

naït

Edmonton, Alberta

NUGGET

NORTHERN ALBERTA INSTITUTE OF TECHNOLOGY

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Edmonton

290 HOURS OF SCIENTIFIC EXPERIMENTING; APOLLO XVI

Apollo XVI. Here now, everyone casually comments that — "Oh yes, the U.S. has another moon mission in progress." But this one Apollo XVI is different, a completely new mission, the second last in the current apollo series.

This mission is the most complex to this date. This mission has the lunar module (Orion) landing in the mountainous region of the moon. The ninth and tenth men to walk on the moon's surface, stay for three days on the moon, for the longest length of time maintained on the desolate surface of the moon. This twelve day round-trip to the moon is monitored closely in terms of health of the astronauts.

Liftoff occurred Sunday, April 16 for Apollo XVI, at 10:54 a.m. Edmonton time. With a beautiful liftoff, then one and a half orbits of the earth, the third stage engine fired increasing the speed and sending the spacecraft to the moon. Wednesday the spacecraft was in lunar orbit after sweeping to the far side of the moon. Thursday the lunar module separated from the Command ship, they became "Orion" and "Casper" respectively. With a successful landing on the moon, explorers began many and various experiments. The experiments included in the Apollo package are: 1) a passive seismometer to measure moonquakes. 2) an active seismic experiment which will create small tremors at the landing site after the astronauts have returned to earth. 3) a magnetometer to measure the variations of the moon's magnetic field. 4) a heat flow experiment which will indicate how much heat is moving from the moon's interior out to the surface. This experiment will indicate the temperature of the moon's interior.

In the command ship, Casper, many functions will take place. Once in lunar orbit the service module has various instruments functioning, a chemical group which will give an overall picture of the chemical composition of the lunar surface, instruments measuring the variation in the moon's gravitational pull, a large altimeter to obtain the height of the various lunar landscapes, a panoramic camera for high surface resolution and a special

mapping camera for pinpointing surface features.

From tests performed during the Apollo XVI moon mission, scientists hope to resolve conflicting evidence about the moon's interior. Reading the lunar heat tests, experts will determine the actual interior of the moon — its heat and its radioactivity. The mountainous landing site is ideal because of the difference from Apollo XV's measurements site. With this information scientists hope to unravel both the moon's and earth's early history.

From the pictures taken during this mission, astronauts hope to provide missing links in the universe. These are pictures taken of galaxies many light years away. Because of the earth's atmosphere only 10% of what is out there is actually seen by the earth's astronomers. These moon pictures hopefully show the other 90%. The photography equipment is man's first astronomical observation of another celestial body and may resolve the riddle of the missing matter of the universe.

Apollo XVI crew consists of Captain J. W. Young, the commander, C. Duke, the lunar module pilot, and T. Mattingly, the command module pilot.

Young is on his fourth space mission and is the only man to walk the moon twice. Duke is on his first mission in space and performs experiments on the moon with Young. Mattingly stays in lunar orbit during his first mission. He was previously scheduled for flight on Apollo XIII, but was in contact with German measles so couldn't fly. This crew is being closely monitored by the space agency medical experts. Since the irregular heart rhythms reported by Apollo XV moon explorers, medical experts are disturbed about the health of the Apollo XVI astronauts. In monitoring the astronauts health, NASA doctors are checking: Heart rhythms of the astronauts, the astronauts must save their urine samples for a twenty-four hour period, check the potassium percentage in the astronauts body, sleep checking relating heart rhythms to earth patterns, X-rays of the astronauts hearts, and less radio chatter during sleeping periods. With this information, doctors

will be able to show the earth body patterns with space body patterns and conclude on the effects of space travel.

After completing all experiments required of the moon explorers; gathering moon samples, traveling the surface on the moon-buggy, the lunar landers leave the moon's surface Sunday April 23. With Orion, then re-attached to Casper, the Apollo XVI orbits the moon two more days taking photographs and performing more experiments of the moon. A sub-satellite carrying 3 experiments hopefully to operate over a year in lunar orbit will measure the lunar magnetic field; is launched during this period. Mattingly walks in deep space to retrieve the film cassettes from the service module embedded in the command ship. The Apollo XVI moon mission ends today with splash-down in the Pacific Ocean after a total flight time of 290 hours or some 12 days and two hours.

AT HOME WITH TRACY



While arriving home last Tuesday, I heard that Miss Teen Edmonton was going to arrive at the International Airport that evening. I knew that she was the first runner up in the Miss Teen Canada pageant but little else. I did not even know her name. The situation had to be remedied. When I got home I found out her name and phoned her place, to see if I could interview her for this paper.

Her mother answered and said that when Tracy got back from Toronto that evening she would ask her. When I phoned back

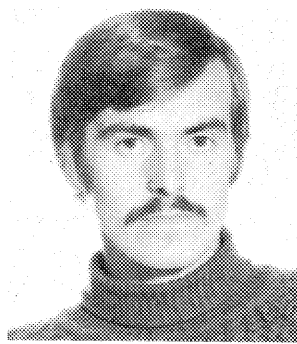
later on Mrs. Tochar said the interview would be okay.

Arriving at the Tolchard residence ten minutes early, I was greeted at the door by Tracy. First impressions are often said to be the correct ones; my first impression was that it was indeed a beauty contest. She invited me in and we went downstairs to do the interview. I might add that the Tolchards have a very vicious dog.

We talked for a long time about the whole idea of being

(Continued on page 3)

JARO POLK



NAIT can look forward to a great deal of activity in the near future as pertaining to the expansion of the Institute. There has been much talk about the fact that many students are not happy with the education that is received across the river. Many students in actuality are leaving the great halls of learning across the river and coming to NAIT where they have a better chance of finding employment upon graduation. Thus the Alberta Government is taking a

second look at their priorities as pertaining to post-secondary institutional granting . . . When one takes a good look at the scheduling of the television stations it becomes more and more evident why so many people in the Edmonton area are having cable-television installed in their homes. The fact that the additional channels are American concerns has little to do with the quality that is offered with the locals . . . Those Boston Bruins have to be something else, and along with the Rangers they will provide the Television Audiences with what could be the most exciting hockey Stanley Cup playoffs in a long time . . . Jim Lawson (Vice-President) of NAITSA may not be winning a popularity contest but what he has managed to do is keep many of the executive members on their toes. His absolute original approach to many student problems will add a bit of authenticity to the whole NAITSA or-

ganization. Many student officers seem to forget that they are a part of a \$100,000 organization and that is not peanuts in anybody's books . . . Looking forward to Awards Night one can not help but to think that a young man from Electronics may be in the spotlight on Awards Night. This young man has proved Electronics well in the students' eyes. His constant pushing of Electronics students has made many of the functions put on by the P.R. department a success, when there was question to believe the contrary . . . That Plastics bit that appeared in the column last week managed to raise a few eyebrows. As a matter of fact the newspaper managed to collect a whole two letters to the editor and that has to be some sort of record this year. The letters will appear on page two of this edition side by side and the students can choose which letter appears more factual. . .

NUGGET

MEMBER OF THE CANADIAN UNIVERSITY PRESS

The Nugget is always in need of students who would like to work on a paper. We encourage you to take an active interest in the student paper. If you have any particular questions to ask the members of the Nugget staff they can be reached in the Nugget office E128. We are always in.

EDITOR Georg Wowk
SPORTS EDITOR Leslie Foster
ENTERTAINMENT EDITOR Howard Hariton
Ken Caspell
FEATURE EDITOR Brent Kostyniuk
FEATURE WRITERS Tom Vandriel
Alicia Maluta
Jaro Polk
SECRETARIAL STAFF Fay Yakemchuk
Chris Slobodian
ADVERTISING Howard Hariton

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Nugget Phone 477-4329 Advertising Phone: 477-4342

Classified ADS:

FOR SALE — One Two-way, twelve channel citizen band Radio contact Larry Slippery at E133 or phone 425-8194 after four.

FOR SALE — One five channel Citizen band two-way radio, contact Larry Slid at room E133, or phone 425-8194 after four.

TASCHUK - WAEGE — Mr. and Mrs. Peter Taschuk wish to announce the engagement of their daughter Linda to Leonard Waage, son of Mr. and Mrs. Walter Waage. Wedding to take place on September 2, 1972.

ELECTRONICS engineering TECHNOlogists Society
President: E. Touping — won.
Gary Bridge.
Vice President: Rick Welk—Won
Ken Harmata
Secretary: John Booth — Acc.
Social Convenor:
Gordon Hareuthers—Acc.
Treasurer: Dennis Husky—Acc.
Sports Rep.:
Tim Robertson—Acc.
*ACC—in by acclamation.

MENS INTRAMURAL FLOOR HOCKEY
No. of Teams — 24
No. of Participants — 298
A total of 24 teams were divided into four-six team leagues. The top two teams in each league entered a single elimination play-off.
The last game was a two game total point series with Telecommunications edging Instrumentation 10 to 8.

MENS INTRAMURAL FLOOR HOCKEY FINAL STANDINGS

Technology	Part'n Points	Add'n Pts	Total	Intramural Points
1. Telecomm.	15	100	128	150
2. Instruments	15	10+50	85	143
3. Computers	15	10	35	136

LETTERS TO THE EDITOR

11649 - 90St.
Edmonton, Alberta
April 22nd, 1972

Mr. Jaro Polk
Editor - Nugget
Northern Alberta Institute of Technology
Edmonton, Alberta

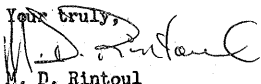
Dear George:

In reference to your article in April 21st, 1972 on job placement of Plastics Technology students, I wish to suggest the following corrections:

- (1) An Advisory Board Member (Dr. Eagles) did not say what you said in your article, but, the personal manager of CIL Mr. Hesten said he had talked to Dr. Eagles and the two of them had wondered where the Plastics Tech grads would go, for jobs.
- (2) Mr. Hesten said that plastics grads were out of luck for job placement at "CIL" because we were over qualified to operate their machines at \$3.95 per hour and under qualified to get into their lab.
- (3) That this "news" did not come from Dr. Eagle but from Mr. Hesten of CIL.

The purpose of this request for correction is to correct the meaning of the words and context of your article. Your article should have been directed towards CIL and not the field of the plastics industry in general. Also that Mr. Hesten (CIL) had talked to Dr. Eagles and not the reliable source of your article.

In anticipation, thank you for your co-operation in making the above mentioned article more "specific"

Yours truly,

M. D. Rintoul
2nd year Student
Plastics Technology

N.A.I.T.

"Jaro Polk", The Nugget.

Dear Mr. Polk.

22nd April

Your reference to Plastics Graduates chances of job placement this year is all the more objectionable for being ill-informed, destructive, and what's more, easily refuted. (Your source claims it was mis-reported, into the bargain.)

A gossip columnist who hides behind a so-called "reliable source" - hackneyed phrase - is usually disguising his own laziness to confirm a baseless rumour.

Here are three facts - repeat, facts - to put in your column for a change:

- a. Your source of alcoholic gossip has never discussed job opportunities with a member of the Advisory Committee, (and quite likely hasn't met one.)
- b. There are six students in Second year Plastics.
- c. Twelve job offers have come from the Industry so far this quarter.

I suggest that you either start doing your job properly, or else stand down and make room for a more constructive editor.

Yours truly,


D. Bannister.
Plastics Instructor.

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TRACY...

(Continued from page 1)

Miss Teen Edmonton and what it means. The problems and pains as well as the benefits.

Although the Miss Teen Canada pageant is not as formal as the Miss Canada Pageant, there is a lot more to it than just Looks. The girls are judged on how well they perform during the show, the ad libs they do just before the final judging and through the interviews with the judges.

"I've met a lot more people but I don't like the idea of people wanting to be my friend just because I have this title. My closest friends really understand and we have a lot of talks about making sure that I don't change. We really understand ourselves. They don't joke around about it. They want the best for me. They are the types that wouldn't get into anything like this and since I have they're going to make the best of it."

"I don't think it has really affected my life. Before I even went into it, I said to myself that if I make it I'm not going to change. I didn't want to. And that's what you have to do before you get into something like this. You have to make up your mind whether you're going to change or whether you're not. I'm a lot busier than I was. I model and it's got me a lot more jobs and lot more people in the city may know me even though I don't know them.



My family really have to put up with me. I have to get from one place to another quickly and they really have to rush around and I'm very impatient."

I remember two years ago when I won Miss Teen Edmonton most of the kids at school were good about it and congratulated me. There were some girls who were very jealous. There were also some people who I did not know and who would yell things like 'Hey Queenie' when I walked down the hall. That really bothered me. I also hear people who I don't know talking about how I've changed, how I've become snobby and have a swollen head. That really makes me mad for making past judgements on people.

When I went back to school today people came up to congratulate me. But there are some people who come up to me and don't know what to say. They say something like why didn't you win and then they leave.

What's it like being Miss Teen Canada's sister? Tracy's sister Dana says that it makes you feel very ugly but then you can always borrow her clothes.

I think the saddest part of the whole Miss Teen Edmonton pageant is that we don't have half as many entries as some of the smaller cities do. I think the girls in the city are too afraid to put their entries in. I think they are afraid of what their friends are going to say if they don't get in. It's really too bad if this is what they have to worry about. I worried about it the first year that I was in but I overtook it and forced myself to get into it. Another thing that they may worry about is the interviews the finalists have to do with people such as Ivor Dent, Jo Greene and Carl Sweetan.

You can never lose in a pageant like this. There is no such a thing as a loser because you gain so much confidence and experience, that there is nothing to replace it. Every girl between the ages of 14 and 18 need this and there are so many that have not got it.

I've gained a lot more self confidence and experience.

Tracy would like to enter another beauty pageant if the opportunity arose and if she had the required talent.

She does have very definite plans, however, for after high school. In the fall of 1973 she hopes to enter the Radio and TV Arts course at NAIT. She even has her application in.

THE WORLD YOUR FAMILY

A World United.

That one indeed is a man who, today, dedicateth himself to the service of the entire human race . . . Let your vision be world-embracing rather than confined to your own self . . . Ye are all the fruits of one tree, the leaves of one branch, the flowers of one garden . . . The fundamental purpose animating the Faith of God and His Religion is to safeguard the interests and promote the unity of the human race, and to foster the spirit of love and fellowship amongst men . . . The earth is but one country, and mankind its citizens. — Baha'u'llah.

The lovers of mankind, these are the superior men, of whatever nation, creed or color they

may be . . . God is no respecter of persons on account of either color or race . . . Inasmuch as all were created in the image of God, we must bring ourselves to realize that all embody divine possibilities. — 'Abdu'l-Baha.

To the persons of no formal creed or religion who looks for a better world and for a purpose in his own life, the Baha'i Faith offers a dynamic opportunity for service. In the Faith he can join hands with his fellow believers in a great Baha'i world community. His opportunity to serve is limited only by his own talents and capacities. We cannot serve God unless we serve humanity. If we turn our backs on our fellow man, we are turning our backs on God.

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The Public Relations Dept. of NAITSA is currently looking for two students to take charge of internal and external P.R. work under the supervision of the director of public relations. These positions are open to any first year students who will be returning to NAIT in September. Those interested are asked to contact Al White in E-129B any day at 12:30.

The Publications Department is currently looking for qualified applicants for the positions of YEARBOOK EDITOR and Proto-Director. Successful candidates will organize and direct the publication of the 1973 NAIT "Northern Torch" under the supervision of Kathleen McConaghy, Publications Chairwoman.

Interested students should submit descriptions of their skills and any plans they would be willing to implement if they attained either position to David A. Rayner, care of The Northern Torch, E134.

B.A.S. STAG

(WIND UP)

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Spring has Sprung

Photo by HANTELMANN