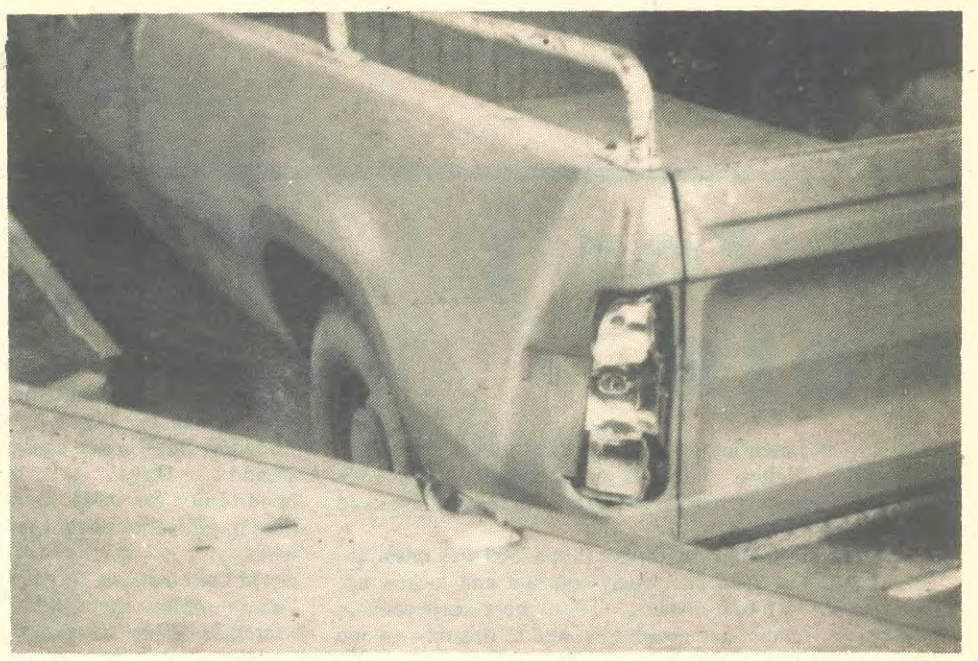
Pubtimes & Beerfests are Lost



by Linda Hause

At the last activities meeting on Wednesday, March 18, 1981 a motion was passed unaminously that "Beerfests and Pubs be suspended for the remainder of this academic year."

At the pubtime on March 13, 1981 there was approximately $1700 damage, as well as numerous fights. Over the past five years approximately $50,000 of damage has occured during on campus student functions.

It was felt by the activities committee that the problem is attitude more than anything else.

Nait students seem to feel that pubtimes were designed to provide students with a cheap drunk, they were actually designed to provide a place where fellow students could meet and enjoy each others company over a beer or two.

The activities committee does not feel that it is their responsibility to keep the students at pubtimes under control, they do not want to become big brother.

Although it is only a few students at pubtimes who do cause damage the rest of us show our irrisponsibility and apathy by watching and allowing these students to behave in a manner that is both despicable and destructive of privileges previously enjoyed by Nait students.

Pubtimes and beerfests may return in September, but only if the students show they are responsible enough to respect the rights and property of others.

the NUGGET

NORTHERN ALBERTA INSTITUTE OF TECHNOLOGY
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the NUGGET

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Editor's Note

Last week I mentioned that we, the students, are never informed by Naitsa. There is more evidence that tells us, Naitsa has more power and no use for the students and their dollars.

It was noticed after a pubtime that $2500 was missing. The money had been previously counted and locked up, but later it was found missing. There were suspects that were subjected to a polygraph test, and to this day no one knows where the money is.

What bothers me, is the fact that Naitsa had no intention to tell the students that there was money taken. They apparently thought it was safer not to tell the students that some of the money they spent was missing.

At this time Nugget would like to extend greetings to those who have come to the Nait Open House. I can assure you there is a lot to see and do. A lot of attention is spent on the academic quality, that Nait prides itself on, but their is a lot more going on behind the scenes. Thoses scenes include pubtimes, ski trips, a chance to join various clubs, and of course, the student paper, the Nugget, and much more. There is definitely a lot to do. I hope you enjoy your visit and have more luck than the shamrock.

Gene Thiel

VOTE!
NAITSA
ELECTIONS
on
Friday, April 3

Polling Stations:
2nd Floor Tower Building
Entrance to Cafetorium
Plaza II Kiosk

AMS NEWS

For AMS members, March and April are busy months. From March 23 - 27, we have "Shadow Days" once again. Shadow Days is an opportunity for AMS members to get some insight into what goes on in the "real world" of business. A day is chosen within the week of March 23 - 27 to "shadow" a business person in Edmonton. There is a list of managers now up in the AMS office to look at. If you are interested come up between 12:15 - 1:10 and have a look. Next on the list of activities; April lst Chapter Dinner Meeting. This will be our chapter's dinner meeting and will be in the new cafeteria here at NAIT. Since the meeting follows our Shadow Days, members who were shadows are asked to invite their sponsors. The dinner will start at 6:00 p.m. and cost will be $6.50. Our speaker is from IBM so come out and get involved. Elections!! AMS elections for the positions of President, Vice-President, Secretary, Treasurer, and Information Offices, are coming up soon. Our election week is April 6 - 10 with voting day set as the 10th. Come in and see the present executive if you are interested or would like more information.

Now that the first year students have received their information packages outlining second year courses, their heads must be spinning. If you want some information on the second year courses, come to the office (T603A) and we'll do our best to help you out. Since the end of the year is near, we would like to clear up some unfinished business. Anyone that still has Christmas stationary out, PLEASE return money and unsold sets.

People involved in cards who have not brought them back are: Karen Damgaard, Joel Vincett, Mike Koury, Ted Soutar, Dave Goertz, Winnifred Smith, Roxanne Klassen. Please bring the sets in as soon as possible.

Finally, are you interested in renewing your membership for next year? If you find that $12 at the beginning of September along with all the other expenses is too much, renew your membership now.

Secretary
Shelly Jones

Letter

Letters to the Editor:

Dear Editor:
Is it possible to get the president of NAITSA to write up a small column for the Nugget? Maybe students could see then what NAITSA has done this year and what they're going to do for the next two months. My friends and I are interested to know where they've applied their funds. I hope they realize students like to see where the money is going!
Yours, Carol Dean

NUGGET COMPLAINT FORM
Please give full detail.

Print Clearly and Legibly

Sign of the Times

by Greg Barrow

It is unwise to neglect the most profitable and necessary things of life and choose the most harmful things.

This statement seems rather obvious and clear but I find it rather amazing how people will labour and plan for short term rewards but they will scarcely move an inch for God who Promises Eternal reward.

What reward does God promise to his children?

Among many rewards promised, the most important is Gods gift of eternal life to those who believe in Jesus Christ as the Son of God. Only those who believe can partake of this Eternal life. Those who die now and have died in unbelief will face God's judgement and wrath.

But how can a God of Love send people to Hell and Judge them for their sin on earth?

God is a just and Holy God. His nature has also love patience kindness etc. If you are like most people you probably liked the last 3 descriptions of God's charater better than the first 2. Nevertheless, because the Bible is plainly clear on God's justice and holiness, we can be sure that God hates all evil. He must, by his own nature, punish all evil. There are many parts of scripture which teach this. Therefore God by his own nature demands that to enter heaven we must be perfectly spotless without sin. Again it is clearly taught in scripture that no man can be perfectly righteous.

"For all have sinned and fall short of the glory of God". (Romans 3:23)

Is this not unfair of God to demand perfection when no man can be perfect? No, because he created man perfect and man chose to rebel against God in the Garden of Eden when Adam & Eve disobeyed God's only rule that he had set out for them.

God, Immediately after the fall of man began making a provision for us that we again could be perfect in his sight and therefore enter eternal heaven with God.

This Provision was God's only son, Jesus Christ. He came and lived a perfectly spotless, sinless life so that all who believe in him could share that perfect life that he lived. God says clearly in scripture that whoever believes in Christ will be seen by God as perfect, just as Christ was. This will allow us to enter heaven.

Jesus came to earth from heaven and died a most painful, brutal death even though he did nothing wrong. One the cross he asked the father to forgive the men who killed him. This is love.

"For God so loved the world that he gave his only begotten son that whosoever believes in him should not perish, but have everlasting life. For God sent not his son into the world to condemn the world, but that the world through him might be saved. (John 3:16-17)

Believe and be saved for our God is the living God and he will most surely return. I pray that you will greet him as one of his children in Christ.

Barnyard Notes

By David C. Schamber

Once upon a time, there was a Community. Its purpose was to train its Citizens to venture out into the wilds that surrounded the Community, to help and defend established communities. If they were good enough they created new communities. The Dark Forces which surrounded the Community did not like this. It resisted the Citizens who went out to design, to build, to maintain the communities. It did not like light or joy or curiousity. The Citizens were very successful at frustrating the Outside and much pride was taken up by the Citizens.

The Citizens began to let up in their vigilance against the Dark; they became complacent in the past achievements of former citizens. They began to view the wild as not so big, not so cruel, not so dangerous. They forgot that the Outside had always been there and that it was the home of the Dark Forces. The Citizens forgot that their purpose was to keep the light shining not only in their own Community, but countless other communities which counted on them for technical aid. The Outside waited outside the doors.

The Outside did not need to win by brute force or size alone. It had patience on its side. It waited till the Citizens became complacent and soft. The Outside nutured this complacency for it knew it was cooking its own supper.

Slowly, insiduously, the forces of right and power assumed control of the Community. It occurred slowly, hidden from the gaze of many of the Citizens. They went dutifully about their business in the Community, content in their momentary safety as they prepared to do battle in the wilds. But the Dark Forces outside were radioactive, piercing the safety of the citizens and doing them irreparable damage.

The Community was organized as a democratic society. Its Citizens elected leaders to care for them, to give them circuses and beer. They participated in the activities of the Community for it was from these activities that they gained the experiences and knowledge which would be so valuable in the flight against the Outside. The Dark Forces swallowed many citizens whole and left no trace of bones. Participating in the Community allowed the Citizens to develop many skills to make them strong and able to fight the forces of Dark.

The Citizens of the Community began to be spectators instead of participants. The past achievements of the Community was lulling the Citizens to sleep. The Outside was more insidious than ever suspected. It conquered from within; beating it back was only a Pryrhic victory. As the rays of the Dark Forces took the will of the people away, the people continued to wallow in their self contentment. They took no notice that their democracy was being turned into a front, a puppet government. They did not see that they were no longer making the decisions, the decisions were being made for them. The Outside found nothing more delicious than former Citizens who didn't make decisions. The Citizens did not see that only a few of their fellows were contributing to the Community. The Outside found them the second most delicious thing on its menu.

The Outside lived off the weak and fat Citizens who wandered about blindly in the forests around the Community. The Outside grew fat and fatter. It craved more citizens. It increased its attack on the Community. The elected leaders finally achieved a fascist control of the Community. There was only a few who now made the decisions and organized the circuses. And the Outside gobbled them all up.

It is a law of nature, more basic than Light or Dark, that a monopoly is doomed to decay under its own weight. The Outside has cornered the market on Citizens, it had no counter balance. The Outside began to decay and fall apart. Plague spread throughout the land.

The sun rose again. There were bones everywhere, in the Community, in the forest, but there were no Citizens.

Sports

Open House Special

Racquetball and Squash Tournament

This is just a reminder to enter the tournament. The Squash deadline has been changed from March 11, 1980 to March 13, 1980.

Racquetball Categories

Mens Open
Mens Novice
Womens Open

Squash Categories

A Expert
B Intermediate
C Novice - Men
D Novice - Women

In each category there will be awarded 3 plaques. Balls are provided for each sport. Food and pop are also provided.

In Squash, everyone is guaranteed 2 matches, (best of 5 games).

For Squash the Winner of the match must referee the next match on the same court. If you do not know all the rules, or if problems occur during the match, ask Brent McFarlane for clarification.

The novice women will have an opportunity to win Squash racquets as well.

NAIT/Celtic Soccer Team

The NAIT soccer team is currently undefeated after nine second division league games in the Edmonton and District Soccer Association Indoor League, played in the Kinsmen Field House, the only team of any division to have maximum points at this stage.

Try-outs for the team were held last September, and the team played a series of exhibition games outdoors against Polonia of the first division, Grant MacEwan Community College, and the U of A Golden Bears, before moving indoors.

Steve Fabiyi, a Nigerian Food Technology student in his second year, is leading scorer with nine goals. Goalkeepers, Mike Kverth and Mark Damato, share a record of less than one goal against them per game, giving the team an excellent record of thirty-four goals for and eight against in nine league games.

Manager of the team is Stuart Brown, a dental technology instructor and a qualified Canadian Soccer Association coach. Team coach is John Walker, also from Dental Technology, and an English and Canadian qualified coach and serves as an Alberta Soccer Association Staff coach.

This Easter, the team has planned some exhibition games against keen competition in Vancouver and are looking forward to that challenging trip. For the 1981 - 1982 Indoor season, they have gained promotion to the first division, and will hold try-outs this September.

Sport Activities

To many people, athletics seem to be an object of I don't have the time or I don't think I'm good enough. At NAIT there is no excuse because we have one of the most diversified intramural programs in Alberta. Intramurals are those sports which are played purely for fun and exercise. This is not to say that there haven't been some heated battles between rivals like marketing and Admin. Man. Because with any game there is always some competiveness. However, unlike intercollegiate activities once the game is over things start to get back to normal because there isn't really that much on the line. A large part of the athletics budget is channelled into the I-M program because that's where most of the athletes are. With proper funding we can ensure that students will have protective equipment to participate in any activity we offer. Since everyone is just out to have a good time, it would be silly to not supply enough equipment and have someone injured. There are numerous activities to compete in. Rather than list them all here, why don't you look into the different ones when you receive your activities calendar at the beginning of the year. The best part about intramurals at NAIT, is that if you don't have or can't get enough people from your own technology, but still want to participate you can do so as an independent. All you do is enter your name and note on the entry form that you are the only person in your tech who wants to participate in the certain activity and you will be placed with some other independents or on another team. The whole key to intramurals is that you get involved. Not because we're asking you, not because we need you to ensure a successful program, but because it's just plain fun. NAIT intramurals, "For the fun of it."

NAIT'S Intercollegiate Basketball Program

Men's and Women's basketball teams from NAIT compete within the Alberta Colleges Athletic Conference (A.C.A.C.) a divisional conference of the Canadian Colleges Athletics Association (C.C.A.A.). NAIT teams compete against eight other Alberta College teams in conference play; Red Deer College, Camrose Lutheran College, Grande Prairie Regional College, S.A.I.T., Mount Royal College, Medicine Hat College, Lethbridge Community College and Grant MacEwan Community College. The high calibre of basketball in the A.C.A.C. has made the conference one of the toughest and most competitive in Canada, producing several championship teams in past years.

NAIT offers an outstanding basketball program to those who wish to strive for both athletic and academic excellence. Our teams play in excess of thirty games each season between October and March. League play includes a pre-season tournament, home and visiting games against each college and playoff games for the Conference Championships. The exhibition season is highlighted by travel to tournaments in Saskatchewan and British Columbia and the hosting of NAIT own "Blue/Gold Classic."

NAIT offers its athletes first class facilities in which to further their basketball skills. NAIT's gymnasium rates as one of the best in the conference and features a well-equipped Athletic Injuries Clinic. NAIT teams are always outfitted in top quality practice and game uniforms.

The development of NAIT's basketball program over the past few years, is largely due to the effort of third-year men's coach, Dave Hoy and women's coach Gregg Meropculis.

Both graduates from Masters programs at the University of Alberta and have become extensively involved in the coaching development program at the technical and theoretical levels. Dave is currently the head coach of the Provincial Junior Basketball team which will represent Alberta at the Canada Summer Games this year.

V-Ball Teams Competitive in San Diego

NAIT volleyball teams had some very close action packed games against their San Diego hosts Grossmount Junior College. In their first game against Grossmount, NAIT men lost a close one 3 games to two games; score 14 - 16, 15 - 10, 15 - 7, 7 - 15, 15 - 13 and in the second match against this college, they again lost in a games match; 15 - 8, 15 - 10, 10 - 15, 16 - 14. In womens play, their best performance was on Thursday evening when they were defeated in a long draw-out match three games to one. As the games' scores show, every game was close and although the match went against NAIT, with little luck, NAIT could have won this match. The score for Grossmount was 15 - 13, 13 - 15, 15 - 12, 17 - 15.

In mens play against the International University of San Diego, NAIT men fought all the way but were not up to this university team. They were beaten 15 - 12, 15 - 10, 15 - 12, but put up a very respectable performance as the score shows. This San Diego team consisted of players on full scholarships. Our womens team played a combined university team which included two members of the United States National Volleyball Team. Our womens team was not scheduled to meet such a powerful team, however, when the opportunity arose, we accepted because our girls would never get a chance to play against any team as strong as this again.

Our girls were obviously the under dogs in this match but accepted the challenge and played magnificiently, they were beaten 15 - 12, 15 - 7, 15 - 8. This is an excellent result considering what was on the opposite side of the net. Maureen Pelland of Computers, raised the eyebrows of the San Diego State volleyball scout by her magnificient blocking of the U.S. National powerhitters.

San Diego is the home of the U.S. National Mens and Womens team. It is the most developed volleyball area in the U.S.

Grossmount College proved to be excellent hosts. The appreciated the badges given to them by NAIT players. They in return provided an enjoyable social function for our team.

After the teams excellent volleyball experience in San Diego, the teams moved on to see Disneyland and play some beach volleyball at Long Beach. This was a new experience for most of the players.

NAIT volleyball teams have been invited back next year to play exhibition matches and also to play in a volleyball tournament in San Diego.

The players and coaching staff of NAIT volleyball teams would like to take this opportunity to thank all those people who supported our fund raising functions. They would also like to thank NAIT Athletic Board for its support in making this great volleyball experience possible for our NAIT teams.

Bob Buchan and Bill Dean, NAIT Volleyball coaching staff.

.1980 - 1980 Hockey NAIT Ooks

1980 - 81 Hockey season featured many highlites for the NAIT Ooks Hockey team. The teams record including exhibition and Alberta Colleges Athletic Conference games was 19 wins 15 losses and 3 ties. Included in the 1980 - 81 exhibition schedule was a 5 - 4 victory over the touring TPS Turku, Finland First Division Junior Team who captured the 1981 Viking Cup tournament by beating Prince Albert Raiders. The Ooks also played the University of Alberta Golden Bears 3 times losing all three but playing well against one of Canada's finest university hockey teams. The Ooks also travelled to Northern Arizona University in Flagstaff, Arizona where they won 2 out of three games against the NAU Lumberjacks.

ACAC play saw the Ooks make a tremendous resurgance to finish second. The Ooks record dropped to 2 wins and 7 losses as of November 30, 1980, but a great second half saw the NAIT team win 10, lose 4, and tie 1 from that point on. The Ooks were led by Wayne Perkins, their captain, a veteran of ACAC competition and former Edmonton Oil King. Perkins scored 22 goals in 22 ACAC games while adding 19 assists for 41 points good for fifth place in the league. Mike Schneider, (Lethbridge Broncos) and Dave Souch (Leduc Riggers), each had 33 points to finish tied for ninth in the ACAC scoring. The Ooks defense was lead by Rick Carriere (Johnstown Red Wings) and Marv Johnson (Nait Ooks). Rick led the defense in scoring with 4 goals and a team high 22 assists while Johnson was the club's plus minus leader plus 25 in ACAC play. Brian Panasiuk and Jim Grant split the goaltending duties for the Ooks.

The Ooks placed four members on the mid-season allstar team from the ACAC which played the University of Calgary Dinosaurs losing 6 - 4 and the University of Alberta Golden Bears losing 8 - 5. They were Wayne Perkins, Gerard Jubinville, Marv Johnson, and Rick Carriere.

NAIT Coaching Staff

Perry Pearn is the head coach of the NAIT Ooks and is in his third season with the team as head coach. He had previously assisted former coach Dale Henwood. Pearn is a graduate of the University of Alberta with a Bachelor of Physical Education degree and his PD/AD and is presently a Physical Education staff member at NAIT. Under Pearn's direction, the Ooks have finished fourth (1978 - 1979) when they upset the Canadian College Champion Red Reer College Kings in the league semi-final, third (1979 - 1980) and second in 1980 - 1981.

Assisting coach Pearn is Paul St. Cyr a counselling consultant with the Edmonton Catholic School Board. St. Cyr has assisted for the past 3 seasons with a respite for the last half of the 1979 - 1980 season when he took over as Head Coach of the St. Albert Saints of the Alberta Junior League. St. Cyr formerly played for the University of Alberta Golden Bears.

A third member of the coaching staff at NAIT is John Phelan a teacher at Salisbury Composite High School in Sherwood Park. Phelan works on a part-time basis due to a heavy commiment to coaching Salisbury (Football and Rugby). John is also a member of Canada's National Rugby Team.

1980 - 1981 ALBERTA COLLEGES ATHLETIC CONFERENCE FINAL HOCKEY STANDINGS

Name	GP	W	L	T	GF	GA	PTS
SAIT Trojans	24	21	3	0	160	86	42
NAIT Ooks	24	12	11	1	138	100	25
Red Deer Kings	24	10	12	2	115	140	22
Camrose Vikings	24	3	20	1	87	196	7

NAIT Badminton

The NAIT Badminton team came out victorious in the annual Alberta league which consists of a total of 10 Colleges. The teams of mens doubles.

Grant Pittman - Plastics I and Les Peterson - Electrical II
Mixed Doubles:
Janice Romans - Court Reporting I
Val Palm - Arch. 2
and the Ladies singles Norren Humble from Computers I won the gold medal for NAIT.

Diana Harrison (Bus II) and Manon Gauthier (Sec. II) won the silver medal. Colin Chow (TelecommII) played mens singles.

This impressive record gave NAIT and over-all team total.

The Gold medalists went on to the "4-West Championships" in Kamloops against the 3 other prairie provinces, where again they emerged as champions.

Les Peterson and Grant Pittman (mens doubles) won the Gold at the 4-West, while Janice Romans and Val Palm won a silver in the mixed doubles and Noreen Humble won the silver in the ladies singles.

The Badminton team went on to win the 4 West Badminton Championships.

Entertainment

photo by Bob Strand

The bouncers really had to earn their pay Friday afternoon. A brawl broke out just after this picture was taken.

Pubtime not so good

by Mark Zuberbuhler

What happens when you mix a crowd of approximately 80 percent guys with lots of beer, a band not worth mentioning, and Friday the 13th? That's right, you guessed it; a pubtime of no interest.

There were some good things about it. It was definitely a rowdy crowd and there was actually "Canadian" beer.

The band, "Better Days", was you basic get some guys together, invest a few bucks in a PA system, learn some commercial tunes, then go out and play some gigs type of band. Actually, their musical selection wasn't bad, except you couldn't hear them. How they ever thought two Bose speakers would be competent enough to do the job is a complete mystery to me. The lead vocalist had a pleasant voice, IF a person made the trip up to the stage and listened to her sing through the monitors. Otherwise, you couldn't distinguish her vocals from anything else.

With a new drummer since their last gig at NAIT, "Better Days" is improving. The rhythm section has tightened up considerably, however, many practice sessions are a definite must on the agenda. As I said before, their repertoire was passable wih the usual dance tunes being played to get everybody up on the dance floor. With regards to style or originality, this band lacks both. Maybe I'm being too hard on them. Perhaps all they want to do is jump up on stage and play some music. There, I was nice to them.

There was far too many males at this pubtime, therefore, all it was good for was drinking some beer and shooting the bull with the boys. Due to the small number of females in attendance, in frustration, the males resorted to violence. As a result, some people went home with bloodied faces and wounded egos. Actually, it was funny to watch even though I will never understand the males fixation with fighting. Geewhiz, all you do is get hurt anyways.

All in all, a boring pubtime. Maybe when the next one rolls around, more girls will show up and (am I dreaming) a worthwhile band.

Travers couldn't compete

By Darc McLennan

Let's face it, the price of a concert ticket is no longer an inexpensive pleasure, right? If promoters & musicians expect to walk away with ten to fifteen dollars per head, they had better offer a first rate night of entertainment. Ninety-nine percent of the time, saving money & going to rock concerts don't mix.

The Pat Travers/Rainbow concert was no exception. I and a buddy of mine who lives with cerebral palsy and is confined to a wheelchair, attended this concert for $11!! As the D.A.T.S. bus was late in picking us up, we missed the performance of "Pretty Rough." Like most of the 7,500 fans we were there to see Ritchie Blackmore. We were both familiar with Rainbow, but not familiar with their music.

The band is quickly setting a record for changing personnel, so fast 12 musicians have come and gone since the groups inception in 1975. This may be part of the problem. To begin with, Rainbow achieved success in England and is one of the most popular bands in all of Europe. In North America, due to the lack of exposure, rock fans associate "Ritchie Blackmore" with the legendary "Deep Purple." Therefore, Rainbow, led by Ritchie Blackmore is obscure at best to many North Americans. In addition, how can any band regardless of stature retain a sense of direction or a measure of cohesiveness with so many changes in personnel. It's no secret that Ritchie Blackmore is one of the most stubborn, self-centered musicians in the business. His colleagues end up abhorring the man.

As for the performance of Rainbow last Saturday, all I can say is that they better put their new lead vocalist, Joe Lynn Turner, under lock and key. His performance was no less than amazing. Rainbow and Blackmore in particular held the crowd in mesmorisation for their entire 60 minute set. Blackmore is a formidable a guitarist now as he was with "Purple." A lot of their material was from their latest LP (Difficult To Cure), However, they had little trouble in running the gamut from their early material to the present. Highlights included their new single called "I Surrender," two standards from earlier LP's (Song of Joy) (Man On The Silver Mountain), and their closing number "Long Live Rock & Roll." All in all, Rainbow did a fine job. OVER

Emmylou is dynamite

by Brian Stein

One of the best female vocalists in country music today, Emmylou Harris, made two appearances at the Jubilee Auditorium on Tuesday, March 10. The Burmingham, Alabama native rose to stardom in 1975, when her remake of Buck Owens' "Together Again" topped the charts. Since then Harris has depended on bringing back hits of years gone by to make them top the charts once again, or by finding a new song that will become a classic in the years to come.

Her selection of material ranged from her latest albums, to that of older material which first brought her to the attention of country music fans everywhere. From her latest album, "Evangeline," she did flawless performances on the old Pat Ballard composition "Mister Sandman," and James Taylor's "Millworker." Also in the first show she did her top ten singles of 1980. "The Boxer" and "Wayfaring Stranger" which were pulled from the "Roses in the Snow" LP.

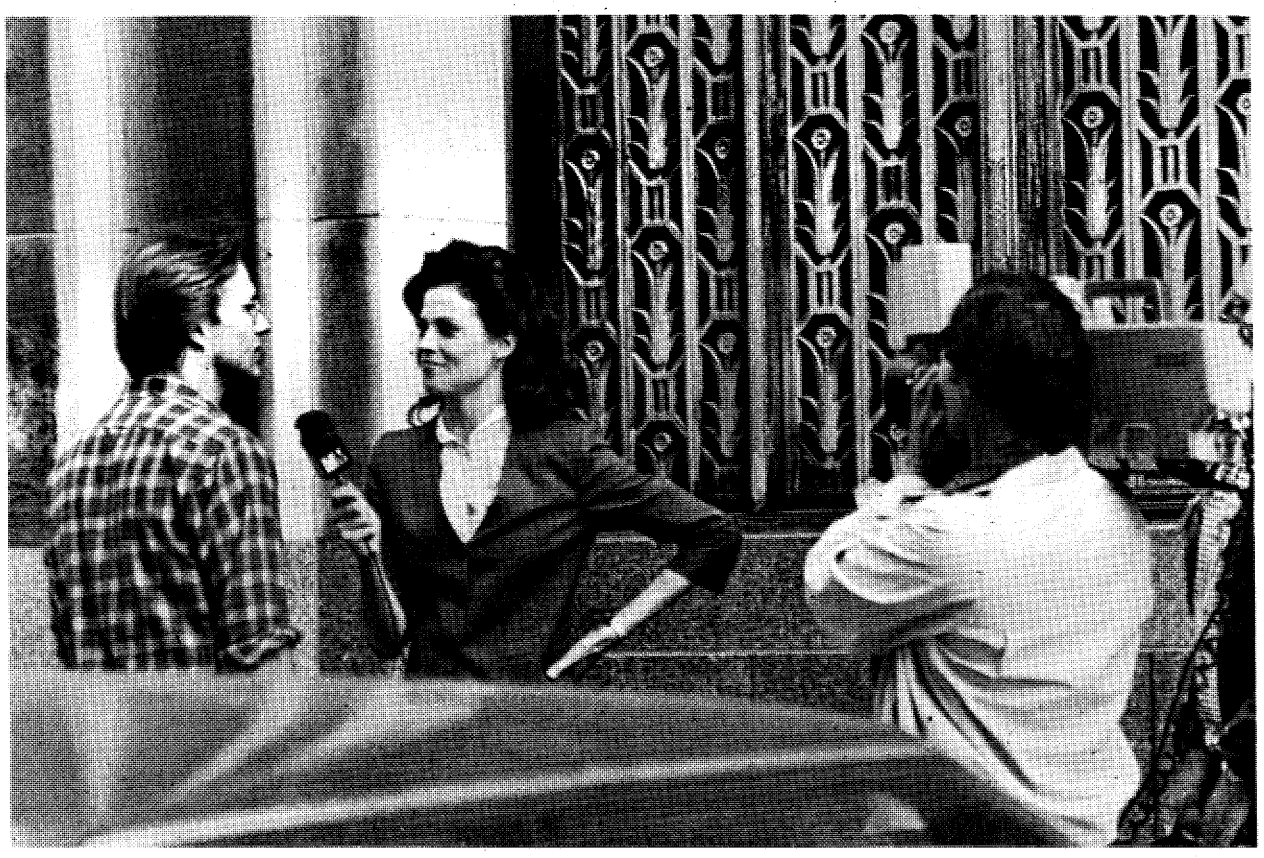
Her older material included touch tunes such as the Kitty Wells hit "Making Believe," an "One of These Days." From the "Luxury Liner" and "Elite Hotel" albums respectively both of these were top ten singles for Harris in the mid '70's. She also displayed great form on uptempo selections of "Two More Bottles of Wine" and "Leavin' Louisiana in the Broad Daylight" from the "Quarter Moon in a Ten Cent Town" LP. Incidentally, it was after the Oak Ridge Boys heard Harris and "Leavin' Louisianna in the decided to record it. The song was pulled as a single and made No. 1 on the country charts.

The best performance of the night were two compositions from the Grammy Award Winning Album of 1979 "Blue Kentucky Girl," "Sister's Coming Home." It was on these selections, that her back-up group the Hot Band stood out.

The Hot Band is a collection of musicians who are experienced and versatile. The stand-outs in the seven member group are keyboard man Don Johnson, lead electric guitarist Albert Lee, and base player Emory Gordy. On a side note, steel guitarist and dobro player Steve Funhill did a magnificient job all night.

To wind up the first snow, Harris and the Hot Band did her popular rendition of "C'est La Vie (You Never Can Tell)." However, the crowds' response was overwhelming, and Harris received two standing ovations. In her first encore, Harris did two cuts from the 1975 LP Elite Hotel, the Don Gibson composition "Sweet Dreams," and a song she wrote with Rodney Crowell "Amarillo." In her second encore, Harris slowed the pace down with "Boulder to Birmingham," a song she composed herself.

The only disappointments of the night was the failure of the Hot Band to do one or two short selections as a warm-up before the appearance of Harris. In addition, the one-liners were not suited to the crowd in attendance.



Eyewitness not a thriller

by Bob Strand

Eyewitness is about a young janitor who becomes entangled in a murder. He may have witnessed the murder and is chased by persons unknown. A glamorous reporter sent to cover the story becomes involved with the janitor.

William Hurt plays Daryll Deever, an easy-going amiable janitor working in a massive Manhattan office building. Each night, after his shift, he goes home and switches on his video recorder. He replays the late news which features Tony Sokolow, a reporter who mesmerizes Daryll with her beauty and sophistication.

Tony is the daughter of wealthy Jewish parents and a prominant member of New York's social elite. She has surprised and disappointed her parents by giving up music for a career as a television journalist.

One night Deever discovers a body and suddenly the woman of his fantasies enters his life. Deever hints to Tony that he knows more than he is letting on.

The two become romantically involved and that is how the story should have continued. The contrast in the two characters, Daryll's humour and sincerity, and Tony's background and glamorous lifestyle would have made a good love story. But the movie is billed as a mystery thriller so on the story goes.

The cops follow Daryll and his buddy Aldo. Tony's fiance, Joseph (an Israeli diplomat), follows her. And a couple of Vietnamese fellows follow everybody.

There are several subplots none of which add to the main story. They just slow down the action. The one red herring is so obvious that it actually takes away from the plot.

The murderer's motivation for killing the diamond merchant is weak and his reason for trying to kill Daryll is even weaker. Little suspence is generated until the very end. By then it is too late.

The movie ended quietly and everyone got up promptly to leave. No one lingered to check the credits or ponder the movie. I think that illustrates the impact of Eyewitness.

more Travers

The headline act if you could call it that, was Pat Travers. After the performance of Rainbow, Travers attempted to equal or surpass what his "Guests" had done. He failed miserably on the strength of two mediocre recent albums (Go For What You Know and Crash & Burn) plus a credible cover version of Stan Lewis's Boom Boom, Out Go the Lights. Performed live and released in the winter of 1979, Travers can hardly be considered a headline act!! The high majority of his music in indistinguishable from a lot of the deadwood we are hearing on the radio. Pat doesn't rock, he drones. His music has as much relevance as J.R. Ewing has to the Brady Bunch.

A small pocket of Travers fans offered what little support Travers received. Fortunately, Pat's set had a pair of bright moments, one being a blues number called "My Life Is Like A Song," and a credible rendition of "Boom Boom, Out Go The Lights." With those two exceptions, Pat Travers performance was to be kind, quite dull.

As I paid only $5.50 for my ticket, I can't complain about the loss in my wallet, however, paying the full price of $11 to see a band who is popular in Europe and unknown here (Rainbow) plus the highly overrated Pat Travers Band on a twin bill is absolutely ludicrous. On the whole, the concert just wasn't worth the $11 tag.

common sense and non sense

To our guys - you know who you are: We had a lot of fun & we really enjoyed you! Thanks!
Donna & Jo

Lost: 1 Hewlett Packard Fic Calculator at Plaza II, March 2, 1981. Reward and no questions asked. Apply to Dave Drown, Civil Eng. [2A]

For Sale: 1967 Dodge Monaco, V8, PS, PB, Almo St. new tires, battery. Body dented, motor in great shape. Contact Dave 929 - 6895 evenings or 427 - 9151.

Dear Joel: Need a massage ?!?
Magic Fingers

Dear Hotlips & Hotpants:
Enough fooling around.
March 21st, Saturday, Open House, IJPT display, 5 p.m.
Be there!!
R.U. Horney & I.M. Big

Dear Hotlips & Hotpants:
We cannot understand why you are after the NAIT guys when the only people who would be interested in you are sumo wrestlers.
The Broken Weight Scale

Versitile Dance Band for all Occasions "Tourist"
455-5379 or 477-6246

For Sale: 1977 Monte Carlo Landau, Black, PS, PB, PW, 350 Auto, 46,000 miles. Asking $4,000 or offers. Phone 454 - 4172

One bedroom basement suite furnished, 5 minutes from NAIT. $225/month. Includes utilities. Quiet available April 1.. Mrs. Becker 474 - 4284, 11714 - 94 Street.

NAIT Goalie # 30: I love your new haircut!
Me

For Sale - One parking pass for NAIT parkade. Good until end of May, 1981. Must sell. Asking $8. Liz or Bruce 452 - 2893

Dear Hotlips & Hotpants:
Maybe you could blow us down, but you would probably drown in our sap for we doubt you have any things bouyant enough to keep you afloat!
Lodge-Pole Pines

Words of Wisdon: There is no such thing as gravity, the Earth sucks!

Dear Hotlips & Hotpants:
Make your presence known. We want to see you. Please come to T210 on Friday, 27th at 12:10

Do you walk with your head in the clouds? Does your nose point to the heavens? Is your average 81 percent or better? If so, you are eligible for celebrity squares.
Please contact Lorne Bedard, A-2 for details.

Must Sell: 1978 550K Honda Motorcycle with Windjam, curise, back rest and tail piece. Asking $1,900. Offers 426 - 2734

Lost: One men's Timex Marathon digital watch, silver in color. Was left in the men's locker room after a floor hockey game Wed., March 11 [between 6:45 and 7:00 p.m.]. Would finder please call Vince at 464 - 7538. No questions asked. Reward.

NONSENSE & COMMONSENSE ADS ARE PRINTED FREE TO ALL STUDENTS AND STAFF

COMPLETED FORM SHOULD BE RETURNED TO THE **UNCLASSIFIED BOX** OUTSIDE E128, *THE NUGGET* OFFICE.
PUT ONE (1) LETTER OR PUNCTUATION MARK IN EACH SPACE, LEAVE A SPACE BETWEEN WORDS.

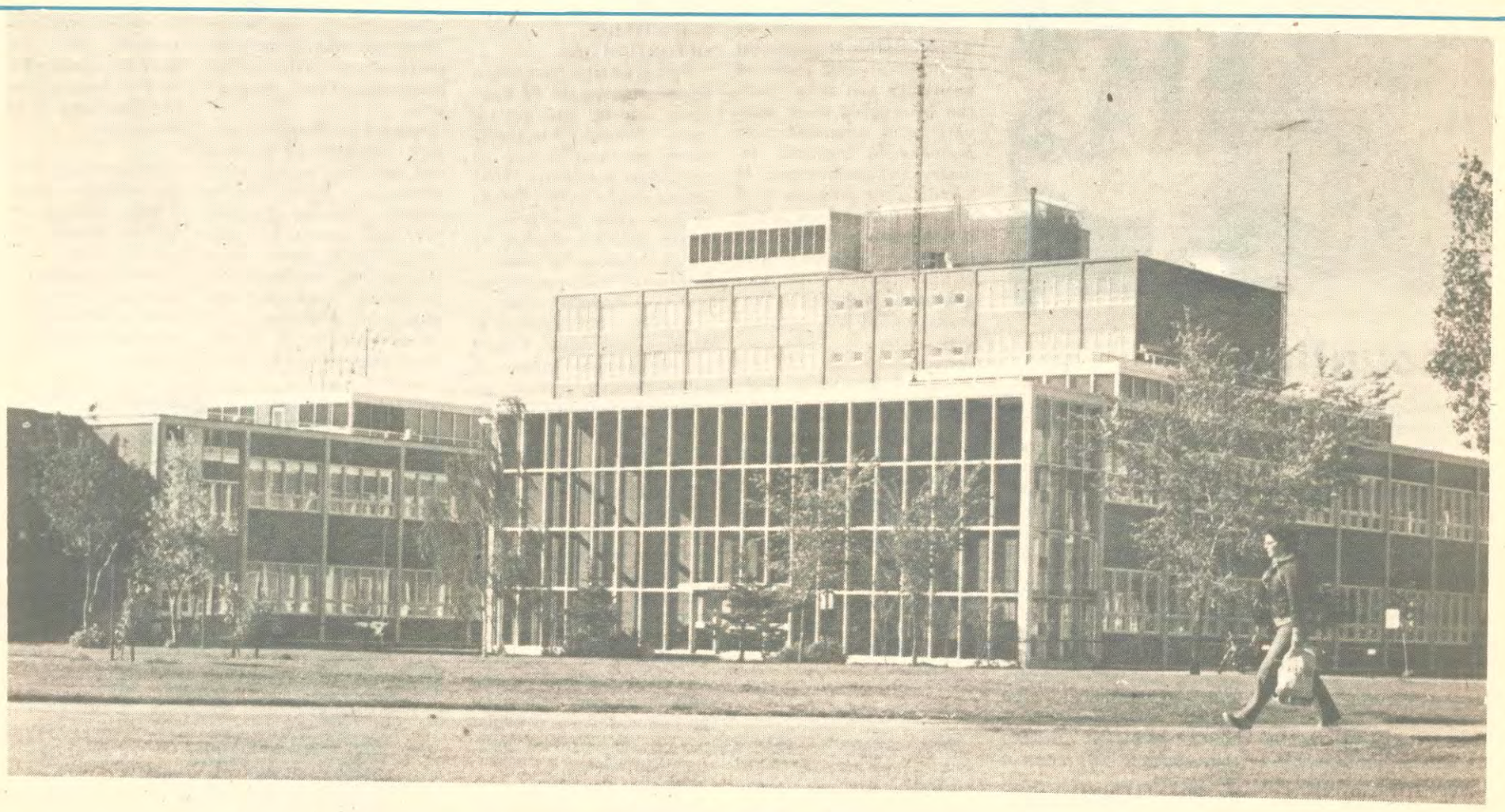
NAME:_____

ADDRESS:_____

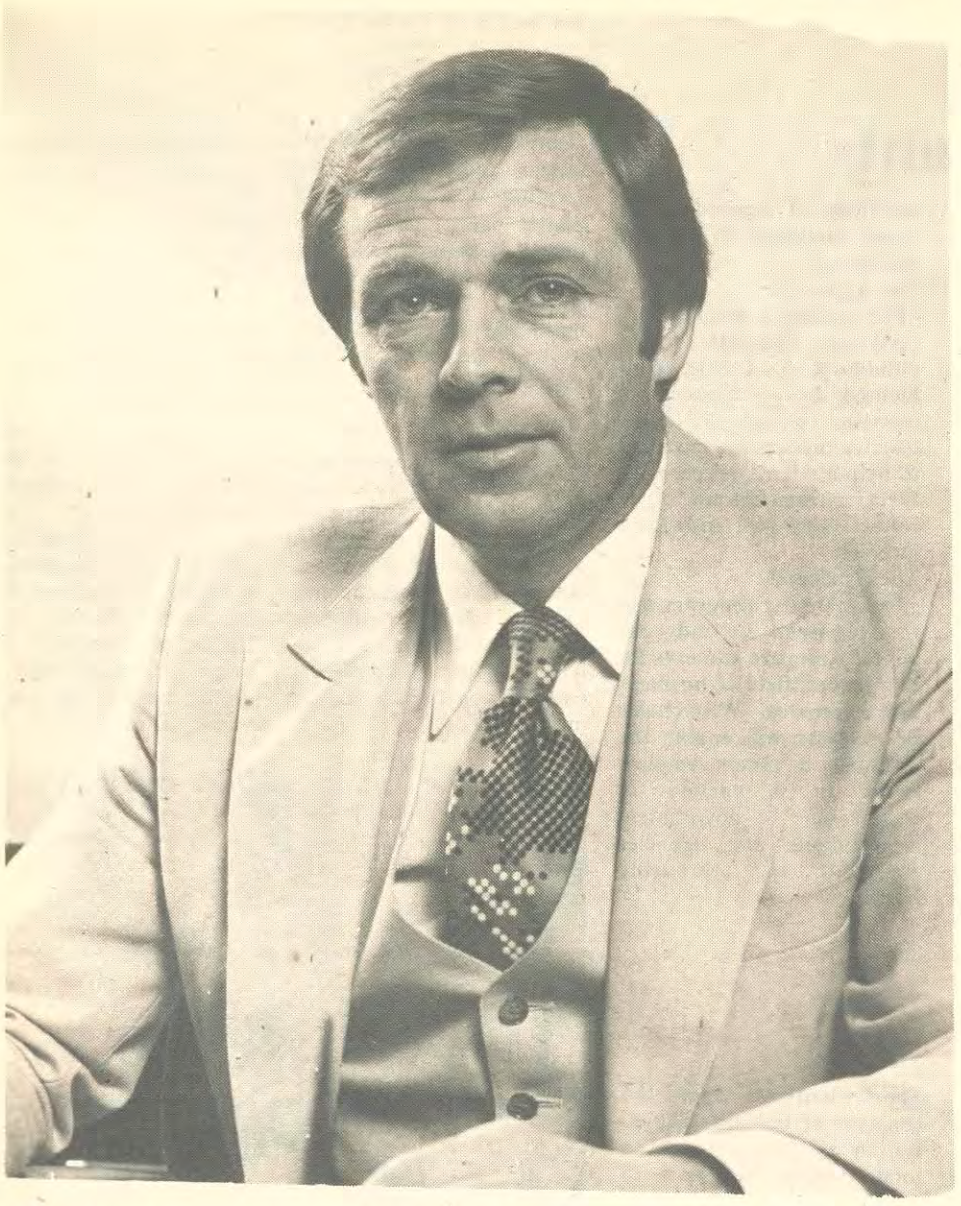
PHONE:_____

PHONE:_____STAFF:_____STUDENT:_____

Open House



Welcome to NAIT



WELCOME TO OPEN HOUSE '81

The Northern Alberta Institute of Technology, commonly known as NAIT, is a modern multi-campus institution, with its central campus located in the centre of Edmonton adjacent to the Municipal Airport. The main campus area, covering some 47 acres, houses career training in such fields as engineering, health, and science-related technologies; and applied arts, business, service, and industrial occupations.

Last year some twenty-five thousand people took advantage of our annual two-day event to learn about NAIT. Students and staff are prepared to talk to you about the more than fifty full-time certificate and diploma and approximately thirty trades-training programs. NAIT representatives will also be available in the Registrar's and Continuting Education offices to answer any questions you may have about full- and part-time attendance.

In response to Alberta's continuing strong demand for highly qualified manpower, the Institute has expanded and modified its physical plant. On Thur. March 19, 1981, the Hon. James D. Horsman, Minsiter of Advanced Education and Manpower, officially opened the Central Sevices and Industrial-Technical buildings at the north end of the central campus corridor, making new space available for Cabinetmaking, Carpentry, Automotives, Forestry, Radio and Television Arts, and for service areas such as the Bookstore, Learning Resources, and Cafeteria.

Not to be overlooked is the array of recreational and social activities available to the NAIT student. Student Services staff, the NAIT Student Association (NAITSA), and members of the various student clubs will be pleased to discuss this aspect of campus life with you.

There are many attractive displays and interesting demonstrations to view. Have a pleasant visit, and thank you for taking the time to get to know NAIT a little better.

S. G. Souch
President

OPEN HOUSE MESSAGE FROM NAIT STUDENTS' ASSOCIATION

Please enjoy your visit with us during the 1981 Open House. The exhibitors and guides welcome your inquires. We know NAIT is among the finest institutes in Canada and take pride in showing it to you.

You prospective students can confidently expect excellent training in your selected field of endeavour. Also, you will enjoy the added benefits of the many social experiences inherent to post secondary institute attendance. The NAIT Students' Association works hard to ensure that students experience as much personal growth as possible while attending NAIT.

We offer student on-campus entertainment. Opportunities to do charitable work, a chance for part-time employment, and scheduled events for group participation. We represent the student body in contacts with government, NAIT Administration, other institutes and prospective employers. Also, we fund extensive intercollegiate and intramural athletic programs designed with participation in mind.

Please make an effort to see as much of this vast institute as you can during Open House. Many students worked hard to make their displays interesting while accurately portraying their course. This should provide you with a realistic view of how interesting NAIT courses and life at NAIT really are.

ENJOY!!!

Sincerely,
Ken Davey, President
NAIT STudents' Association

Business and Applied Arts

Accounting

The management of financial resources and the provision of Accounting information to management continues to assume greater importance as business and management techniques become more complex. Administrators of business, industrial and governmental organizations need staff with specific training in accounting. There is, therefore, a high demand for graduates with specific skills in accouting and related quantitative areas. Completion of the two-year accounting program at NAIT will provide the graduate with 1) a good working knowledge of accounting and information systems, 2) the ability to develop and present meaningful financial data, and 3) capability in the use of quantitative analysis techniques.

Graduates of the Accounting Program are able to apply for credit in either the Society of Management Accountants of Alberta (R.I.A. - Registered Industrial Accountant) or Certified General Accountants Association (C.G.A.). Satisfactory completion of NAIT's Accounting program provides the graduate with many course exemptions and certain exam challenge privileges that in many cases enables the individual to obtain their professional designation (R.I.A. or C.G.A.) in as little as two years after graduation.

Employers of the Accounting graduate represent a wide cross section of industry and government. The Federal Government is a major employer (hiring approximately 25 percent of the graduating class) and Provincial departments and agencies and crown corporations actively seek graduates. Many graduates enter the accounting profession as accounting technicians with public accounting firms. Others will apply their training as internal auditors, cost analysts, payroll accountants, or supervisors in related areas.

More information about the accounting profession and the challenging opportunities within, can be obtained by calling either Rod Ponech or Perry Baird at 427-9240.

Finance

One of many programs that has displayed steady and continued growth for many years is the Finance program. Finance is a program choice for second year Business Administration students. The goal of this program is to provide students with a good understanding of the principles and practises employed by financial managers in (on-the job) decision making.

The course work offered is designed to familiarize Business students with the elements of sound management and to provide specialized study in finance for those who aspire to positions of management and executive responsibility in financial institutions or financial departments of other business firms.

Graduates of the Finance program have experienced a wide range of career choices in the business community. The chartered banks are a major employer, hiring approximately one-third of the graduates, who start as Management Trainees. Management Trainees proceed through an accelerated in-house training program leading to branch management positions within one to two years after starting work.

Banks or similar financial institutions are one career choice where the graduate, after spending a couple of years in branch administration, has a great variety of management options available in the future. Examples are: 1) credit (lending) 2) personnel (recruiting, training, benefits), 3) marketing (new services, advertisng and promotion, branch location development) and 4) accounting, as well as many other specialties requiring an understanding of basic branch management. Graduates of Finance have enjoyed employment in retail management, accounting firms, government departments, real estate, or as a stock broker, etc.

The Finance program provides the graduate with the basics combined with specialized study that provides a variety of career choice options. If money, people and management interest you, find out more about the Finance option. More specific information can be obtained by calling either Al Platt or Perry Baird at 427-9240.

Administrative Management

The program offered by Administrative Management provides a solid core of knowledge and skills which can be applied to a wide variety of administrative positions in business, industry, and government. In addition, the program is of value to those whose goal it is to become involved in the operation of a small or self-owned business. It provides graduates with high flexibility toward job opportunities.

PROGRAM APPROACH

Year TWO of the program is directed towards the realization of the student's potential through practical, task-oriented courses. It provides both the general knowledge related to the practice of managerial functions, as well as some knowledge of quantitative tools required in decision making.

Three streams of elective courses have been developed for those wishing to specialize in the fields of Management, Personnel, or Public Administration. In addition, however, students, to meet their individual career needs, can design a combination of these core courses and approved electives.

EMPLOYMENT OPPORTUNITIES

Past graduates have found ready employment in business, industry and government. Promotions to supervisory positions depend on application and ability. They should come within two years or less after graduation. Those students electing to pursue positions in small or self-owned business should make the transition easily.

Graduates with electives in Management enter careers as management trainees in sales, banking, finance, retailing, accounting, marketing, real estate, credit and production. Several have their own business.

Graduates with electives in Personnel offer work in manpower recruitment and selection, manpower training and wage and salary administration.

Graduates with electives in Public Administration find employment in the public service as trainees at the municipal and provincial government level or enter the private sector as management trainees.

POST GRADUATION

Graduates may obtain advance credit towards the C.G.A. and R.I.A. (Society of Management Accountants) designation. Advance credit is also given to graduates by a number of other associations and institutions.

Marketing Management

Marketing is the performance of business activities that direct the flow of goods and services from producer to consumer or end user. The two-year curriculum in Marketing Management is a study of these activities. The course of study is designed to enable graduates to enter any of the many occupations dealing with the marketing of goods and services.

Typical marketing occupations include Marketing Research, Advertising, Professional Selling, Public Relations, Merchandising, Purchasing plus a variety of other Marketing positions.

The Objective:

The objective of Marketing Management is to prepare individuals for the business world by providing comprehensive knowledge of the functions of business with major emphasis in applied marketing.

The Approach:

The student's second year program consists of a number of core courses augmented by a number of elective courses. These elective courses are intended to help students prepare for their chosen career or to reflect their own individual interest.

The Graduates:

The first-year program and the required second-year subjects prepare students for the general field of business and commerce. Wise choice of electives will enable the graduate to obtain employment in a variety of businesses, government departments and agencies involved in marketing activities.

Computer Systems

Students learn to wite computer programs in several languages including COBOL, FORTRAN, ASSEMBLER, BASIC AND RPG. As well, students become familiar with MARK IV and TOTAL.

Selected business applications such as payroll, accounts payable, receivables, inventory, sales analysis etc. are analyzed and programmed on the computer.

The students are taught the concepts of business organization and the value of a total systems approach to approach to problem solving.

Students are specifcally prepared for occupations closely related with an organizations's Data Centre. The most common vocations are Progrmmer and Programmer Analyst.

Commercial Cooking

This course is designed to fill the growing demand for people who are trained in the preparation of food on a large scale.

Students are taught to prepare nutritious food in varied and attractive ways, and to purchase and handle supplies so that an establishment may operate at a reasonable profit, observing at all times the importance of cleanliness, sanitation and good public relations.

A block system of instruction is employed. Each block occupies approximately 2 months and covers a different aspect of cooking. New students may register at the beginning of any of the blocks.

Jobs are many and varied; restaurants, hotel dining rooms, department stores, coffee shops, hospitals, mining camps, etc.

Starting salaries vary depending on experience, personality, willingness to cook, amount of training and other factors.

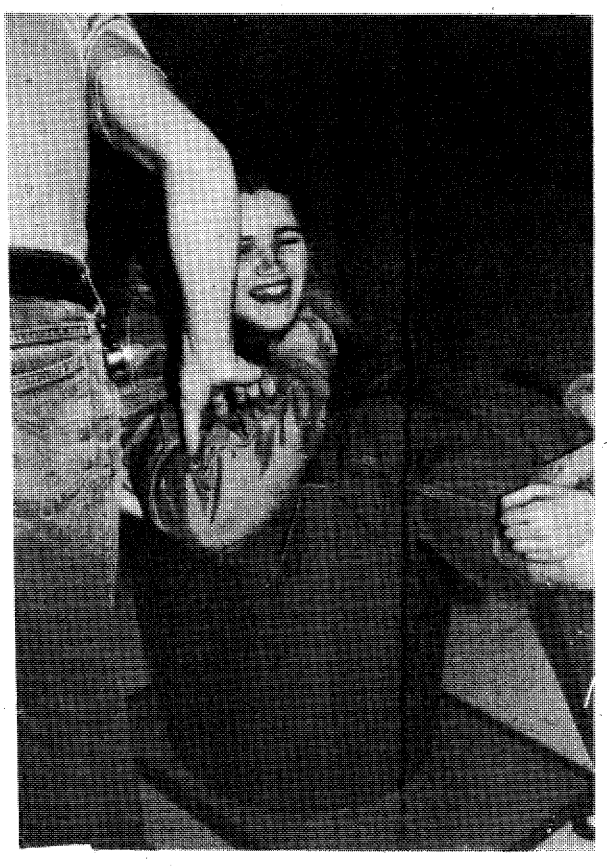
Commercial Baking

During recent years the Baking industry has been growing at a greatly accelerated pace. As a result there has been an emphasis placed on research with consequent introduction of multitude of new ingredients, processes and methods.

The baker required today is both a technician and a craftsman and so the Commercial Baking program is designed to graduate such a person. He will have a sound background of practical and theoretical baking with related business knowledge enabling him to play his part in the industry.

As baking presents such a wide field, the graduate may be employed in many different types of work. In the smaller shop and instore bakery he will be involved with the weighing, mixing, preparation and baking of all types of breads, cakes, pastries and cookies. The decoration of these products is an important part of this trade. Selling may also be involved in the bakery work in some shops.

Commercial baking is a one year (40 week) program. It is designed to develop in the student the practical skills of baking together with knowledge of related theory enabling him to be gainfully employed in industry.



Basic Banking and Business

A strong demand for trained personnel proficient in handling cash, helping people solve their financial problems, and who have a good understanding of basic business operations has created many employment opportunities for graduates of the Basic Banking and Business program.

The NAIT Basic Banking and Business program prepares you for business responsibility in a Nine-Month program leading directly to employment. Unlike many longer programs which train for only one, specific occupation, this program provides the individual with flexibility of career choice upon graduation. The graduate is not committed to a specific occupation. YOU make the decision to accept either an excellent entry-level position in banking as a teller, or, if you prefer, any one of the many other positions available in business that allows you to utilize the general business skills learned in the program.

The Nine-Month Certificate program in Basic Banking and Business prepares you for many, varied entry-level positions in business, where your classroom and lab skills will be utilized. Bank Teller positions with financial institutions, Accounting positions, and office work requiring skill in business communications are some of the jobs available to program graduates.

After appropriate job experience, promotional opportunities are excellent for graduates willing to adapt quickly, and accept greater responsibility.

Success comes more easily through practical preparation. The NAIT Basic Banking and Business program is ready to provide the training you need.

Get the full story, see our display in the Gymnasium.

Court Reporting

Court reporting is a demanding but rewarding profession for enterprising men and women. Court reporters are responsible for writing verbatim (word for word) shorthand of court proceedings, boards of inquiry, hearings, commissions, conventions, and conferences. To do this, a court reporter must be able to write shorthand at a minimum of 200 words per minute. The achievement of this skill requires much dedication and motivation. The court reporter is then responsible for the transcription of the shorthand notes into typed format, with the transcripts produced being sold on a per page basis to the people involved in lawsuits.

Court reporters are officers of the court and as such must conduct themselves in a businesslike and professional manner. Discretion and common sense must be exercised by court reporters with respect to the intimate information that is availalbe to them by the very nature of their work.

The majority of the court reporters in Albeta are employed by the Attorney General's Department of the provincial government and are appointed as Official Court Reporters. Their monthly salary is approximately $1,300, plus a transcript income that varies from month to month but may equal or exceed salary.

Freelance reporters are generally self-employed and usually work on a commission basis dependent upon the number of pages of transcript prepared.

In keeping with modern technology, the machine shorthand taught in NAIT's Court Reporting Program is computer-compatible. This shorthand has the advantage that it can be automatically transcribed into English via computer, instead of the more traditional technique of dictating from shorthand notes onto a dictaphone to be transcribed by typists.

Men's & Ladies' Hairstyling

The Men's and Ladies' Hairstyling Programs are separate courses, each consisting of three semesters. Content of courses offered during the three semesters are:

Ladies' Hairstyling
First Semester
Introductory hairstyling techniques, shampooing, basic haircutting, hair treatments and scalp treatments, are subjects presented. An assigned number of services must be completed to a pass level.

Anatomy of skin and hair and the relationship of lab services, pH of products, sanitation hair treatments and scalp treatment theory, are subjects presented.

Second Semester
Hairstyling and haircutting techniques, tinting, permanent waving are subjects presented. An assigned number of services must be completed to a pass level.

Theory of color, permanent waving, facials and new hairstyling and haircutting concepts.

Third Semester
Advanced hairstyling and haircutting techniques and bleaching are subjects presented. An assigned number of lab services must be completed to a pass level.

Bleaching theory, salon management and hair analysis are subjects covered

Men's Hairstyling
First Semester
Introductory hairstyling and haircutting techniques, shampooing, hair treatments and scalp treatments are subjects presented. An assigned number of lab services must be completed to a pass level.

Anatomy of skin and hair and the relationship to lab services, pH of products, sanitation, hair treatments and scalp treatments theory are subjects covered.

Second Semester
Hairstyling and haircutting techniques, tinting, permanent waving, shaving and beard styling are subjects presented. A number of lab objectives must be completed to a pass level.

Theory of color, permanent waving, facials and new hairstyling and haircutting concepts are subjects presented.

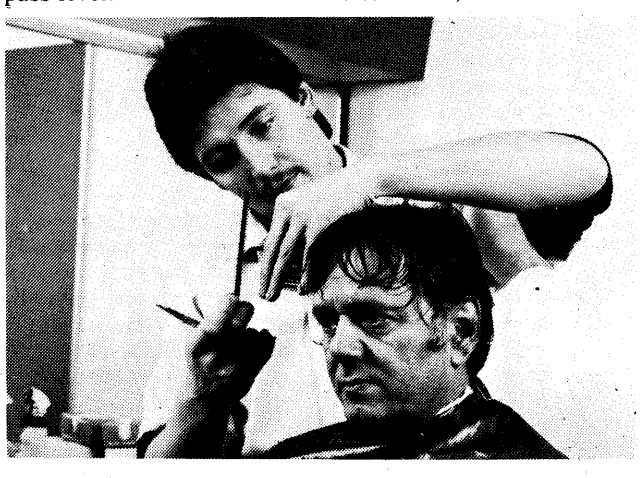
Third Semester
Advanced hairstyling and haircutting, taper haircuts, bleaching, are subjects presented. A number of lab services must be completed to a pass level.

Bleaching theory, salon management and hair analysis are subjects presented.

To complete the three semesters takes 40 weeks or 1400 hours. Four enrollments are taken each year.

The general public can have services performed for a minimal charge.

Ladies' hairstyling appointments can be made by calling 427 - 9190, two days in advance of when they want their bookings. Men's hairstyling clientele has a walk-in service on a first come, first serve basis, however, for the following services, appointments can be made in person these are: Perms, shaves, hair treatments, scalp treatments, and facials.



Photographic Technology

This course is designed to train graduates to meet and fill the needs and challenges of the broad spectrum of photography. Th emphasis fo the course is on the practical or applied aspects of photgraphy supported by adequate theory.

Applicants should realize that photography is a marriage of art and science and good photography requires an appreciation and understanding of both. The student is encouraged to take as much chemistry and physics as well as art and design in high school as possible.

Commercial Signwriting

Designed to assist talented young people who have the desire to enter this interesting occupation as a vocation, this course is planned specifically to develop the manual skill and theoretical knowledge of lettering, layout and color, required to obtain employment in the field of commercial signwriting.

Special attention is given to the use of proper tools, equipment, techniques, materials and procedures. Accuracy and economy of time and materials are emphasized. Many hours will be spent in supervised areas designing and completing signs and displays on wood and glass.

Radio & Television Arts

The Radio & Television Arts program is proving to be one of the more popular programs at NAIT but many of the applicants are not really aware of the nature of the industry, nor of what a job in broadcasting can really entail.

The course is designed to provide the student with a fairly broad background to the broadcasting industry. It touches on all aspects of a typical station with the exception of the technical side. A graduate can expect to seek employment in a commercial radio or television station and be capable of holding down one of a wide variety of positions. There are also careers opening up in related fields and a number of the graduates of this program are finding challenging positions in organiztions other than conventional broadcasting outlets.

The training takes a form that is very different to that experienced by most high school students. In an attempt to make the course as real as possible, the students are organized into what amounts to a full time radio and television station. The signal produced by these stations is carried to the community at large, and a professional standard of both performance and content is imposed at all times.

Graduates can expect to start at fairly routine tasks in a station. They may become announcers, switchers, cameramen, or continuity writers. The salary they command may not be as high as they might have hoped, but experience has shown that they move ahead quickly in the industry of their choice.

Secretarial

The first phase is aimed in the skill areas required for stenographers, clerk-typists, and receptionists. An interim certificate is awarded after the successful completion of certain courses.

Although the job opportunities open to students after the completion of the first phase are very attractive today, students should seriously consider the second phase of the Secretarial Arts Diploma Program--the further development of the skills and the development of the knowledge needed by the future secretary who wishes to move into senior-level positions where more responsibility and challenge may be available.

The students may advance through the subjects as quickly as possible. Those who meet all diploma requirements at the end of the fifth quarter may graduate at that time.

Students registering with previous training in shorthand and/or typewriting may be placed in advanced classes in these subjects. Students who have completed equivalent courses in high school may be granted exemptions, after testing, in accounting, law, and machine transcription.

Tailor Technician

The one-year Tailoring Technician program is career oriented. It is designed to train students in the fundamental technology of clothing construction and the art of fitting.

Of all commodities employed in our society, there are none more expressive of individuality than the clothing that we wear. Only well trained and experienced tailors and dressmakers can interpret customers' desires and needs and translate them into finished wearing apparel suited to individual taste.

The ability to fit and alter ready-made garments as well as to draft and custom-tailor ladies' and men's apparel, combined with good knowledge of textiles and salesmanship, makes the graduate a desirable employee in the clothing industry.

Employment opportunities as fitter-alterationist, at retail level, are good as there is a shortage of competent people in the field. Although starting wages may be low when compared with the engineering technologies, advancement will be rapid with increasing skill and experience.

Applicants who are mature and realistic in outlook, and who can combine artisitic and creative flair with good manual skill, will be able to establish for themselves an independent careerin Custom Dressmaking or Custom Tailoring.

Technology Division

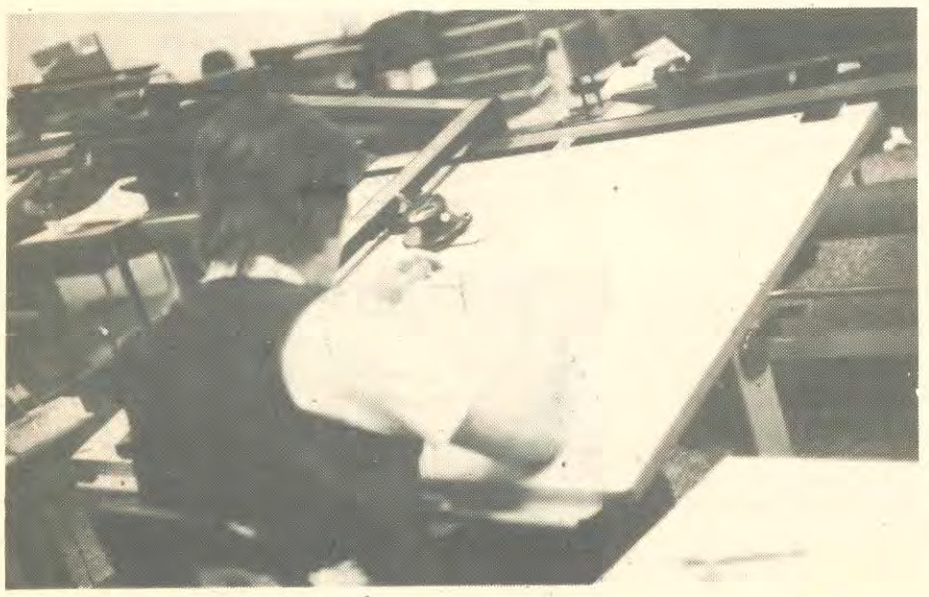
Architectural

The NAIT Architectural Technology program aims to prepare the student for his important role as a technical assistant in the changing world of the building industry. It does not intend to produce architects, engineers, contractors, or tradesmen, although an understanding of these professions and trades are developed by the student during his studies during the two-year program.

The primary objective of the Architectural Technology program is to prepare the student with th basic level of knowledge and skills that are necessary in order to gain and maintain employment in the many areas of building industry.

The Architectural Technology program is specifically oriented toward the suitability of the graduates to become competent technical assistants to professional architects. However, the course content is general and borad enough to enable graduates to obtain rewarding employment in related fields such as assistants to engineers, urban planners, building construction contractors and building material manufacturers and suppliers.

The demand for architectural technicians fluctuates with the pace of the building industry. Working conditions are usually very good; and although salaries are commensurate with the ability and initiative of the individual.



Civil Engineering Technology

The objective of the Civil Engineering Technology program at NAIT is to train Technologists

to assist Engineers in various phases of engineering endeavour. The program studies and the job opportunities should be of equial interest to men and women undertaking advanced training. Further to this, the job situations are predominantly field work in the spring, summer and fall, with office work in the winter, but there are many jobs where a graduate can choose to be totally in an office situation for the entire year or in the field for the entire year.

Civil Engineering Technology graduates may find employment in planning, design, construction and inspection of highways, railroads, large industrial, recreational or residential structures, bridges, dams, minicipal projects and other Engineering Projects.

In order to perform his assigned duties efficiently, the Civil Engineering Technologist must acquire a considerable store of technical knowledge in a variety of fields. He requires a sound education in the basic sciences (mathematics and phsiscs), so that he can apply such knowledge to the solution of practical problems.

The Technologist who is to succeed must be able to express himself clearly and coherently, and must also have 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.

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 through to foreman, superintendent of 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, or 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 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.

The NAIT Graduate is rated a "Technologist" by the Alberta Society of Engineering Technologists.

Animal Health Care

INTRODUCTION

The application of sophis ticated medical and surgical techniques to animals has resulted in a demand for trained technical personnel to assist veterinarians. As the public demands that new medical techniques be applied to their animals, veterinarians shift some of their technical responsibilities to their technicians. This has resulted in an exciting occupation as a paramedical veterinary assistant known as an Animal Health Technician.

NATURE OF WORK

Animal Health Technology Program graduates find employment primarily in veterinary practices under the supervision of veterinarians. The practices may be concerned with pets, farm animals, or horses. The graduate undertakes technical tasks related to; laboratory analysis of blood, urine and fecal samples, radiographic procedures, sanitation and sterilization procedures, examination of animals, treatment of animals, hospital administrational chores, anesthetic and surgical procedures. Employment is also obtained in related fields such as animal laboratories and other animal oriented occupations.

TRAINING PROGRAM

The Animal Health Tech. Program is a two-year program consisting in the first year of a 9-month session at NAIT. This is followed by a 6 1/2 month session at NAIT and a 2-month session at Fairview College, Fairview, Alberta in the second year of the program.

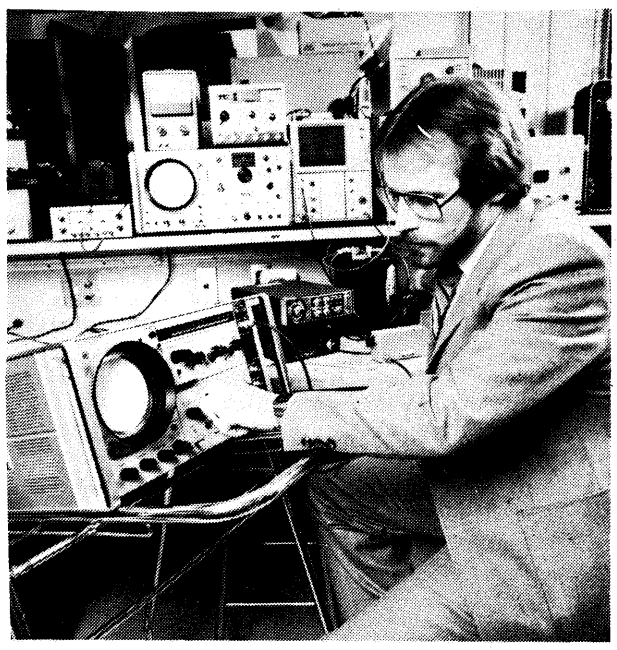
The program consists of academic studies with practical skill development. Lectures and laboratories are given in basic subjects such as Anatomy, Physiology, Medical Terminology, Effective Communications, Chemistry, Microbiology, Statistics, Parasitology, and Immunology. Lectures, laboratories and development of applied practical skills occur in courses such as Clinics, Instrumentation, Anaesthesiology, Laboratory Procedures, Accounting, Typing Radiology, Business Management, Pharmacology and Laboratory Animal Care.

The 2-month portion given at Fairview College allows development of knowledge and skills related to farms animals. Subjects are Large Animal Clinics, Animal Handling, Farm Animal Husbandry and Post Mortem Technique.

Successful completion of the program allows the graduate to apply for membership in the Alberta Association of Animal Health Technicians and work in a verterinary practice in a technical capacity under direct control and supervision of a veterinarian.

For further information contact: W.R. Buchta, D.V.M.
Program Head
Animal Health Technology
Northern Alberta Institute of Technology
11762-106th Street
Edmonton, Alberta

Phone 427-9161



Electronics Technician

This program is designed to train technicians specializing in the maintenance, repair, and installation of radio and television receivers, audio and communications systems. The objectives of the course are to impart a good knowledge of electronics theory and servicing practices so the graduate will have a strong background to challenge many careers found in the electronics industry.

Intensive training is provided in the fundamental theory of electronics, the theory of radio and television receivers, audio systems and related areas. The theory will be supplemented by laboratory exercises and experiments, enabling the student to analyze electronic circuits to develop proficiency in trouble shooting, techniques and the use of electronic test equipment. Courses related to the electronics theory in Mathematics and Science are also provided.

The student attends classes for 30 hours per week for the 36 week academic year. For students who achieve an overall weighted average of 65 percent for the academic year, the Apprenticeship Board of Alberta will allow credit for the first year of apprenticeship in Radio-TV Repairing, with the privilege of challenging the second year progressive examinations as soon as feasible after registering as an Apprentice in the RTV Trade.

Electronics Technology

Electronics continues as one of the most rapidly changing and fastest growing industries in the world with expansion into almost every field of human endeavour. The microcircuit revolution, with more powerful "chips" available at decreasing cost, continues to have dramatic impact on industrial automation, communications, instrumentation and consumer applications. Many science fiction scenerios are becoming reality today. These are truly exciting times for those associated with electronics!

The Job!

The Electronics Technologist must be capable of working and communicating with scientists and engineers, and of supervising and coordinating the efforts of skilled technical personnel. He may be involved in a wide variety of work responsibilities ranging through research, design construction, testing, modification, operation, installation and maintenance of electronic equipment. He will require a thorough knowledge of components, devices circuitry, units and systems plus the operation and use of electronic test equipment. He may work as a member of a team of engineers and technologists, or be required to assume individual responsibility for a project, a laboratory, or an electronic system. Some positions may involve the technologist in technical writing, technical sales, and customer relations. Normally, the Electronics Technologist will work under laboratory type conditions, required to ensure a high degree of equipment reliability. Some positions, however, may require field work, extensive travel, shift work, or time in isolated areas; compensation is normally made in the form of a pay differential.

sures immediate applicability to the needs of the industry. The majority of individual courses are lab-lecture in format where theory concepts are supplementel with laboratory work so as to mate the practical and theoretical aspects of course material. Instruction takes place in modern laboratories equipped with the latest electronics test equipment.

The Program

The Electronics Engineering Technology program at the Northern Alberta Institute of Technology, is broadbased and highly technical. Those who enter the course must be prepared to undertake an intensive and demanding study program. Because electronics as a technology is rapidly evolving, the course stresses fundamentals and is designed to make the graduate readily adaptable to future changes. Emphasis on practical skills and "state-of-the-art" applications en-

Program content evolves from basic electrical, active device and electronic circuit concepts in Year One to complete electronic system (communications, computers, etc.) considerations in Year Two. A pattern of electives offered in the final quarter of second year permits the student to explore applications areas of particular interest. A major technical report, presented both orally and in written form, in conjunction with an electronics construction project, develops both practical and inter-personal skills.

Students enrolled in the electronics program at the Northern Alberta Institute of Technology are eligible for student membership in Institute of Electrical and Electronics Engineers (I.E.E.E.) and the Alberta Society of Engineering Technologists (A.S.E.T.).

Electrical Engineering Technology

The objective of the technical institution 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 the student will get the basic foundation upon which specialization may be continued after joining the industries or related tachnical fields. Most technical institutes do not train exclusively in specialty areas, such as supervisory control, logic and switching, telemetre, computers, industrial controls, etc. Instead the broad training at the 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 electrical and electronic theory, technical mathematics and physics, report writing, engineering economics, drafting and computer use.

It provides an in depth training in electrical machines and controls, industrial electronics and applications of solid state devices, supervisory and telemetry systems, microprocessors and computer application. A large portion of the course includes the design and layout of electrical systems, code application, metering and protective relaying.

NATURE OF WORK

The graduates are employed in the broad electrical field related to Electrical Engineering. Open to the Electrical Technologist will be positions in design, estimating technical sales, or such fields as power generation, distribution, metering, industrial electronic control, supervisory control telemetering, and many more. Presently the demand for bright young men and women exceeds the supply.

Graduates are eligible for membership in the Alberta Society in Engineering Technologists after two years of suitable industrial experience. A journeyman certification in the Electrical or Power trades may be obtained after acceptable field experience and appropriate qualification examinations.

EMPLOYMENT OPPORTUNITIES

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 Tech nologist appears bright.

Present employers of graduates from N.A.I.T.'s Electrical Engineering Technology include: Canadian General Electric, Canadian Westinghouse, Alberta Government Telephones, Alberta Housing and Public Works, Stelco Steel Co., Dow Chemical, Chemcell, Edmonton Power, Calgary Power, Alberta Power, University of Alberta Physical Plant, Syncrude, Interprovincial Pipelines, Shell and Esso Oil Co's., Various Electrical Consulting Firms, Contractors, and Electrical Distributors.

Hydrocarbon

Conventional hydrocarbon sources of iol and gas continue to be the mainstay of our Canadian energy supply. Development of these conventional sources goes on and is now being supplemented by synthetic oil production from the Alberta tarsands and renewed developments in coal mining.

In order to provide for our energy and industrial raw materials, there is a need for continued development utilizing, among other things, technically capable people. This technical effort will come from a team of which the technologist is an integral part. In order that the graduate may meet the variety of demands for his skills, the Hydrocarbon Engineering Technology program starts from the basis of a strong background in Math and Science. Technical courses based on current industry practices build from this background; with the result we have a versatile and technically competent graduate who is capable of producing useful work immediately upon graduation. He also has the academic background to continue to grow technically as new developments appear.

Graduates work almost exclusively in a variety of jobs related to oil and gas production and processing. Most are located in Western Canada, and generally work in either an engineering office or field and plant operations. Some have taken foreign assignments with industry related service companies. Excellent employment opportunities have existed for a number of years.

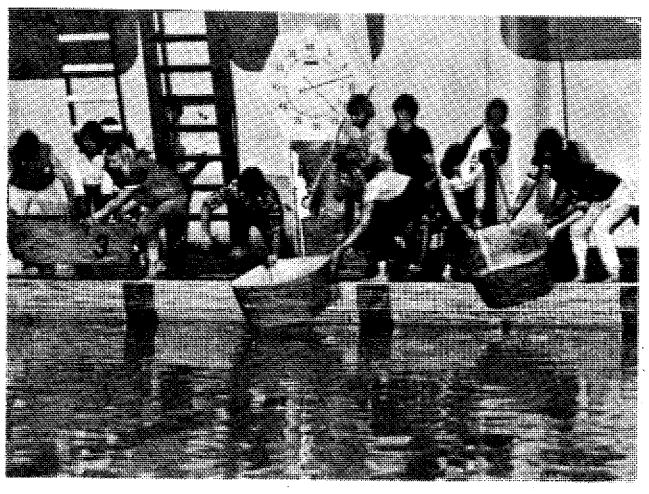
Continued conventional production is assured for some time but as these fields are depleted, new developments in tar sands, heavy oil, and hydrocarbons from coal can and will take their place.

Engineering Design & Drafting

A challanging career lies ahead of the graduate of this two-year program.

The program is structured to prepare the graduate not only to draw designs produced by others, but also to assist in such design.

The successful student in Engineering Design and Drafting Technology will have reasonable ability in Mathematics. He should be able to learn scientific principles and their application and have an interest in neat and accurate work. Artistic skill is an asset, although not a necessity. The technologist who can combine these characteristics with an understanding of the basic design aspects of Engineering will be capable of working as an assistant to the Professional Engineer.



Graduates of this program are employed in manufacturing plants, consulting engineering offices, government agencies and most other areas in which production of drawings is necessary in the day-to-day operation. Types of drafting encountered are Structural, Architectural, Topographical, Mechanical, Electrical, and Municipal.

Demand for draftsmen is excellent and salaries compare favorably with those offered in other careers. Ambitious individuals may advance to supervisory positions, as their experience increases. In addition, the broad nature of the program permits a transfer from one type of drafting office to another.

Instrum Eng. Tech.

The Instrumentation graduates are employed in many areas of the industrial instrumentation and control field. These include sales and service, drafting and system design, installation, start-up, and maintenance. The instrument manufacturers need well-trained specialists to maintain, modify, design, and/or sell their instrumentation products. The consulting and construction engineering offices require instrumentation technologists to plan an specify automation systems for new industrial plants. Industrial process companies require Instrumentation Technicians to troubleshoot and repair measurement and control systems as well as recommend modifications necessary to improve these systems.

Instrumentation

The Instrument Society of America defines Instrumentation as "The art and science of measurement and control." It involves the use of and/or work with instruments which range from simple mechanical float level controls to complex computer based rocket guidance systems. At NAIT, our program concentrates on the industrial instrumentation necessary to automate Alberta industries. With industry becoming increasingly automated, the capital layout for instrumentation is increasing considerably; hence, creating requirements for technologists in many areas of work.

The instrumentation program is designed to meet the challenge of this rapidly progressing technology by providing a sound technical background in mathematics, science, pneumatics, electronics, process measurements, process controls and digital computers. Students are given training in a well equipped laboratory with functioning process units instrumented with pnuematic, electronic and computer controls.

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The growth of process industries in Alberta and the rest of Canada indicates the steady demand for Instrumentation Technologists. The petroleum, natural gas, tar sands extraction, pipelines, pulp and paper, chemicals, power and fertilizer industries are all prominent in this expansion. These industries are increasingly dependent on measurement and control systems to keep the process operating smoothly and efficiently. Also more rigid clean air and clean water regulations require both industry and government to expand their monitoring and data acquisition systems, all leading to challenging careers for imaginative Instrumentation Technologists.

Instrumentation graduates are eligible for membership in the Alberta Society of Engineering Technologists after two years of suitable industrial experience. A journeyman certification in the Instrument Mechanic trade may also be obtained after acceptable field experience and appropriate qualification examinations.

Grade XII English, plus 50 percent in XII Math 30 or 33 and Credit in a XII Physics or Chemistry.

Medical X-Ray

Medical X-Ray Technology involves the operation of machines which produce x-rays, together with the use of other specialized electronic and accessory equipment to produce images of medical quality. These images are used to record anatomical and physiological examinations on patients in the interest of diagnosis of disease and injury. The Technologist's responsibilities include: the preparation of the patient for the examination, interpretation of the examination request, determination of the correct exposure settings for the particular examination and the safe positioning of the patient and equipment. The Technologists must be familiar with operation and maintenance of film processing equipment. Most of the Technologists's time is spent working directly with the patient, in cooperation with other members of the health care team.

The 25.5 month training program is offered through the major hospitals in the province in affiliation with the Northern Alberta Institute of Technology in Edmonton.

The student will commence training in mid August for two weeks for orientation to the hospital environment and to the Department of Radiology. Following orientation, the student will attend lectures and participate in practical labs at NAIT for 9 months from September to May to obtain a thorough knowledge of the basic principles of x-ray technology. During the hospital phase of training (June - September, 16 months), the student will gain practical experience in the x-ray room, operating room, wards and emergency departments, receive formal lectures on various radiological procedures and review the theory studied at NAIT. During the second year, the student will be scheduled to work some evening and weekend duty under the direct supervision of a Graduate Technologist. While at the hospital, the student receives a stipend and is entitled to most of the benefits available to the regular staff.

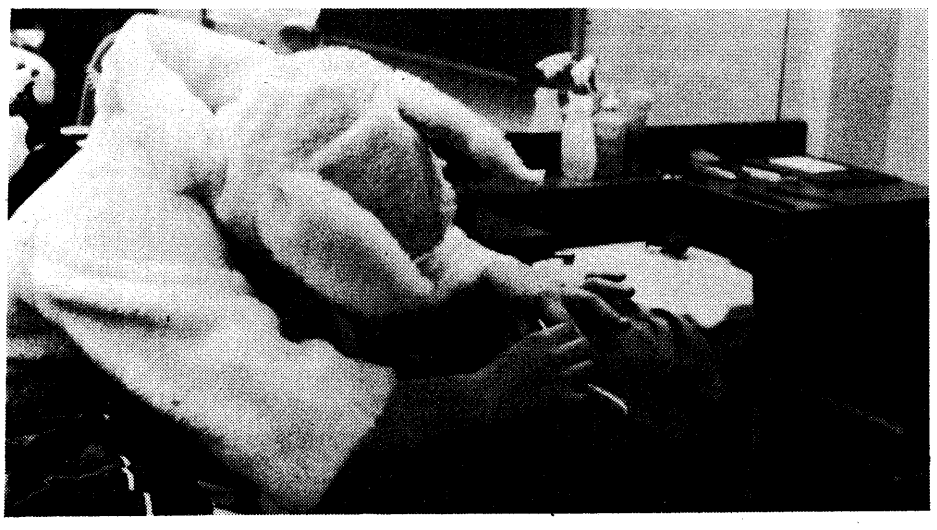
Upon successful completion of the training program, the student is eligible to sit the national certification exam set by the Canadian Association of Medical Radiation Technologists which leads to certification as a Registered Technologist (RT). Reciprocity is held with Great Britain, USA, Australia, Holland, Switzerland, and South Africa.

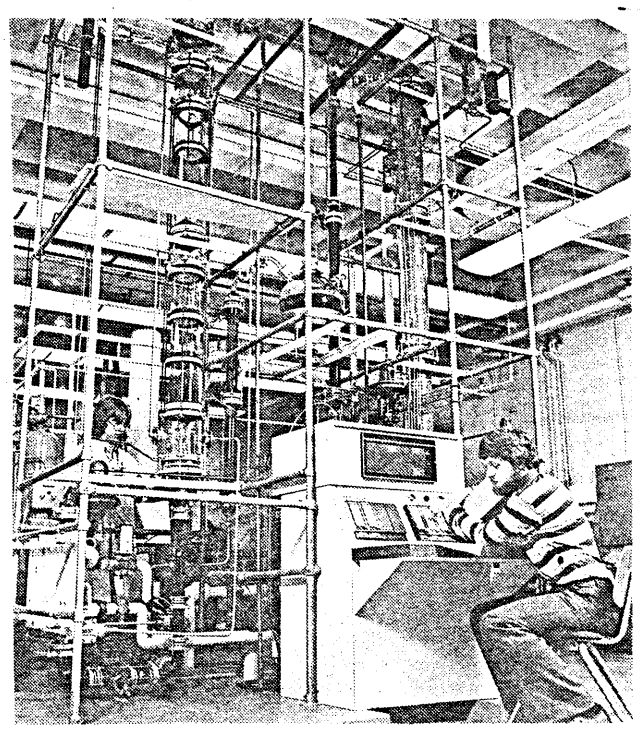
Respiratory

Respiratory Technology is defined as "an allied health discipline devoted to the scientific applications of technology in order to assist the physician in the diagnosis, treatment, and promotion of the well-being of patients with respiratory and associated disorders."

The course consists of 2 phases; 10 months of theoretical lectures and laboratory sessions conducted at NAIT, followed by 12 months of internship in a hospital training school. Studies are centered around physics, chemistry equipment design, function and maintenance, anatomy and physiology, pathology, microbiology, and pharmacology. At the end of the two year program the student is eligible to write the National Registration Exams.

The profession being so new and the demand so great numerous schools are being organized and the need for teachers in R.T. is pressing. Many centers in North America are expanding their cardio-pulmonary facilities and there is a great need for post-graduate studies in a variety of areas within the field. These areas include artificial perfusion, neonatology, pulmonary function and cardiology.



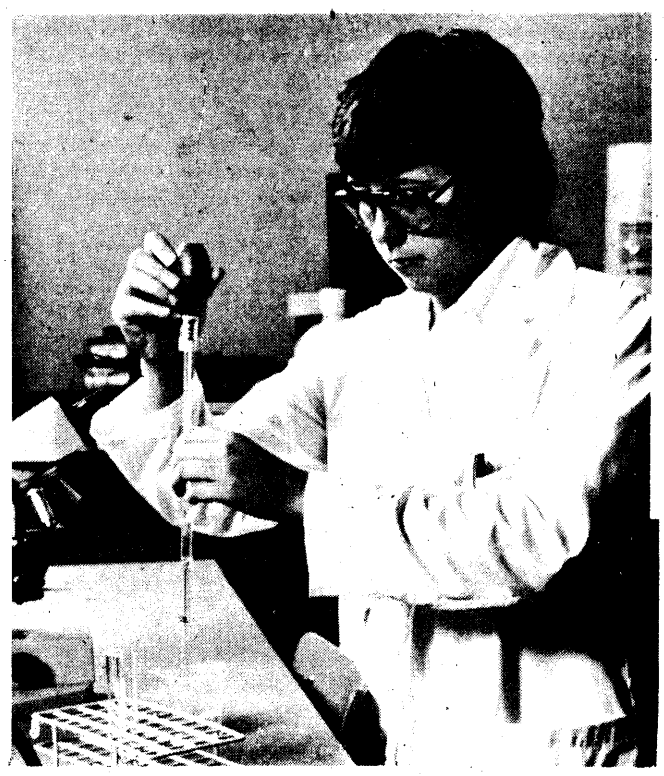


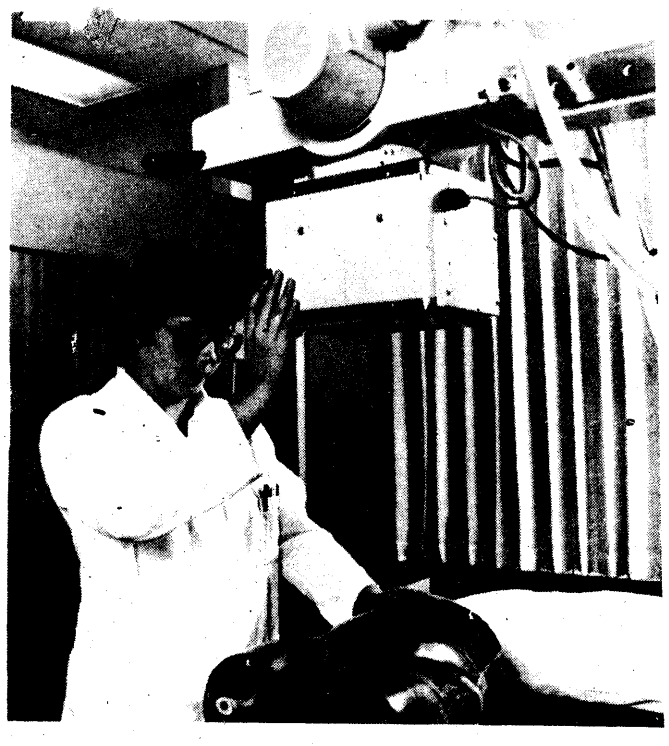
Medical Laboratory

Medical Laboratory Technologists are vital members of the health care team. Their role is to perform the tests which doctors request to aid them in diagnosis and treatment of disease. The two-year course consists of ten months of classroom and laboratory training at NAIT in the major disciplines of Clinical Chemistry, Hematology, Microbiology, Immunohematology and Histopathological Technique. This is followed by twelve months of internship at a training hospital with emphasis on the development of practical laboratory skills. Registered Technologists can easily find employment in hospital laboratories and private medical clinics across Canada.

CYTOLOGY SUBJECT PROGRAM

The cytotechnologist is involved with the early detection of cancer. The first year of the program at NAIT consists of classroom and laboratory training in Cytology, Hematology, Microbiology, Histopathological Technique and Anatomy and Physiology. The second year is spent at the University Hospital improving practical skills. Since program enrollment is limited, graduates are assured of employment.





Surveying

The surveyor's work is mainly out of doors, which may be working anywhere from within large cities to inside the Arctic circle, although many senior surveyors are engaged in office work such as computation and mapping. Surveying is an occupation in which the technical skills of measurement are combined with mathematical computations, and may include related areas such as mapping fromaerial photographs, cartography, hydrography, geophysics, urban planning and even making measurements using the stars, laser beams and artificial earth satellites. Surveyors have always been in the vanguard of civilization and settlement, working as part of the engineering team in challenging and rewarding paraprofessional and professional occupations.

The objective of the Surveying program is to train students in the knowledge and skills of surveying in order that they may obtain meaningful employment in an area of their choice. This is accomplished through a Cooperative Education Program, whereby students spend six months in academic studies at NAIT (December to May), followed by six months on an actual surveying job (June to November), working as a regular employee at going wage rates. Successful completion of three terms at NAIT (18 months) and two terms on a surveying job (12 months) are required for graduation. The Cooperative Program enables students to gain realistic work experience which enhance their academic studies, as well as helping to defray the costs of education.

For students wishing to further their education in surveying after graduation from the program, articulation is possible with universities offering degree programs in the Survey Sciences and Survey Engineering, which also integrate with professional standing as an Alberta Land Surveyor.

Combined Lab. & X-Ray

The purpose of the combined program is to serve the small community hospital. This is unique in the sense that students are trained to serve a function in both disciplines of the lab and x-ray. On completion of their training, students are able to do basic radiography as well as approximately 30 lab procedures and electrocardiograms.

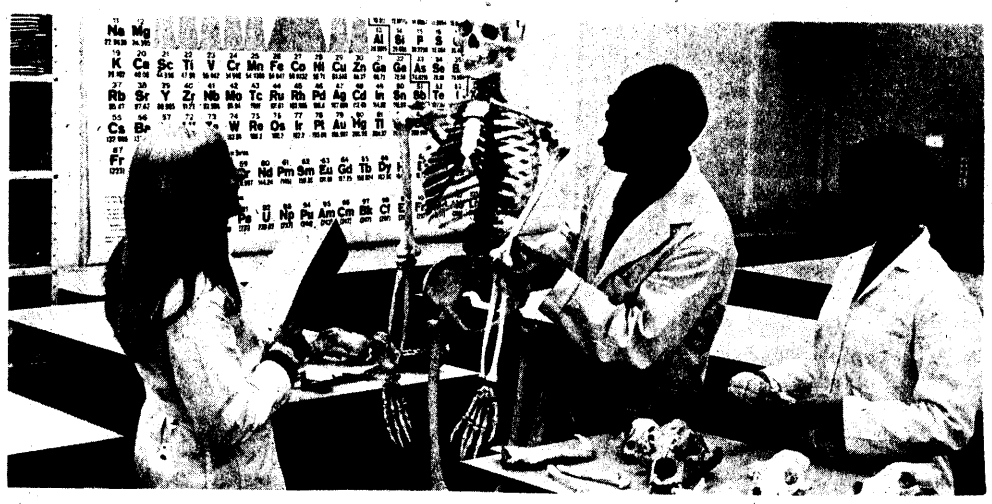
Students will be assigned to rural hospital Training Centers for certification. The certification period is of 25 weeks where a student will spend equal time between the laboratory and x-ray departments. The supervision will come for the permanent technicians employed by the training hospital.

Biological Sciences

The Biological Sciences field incorporates a study of chemistry, mathematics and the life sciences.

At NAIT, the Biological Sciences curriculum unites portions of these sciences with technical training to provide students with a broad background. This allows graduates possibility of employment with many different agencies.

After a common first year, the student moves into one of three second year program options: Laboratory and Research, Pollution and Environmental Sciences or Ecological Sciences.



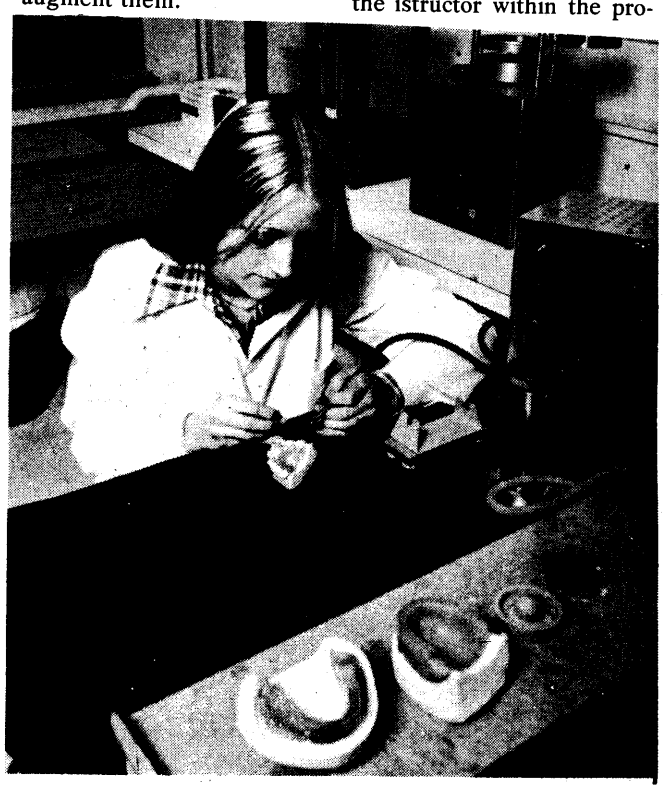
Dental Assisting

The modern dental assistant is part of a dental health team with the dentist as the pivotal member and the assistant a necessary axuliary. Dentistry in the future will require greate knowledge and even more precise skills. Dental assisting skills will not replace those of the dentist but augment them.

The primary method of learning within the Dental Assisting Program is self-directed study. This means the students work at their own speed, following course objectives and criteria for evaluation. In dividual packages of learning materials and necessary equipment to assist with the learning process. The role of the istructor within the program is one of advisor, counsellor, trouble shooter and evaluator. The instructors are available within the classroom invironment, at student staff meetings and as required for remedial work. Each student is provided with a staff advisor that will meet with them on a scheduled basis to discuss program objectives and concerns.

The career offers a variety of interesting employment opportunities, general practice, pubic health clinic, hospitals, and Faculties of Dentistry, or specialists offices.

Graduates obtain the NAIT Certificate in Dental Assisting, and are eligible to apply for Provincial and Natinal Certification, without examination.

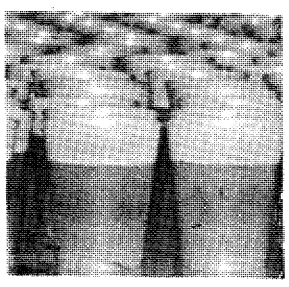


Dental Lab. & Mechanic

A Dental Laboratory Technician provides a service to the dental profession by construction of a variety of dental prosthesis--complete dentures, partial dentures, gold crowns and bridgework, ceramic restorations, and orthodontics. The two year program in Dental Lab Technology provides technical training in the construction of these dental appliances.

The Dental Mechanics profession is relatively new in the province of Alberta. The proficient Dental Mechanic has a thorough knowledge of the theoretical and practical aspects of complete dentures, repairs, and relines.

Equal opportunities exist for both male and female students.



Dietary

A Dietary Technician is a person employed as an assistant to Dieticians or Food Service Managers in hospitals, cafeterias and restaurants. With adequate work experience, a technician can assume responsibilities of operating a small Food Service Department. A Dietary Technician has had formal training in the fields of meal service, food production, normal and therapeutic nutrition.

Graduating students will be able to apply principles of nutrition, supervise the production and service of quality food, prepare basic meals, 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 and implement cost control measures.

The length of the dietary program is two years. The durations of the first year is from September to May. This year consists of an introductive food production, followed by classroom instruction, including food labs. The second year consists of practical training, which is ten months in length at various food service institutions throughout the province. The second year is concluded with a six week summary course at NAIT.

The Dietary Technology course provides an opportunity to work in various jobs throughout the province which brings about interest and satisfaction for the student.

A person entering Dietary Technology must have the following requirements: a minimum standing of 50 percent in Grade XI English, Grade XI Mathematics, and Grade XI Science.

Earth Resources

The location, proving and development of coal, industrial minerals and petroleum resurces, upon which our economy is highly dependent and which is a prerequisite to developing technology, presents a tremendous challenge for today and the future. Varied and rewarding employment opportunities are open to those trained in the earth resources technologies in field and office operations.

Employment may be found with the exploration, production and engineering departments of petroleum and mining companies throughout Canada and with exploration and producing companies whose expanding operations in Wester Canada have created an increasing employment market.

Chemical Technology

Expansion of various phases of the chemical industry in Canada has resulted in a continuing demand for skilled chemical technologists. Employment opportunities exist throughout Canada for men and women in many industries: petroleum and natural gas processing, petrochemical, pulp and paper, tar sands extraction, commercial and research laboratories, food and beverage industries, and agriculture

Challenging opportunities also exist in university and college departments of chemistry and biochemistry. Numerous government agencies such as environmental control, forestry, healthy research councils, atomic energy commissions and the Defence Research Board also hire chemical technologists.

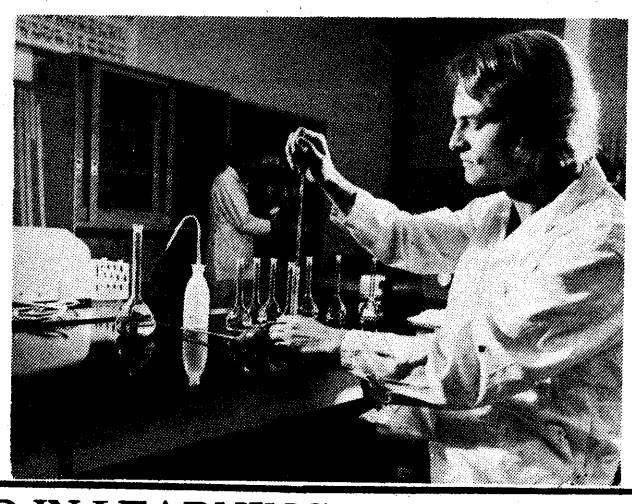
Graduates of Chemical Technology receive excellent starting salaries and opport unities are ofter present for advancement to positions of greater responsibility and challenge. the broad training in fundamental chemical principles, basic laboratory techniques and modern chemical principles, basic laboratory 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 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 Canada.

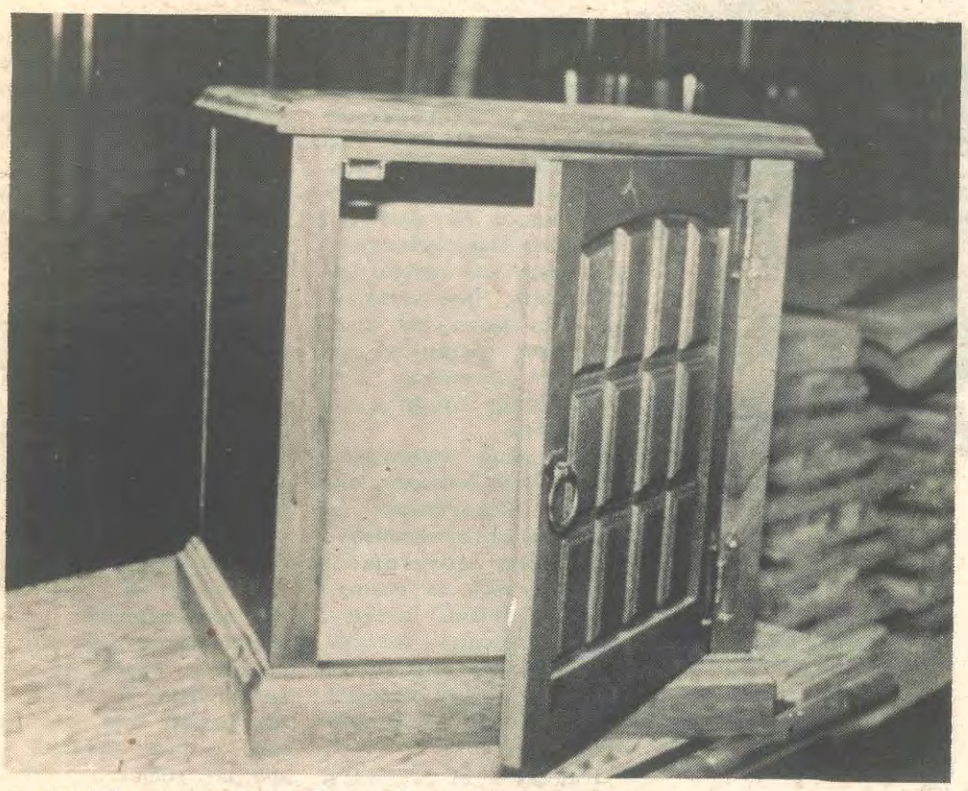
The Chemical Technology program provides a strong emphasis on laboratory skills together with a broad theoroetical background. It is designed to train technologists to work with professional chemists and chemical engineers in a wide range of chemical activities.

The first year of the program provides instruction in the basic branches of chemistry: inorganic, organic, physical and analytical chemistry. In the second year, students take a core program of subjects combined with a choice of one technical option in each quarter. These options include environmental chemistry, basic chemical engineering, microbiology, statistics and materials testing.

Prospective students are also encouraged to take advantage of the buddy system offered by the chemistry section. This arrangement allows students an opportunity to view the program and facilities at first hand by auditing classes and labs prior to enrollment at NAIT.



Industrial Division



Millwork & Carpentry

The program of Millwork and Carpentry is designed to provide the student with a fairly broad background of methods, materials, tools, machinery and equipment used in the woodworking industry. It gives the student the opportunity to learn the theory and skills needed in factory woodworking, construction carpentry and in the cabinetmaking trade. The student may use it as an exploratory program to gain insight into the various aspects of woodworking or as a preparation for employment in the woodworking industry.

The course is divided into six main subjects: Millwork, Carpenty, Blueprint Reading and Drafting, Mathematics, Woodfinishing. The approximate time allocation in most subjects is one-third for theory and two-thirds for practice. Millwork and Carpentry theory and shopwork are given concurrently and are designed to interrelated and complement each other.

The number of students in a shop class is limited to 16 students with each student having access to a complete set of handtools and a bench station equipped with a woodworkers vice.

Students are required to set up and operate woodworking machines and equipment. Each student is required to work on wood projects on an individual and on a group work basis. The wood projects are designed to provide maximum opportunity for learning and, whenever possible, a useful article for the student to purchase.

All shop and theory classes are instructed by qualified journeyman carpenters or cabinetmakers.

Educational pre-requisites call for a Grade 10 education. In cases where the applicant is mature and has had experience in woodworking or related fields exceptions may be made. Prospective students must be 16 years of age or older and must have a reasonable knowledge of written and spoken Englsh.

The most essential requirement is the applicants interest in wood work and the desire to work accurately with measurements and machine tools.

Pre-Technology

Each year, approximately 110 students enroll in Pre-Technology in order to upgrade themselves in core academic areas so that they are able to be admitted to, and be successful in, a technology program. Here are three streams in the program so that students from widely varying backgrounds can be accommodated: programs A and B and BJ. Each stream concentrates on Math, Physics, and English, with the A and B streams allowing for electives as well.

Program A is the largest; students receive extensive review in core areas, and can take electives such as chemistry, mechanics, drafting, machine shop, computer science, electronics, sound, data analysis, and advanced math. Program B offers the same course backgrounds in core areas. The BJ program is the most quickly paced, since it starts in January, and ends in June. The students take Math, Physics, and English only, as time does not allow for electives.

Successful Pre-Technology students are qualified to apply for admittance into 19 NAIT technologies, as well as being eligible for high school credits in English 33 Math 33 and Physics 32.

For students who are planning on entering NAIT technology, there are three distinct advantages to them taking their upgrading in the Pre-Technology Program as opposed to some other route.

The first is the orientation sessions sponsored by various technologies. Throughout the year, once a week, a different technology head holds an information seminar regarding his technology - one which suits his abilities, and which offers employment which interests him. A second year advantage is that of simply being in the NAIT environment for a year. Students get the 'feel' of the institute, and have the opportunity of talking to students already enrolled in various technologies, thereby giving them an even better chance of choosing the technology best suited to their interests and aspirations. A third advantage is exposure to NAIT's particular style of education. The Pre-Technology courses are taught in a manner similar to that of technology courses, with the same focus on practical application of theory.

Over the years, many students have gone on from the Pre-Technology programs to successful completion of the technology of their choice. Pre-Technology is an efficient method of obtaining sufficent knowledge to be successful in a technology, and it offers a year of exposure to NAIT its resources, and its methods before students make that important step of entering a technology program.

Air Conditioning & Refrigeration

DISPLAY ROOM A-188

Welcome to NAIT's Open House! The Air-Conditioning students and instructors invite you to our displays which are highlighted further in this article.

We would like to explain the Air-Conditioning and Refrigeration course and the purpose it serves.

This two-year course is designed to train technicians in the Air-Conditioning, Heating and Refrigeration field. Refrigeration has become a major aspect in industry including manufacturing processes, product storage, and product transportation. Air-Conditioning and comfort systems are employed in many industrial, commercial or residential applications.

This provides a broad field in which graduates of this course find themselves in demand. The Air-Conditioning and Refrigeration Technologist, upon graduation, has the choice of design, control, maintenance or sales of these systems. Such varied and diversified employment which is available to graduates should appeal to many individual ambitions.

THE BASIC COURSE

The course consists of a mixture of theory instruction and lab work in a variety of subjects.

The first year supplies basic understanding of the Air-Conditioning and Refrigeration course necssary for design and maintenance. There is basic math courses and physics course to ensure understanding of other subjects in this technology. A basic refrigeration course, consisting of theory and practical lab, teaches the fundamentals of the refrigeration cycles along with the components, the controlling and selection of refrigeration systems. Instruction is provided in electricity the principle of current flow, induction, AC power and three-phase systems including motors, starters, and transformers. Of course, drafting instruction is provided to show basic principles of engineering drawing and improve drafting techniques. A communications course deals with communication problems as well as proper letter and memorandum writing with a technical approach. Air-Conditioning theory and lab discusses human comfort conditions, psychrometrics, air-conditioning load analysis and testing procedures. Control of air-conditioning equipment using electric controls is taught as well. Plumbing, machine shop, sheet metal and thermodynamics are included in first year instruction.

The second year of the Air-Conditioning and Refrigeration course continues with many of the same courses becoming more specific and more practical, especially in the design aspect of the field. A computer course in basic provides an interesting and valuable addition to the Air-Conditioning course as computer programming for control of systems is becoming more and more widespread. Refrigeration theory now keys on component selection, special application, and the absorption refrigeration cycle and a lab analysis course discusses defrosting, testing, and trouble shooting of refrigerations systems.

Electronic and pneumatic controlling of equipment is covered in the Controls course as well as boiler controls and radiation detectors. Piping drawings and hydraulic and pneumatic control circuits are included in the Drafting course. Also mechanical detail drawings is taught with emphasis on radiation heating and ducting drawings. A Chemistry course provided information on industrial gases, corrosion, and water treatment and softening. In the Communications course, a detailed technical report must be prepared and a speech given before a panel of instructors, guests and students. A Sound Control class deals with human hearing, sound power levels, damage risk, noise reduction and testing procedures necessary in the design of a structure.

The sixth and final quarter gathers all the knowledge of the preceding five quarters and applies it to a design project. This design project is an actual building to be built, in which the student must design the hating layout, air distribution, sound reduction and entire system controls complete with component selection, load calculations and mechanical drawings.

Throughout the course the students will go on field trips to typical mechnical installations as well as mechanical rooms in NAIT itself. The course also provides room for physical education in the many facilities at NAIT.

PROFESSIONAL OPPORTUNITIES

The Air-Conditioning and Refrigeration Technology has had excellent success with employment of its graduates. Because of the limited number of graduates, there is usually more jobs available to these technologists than there are technologists. Some fields of employment available are listed below:

Design

The graduate will work for a mechanical engineering consulting firm. He will work closely with an engineer and will eventually design all ventilation, heating and cooling systems for commercial applications such as office buildings, schools and hospitals. He could also be involved with industrial process design, including process component design and selection. Designing will include specifying all types of manufacturer's equipment.

Engineering Sales

Manufacturers of air-conditioning and refrigeration equipment need qualified technical sales representatives to promote and sell their products. The graduate will work for the manufacturer directly or for a sales agency. He will call on consulting firms to promote specification of the product he represents.

Operation and Maintenance

Graduates in this field will be in charge of large air-conditioning or refrigeration systems in office complexes, shopping centres, or other applications. These large systems require an engineering technologist to operate and maintain the complicated equipment. He will have to analyze component or control problems and supervise repairs.

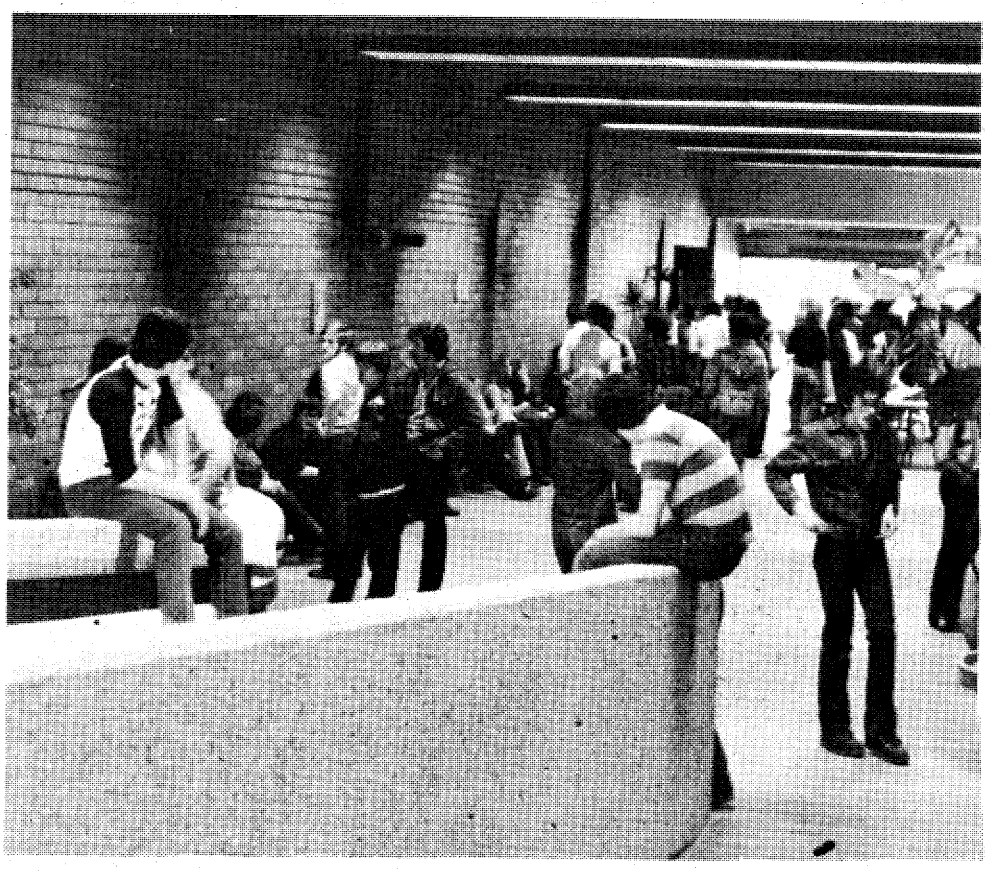
Power Engineering Technology

Recent industrial developments have resulted in an expansion of the Power Engineer's duties and responsibilities, both operational and technical. Provincial Acts require the certification of competent engineers before they may assume responsibilities in a power plant. There are four certificate levels; Fourth, Third, Second and First Class. Each level involves a qualifying time requirement and an examination administered by the Boiler's Branch, Department of Manpower and Labour.

There is at present a scarcity of certified Power Engineers, and the expanding industrial economy is continually increasing the demand. Today's ambitious Power Engineer is confined by no trade or industrial boundary in searching out his most rewarding level of employment in terms of money or job satisfaction.

Industry offers secure, steady and well paying jobs in an occupation which is vital to power and process industries.

Certified Power Engineers find employment in power generation plants, nucler plants, refrigeration plants, mining and smelting, petrochemical plants, pulp and paper mills, plastic industries, lumbering industries, distilleries, food processing industries, hospitals, hotels, office and apartment complexes.



Forestry

Our Forest Technology course is directed primarily to the training of people who will be capable of doing the "hands on" technical work in forest industry and in government forests, parks, or wild life services.

The major subject areas are in forest fire technology, forest inventory technique, reforestation technology, and the engineering applied to timber extraction. There is opportunity in second year for specialization in the parks and wildlife disciplines.

The majority of graduates will find good employment opportunities in Forest Inventory (Timber Cruising), Reforestation, Fire Detection and Suppression, Operational planning for timber extraction, or in jobs combining two or more of these areas of responsibility.

The first year, a four week filed camp is held throughout September and starting immediately after registration, a two week Spring Camp is held at the end of the first academic year. During field camps, the students cook and provide their own food.

While the full two-year program is under the auspices of NAIT, the second year is held at the Forest Technology School in Hinton.

Dormitory facilities are available at F.T.S. for single students.

Young people considering Forest Technology should first identify exactly what kind of work they want to do and then determine whether or not our course is compatible with their objectives.

Plastics

A few cents worth of crude oil or natural gas can be upgraded into a plastic toy selling for $3.99 or a kitchen waste basket worth $6.95. Put another way $24.00 worth of oil can be upgraded into $3,500 worth of finished plastic goods and associated petrochemical products.

Practical shop work and laboratory experience accompanies most of the courses listed below. Classroom instruction is reinforced when the student carries out actual processing operations and performs A.S.T.M. tests and quality control procedures. Also the student is required to make, using hand skills and machine tools, plastic components and tooling from wood, steel and synthetic materials.

Industrial Food Technology

The Industrial Food Technology program develops a very broad range of practical capabilities through hands-on experience in microbiological testing, food analysis, quality assurance, equipment operation, food processing and packaging, and in planning, scheduling, costing and supervision. Courses include theory, extensive laboratory training, operation of pilot scale processing equipment, industrial problem solving and organized industrial food plant visits.

Graduates of this program are employed in the many branches of the food industry in quality control testing, in process operations and in supervising production as well as in government testing laboratories and inspection services.

Mechanical Ind. Eng. Technology

The Mechanical Industrial Engineering and Technologists function as members of the engineering team to determine the suitability of design, materials, machinery and control procedures. They may conduct studies of machine and manpower utilization and devise means to increase their effective use. They may select production equipment and plan the productive processes, estimate product costs, schedule work, specify inspection equipment and devise quality control systems.

The metal working industry has been chosen as a medium of instruction. Numerous tours through local plants will provide students with experience beyond the confines of metal working.

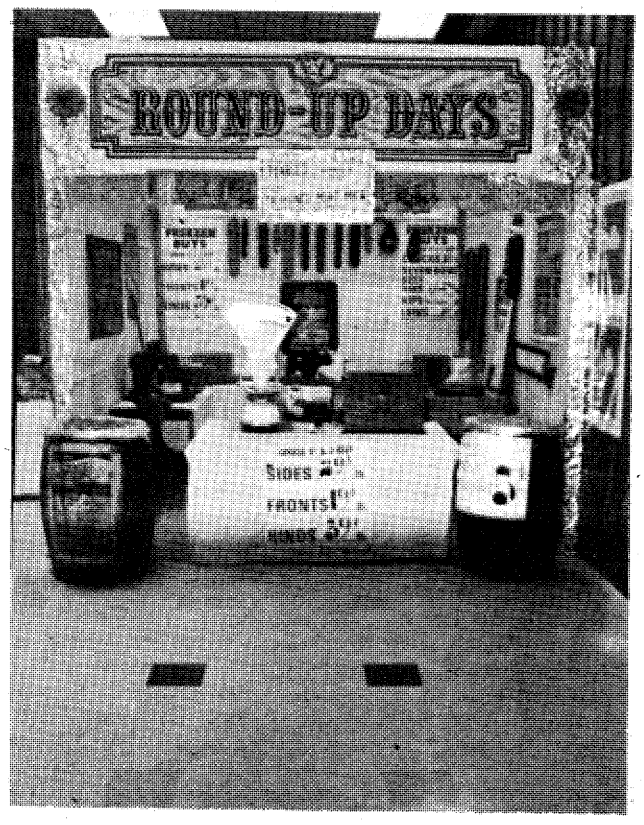
Retail Meat Cutting

The course is provided to fill the growing demand for men skilled in the trade of retail meat cutting who have a knowledge of the preparation display and merchandizing of foods normally handled in a commercial meat market.

The course covers all aspects of meat cutting, beef, veal, pork, lamb, together with the preparation of poultry and fish for sale.

Practical skills will be developed in the institute butchers's shops which are fully equipped with hand and power tools, refrigerators, freezers, and display units. The students will be taught wrapping, packaging, and merchandizing of these foods.

These practical skills will be backed by the study of the structure, composition, classification and grading of meats, poultry and fish, their preservation and processing together with a full understanding of the sanitation and hygiene requirements and practices for the operation of a meat market. An appreciation of costing and business management is also given.



Retail Meat Cutting
Open House Meat Sale
Old Cafeteria

Medical Dicta-Typist

As a member of the paramedical health team, the dicta typist should possess an earnest desire to maintain high standards of proficiency and accuracy in her work in order to assist the medical profession in keeping standards of patient care at a high level.

A one-year program is offered, combining a background of theory in Medical Terminology, including diagnostic and surgical terms, Business English, Anatomy, Physiology and Pharmacology, with concentrated practice in machine transcription of medical and surgical reports.

Health Record

The Health Record stores the knowledge concerning the patient and his care during hospitalization. Information in the record describes the investigators, treatments and results of the patient's care.

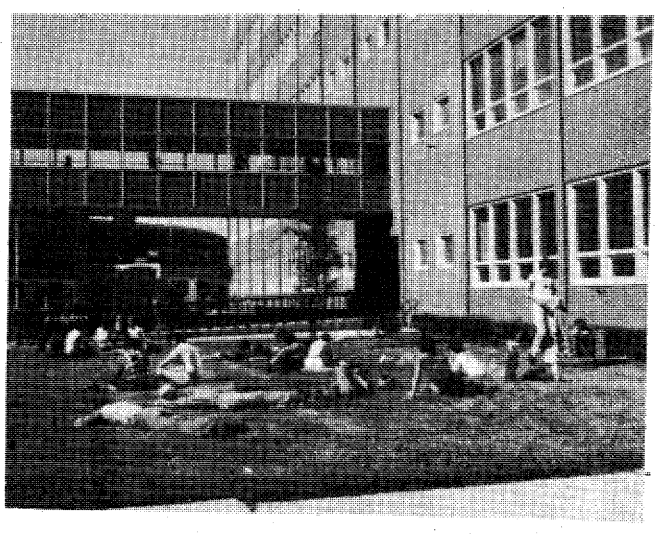
An aptitude for detail work leadership qualities, ability to work with medical and nursing personnel is essential.

Primarily, employment opportunities are in the Hospital Medical Record Department. Provincial and Federal Government Departments employ Health Record Administrators for classifying disease and operation entities for statistical reports.

Industrial Heavy Equipment

The objectives of this program are to produce graduates, who be virtie of their additional knowledge will emerge in analysis, leadership and design positions in the heavy equipment service field.

Continuing expansion in the construction, coal, petroleum and petro-mining industries in Albeta has resulted in a dramatic need for heavy equipment service personnel. The heavy equipment service industry encompasses all diesel powered on-off highway and stationary types of equipment.



In Alberta, the demand for Materials engineering Technologists continue to be high. The good wages and salaries reflect the shortage of skilled personnel in this area.

Materials engineering Technologists find work in organizations of all sizes from large companies and government through to small private firms. Working environments range from office or laboratory conditions to the out-of-doors. The choice is yours.

Because you work as part of an engineering team, he should enjoy working with people.

ANY QUESTIONS?

Registrar's Department

C. Valens Student Loans Officer & Records
Mrs. L. Reeves Admissions Officer
L. Semrau, Registrar
Rm. 103, 427-9101

We're here to serve you by:
1. Providing program information through distribution of annual 'Calendar', brochures and advertising;

2. Receipt of applications and determining the admission status of each applicant;

3. Registration of all Business, Industrial and Technology students;

4. Maintaining total students records and providing transcripts on request;

5. Issuance of mark statements at the end of each academic period;

6. (a) Financial assistance for adults while taking a training program consisting of less than twelve months may be available through Manpower Development. Eligibility is determined by a Vocational Counsellor at Canada Manpower Centre or Alberta Vocational Training office in your area. Please contact them for further information.

(b) Student Loans:
i. Informaton pamphlets and loan application forms are available from the Registrar's Office, after June ist each year.
ii. the completed loan application is forwarded to the Student's Finance Board by this office, for a decision as to the amount available. The 'Certificate of Eligibility' will be forwarded to the student for 'Registration and Attendance Certification'. The form can then be presented at the bank of your choice for receipt of the funds.
iii. Out of province students - if your permanent home or the home of your parent or guardian is outside the Province of Alberta, you must apply to the appropriate authority in your home province.

STUDENT SERVICES

G. Meadus, Director
Rm. E134D, 4279121
Grey 445

The major purposes of the Student Services Division are to aid each student in achieving academic success and in becoming a fully functioning person, able to cope with life in a dynamic, complex society. We attempt to fulfill these purposes through the provision of a number of professionally staffed programs and services. As well, our Division is concerned with assisting the Students' Association in the promotion and operation of a wide range of co-curricular activities.

We consider each student to be a unique individual and we are eager to be of assistance. Please don't hesitate to call on us at our office E134.

HEALTH SERVICES

D. Champman
Main Campus
Rm. T110, 427-9220
Grey 220

Hours:

Monday - Thursday: 7 a.m. to 10 p.m.
Friday: 7 a.m. to 4:30 p.m.

Saturday: 8 a.m. to 1 p.m.

Patricia Campus - 12204 - 149 Street, 427-9108 Rm. RP 133
Hours: Monday - Friday: 7:30 a.m. - 11 a.m.; 11:45 a.m. - 4 p.m.

Plaza II - 10240 Princess Elizabeth Avenue
Rm. L119, 427-9182
Grey 550

Monday - Friday:
9 a.m. - 1 p.m.

Health Services, with a varied program of health care and supervision, is available to all students and staff. In the event of illness or injury, please report to Health Services for assessment and care.

Assistance is available for referals to doctors and dentists of your choice, other community agencies and for personal health counselling.

Immunization, vision and hearing screening can be arranged by appointment.

Alberta Health Care Insurance is available to all Alberta residents. Please ensure that you are covered and if you are from out of province, contact the out of province office to determine what coverage, if any, applies while you are in Alberta.

COUNSELLING SERVICES

H. Becking, Director
Rm. E121, 427-9183
Grey 416

Sub-Counselling Centres:
Rms. T403 - Business Administration Students, Plaza II - L113, Engineering Sciences Dept. and Pre Technology Students, E121 - Special Career Training and Services

Services:
1. Counselling
a) Individual assistance includes:
l) Educational Counselling
ii) Personal Counselling
iii) Vocational Counselling
iv) Financial Counselling
b) Group counselling sessions may be arranged during the year.
2. Career Planning Program
a) Taped interviews describing all NAIT programs;
b) Group information sessions - the prospective student can obtain specific information. These sessions are available throughout the November lst -April 30th period;
c) Arrange consultation Instructors or Department Head;
d) Buddy System - spend a full day in class with a NAIT student. To make arrangements to attend, contact the appropriate Program Head;
e) Personal assessment of interests and abilities with a Counsellor.
3. Chaplains - Anglican, Baptist, Roman Catholic, Latter Day Saints, Navigators and United Faiths are represented. For further information enquire at the Student Counselling Office in E121 or telephone 416 (grey) or 427-9183 (black)

LEARNING RESOURCES CENTRE

Room U104
Phone 427-9173

L.R.C. Library
J. Paul - Head Librarian

The Library in the Learning Resources Center offers a wide range of resources to support and supplement your course work and to encourage further reading. The print collection offers books, periodicals, and paperbacks; the non-print collection includes media such as videotapes, films and audiotapes; audio, video, and photographic equipment is available for loan; and audio visual facilities have been provided to allow you to view and/or listen to our audio visual materials in the Library.

Special services and facilities are available, including interlibrary loans; information services, study areas, quiet rooms, smoking lounges, photocopy machines, and typewriters.

HOURS:
When classes are in session, the Library is open:
Monday - Thursday - 7:45 a.m. - 10:00 p.m.
Friday - 7:45 a.m. - 4:30 p.m.
Saturday and Sunday - 1:00 p.m. - 5:00 p.m.

The Media Workshop and Typing Lab close one half hour before the Library's closing time. Changes in these hours will be posted,
A branch library is located in Plaza II in Room L20. This library is open Monday through Thursday from 8:00 a.m. to 6:00 p.m. and on Friday until 4:30 p.m.

Your NAIT student idenification card serves as a library card and must be presented to fully access the collections, services, and facilities.

Our trained staff will be pleased to assist you. Remember: If you need help, get in touch with us.

PHYSICAL AND LEISURE EDUCATION

J. Reeves, Program Head
Rm. S109, 427-9267
Grey 6197

This Department offers two hours of physical and leisure education classes per week to all first year students in the Business, Industrial, and Technology Programs. The courses change each quarter thus giving each student the opportunity to select six areas from approximately thirty-five activities offered. Apprenticeship students are also given the opportunity to participate in the program.

The facilities provided at NAIT for Physical and Leisure Education classes and for Recreation include: a large divided Gymnasium, 50 meter Swimming Pool, Racquetball and Squash Courts, Ice Arena, Weight Room, Combatives and Exercise Room, Rifle Range, Indoor Running Track, Bowling Lanes, Football Field and a Quarter-Mile track.

Irwin Strifler, Coordinator of I-M & Interscholastic Athletics
Rm. E135, 427-9280
Grey 374

A. Intramural Program
"Evervone is a winner in Intramurals"
This program is set up after school hours for those interested in making use of and enjoying their recreational skills in competitions against other technologies. The activities range from the less active (archery and snooker) to the more active (hockey and flag football) competitions for men, women and co-educational groups.
B. Interscholastic Program
NAIT is a member of the Alberta Colleges Athletic Conference (A.C.A.C.) offers competitions against other Colleges and Institutes in Alberta. This program offers activities for men and women in Bowling, Volleyball, Basketball, Cross country Running and Skiing, Canoeing, Badminton, Curling and Golf. Hockey and Wrestling are offerd only for the men. A.C.A.C. winners in some activities advance to the 4-West Championships (B.C., ALTA., SASK., MAN.) and then on the Canadian Colleges Athletic Association (C.C.A.A.) National Finals. More information is available in Office E136.
C. Athletic Facilities Recreation Privilege Cards. Full time day students at NAIT may make application for their spouse and immediate family to use NAIT's fine athletic facilities during assigned times, after regular school hours. Applications are available in the Student Services Office, Room E134. There is no charge for these Privilege Cards.

L.R.C. Media Production Services
Room U207
Phone 427-9137

R.A. Hodgson

The Media Production services section of the Learning Resources Centre, in cooperation with the Library provide a variety of equipment and supplies for the preparation of print, graphic and visual materials to support your course work at NAIT. Audio, video and photographic equipment may be borrowed at the Library circulation counter. Typing, graphics, and visual materials may be prepared in the media workshop and typing lab on the second floor of the library.

PLEASE NOTE: The Media Workshop and Typing Lab close one half hour before the L.R.C. Library closing time.

The Learning Resources Centre staff will be pleased to assist you in any way they can.

CONTINUING EDUCATION

The Continuing Education Division of N.A.I.T. provides a broad range of courses for part-time students who are primarily interested in career related knowledge or skill development. Courses are delivered in the evenings, days, weekends, and some by correspondence. The calendar describing courses starting in the fall, will be available by May 26 for registation on or after June 1, 19[illegible]
Courses in the following programs will be offered during the next few months:
Business Administration
General Business
Small Business Management
Foremanship and Supervisory
Technology
Telecommunications
Recreation
Summer Hocky School
Summer Recreation Program
Talk to the people in Continuing Education for more information on the Spring/Summer Courses.

Good Luck at Nait