position within it.

Our two years are not devoted solely to academic. We have established a tradition in regards to our annual bridge building competition - Intramural athletics - and selection of the most attractive ladies on campus to provide our moral

support (such boisterous lads require constant attention!). Miss Dariel Ritchie (Dental Lab) was duly selected "Miss B.C.T." and went on to ascend the throne of "Miss Northern Alberta Institute of Technology - 1974-75". We are sure everyone approves if the bundles of "I love you - Dariel" notes that Marketing persists in sending - are any indication.

Though ours is one of the smallest technologies here at NAIT we acquit ourselves well as will be evidenced by the clink of glass and slush of beer at Ye Old Watering Hole - at days end or when the group gets it on.

Enjoy yourselves during your visit here - come down to our display in the MORTAR TRADES BUILDING and get involved.

## Court Reporting Technology

The verbatim (word for word) reporting of Legal proceedings by means of a shorthand machine offers a challenging and rewarding career for both men and women. The best means of

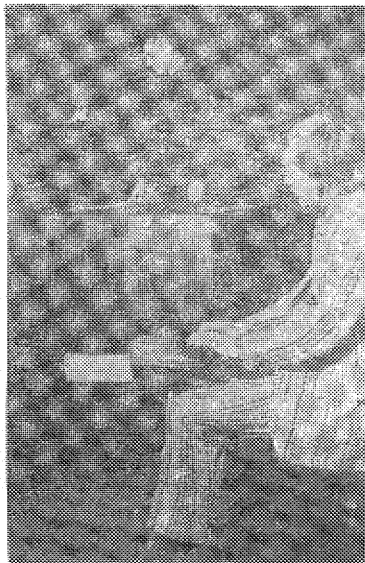
making an accurate, verbatim record of court proceedings is through the services of a skilled shorthand writer.

A court reporter is a sworn officer of the court, and must have the ability to write shorthand at 200 words per minute. Court reporters must also have a well rounded, general education with a wide vocabulary and a good knowledge of Canadian legal procedure.

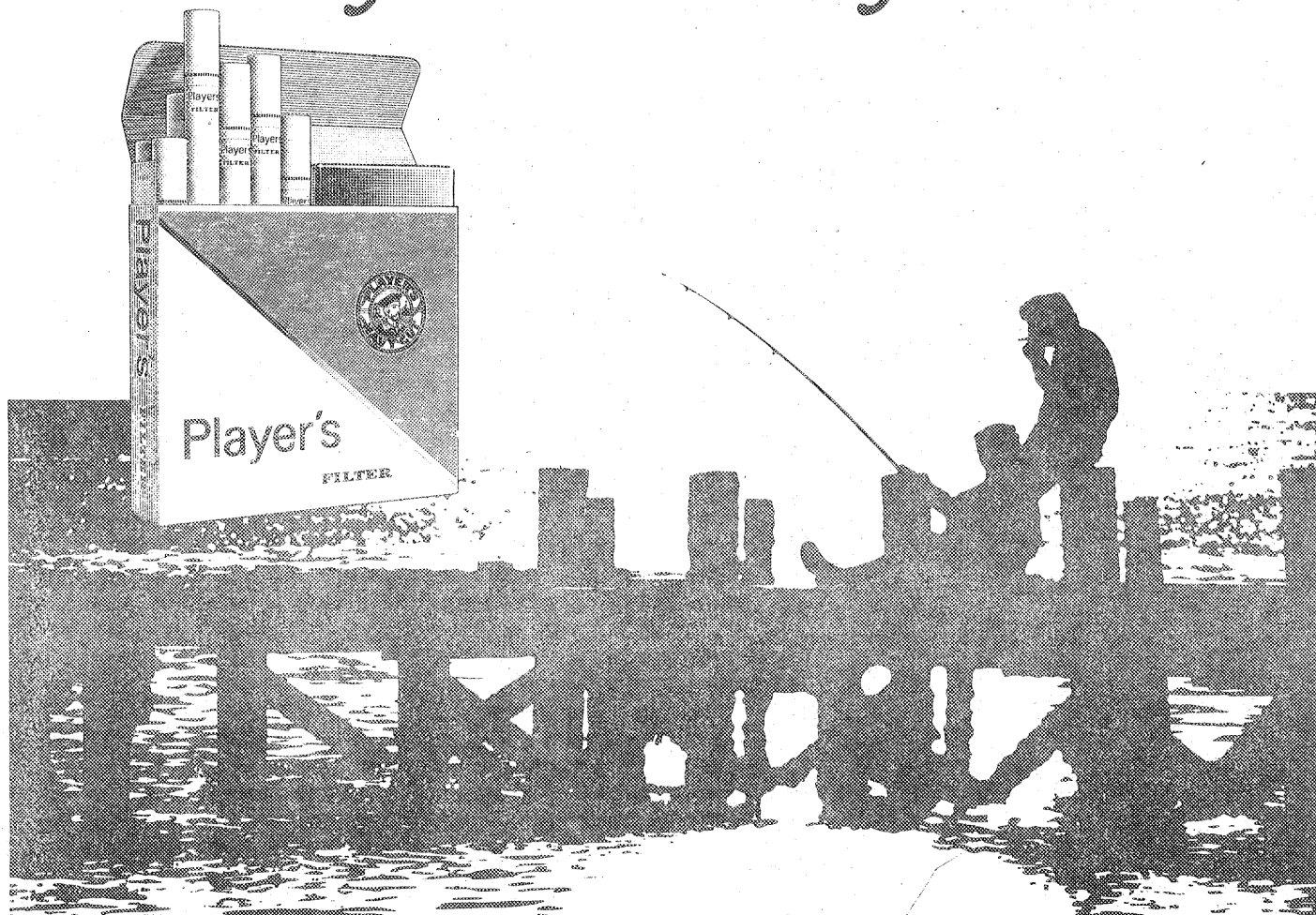
NAIT offers Court Reporting in a two year program that will educate students in the Canadian Judicial and Parliamentary systems; develop skills and comprehension required to record and transcribe proceedings accurately, and widen the student's vocabulary in technical, legal and medical terminology.

As there is a limited enrollment in this newly formed technology, we urge all who are interested in entering this demanding profession to register as soon as possible.

Come and see our display during Open House, located in the Main Rotunda.



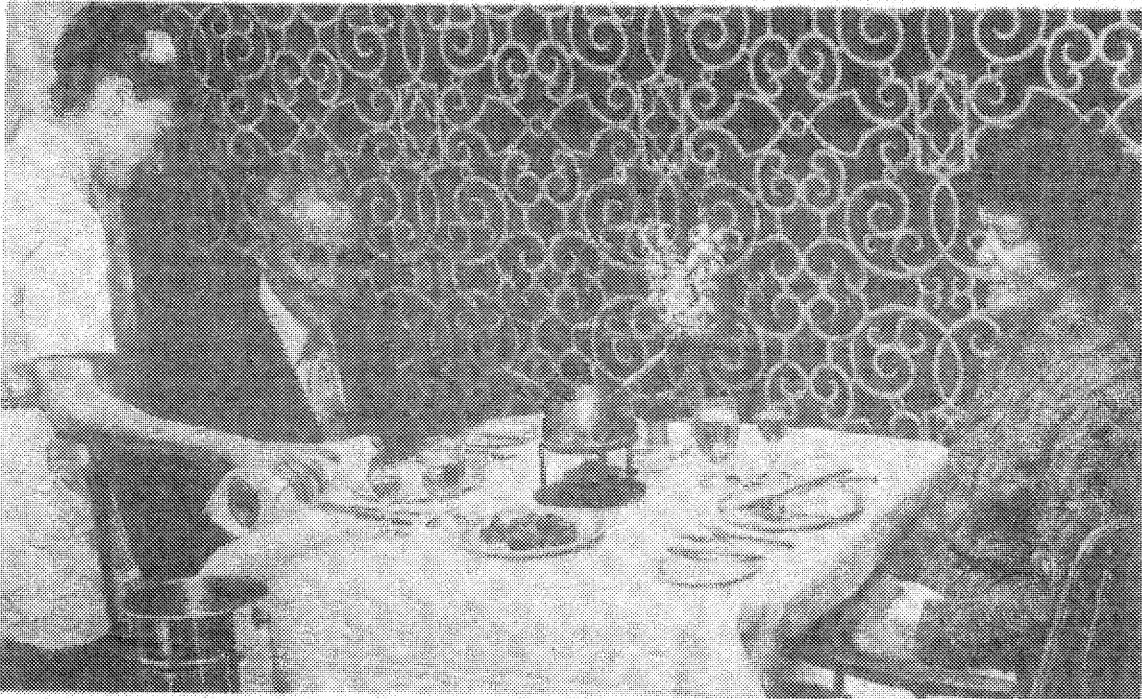
# Player's filter cigarettes. A taste you can call your own.



Warning: Health and Welfare Canada advises that danger to health increases with amount smoked—avoid inhaling.



## Food and Beverage Service Training



A special sixteen week program is offered at NAIT which is designed to meet a very real need in the world of Food and Beverage Service. It is evident by the large number and variety of restaurants, hotels, and clubs in cities and resorts that have been opened in recent years that Western Canadians are demanding new and sophisticated sources of good food and good service. The Food and Beverage Service Training Course is specifically design to train people to meet

the demand for skilled staff in such establishments.

Students receive actual training in serving food, menu knowledge and terminology, together with the opportunity of observing and understanding the field of food preparation. A well designed staff dining room provides an ideal setting for the serving of food, meeting and dealing directly with the patron.

This program offers specialized training in various types of lounge, dining room and other

related areas with emphasis on French service (silver platter and flaming dishes), banquet service, dining-lounge service, restaurant service, a knowledge of wines, together with bar service (basic mixology).

Applicants must enjoy working with people in a variety of establishments and situations, be 18 years of age or over, in good health and have a good command of both written and oral English together with a pleasing personality.

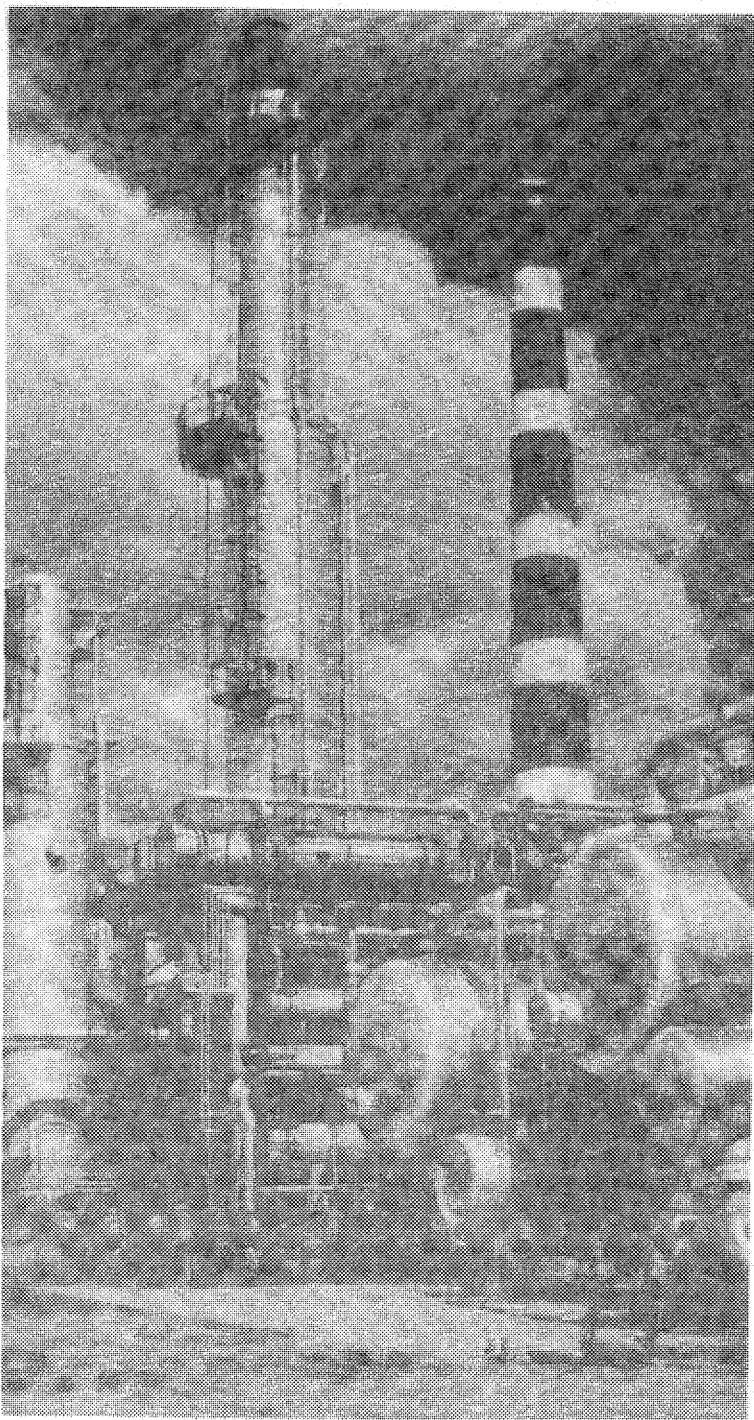
## Hydrocarbon Engineering Technology

Over the past twenty-five years the Canadian Petroleum and Natural Gas Industry has written a remarkable story of achievement in terms of resource development and production. This same industry is today maturing with it's growth centres moving in part to new frontiers such as the Arctic, Northern Alberta, and the Maritimes.

The demand for energy is greater than ever. To meet this demand the Energy Industry is continuing to develop the conventional hydrocarbon resources of oil and gas while at the same time turning more to research and development of other available hydrocarbons such as tar sands, heavy oil and coal. There is a strong awareness of the tar sands plants proposed for the next decade. Others talk of coal gasification to supplement our natural gas production.

Historically, Technologists graduating from this Program have been largely employed in the Natural Gas Industry. Gas processing operations have provided Technologists with plants and field work as well as opportunities in laboratory work, plant engineering and operational supervision. Other Graduates have found employment in engineering, and related technical services, where they work as para-professionals in an engineering organization. More recently employment opportunities have developed in related petrochemical industries, and technical sales and service. Some have found employment overseas with petroleum service companies.

Our future energy and chemical feedback requirements will be met from petroleum and natural gas, as well as tar sands and coal.



An increased effort to maintain and expand production means a strong demand for Technical People to develop our hydrocarbon resources.

Employment opportunities

continue to be plentiful with good salary levels. Graduates from the Program are eligible for membership in the Alberta Society of Engineering Technologists.

## How's your library?

Are you satisfied with the service and materials you can obtain from your home library?

If you live in a small community outside of Edmonton do you have access to a library?

If you say yes in both cases, read no further.

If your answer is NO! please help your library action committee to improve the services by filling out the form below and dropping it in the NAIT mailbox of R. E. Wright or mail it to Honorable

Horst A. Schmid  
Culture, Youth and Recreation  
Government of Alberta  
324 Legislative Building  
Edmonton, Alberta

1. I/my family want improved library services in \_\_\_\_\_ community through increased government support.

2. I/my family make the most use of:

- \_\_\_\_\_ public library  
\_\_\_\_\_ school library  
\_\_\_\_\_ college/university library  
\_\_\_\_\_ extension library  
\_\_\_\_\_ no library available

3. I/we use the library for:

- \_\_\_\_\_ meeting place  
\_\_\_\_\_ recreational reading  
\_\_\_\_\_ school assignment  
\_\_\_\_\_ information  
\_\_\_\_\_ research

I am one of the unhappy 25% without effective access to library service.

Yes  
No

signature

Home Location \_\_\_\_\_

Date \_\_\_\_\_

Comments:

A recent study (the Downey Report) of library service in Alberta shows the urgent need for cooperative development and greater provincial funding of existing and proposed library facilities. Why? In order to provide all Albertans with good library service they should have, the Downey Report has shown, libraries in other provinces enjoy a higher level of provincial government funding than do Alberta libraries. Nearly 25% of our population have no effective access to any library. Your provincial government is concerned but cannot move forward unless you indicate your support.

To learn more, read "The Right to Know", prepared by Downey Research Associates, June 1974 - a report co-sponsored by the Departments of Advanced Education, of Culture, Youth and Recreation and of Education.

This appeal is made by Alberta Library Trustees Association and Library Association of Alberta.

## NAITSA Publications Policy

EFFECTIVE MARCH 11/75

Re: Advertising for NAIT Technologies and Social groups. Per cabarets, social functions, etc.

The above will be charged 50% of advertising cost for all ads placed in the Nugget.

For further information contact the writer in room E-127 Students Association Offices.

BILL NOWRIE  
NAITSA Publications Chairman





# "I changed for taste."

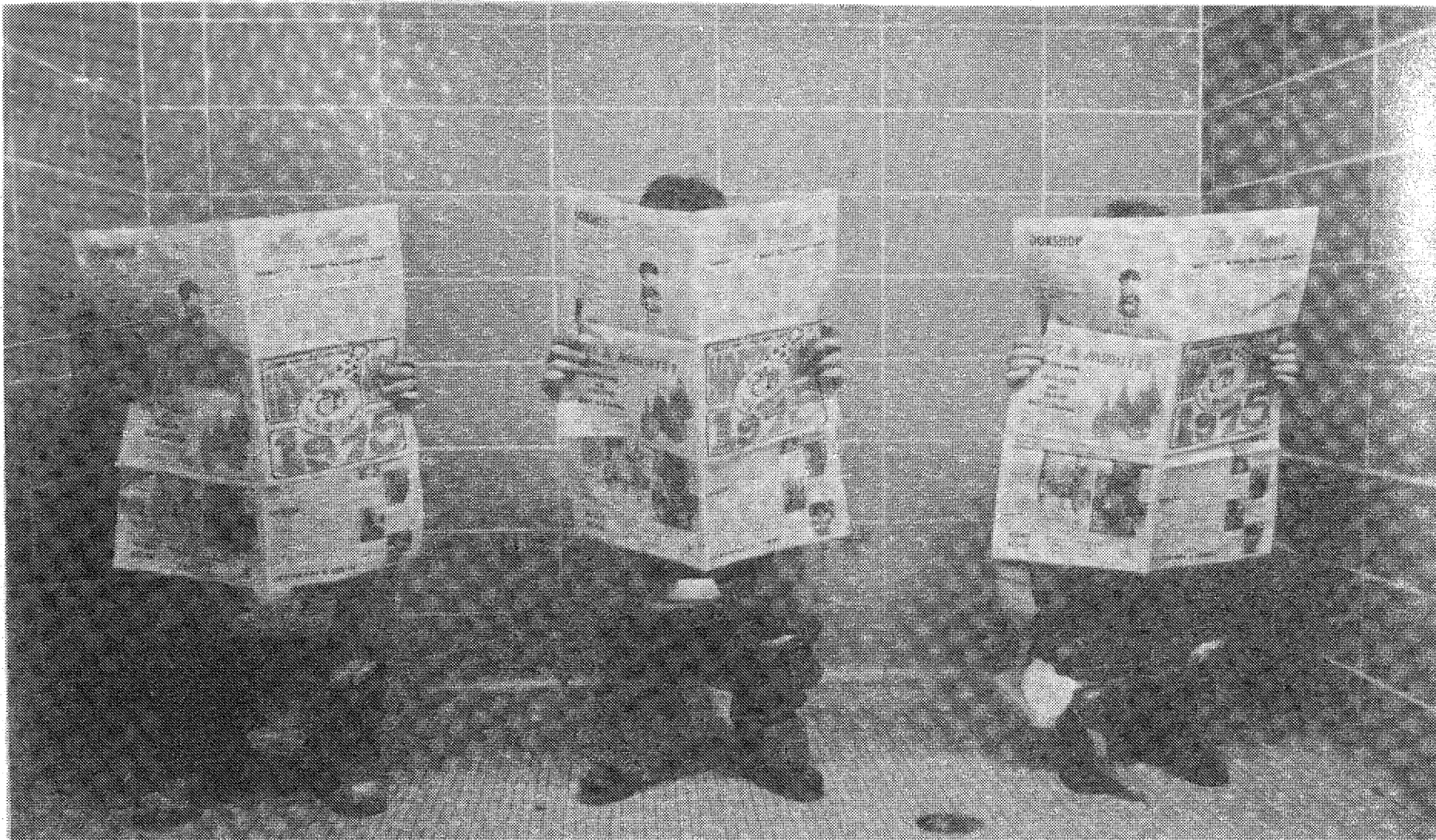
"Taste is what smoking is all about. So now I smoke Winston, instead of Straight Virginia cigarettes."

## Winston

The good taste is catching on.

NOW MADE IN CANADA





## REST AND READ THE NUGGET

# What it is really like at NAIT

### THE PRESIDENT

leaps tall buildings on a single bound,  
is more powerful than a locomotive,  
is faster than a speeding bullet,  
walks on water,  
gives policy to God.

### AN ADMINISTRATOR

leaps short buildings in a single bound,  
is more powerful than a switch engine,  
is just as fast as a speeding bullet,  
walks on water if sea is calm,  
talks with God.

### A DEPARTMENT HEAD

leaps short buildings with a running start and favourable winds,  
is almost as powerful as a switch engine,  
walks in water in an indoor swimming pool,  
talks with God if special permission is approved.

### A SENIOR INSTRUCTOR

barely clears a quonset hut,  
loses tug of war with locomotive,  
can fire a speeding bullet,  
swims well,  
is occasionally addressed by God.

### AN INSTRUCTOR

makes high marks on the walls when trying to leap tall buildings  
is run over by locomotives,  
can sometimes handle a gun without inflicting self-injury,  
talks to animals.

### A GRADUATE STUDENT

runs into buildings,  
recognizes locomotives two out of three times,  
is not issued ammunition,  
can stay afloat with a life jacket,  
talks to walls.

### AN UNDERGRADUATE STUDENT

falls over doorstep when trying to enter building,  
says look at the choo-choo,  
wets himself with a water pistol,  
plays in mud puddles,  
mumbles to himself.

### A SECRETARY

lifts buildings and walks under them,  
kicks locomotives off the tracks,  
catches speeding bullet in their teeth and eats them,  
freezes water with a single glance,  
is God.

## Dietary Technology



The Dietary Technicians, a graduate of a 2 year Dietary Technology program, has had formal training in the fields of meal service, food production, normal and therapeutic nutrition, and with adequate work experience can supervise a unit in a food service complex or operate a small food service department.

### OBJECTIVES:

The objectives of this program is to graduate students who will:

- apply principles of nutrition
- supervise the production and service of quality food
- operate food service equipment
- plan menus patterned for clientele
- apply principles of sanitation and safety in food service operations
- maintain necessary records
- apply the principles of management
- implement cost control measures

### PROGRAM DESCRIPTION:

#### Length of course:

- (a) Instruction of theory takes place from September to May (9 months) at NAIT.
- (b) Practical Training is from June to March (10 months) at an Institute or hospital.
- (c) April to May (2 months) return to NAIT for sixth quarter.

### PREREQUISITES:

#### Entrance requirements are:

- (a) Post High School - complete grade 11 with at least 50% standing in Math 20, 22 or 21, 25 and Chemistry 20. Biology is an asset.
- (b) Adult Considerations - Applicants should have worked 3 years with at least one of the three years employed in the food service area.

### EMPLOYMENT OPPORTUNITIES:

Graduates from this course can find employment in small country hospitals, large hospitals and commercial institutions.

Dietary Technicians are employed in most of the Canadian provinces as well as the Yukon and Northwest Territories.

### FEES AND OTHER EXPENSES:

Tuition fee for the first year is \$87.00 including the \$5.00 application fee.

Books and equipment needed for the program cost about \$100.00.

Uniforms should not be purchased until the students have met with their Instructors.





# Forest Technology

Forest Technology is the course to take if you are interested in being involved with the orderly and prompt regrowth of our forest environment after it has been utilized in the pulp and timber industries, destroyed by fire, or removed by coal operations. It also includes a comprehensive look at other areas of current issue, such as:

1. Forest fire control
2. Mensuration (forest measurements)
3. Construction and improvement of roads, bridges, and recreational facilities (ie. camp sites)
4. Harvesting of timber crops (determination of production costs, volumes of timber to be harvested - in cubic feet - and the actual setting up of a plan

to harvest an area using actual data obtained by the students)

5. Photogrammetry (the study of air photos to enable the student to recognize various types and size of timber, as well as landforms caused by glaciation)

6. Silviculture (the study of forest ecology, and the study of methods of forest harvesting and regeneration as related to forest ecology)

The course includes many field trips, and a lot of lab time. For example, the fall quarter is made up of about 25% classtime, and 75% Lab time. The spring quarter is about the same, and the winter quarter is the exact opposite. Field trips range from one day to a full week, when the forestry class goes to Prince George.

Some lab time is also utilized in raising funds for our graduation, which is being held at Jasper Park Lodge.

The work load at Hinton is heavy, and it is not advisable to fall behind. It's just too difficult to catch up. Assignments range from single page work sheets, to 50 to 60 page reports, and are climaxed by the Resource Management Project, an assignment which takes the full school year to complete, and varies from 200 to 500 pages, after all is said and done.

There is a lot of work in this course, but once it's done, you know that you've done something valuable, because later on, in your career as a forest officer or an employee of forest industry, these skills,

and the knowledge gained will be an important asset in getting the job done.

The Wildlife - Fisheries - Recreation option in second year Forestry Technology offers a variety of courses enabling the

student to enter the fields of enforcement, parks and research. The Law course introduces the basics of courtroom procedure, preparation of cases as to investigation and evidence, and interesting mock trials. With Wildlife and Fisheries such background material as identification, ecology, habitat, classification and survey techniques are covered. The majority of studies are carried out in the field. Each student has a year round resource management project in which to evaluate wildlife habitat, forestry and recreational potentials. Studies of recreation areas as to types, planning, assessment and census are included in the Wildland Recreation course. Before the completion of this option the student knows his field of interest.

## THE BIG ONE

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FILTER TIP  
VIRGINIA CIGARETTES

EXPORT A  
THE BIG ONE

Canada's most popular cigarette.

Warning: The Department of National Health and Welfare advises that danger to health increases with amount smoked.

## 2nd year Forest Technology

The Forestry Technology school at Hinton, Alberta is where the second year of the Forest Technology Course is held. This has both disadvantages and advantages. Disadvantages include:

1. High cost of room and board (120 per month - 1974-75).
2. Long distance from Edmonton (and girlfriends, etc.)
3. Some aspects of dorm life, and clinical food.

Advantages include:

1. Excellent learning environment.
2. High student/staff ratio (46 students, 9 teaching staff)
3. Excellent facility includes:
  - 9 classrooms - this includes the 7200 acre Cache Pécotte Forest which is school owned.
  - 10 vehicles, which are used for field trips throughout the Edson Forest.
  - a modern gymnasium/classroom annex which should be complete before the next (75-76) term.
  - meeting with, and talking to various Alberta Forest Service, and private industry personnel who are involved at a number of short refresher courses at the school.

We feel that the advantages far outweigh the disadvantages.

TWO OPTIONS:

- There are two options in the second year of the forest technology course. They are:
1. Forest Technology
  2. Wildlife - Recreation Technology



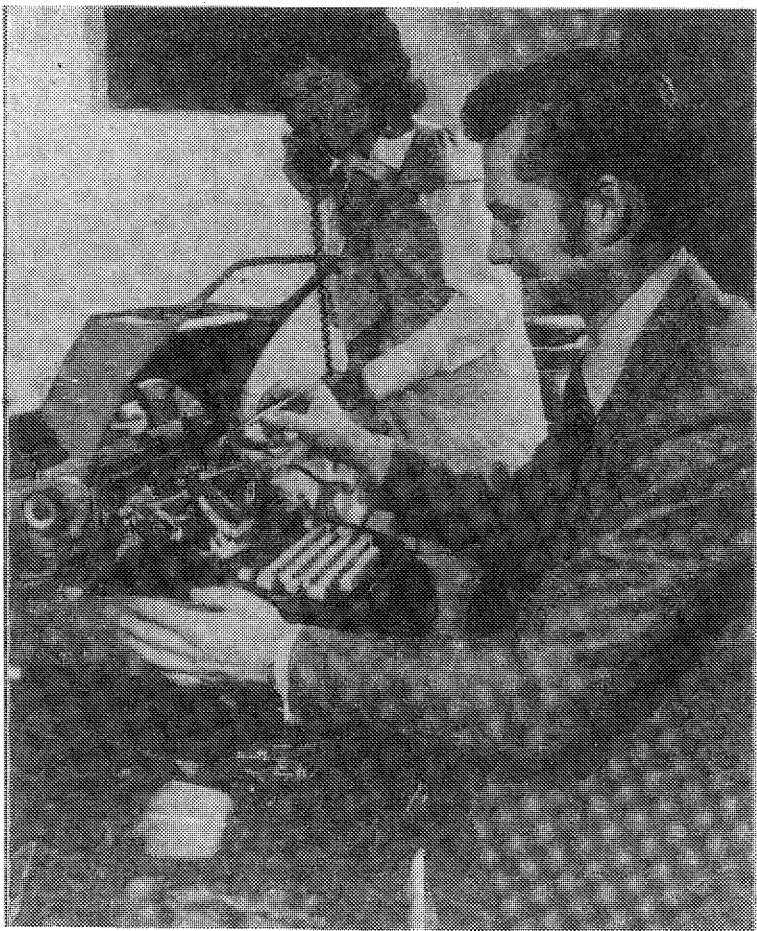
## Office Machine Technician

Todays business world relies more and more heavily on sophisticated office equipment to keep functioning, and the Office Machine Technician Program trains people to service and maintain that equipment.

There is an ever increasing demand for qualified, well-trained personnel in the office machine repair field. It gives the graduating student who completes this one year program a good selection of employment opportunities. A bright and challenging future awaits the graduate who shows ability and initiative in this satisfying field.

The objective of this program is to prepare students with the skills and knowledge necessary to obtain employment in the business machine repair field. The theory and principles involved in the repair of standard and electric typewriters of various manufacture is covered in detail. Instruction is given on the basic function of a photocopier and an electronic calculator.

A student is expected to possess a sound basic knowledge of methods and practices at completion of the program. With



this foundation to build upon, employers are able to provide specialized in-service training on their advanced equipment in minimum time.

The repair laboratory is completely equipped but students are required to provide their own textbooks. The facilities of the Vocational and Industrial

Departments are utilized to provide instruction in related subjects.

The Office Machine Technicians program is presently being restructured and the course content is subject to change.

The cost of books and supplies should not exceed a total of \$100.00.

## ABSENTEE STUDENTS POLL Tuesday, March 18, 1975 9:30 a.m. - 5:30 p.m. E-131

A student attending the Northern Alberta Institute of Technology, and the spouse of the student, is entitled to vote at the above mentioned poll if

- (a) they are qualified to vote as electors in the Electoral Division in which they ordinarily reside, but
- (b) will be absent from the Electoral Division on polling day by reason of being a student at the Northern Alberta Institute of Technology, or the spouse of such a student.

The Deputy Returning Officer at the poll will have lists giving the name and political affiliation of all the candidates in each Electoral Division.

### QUALIFICATION OF VOTERS

A person is qualified to be registered as an elector and to vote, who

- (a) on the day on which the writ, February 14, 1975, was issued was a Canadian citizen or British subject,
- (b) is of the full age of 18 years or will attain the full age of 18 years on or before polling day,
- (c) had, on the day on which the writ, February 14, 1975, was issued resided in Alberta for at least twelve months immediately prior to that day.

Any student requiring further information, please phone: 452-6526 452-6479

## Message from Premier Lougheed



It is a pleasure for me to have this opportunity to welcome visitors to the annual "Open House" weekend at the Northern Alberta Institute of Technology, March 14 and 15, 1975.

At the same time, I would like to extend my very best wishes to the students at NAIT, whose efforts have made this weekend an annual confirmation of their important contribution to our technological society.

My sincere best wishes for an informative and enjoyable weekend at Open House '75.

Yours truly

*Peter Lougheed*  
Peter Lougheed



### TEQUILA SAUZA

Margarita SAUZA  
1 1/2 oz. TEQUILA SAUZA  
1/2 oz. Triple Sec  
1 oz. lime or lemon juice  
Shake with cracked ice  
Moisten rim of champagne glass with lemon rind, then dip moistened rim in salt.  
Sip cocktail over salted edge.

TEQUILA SAUZA  
NUMERO UNO  
in Canada, and Mexico.

TEQUILA SAUZA  
use it in a Bloody Mary and you've got a Bloody Maria.

Orange juice never tasted better when your Sazerac contains  
**TEQUILA SAUZA**

TEQUILA SAUZA  
Straight with salt and lemon and you're drinking tequila like a man.

TEQUILA SAUZA  
Great party starter. Mixes well. Everyone's instant favourite.



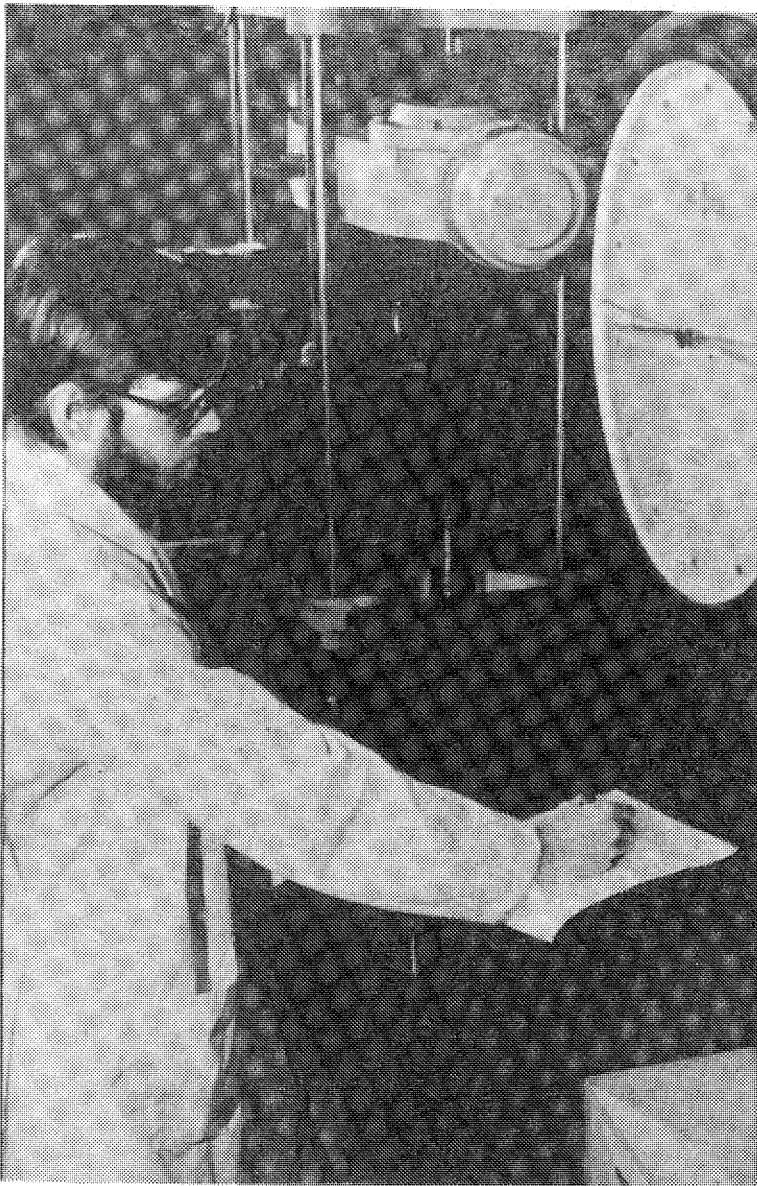
## Materials Engineering

In a world in which there is a growing awareness of the limited availability of certain energy resources and supplies of materials for technological use, the field of material engineering has become more predominant. Materials engineering concerns itself not only with the development and judicious selection of metallic and non-metallic materials for new applications but also with the preservation of materials used in existing engineering systems.

The materials engineering technologists assists the materials engineer in materials design, development, selection and preservation by applying his knowledge of materials properties, processing and fabrication and his skills in metallography, materials testing, and corrosion prevention.

The Materials Engineering Technology program develops the student in (1) the basic skills of metallography, non-destructive testing, mechanical testing, corrosion testing and prevention, and (2) the knowledge of metals properties and processing methods.

The program progressively develops a foundation in concepts from the basic sciences and applies them to materials evaluation and testing problems. The broad background given by the program aids the Materials Technology graduate in be-



coming a versatile employee, able to adapt to changing technology.

The expansion of Canadian and Albertan secondary industry is providing a variety of employment opportunities for Materials Engineering Technology graduates in metals

processing and fabrication, metallurgical research, corrosion control and testing, quality control and inspection services, materials selection, non-destructive testing and education.

To illustrate the wide range in opportunities for graduates, the following lists some of the organizations in which Materials Engineering Technology grads have found employment in the past:

- Amoco Canada Petroleum Co.
- Atomic Energy of Canada Ltd.
- Canadian Industries Ltd.
- Celanese Canada Ltd.
- City of Edmonton Testing Laboratories
- Imperial Oil Ltd.
- International Radiography - Inspection Services Ltd.
- Material Testing Laboratories
- Research Council of Alberta
- Sherritt Gordon Ltd.
- Steel Company of Canada

Graduates from the Materials Engineering Technology are eligible for membership in the Alberta Society of Engineering Technologist after two years of suitable experience.

## Civil Engineering

The objective of the Civil Engineering Technology program at the Northern Alberta Institute of Technology is to train Technologists to assist Engineers in various phases of engineering endeavour.

Civil Engineering Technology graduates may find employment in planning, design, construction and inspection of highways, railroads, large industrial, recreational or residential structures, bridges, dams and other engineering extremely large in scope, and involve the employment of many men and the expenditure of great amounts of money.

The Technologist employed in such undertakings is an important member of the engineering "team", and as such the duties of surveyor, draftsman, estimator, foreman, inspector, or job superintendent.

ground for the study of engineering mechanics, strength of materials, hydraulics, and other subjects required for engineering analysis and design.

Finally, the Technologist who is to succeed must be able to express himself clearly and coherently, and must also have a working knowledge of business methods and economics. The Technologist learns business procedures, cost estimating, report and specification writing, in order to supplement his technical knowledge.

Employment opportunities are presently excellent for the Civil Engineering Technology graduate and are non-seasonal in nature. The educational background of Civil Engineering Technology is sufficiently broad that the graduate finds little difficulty in adapting himself to the varied aspects of engin-



In order to perform his assigned duties efficiently, the Civil Engineering Technologist must acquire a considerable store of technical education in the basic sciences (mathematics and physics), so that he can apply such knowledge to the solution of practical problems. The fundamental sciences provide the necessary back-

ground for the study of engineering in which he is likely to be employed.

Upon receipt of his diploma the student is rated a "Technologist" by the Alberta Society of Engineering Technologists.

The student should be prepared to spend approximately \$150 per year for books and instruments. A list of required texts and instruments is supplied to the student at registration. All books, stationary, and instruments are available from the Institute Bookstore. Students are advised not to purchase instruments until they have consulted their instructors.

# BOOKSHOP

NAIT Scribblers 3 - 29¢

Pencils 2 - 10¢

Poster World Posters

Reduced 4.00 - 2.50

2.69 - 1.50

2.69 - 1.85

3.00 - 2.00

Campus Craft Posters -

10% off

Blacklites 18" 10.00

150 watt - .75

250 watt - 1.75

Ookpiks - 3.00 & 2.00

Phys Ed Bags - 3.75

NAIT T-shirts - 3.25

NAIT Jackets - 25.00

NAIT Sweat Shirts - 4.50

Large Tech Crests - 4.50

B. Croft  
H. Jerke  
D. Brocken  
C. Couillard  
Jerry Duley  
Allan Pebozello  
Caroline King  
S. Stetler  
Lori Wouck

Please  
pick up rings.

**POLLUTION PROBE**  
**& Little Known FAX**  
by Clarence Cleanair

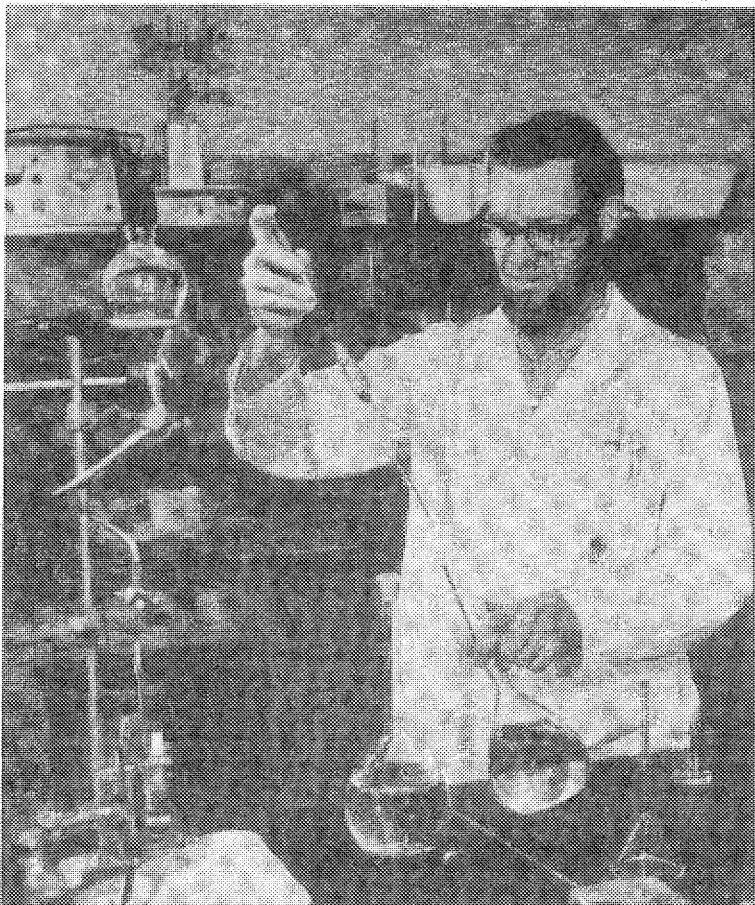
This Week's Subject → **cafeteria TRAYS!**

... how cum?, all the time, when I go to eat in the NAIT cafeteria I can't find a table without all that guck & stuff on it? I sure wish those dudes would arc their trays on to the racks more often. Its sorta like findin the toilet NOT FLUSHED.

- this note also published in the interest of people everywhere.







## Chemical Technology

If you're looking for an interesting, challenging and satisfying career in today's scientific world, a career in chemistry may be the answer for you.

The demand for trained Chemical Technologists in Western Canada grows each year, and the petro-chemical development and general industrial development forecast for this part of the world over the next decade is going to intensify that demand. If you'd like to travel, the two year Chemical Technology program can prepare you for opportunities that exist throughout Canada for young men and women in many industries, including petro-chemical, petroleum and natural gas processing, commercial and research laboratories, pulp and paper, agriculture, and the food and beverage industries.

Challenging opportunities also exist in University departments of Chemistry, bio-chemistry etc., and a wide range of government agencies such as environmental control, forestry, health, research councils, Atomic Energy of Canada Limited and the Defence Research Board.

The Chemistry Technology program provides a strong laboratory orientation together with a broad theoretical background. It is designed to train technologists to work with professional chemists and chemical engineers in a wide range of industry and research.

The first year of the program provides instruction in the basic branches of Chemistry such as Analytical, Physical and Organic Chemistry. In quarter IV, V and VI of the second year, students will take a core program of subjects combined with a choice of one technical option in each quarter. These

options include basic chemical engineering, computer programming, microbiology, etc. and are offered to those students wishing to pursue specific interest areas of chemistry. Tutorial sessions are scheduled to provide individual student assistance and to increase student-instructor contact.

Graduates of Chemical Technology are rewarded by excellent starting salaries and in many cases there may be opportunities for advancement to positions of greater challenge and responsibility. The broad training in fundamental chemical principles, basic laboratory techniques and modern chemical instrumentation will enable the graduate to continue to develop and adapt with the advance of technology in the field of chemistry.

After graduation, the Chemical Technologist is eligible for certification by and membership in the Canadian Society of Chemical and Biochemical

Technology, a Constituent Society of the Chemical Institute of Canada, which serves the interests and needs of Chemical Technologists, Chemists, and Chemical Engineers throughout the Dominion.

Applicants should have their color vision examined. Students with defects in color vision may have difficulty with some aspects of their instruction. Such applicants should consult the program head of the section.

The Chemistry people invite your enquires. Telephone the Program Head, Mr. T. C. Parker for an appointment and tour of the laboratories, and ask him about the new three year program to be introduced in the fall of 1975. If the need to hold a part time job is important to you, or if you would like to move at a slower pace and study your courses in more depth, you may be interested in the half day, three year proposal that is a first in Western Canada.

## Landscape Architecture

Landscape Architecture is one in the broad group of disciplines in the area of site planning and development. Other professionals such as architects, urban and regional planners, and engineers are also involved in certain aspects of site planning. A need for trained technical personnel in the broad field of Landscape Architecture has been expressed by several of these professions in Alberta.

To meet this end NAIT is prepared to offer a 2 year Diploma program for Landscape Architectural Technologists. Students who have completed the requirements for the 1st year program of similar studies in Alberta Colleges or Institutions

may be eligible for the Landscape Architectural Technology option. All others must complete the common 1st year Architectural Technology program. Students would be eligible for a Diploma upon completion of the 2nd year option - Landscape Architectural Technology program.

The graduates of this program would be thoroughly and practically prepared for employment as Technologists for Landscape Architects in both the public and private sectors. In addition graduates may find self employment in Landscape and Nursery-oriented businesses, areas which are expanding rapidly.

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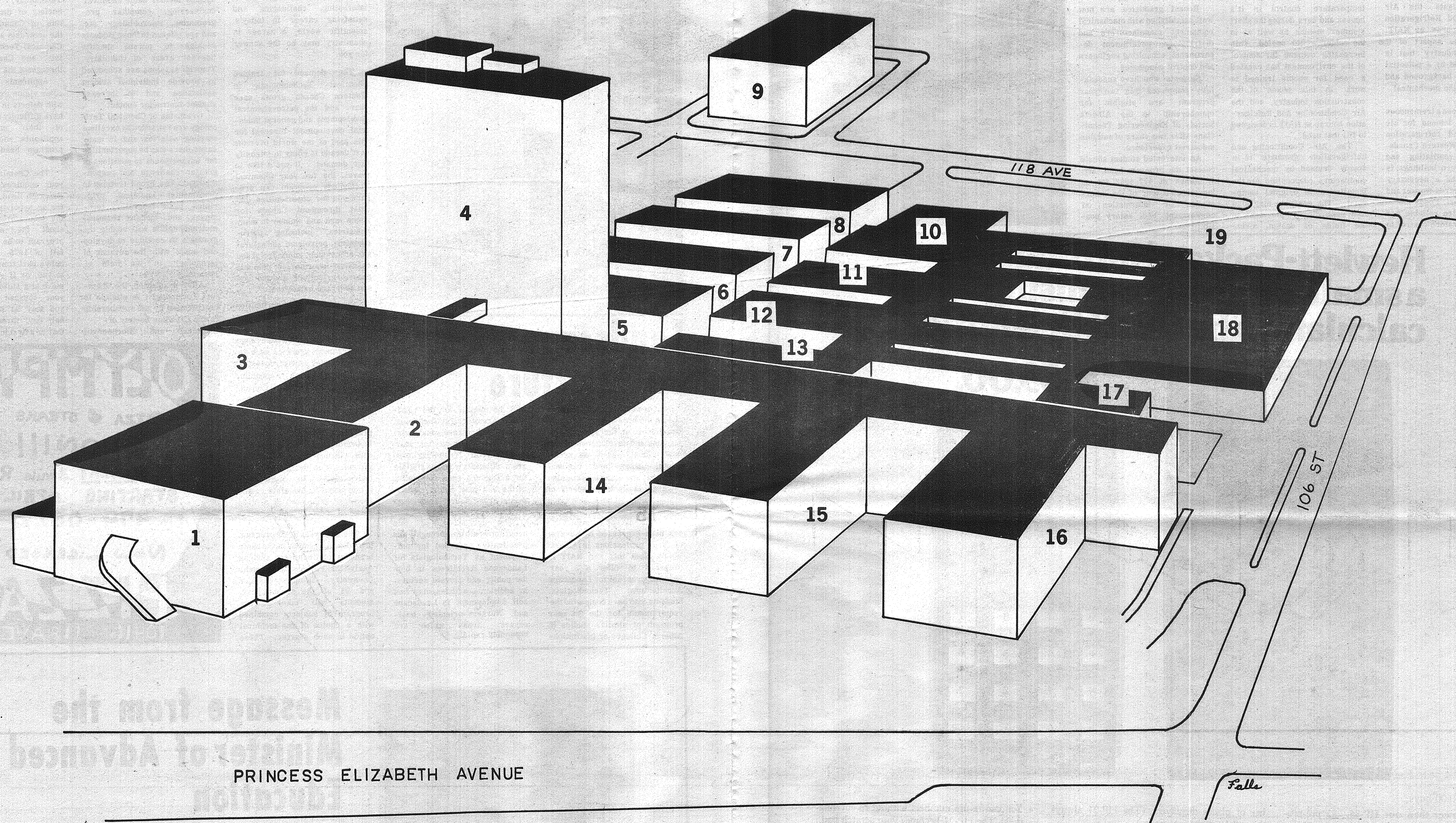
## Message from the Minister of Advanced Education

*I take great pleasure in welcoming guests to the Northern Alberta Institute of Technology on behalf of all students and staff. I know you will be impressed by the facilities you see, and even more impressed by the work being done by the students and instructors.*

*NAIT has an international reputation as a centre of excellence, and I am proud to extend my best wishes on the occasion of the annual Open House.*

James L. Foster,  
Minister of Advanced Education.





1 Students Activities Building  
 2 J-Wing  
 3 Gym  
 4 Tower Building  
 5 Services Building

6 Welding Building  
 7 Mortar Trades Building  
 8 Industrial Annex Building  
 9 Car Parking  
 10 Construction Wing

11 Metals Wing  
 12 Electrical Wing  
 13 Food Services Wing  
 14 Electronics Wing  
 15 Science Wing

16 Medical Wing  
 17 General Offices  
 18 Auto Diesel Shop  
 19 Staff Parking



## Air Conditioning and Refrigeration

If you're interested in preparing yourself for a meaningful career in the construction industry in Western Canada, you should investigate the Air Conditioning and Refrigeration Engineering Course at NAIT.

This is one aspect of the construction industry that is often overlooked by a potential student with a background and interest in the mechanical side of building.

There has been a tremendous growth in the demand for air conditioning and refrigeration in buildings in Western Canada. The heating, ventilating and cooling of modern buildings is now accepted as a necessary contribution towards worker and customer comfort. Foods and beverages require reliable and accurate temperature control in

their processes, storage, transportation and distribution. Even in our northern climate that public is now demanding better temperature control in its houses and cars during the short summer months as well as in the colder winter period. This increasing demand for control of the environment has created a need for people trained to work in this phase of the construction industry, and the Air Conditioning and Refrigeration course at NAIT is designed to fill that need.

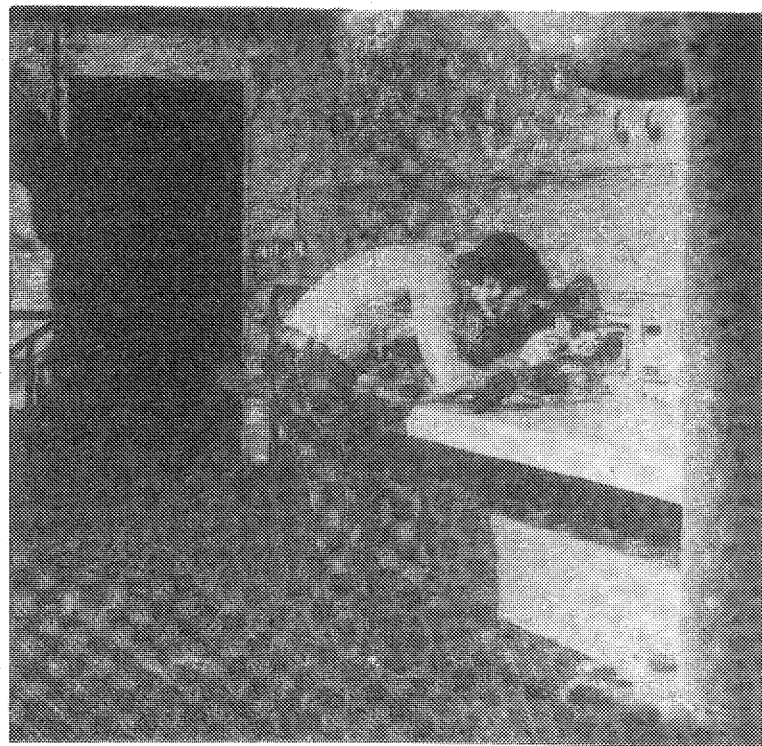
The Air Conditioning and Refrigeration graduate is in steady demand by mechanical contractors responsible for the installation of original equipment. The graduate may also find rewarding employment in the fields of design, main-

tainance and sales of refrigeration and air conditioning equipment if this is where their interest and talents lay.

Recent graduates are now well established with mechanical equipment manufacturers and distributors, government departments, consulting engineers and control companies.

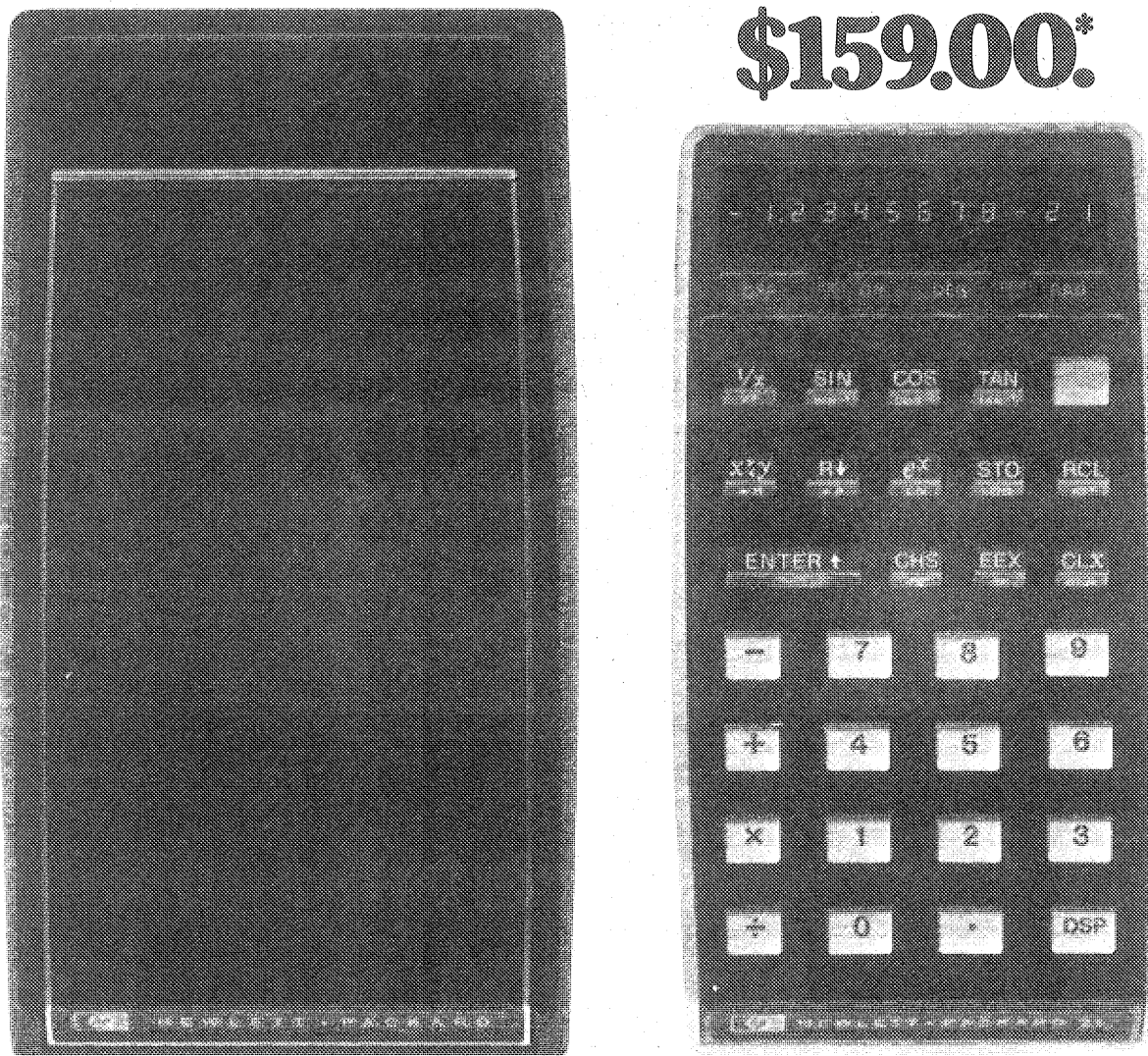
Students who have successfully completed this two year program are eligible for membership in the Alberta Society of Engineering Technicians after two years of suitable industrial experience.

An interested student should contact the program head, Mr. J. Aanen at 477-4362 for an interview, a tour of the laboratories or information on employment and salary possibilities.



## Hewlett-Packard introduces a smaller uncompromising calculator: the HP-21 Scientific.

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- calculate a common antilog ( $10^x$ ) with a single keystroke.

The HP-21 also performs all basic data manipulations ( $1/x$ ,  $y^x$ ,  $\sqrt{x}$ ,  $\pi$ ) and executes all pre-programmed functions in one second or less. In sum, it's designed to solve tomorrow's problems as well as today's.

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ber of places displayed. (The HP-21 always uses all 10 digits internally.)

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\*Suggested Canadian retail price, F.S.T. included.



## Surveying Technology

Working with the Surveying firms who hire the graduates of this program, NAIT has evolved something new and exciting in the way of training rewarding career.

A combination of in-school instruction in the basics of the practice of surveying coupled with in-the-field service with actual surveying firms at the going rates of pay is being introduced this fall to Surveying Technology Students. You are invited to enquire about the details by phoning the Program Head, Mr. D. Barnett at 477-4345.

Tremendous growth within recent years in the development of natural resources in the exploration and mapping of new

areas, in the construction of engineering works, and the development of settled areas, combined with radical changes in surveying techniques and equipment have created a great demand for the qualified surveyor. As land for expanding cities must be subdivided and topographical and geological features must be explored, surveyed and mapped in such industries as oil, mining, engineering, irrigation, and power, the employment opportunities for surveyors are not only numerous, but extremely varied. Graduates of the Surveying Technology program may choose employment with private legal surveying or consulting engineering firms, with gas, oil construction or utility com-

panies, or with Federal, Provincial or Municipal Departments. Within these areas, the graduate may be involved in exploration of natural resources, road and building construction, mapping, or geological geophysical, legal, mine topographical or hydrographic surveys.

The objective of the program is to train the student in the various skills of surveying in order that he may obtain gainful employment in surveying or a related field. The program provides the student with a proper foundation in technical knowledge, one that will not only furnish the basis on which his initial specialization and interest can be built, but also one which will provide him with the ability to face new situations in light of the changes taking place in the surveying industry. Typical survey problems are worked out under actual field conditions and then computed and recorded in plan form using knowledge gained in the mathematics, science, technical specialty and auxiliary technical courses.

Graduates are eligible for membership in the Alberta Society of Survey Technicians and Technologists, the Alberta Society of Engineering Technologists, and the Canadian Institute of Surveying. These organizations are established to keep survey personnel abreast of new developments in the field, and to allow classification of personnel according to education and experience.

The student should be prepared to spend an average of \$100.00 per year for books and supplies. A list of required texts and supplies is supplied to the student at registration. All required books, stationery and instruments are available at the Institute Bookstore.

## Medical Laboratory

So you fancy being a glorified cook or possibly being able to crave a roast right? Are you a hypochondriac in disguise? Then Med Lab is the Place For You!

Such courses as:  
Serology - cooking up many great recipes.

Histology - carving a roast or finding a new color to dye your hair.

Clinical Chemistry - a playground with sophisticated machines.

Bacteriology - the place for the hypochondriac; many strange and wonderful diseases are yours for the asking!

Blood-Banking - for any mid-night vampires.

Urinalysis - makes you really appreciate your perfume.

Hematology - only for those who are good at counting on their toes or have more than ten fingers for white blood cell and red blood cell counts.

Whatever your fancy, be sure to come and see us and find out the truth behind this paramedical society.

Med Lab is only one year at school and is a lot of hard work. Once in awhile we get away from the daily routine and occupy ourselves with outside activities.

Each year, around Christmas, NAIT Med Lab students and teachers, technologists, student technologists and various other officials from the Edmonton hospitals, get together for a banquet.

I'm afraid you the public usually see Med Lab technologists at their worst; at the end of a syringe and needle! But

we do use the blood we take from you! Hematology, a major area of the laboratory, is based primarily on the analysis of cellular components of blood. Clinical Chemistry deals with another aspect of blood, namely the major components of serum of plasma.

Then of course there is the Blood Bank department which many of you help to keep alive by your donations. This area of immuno-hematology, as it is now called, had taken many great strides in recent years and is developing at a rapid rate.

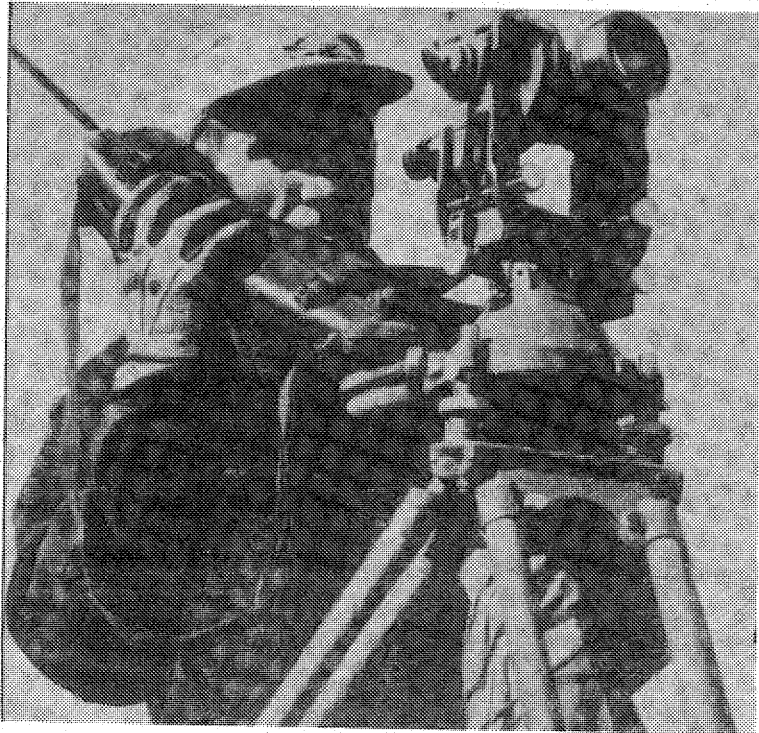
But in case you think we have a preoccupation with blood let me introduce you to some other areas of the medical laboratory.

Urine one of the most easily attainable specimens (in most cases) is the basis for an area called Urinalysis. This area may help greatly in the diagnosis of disease.

Bacteriology is a broad area which covers the study of disease-causing bacteria, as well as parasites and ova sometimes found in living things. It is helpful in tracing down bacteria-associated diseases and as an aid in their treatment. Also in this area is Histology, which is the study of tissue for diagnosis of disease states. It is a very exalting subject.

For a better understanding of this large technology, come down and see us in F-Wing on the main floor.

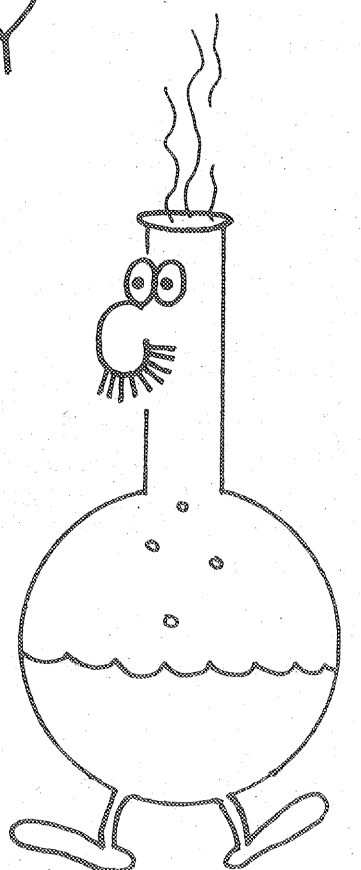
Oh! We mustn't forget the planning and organizing for Open House. It was such fun to do. We hope you enjoyed it.



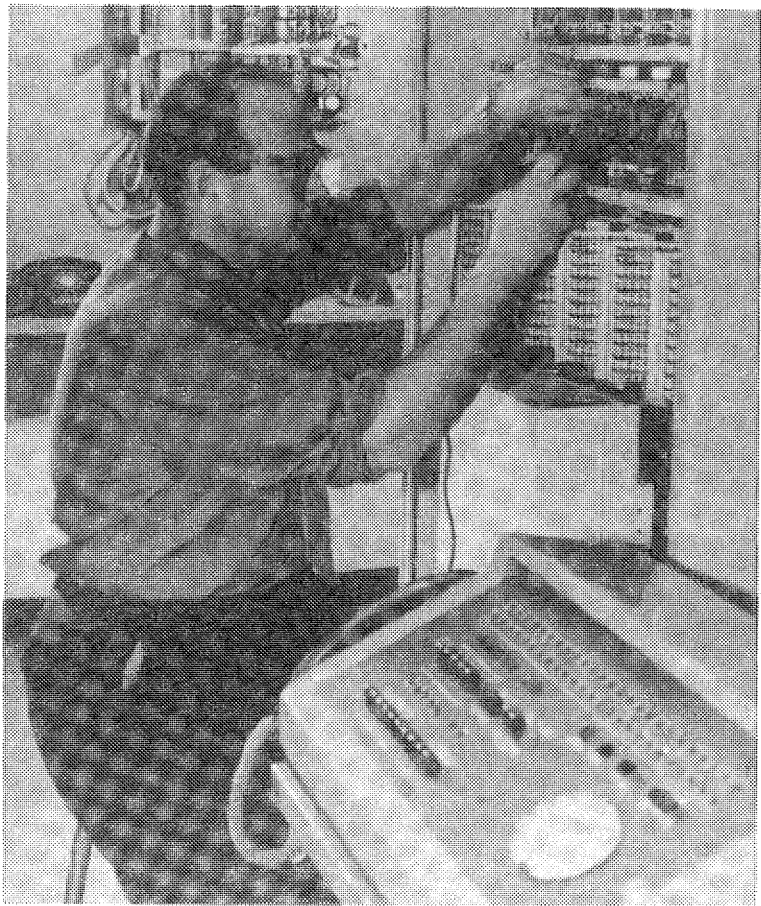
## SEE THE SPLENDORS OF CHEMISTRY

GLASS BLOWING  
POLLUTION CONTROL  
PHOSPHATES  
WHAT IS PH SHAMPOO  
MAD SCIENTISTS  
COPPER IN PENNIES  
ACTION AND EXPLOSIONS

OPEN HOUSE IN  
THE SCIENCE WING  
CHEMICAL TECHNOLOGY







# Telecommunications

Two years of training at NAIT can prepare you for a challenging and satisfying career in the world of telecommunications.

The Telecommunications Technologists works in the broad field related to the originating, switching and transmission of messages. The message can be voice, data, or video information. The program is specifically designed to produce a technologist/technician for the Common Carrier's application.

The Institute Laboratory facilities include modern telecommunication equipment ranging from basic electronics labs to telephone instruments, switching, multiplex, transmission, logic and computer data systems. All systems are operational and arranged as found in the telephone industry.

Students registered in this program are eligible for student membership in the Institute of Electrical and Electronic Engineers.

Graduates are eligible for membership in the Alberta Society of Engineering Technologists (ASET).

Graduates who may be interested in obtaining Journeyman's status as a Communications Electrical Tradesman are referred to the Provincial Apprenticeship Board for clarification of the regulations.

Employers of graduates include: operating telephone companies, equipment manufacturers, equipment installation

companies, computer service organizations and utility companies.

Initial work assignments may be in telecommunications equipment operation, maintenance or installation or as technical sales assistants, engineering technicians/technologists, or specification writers.

The telecommunication industry offers excellent employment opportunities in Western Canada.

The Telephone industry will not in general accept employees who are color build.

The cost of books, tools and other supplies will be approximately \$100 per year.

## Teller Training and General Business



If you're looking for a one year program that will train you for a well paid, interesting position in the world of finance, you should investigate the Teller Training and General Business Course offered at NAIT.

A strong demand for personnel trained in all facets of the handling of cash has created many opportunities in banking and general business for graduates of this program.

For more information, or for a personal conversation and tour of the teaching facilities, interested students are encouraged to call the Program Head, Mr. J. Holowchak at 477-4301 to arrange for a convenient time.

The student is given a good business foundation through courses such as Accounting, Business Communications and Business Mathematics. Emphasis is then placed upon developing skill at handling cash and operating various machines.

The student has the opportunity to learn banking procedures by practice in processing entries similar to those of a branch office in a simulated banking operation.

Employment opportunities are to be found in such positions as bank teller or related duties, and also in office work, cash control, and in many other areas of general business. Opportunities for advancement are excellent. Graduates may expect to receive a starting salary of \$500 per month.

The desire to give pleasant, courteous service, to work quickly and accurately and to get along with people are prerequisite.

**you can  
make it  
happen...**

**... we can help  
make it happen.**



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# Tennis Anyone ?



CONTINUING EDUCATION ASSISTANT DIRECTOR CHARLIE SCHROEDER LEARNS ALL ABOUT NAIT'S NEW TENNIS MACHINE, FROM TENNIS INSTRUCTORS JULES OWCHAR, REEVES AND BOB BUCHAN (L. TO R.)

"Join the in group and play tennis." This seems to be the attitude currently prevailing in Edmonton and North America in general.

Tennis allows the individual to improve his or her fitness level and make social contacts and the wonderful thing about the game is it is not time consuming.

The Northern Alberta Institute of Technology has four indoor tennis courts. Starting on March 25, 26 & 27 the Physical Education & Leisure Department through the offices of Continuing Education is offering a ten week evening Learn to Play & Improve Your Tennis Game program.

This program involves ten one hour lessons once a week. The cost is extremely reasonable at \$16.00 for the ten weeks. This cost includes the use of the facility, instruction and coloured tennis balls.

As well as this evening program, a day program is offered to the students.

The pitching ball machine pictured above is very versatile. It can not only be used for tennis but can also be utilized as a baseball pitching machine. This acquisition of this machine will add a new dimension to NAIT tennis program.

The Staff, seen above with the new tennis ball pitching machine

are very well qualified as they all teach tennis in the day program and play alot of recreation tennis.

The tennis co-ordinator at NAIT is Bob Buchan, a native of Australia where tennis is a major sport. He has a great deal of experience in coaching and playing this booming sport. He is very impressed with the NAIT indoor facilities. However, he is hoping that if construction is technically and economically feasible in the near future outdoor tennis courts may be a part of the NAIT campus. This would permit students and general public Summer & Fall programs to be established in addition to this very attractive indoor winter program now being offered.

Get a jump on the tennis season and participate in this NAIT evening indoor program.

## RESEARCH

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# Neptunes end one year and begin anew

By CRAIG RUSSEL

The NAIT Neptunes training sessions are now over and another year for the club is about to end in one sense of the word and just begin in another. From now on its work on open water activities and that's going to be pretty tough considering the condition of the lakes around the Edmonton area. For the time being the Neptunes will be meeting every Thursday night at 7:00 p.m. in the NAIT

pool to practice open water events and any interested sport divers are welcome to come out and practice. At the same time a little murder ball will be played (the NAIT Canoe Team better watch out) as well as some under water hockey.

At this time I would like to say thanks to the NAIT Staff Advisors for all their assistance: Reg Hodgson (Audio-Visual manager) Ross Prelwitz (NAIT Pool man-

ager).

Many times Ross would help on technical matter I was not totally familiar with, and very special thanks to Reg who would come through in the nick of time with specific handouts on class materials.

Also I must say thanks to Scott Lyons who started out as co-instructor of the course but was claimed by the Alberta National Ski Team mid way through; tough luck eh!



Top Row: Bruce Christenson, Greg Boran, Randy Richol, Val Lewis, Jim Lewis, Peter Burnett

Bottom Row: Phil Steingraber, Barb Hansen, Howard Hart, Doug Davis, Wayne Borday,

## DR HOOK & THE MEDICINE SHOW

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Field

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Wing A Wing

Metals  
Wing A Wing

Electrical  
Wing A Wing

Food  
Services Wing B

E Wing

J Wing

Electronics  
H Wing

Science  
G Wing

Medical  
F Wing

Public  
Parking

Public  
Parking

Construction  
Wing A Wing

Metals  
Wing A Wing

Electrical  
Wing A Wing

Food  
Services Wing B

E Wing

J Wing

Electronics  
H Wing

Science  
G Wing

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F Wing

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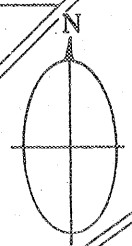
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