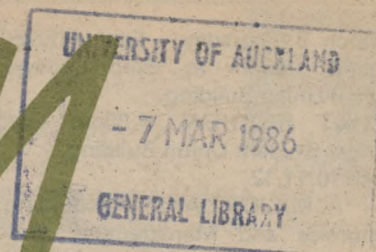


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CRACCHUM



Auckland University Students Association, Incorporated

Volume 60, Issue 2, March 3, 1986.

AUSA NOMINATIONS BY ELECTION

Nominations are invited for the Executive positions of:

Media Officer
Sports Officer
International Affairs Officer
Overseas Student Officer
Societies' Representative

The term of office will be from the term of appointment to 31 December 1986.

Each member of the Association is eligible for nomination for any one of these positions provided that her/his subscription has been paid **BEFORE** nominations.

Nominations must be in writing and signed by at least three (3) members other than the nominee.

Nomination forms are available from the Association Receptionist during office hours.

Nominations *close* with the Secretary *at 5pm* on *Friday the 14th of March 1986* and a by-election will be held on *25th and 26th March 1986*.

Pilar Alba
SECRETARY

24th February 1986

COMING EVENTS

March 6 Thursday - First AIESEC meeting 1.00pm in Exec Lounge, Student Union Building.
- CHAT & CHEW. 4.30pm Exec Lounge, Student Union Building.
March 10, 11, 12

MAJOR DAYS - Accounting, Economics and Management. Held between 1 and 2pm. A chance to hear from a businessman, lecturer and student on each area.

Once again thanks and if you have any trouble reading my terrible hand writing or decoding my spelling feel free to contact me on Ph: 478-3822.

Andrew Fraser,
Publications Officer

Tuesday 4 March. 'Consensess Day.'
With wasted times in the Quad. 4 x bands from 11am-1pm, 2pm-4pm. Including Marijuana Law Reform forum 1-2pm which includes guest speakers, along with Champagne cocktails and quick fire raffles. Even a silly club stall in the Quad! Nite - Shadows bar open in the Quad, 11am 4pm. NORML formed on campus last year and now we are one of the biggest AUSA clubs. Really active socially and politically too. Join our club for good times while we try to change oppressive laws. B.Y.O.D. YOU ARE NORMAL.

WOMEN AND THE BIBLE

The issues involved in today's world. Speaker: Glenys Hampton, B15, Friday 7th March, 1pm. Organised by Christian Social Issues Group. For more information, phone Ray Galvin, Uni ext 7732.

Calling all book lovers, record players, bargain hunters!
A BOOK AND RECORD FAIR on Saturday 8 March 9.30am - Noon. Quaker Meeting House, 111 Mt Eden Rd.

WOMENS' SURVEY

If you still have a copy of the WOMENS SURVEY handed out to you during enrolment - please return it to : the box in Womens Space in the Student Union; or the front desk of AUSA; or to Joy Todd, Rm 627, Level 6, Human Science Building.

Your opinions and experience are important to this M.A. research. Thanks for your time and effort. Joy T.

EVANGELICAL UNION - ORIENTATION ACTIVITIES

Tues 4 March 1.00 - MLT 1 - Main meeting: Brought to you by the letters 'E.U.'

Wed 5 March 1.00 - lawn by tent (Rudman Gardens) - A wizard Famous Five tea party!

Thurs 6 March 7.00pm - outside Recreation Centre - Drop-in movie evening.

Tues 11 March - 1.00 - MLT 1 - Main meeting: - 'Faith'

Wed 12 March 1.00 - lawn by tent - Tea Party.

Fri 14 March 1.00 - MLT 1 - Debate on Pacifism.

Sat 15 March - Beach Day - details to be announced.

PUBLIC MEETING

THE FILIPINO PEOPLE'S FIGHT FOR JUSTICE.

Speakers: Helen Clark, Fraser Wood, David Murray, Jane Kelsey, Maire Leadbeater.

Tuesday March 4, 7.30pm
McLaurin Chapel, Princes St.
Further details Ph 769-248.

SHADOWS HOURS

Mondays - Thursdays

4pm to 10pm

Friday

12 noon to 2pm

4pm to 11pm

(\$1.00 cover charge)

1st Monday of the Month

4pm to 7.30pm

8pm to 10pm (Women only)

Every Tuesday

Happy hour 6pm to 7pm.

Half price on draught beer and wine!

Admission to Students with Uni I.D.

and two accompanied guests.

A.U. YOGA SOC.
HOLISTIC SEMINAR UNIVERSITY SAFE SUN
9 MAR '86 10am - 4pm
AN INVITATION TO ATTEND -
a celebration of the principles of an Integrated Body, Mind and Consciousness. All are welcome to come and hear a state of the Auckland Arts of HEALING addresses from these authoritative practitioners:- Rev. Karmayogananda, Dave Duggan, William Wong Doo, Murray Hayson. The mortal body heals itself. Subjects to be covered includes radionics, colour therapy, the science of yoga, iridology, diet therapy, acupuncture, radiesthesia, aurvedic healing.
\$10 + \$2 for vegetarian lunch. Ph 836-3034.

New opportunities for writers, cartoonists, photographers, reviewers, designers, commission salespersons and dedicated staff on Craccum '86.
Please call in, 'phone or write to Craccum office now!

THE DISCORDIAN SOCIETY

We of the Discordian Society wish to notify all members, prospective members or casual passersby that the following events are of great interest and MUST be attended:

Quiz Night - Starting at 6pm on Thursday 6th of March, this is a Science Fantasy/Fiction/Comedy quiz with relevant, chocolate based prizes. It will be held in the Coffee Lounge and there will be refreshments available.

Wine and Cheese - Again starting at 6pm, this Wine & Cheese Evening is being held jointly with auSFs on Tuesday 11th of March in the Coffee Lounge and includes possible 'added attractions'. For more details, check the Discordian Society notice board or leave a note at our pigeon hole.

NOTICES

ANZASA CONFERENCE IN MAY

While diplomatic relations between the United States and New Zealand may have been strained by the current ANZUS dispute, cultural ties between the two countries are likely to be enhanced by a major American Studies conference to take place in Auckland next May 12-15.

The largest and most distinguished lineup of experts on American history, politics and culture ever assembled in this country - and probably in Australasia - will converge on the University of Auckland in three months' time for the Twelfth Biennial Conference of the Australian and New Zealand American Studies Association.

Conference participants will hear scholarly papers and panel discussions on topics ranging from the American cowboy to the Whole Earth Catalog, from sexuality in the Oneida community to labour relations in the American brewing industry, from the American response to aid to rituals of interaction on slave plantations, and from black history to avant garde poetry. Eighty-six speakers are scheduled to participate in 47 panel sessions organized into 16 time periods during the four-day conference.



Meditation Club

Would ten aspiring souls please step forward? Auckland's Sri Chinmoy Centre would like to offer on-campus free meditation classes during term lunchtimes, and want to form a club initially. If you have an interest in acquiring a broad range of meditation skills, or in spiritual topics generally, or simply wish to practise meditation with others, please contact us, on phone 607-382, or write to Flat 5, 1 Coles Avenue, Mt Eden.

'THE GREAT DEBATE'

SRC - Coming to a Students Association Near You Soon (First week of term)

Starring * 12,000 students (who can all speak and vote)

* the AUSA Executive (who will be introduced to everyone)

* Kirsten Thompson as the frazzled SRC Chair. Hitting the Quad Wednesday March 5th 1pm with a Grand Inaugural Comedy Debate as part of Orientation Week.

- Nominated for 10 Academy Awards and 20 Chocolate Fish

NGA TAUIRA MAORI

Kia ora ano taatou!

We apologise for some of the misprints in the first issue of Craccum. Especially to the Tainui people, who were erroneously spelt Tainui.

He mihi atu tenei ki a koutou mo te whakahenga o to toutou ingoa i te pepa tuatahi. He whakaaro aroha tenei ki a koutou kia hoki ai te mauri ki a koutou. No reira tena koutou, tena koutou katoa.

1985 TUMUAKI MAORI; Pakake Winiata.

NZUSA BRIEFS

TUMUAKI MAORI COLLECTIVE
February Workshops

The Nga Toki hui was very productive and we were in formal discussion for approx 13 hours. Added to this was the three-hour joint session with PAAC of Saturday night (Victoria and Auckland delegates missing/non-existent), and the various Caucus/SGMs/workshops. The workshops that Nga Toki felt most productive/useful were meeting procedures, and campaigns/submission writing.

I must say here that Mate and I have grave doubts about the sanity of NZUSA meeting procedures. The fiasco of Sunday evening SGM was almost obscene in its inefficient use of human time and energy. Seemingly more time was spent discussing/arguing over which motion would be discussed, rather than about the actual proposals themselves. If we are to have a strong national body we must use our time efficiently in meetings or the exercise becomes pointless. Choice!! (Mate)

MANY OPTIONS WITH GAME PLAN

The National Bank advises of a new financial savings facility called Game Plan. It's for graduates who are due to complete their courses, or have recently completed their studies. Basically there's three options - a personal loan up to \$5,000 - credit limit (minimum) of \$2,000 or high interest investments through term deposits.

Another two options otherwise available include business finance for venturing into the commerce field and Life Insurance and credit facilities. Contact Steven Posa at the Princes Street Branch of the National Bank for more details.

AUCKLAND MUSEUM

To 16 March. MUSICAL INSTRUMENTS THROUGH THE AGES. See 400 years of instruments on display with assistance from the Auckland Early Music Society.

THE ALTERNATIVE ROYAL TOUR

The alternative royal tour is railroading through New Zealand at express rates. At least that's how the Irish rebel band 'Ourselves Alone' sees their current tour of towns and universities. Dancing a jig from Otago to Auckland, to the sound of the fiddle, their music is as provoking as it is entertaining. The band are New Zealand Irish, and all are part of a long tradition of Irish politics expressed through song. Organised by New Zealand University Students Association and New Zealand Students Arts Council and supported by New Zealand Rail, the group will cover the country between February 26 and March 4.

IDA EISE MEMORIAL PRIZE - 1986, Oils and Acrylics. Selected works by working members of the Auckland Society of Arts, to March 7 1986.

YOUR MEN AGAINST RAPE IMPORTANT DATES!!

Note: All meetings are at Outreach, Ponsonby Rd, at 7.30pm. Unless otherwise specified.

March:

4th & 17th - MAR Meetings

21 - 23rd - Sexual Harassment Conference, Wellington.

April:

1st - MAR Meeting

11-13th - Domestic Violence

Counselling Conference Wellington.

Mid April - TV Screening of 'The Burning Bed'.

20th & 27th - WEA Forum for Men.

Princes St. 9am to 3pm both days.

21st - MAR Meeting.

MEN'S COUNSELLING GROUP PHILOSOPHY

OBJECTIVE: to establish and maintain a counselling service run by and for men.

WHY? because there is a need for men to be able to talk to other men.

So that men can bring about positive change in other men.

So that women don't need to put so much energy into changing men.

WE ACCEPT that as men, we are responsible for rape and all violence against women, for our own and other men's actions, and for changing ourselves and other men.

WE INTEND to work as a group in a co-operative non-violent non-hierarchical way.

We meet at Outreach. For the next meeting please phone Jon Barker, 763-997 evenings.

International Women's Day Public Meeting

Dear Friends,

The Eastern Suburbs Latin America Group is organising a public meeting to mark International Woman's Day on Saturday 8th March starting at 7pm in the Trades Hall, 147 Great North Road, Grey Lynn.

The meeting will have a particular focus on women in Latin America. Ruth Vasquez, a Chilean refugee, will speak on the position and problems of women in Latin America. Janet Bedgood from Corso, who visited Nicaragua last year as a member of the Workers Fact Finding Delegation, will speak on the contribution made by the Nicaraguan revolution to the liberation of women. Maori activist Titewhai Harawira will speak from a Maori woman's perspective. We are also inviting women representatives of the Labour Party and the peace movement to speak. Helen Lindsay from the Eastern Suburbs Latin America Group will chair the meeting.

There will be a light social function afterwards, with Latin American musical items..

We invite members of the public to attend.

ENROLMENT DAZE

How was your Queuing?



Elementary, says

"17 Then suddenly visions of horrible dreams troubled them sore, and terrors came upon them unlooked for.

18 And one thrown here, and another there, half dead, shewed the cause of his death.

19 For the dreams that troubled them did forshew this, lest they should perish, and not know why they were afflicted."

From the Apocrypha, The Wisdom of Solomon, Chapter 18, 17-19.

I'd never swear by Solomon, but he can make interesting reading. The situations he addresses are as real today as a few hundred years before Christ was executed. His words above stress the problem of those who allowed bad situations to continue. I have this problem with the NZ University Students Association, which is not value for the \$110,000 plus that Auckland students pay them annually. There is a growing student interest in getting value for Student Union fees, and I don't want to experience the obvious backlash when students realise a certain amount of their money is being wasted lining unnecessary pockets. An alternative National Body to NZUSA with many improvements, primarily cost, effectiveness, and progressive democracy, is being currently proposed. This year I hope to see the marked change in National Student Philosophy harnessed to a body which can move with this dynamic.

We need good national representation to obtain from the government and the community better student conditions and recognition, especially in financial aspects. NZUSA has proved for too long to be not up to the mark. A campaign and much information on the national student body issue will very soon be apparent to all, in an attempt to suggest



Watson



withdrawal from NZUSA to form this new organisation. Sorry about the leaflets.

Over a few major student issues this year you will hear much debate between differing members of Executive. This is necessary in the student forum to introduce to people the spectrum of sentiments, and why such sentiments. All students in 1986 will be given many opportunities to participate in the decision making process. My only fear is the vocal group of students who are usually quashed by any sizeable student input into decision-making, may well continue with the attitude that Student Government is really STudent Politics, thus primitive warfare. This attitude, with the accompanying faratacism, dirty tactics, and bickering abuse alienates many potential and open minded students from participating. Maybe its a deliberate tactic to achieve situations where power is not very evenly distributed? But then, pride has its limits.

In the fourth week of term, the Association is having a by-election for five vacant AUSA Executive positions. This will be a good opportunity for people to get involved in the democratic process early in the year. Nominations close at the end of the second week of term. If anyone is interested in serving on the Executive, thus running for election, I'm willing to offer any advice and discussion necessary, regardless of your political persuasion. It would be good to see a number of independent students with new ideas stand for election.

A hot issue over the past week has been GST on fees. The GST had to be paid at some stage, or so say the Inland Revenue Department. Myself and Stephen Mitchell, the other student representative on the University Council fought for students to have the right to pay their GST by the 1st of October if they chose to. Most students would find it more convenient to pay now, yet some would in principle object to giving the University their money to collect interest until October when GST begins. This is a valid stance. The University Council rejected the option, as 'likely to create a greater administrative workload.' For the amount of people who would in fact feel strong enough to exercise this option, there would be very little extra workload.

Remember NORML Day, Tuesday from 11-4 in the Quad. Bring along your crazy clothes, and buzz out.

Yours,
Graham

BULKHEAD

BY.. NUGG



EDITORS VIEW



WHERE HAS THE FUN GONE?

Here it is Wednesday evening in the cafeteria, and I sit and dine with the Orientation crew. We eat and talk about how much effort they are putting into what has been traditionally regarded as a live, fun event -

Orientation, is happening... and to my dismay I find that it's not. 'Poor ticket sales and a general lack of interest,' I am told. 'Come on Auckland, come on all you new faces, put some life into this place.'

We may blame the high humidity but I believe that we should be really blaming ourselves. Enrolment can be likened to a tour through Disneyland backwards! The whole idea is to have some vibrance to replace this boring formal procedure - and that's Orientation.

Where has all that good tried and true fun gone? C'mon, get your act together and get involved now. Ensure that you are properly orientated towards living and enjoying your stay - ORIENTATE NOW!

Peter Peter Boys

HORRORSCOPE

Aries

About time you heard from the friend overseas. Christmas, has of course, long gone. Did you get the weekend ironing and washing done, if yes, a good start to the week. Keep smiling anyway. You improve on tardiness.

Taurus

Money problems plague you still ... all really as a result of overspending recently. Aim to save some needed lire, rupees or yen as first term break approaches. Really no worry there's plenty of banks on campus. Get the best deal though.

Gemini

The twin in you fully supports the other. Speak up if you have a genuine gripe and keep up the reading ... it will improve your communication with others as you move in club and societies circles these weeks. You may be offered a position of responsibility.

Cancer

You're annoyed. A festive occasion or party was held without you being invited and you learn through others that your absence was duly noted. This makes you want to seek revenge. Don't. Revenge isn't you at all!

Leo

The fine weather continues and you have to face it - it's either haymaking or working for the almighty dollar, and being the lion you are, you choose a path between the two. The hassles of enrolment are over and life settles down.

Virgo

Medical problems plague you, much to your annoyance and extreme horror. See University Student Health immediately. You are probably run down and in need of Vitamin C. Keep away from animals and chalk this week. Cheer up!

Libra

Haven't things changed for you, life is a ball, a masquerade and Orientation '86 gets to you when the surprise of the month is sprung on you at one of the events that you decide to attend. It's all beer and skittles and red roses, and you don't even wear glasses. Great! Get some last minute sun and a tan while you can!

Scorpio

Bad news. Life and studies are going to conflict. Sporting contacts are out and you try to find a new interest. It's either windsurfing or horseriding. Try a compromise and take up water skiing instead. Balancing acts are part of your personality anyway so why worry?

Sagittarius

Production problems plague and plunder personal powers. The ideas of 'P' invade you. Watch some TV and take in the Royal tour - you'll realize that being famous has its drawbacks and you resume normal course.

Capricorn

You have a beautiful body but you are just not looking after it at all. True. A pressure that has been on your mind recently eases and you receive heaps of praise - weeks too late as usual. Reward yourself with a sauna and workout at the Uni Recreation centre and relax for once. All indications are positive for the next few weeks so go to it and enjoy yourself thoroughly, perhaps a dinner and show with a loved one or old flame. Don't worry, it will be a rip-roaring nite.

Aquarius

Your hair is a mess, really it is and don't hide it as it's part of you anyway. A competitive streak surfaces and you realize that you are angry over a minor matter. Do a community service, pick up some litter around the quad even if you don't drop any ever.

Pisces

This has been a successful week for you despite all the pressures and hassles. You have achieved success either at home or at work and it's been recognised finally. No need to celebrate. Round the Bays beckons and you should enter as the team spirit is just what you need to boost your ego and confidence now.

PRESIDENTIAL HOROSCOPE

A battle looms and despite promises to play an important part, people let you down at the last minute. A proposed Royal honour is scrapped suddenly, and the plan has to be scuttled. Be magnanimous and swallow your hurt pride.

STOP PRESS from the Editor

Detective Senior Sergeant Wally Hayes, from the Drug Squad, will be a special guest speaker at the forum on marijuana law reform on NORML DAY, Tuesday 4th March, 1 to 2 p.m. Come along and ask pertinent questions, as AUSA fully supports law reform on this issue.

Peter,

Stop! and think of what your stance was when elected. I know it's only the first issue - but please don't let our nominal students down - they deserve to know what's going on around here, and who's ripping them off. You have student support to expose these people, but I'll say no more, as you are Editor and can decide for yourself.

Yours etc.,

G.P.J. Watson, Esq.,
President, A.U.S.A. Inc.
Dear Graham,

I'm pleased you think that as the first democratically-elected Editor in the sixty-year history of Craccum, I have student support. I agree with you that we should expose in the paper those who have been ripping us off for so long, and will be pleased to make column space available any time you want to 'blow the whistle' on those people. But you are President, and so it remains your prerogative to decide when and whether you wish to reveal the names in print. As for me, I remain committed to the concept of freedom of the press and shall continue to hold high the banner of freedom regardless of attempts to muzzle this paper.

— Pete.

Dear Peter,

I hope we all realise that any course of learning not associated with computerisation or leisure/welfare, is a waste of time and money as it will soon be phased out.

Yours etc,
Hoodoo We Think We Are

hieroglyphics

TYPEWRITER ACCESS FOR ALL!

Dear Sir,

One definition of a university is an institution devoted to the development of literacy (the comprehension and written explanation of facts, theories, etc). So the single common typewriter in the Council Room gets a fair workout from those of the 13,000 odd population of this university who can get access to it when the politicians aren't hogging the Council Room. Many of us undergraduates, of course, are only subsisting on the miserable government pension and cannot afford a machine ourselves.

May I therefore suggest a semi-supervisable room (to control abuse or loss of machines) be established with four or five typewriters available for use? This could not only help tutors get semi-comprehensible essays, but might also mean that Craccum would get usable copy! Let's move and vote this at a future SRC!

Regards,
J.J. Brodz

CREDITS: Craccum, 3 March 1986—

To say our appreciation for the very small team that sweeted this week: Sally, Brodie, Bruce, Mike, Paul, Danielle, & Grant.

Editor: Peter Boys.

Acting Technical Editor: Sally Smith.

Acting Deputy Technical Editor: Bruce Grenville

Typesetter: Barbara Hendry.

Acting Proofreader: Lynn Hall.

Advertising Manager: Paul Gourlie.

Distribution: Rick Steele.

Photography: Michael Webber & Jane Falloon.

CRACCUM — brought to you by the wonderful folks that inhabit 34 Princes Street.

Peter,

As my time is probably even more precious than that of Craccum, if you want me to do something for detente — please do ask — I've now wasted many hours, and compromised myself for nothing. I could have been doing other work for students!

I'm not attacking you at all, but I feel a little angered, so please can we avoid any repeat of this absurdity in the future?

G.P.J. Watson, Esq.,
President, A.U.S.A. Inc.

Craccum Editor, Peter Boys, replies: Please give more details of this compromising of yourself that you allege you have been involved with. Your views on the value of time are interesting, and may cause readers to reflect that we are all millionaires in the most important resource of all, Time, and the question of whether we spend our hours in the noble service of the arts or whether we waste them in political bickering, is for every human to decide for themselves.

— Pete.

Dear Mr Boys,

I'd like to congratulate you one hell'va lot on a fine paper which carries much information, despite a very long break. It shows that you are deeply concerned to ensure fair play and yet bring together all University departments and students!

You deserve more support than you were/are being given - I know!

Please hang in there, you are very talented and I believe you are onto a winner.

Thank you for the changel

'Scorpio'
University of Auckland

Getting Cannabis Out Of The Bad Bag

(Part 1)

Probably partially conceived as such, and certainly once established, the laws for the prohibition of cannabis, have provided white supremacist societies with a potent weapon for restricting the rights and human dignity of black and coloured persons.

The Government of South Africa forcefully proposed to the assembled League of Nations Advisory Committee on the Traffic of Opium & Dangerous Drugs in 1923, that the significance of the various national studies currently underway, should not defer the immediate 'control', ie banning of cannabis trade and use. Thus was cannabis stuffed into the 'bad bag' with Coca and Opium, mislabelled as narcotic, and made subject to equivalent stringent controls and prison sentences.

At that time, by far the majority of the estimated 200 million users worldwide were coloured people. Africans and Egyptians had ancient traditions of cannabis use in recreation, workplace, and medicine. It was to grow cannabis, in fact, that African slaves were first shipped to Kentucky and Tennessee: the hemp fibre was required for His Britannic Majesty's ships of the 18th century. In the tense times of the 1930's and 1940's in Deep Southern U.S.A., many a Negro or Mexican youth was very conveniently locked up under the Cannabis laws.

Today these laws give New Zealand Police free access to the pockets and dignity of all youth, but as the brown/black live closer to the street, they are the youth who are bearing the brunt of these petty laws.

J.J. Brodz

THE A.U. PLEASURE PARTY

Well... the first Pleasure Party notice of 1986.

And what do we say??? well (again), just to tell you that 1985 was bloody disastrous, with the unfortunate accident with the video projector, and the loss of approximately \$150 from the Pleasure Party gig last year, due to an administrative error no security turned up, and a lot of people got in for free, as well as vandal problems. But to the future.

The first act of 1986 will be to pay off the money owed to A.U.S.A. The second is that we have arranged for two bloody great bands to play at SHADOWS — thank you Liz. (Don't think the P.P. is making any money out of it: we aren't.) We feel you should take this opportunity to see and hear these bands and have a great rage tool.

They are: Thursday 3rd April: Paradox (formerly K4) and Friday 4th April: The Warners (YEEHAAII)

Also, on March 9th, Radio BFM will be broadcasting a show hosted by El Presidente and colleagues, called The 5th Alternative. It's a show on libertarian theory and music: listen in! You're bound to find it interesting and enlightening.

SUNDAY 9th MARCH, 4 p.m. — 6 p.m.:

'Sapient Sounds for the Subversive Student!'

— Sainte Simon, El Presidente.

CAMPUS VIEWS



"With this coconut oil, I anoint thee
King Willard the First."

NASA MEMORIAL SERVICE - JOKES FROM
YOUR EVER HUMOROUS NZUSA.

Since NZUSA is a progressive organisation and
finding alternatives, this service will be a three-
minute humour (?) session, rather than the usual
adent treatment.

Q What does NASA stand for?

A Need Another Seven Astronauts

Q What is the Space Programme's favourite
drink?

A Seven-ups

Q What colour were the astronauts' eyes?

A Blue - one 'blew' here and one 'blew' there.

Q Where do astronauts go on holiday?

A All over Florida

Q How do you know that the ears found on
the beaches in Florida were the ears of the
astronauts?

A By the fingers in them

Q What's the difference between the space
shuttle and space satellites?

A Space satellites don't carry passengers

Q Sick SICK but we enjoyed them. Thank
you NASA for providing such insight into
human nature. (We leave it over to you to
decide ... CRACCUM ...)

FACE TO FACE

Craccum Interview

The President speaks out on GST.

Interview with Graham Watson.

Craccum: Recent indications are that
Students will suffer early from GST.
Can you comment on this?

GW: Well as of October 1st because of
law, the entire country will be charged
GST on its transactions. This will mean
that students will be charged GST on
their photocopying, cafeteria
purchases, and on virtually all other
items that they purchase or contribute
to around the student association.
Because our membership runs from
1st March till the following 28th
February, GST will come in midway
through our year. Therefore we have
been given a ruling from the Inland
Revenue that we will be charged GST
on that portion of time i.e. 1st October
till 28th February, when they feel the
membership subscription should be
subject to GST.

Craccum: I presume the association
will be taking a court action to appeal
this decision?

GW: The association executive has
discussed this at length. A court action
was one option; however because of
the Inland Revenue ruling and certain
options we were given, we believed a
court action was not necessarily the
most practical avenue. The university
has decided to charge GST on their
welfare levy & tuition fees. We felt it
would be convenient for the university

to collect GST on student association
fees at the same time. We have
however stressed to the university that
we wanted the option for students not
to have to pay GST until the 1st
October, i.e. when GST comes into
effect. The university rejected this
proposed option. Thus all students will
be forced to pay GST on student
association fees, student building levy,
welfare, and tuition fees at enrolment.
We have decided we will investigate
challenging the Inland Revenue Dept
ruling. However because enrolment
was pending, we had no choice but to
let the university collect the GST on
our fees. Should our challenge to the
Inland Revenue not succeed, we
would be eligible for the full GST
payment to the government. While we
oppose this in our policy and ideals,
the Treasury is not the easiest animal
to enter into a confrontation with.
Craccum: Is there an essential meaning
behind your presidency Mr Watson?

GW: Yes.

Craccum: Would you like to develop
this point?

GW: No. I say no, because if I
developed it, it would be far too
extensive as I have many ideas and
many essences in my presidency.
However the one thing that is most
important to me is student democracy,
and I shall see time and time again
groups of people getting involved and
ripping off students. I push as often as
I can for referenda as I believe the best
way to gauging student opinion is
going out to students by use of the
ballot. Therefore in a nutshell the
essence of my presidency is
representing those who elected me!

Well Varsity has started yet
again, and this year the
University of Canterbury has the
honour of hosting this 1986 BNZ
EASTER TOURNAMENT.
Tournament starts early this
year, on Friday 28 March and
finishes on Monday 31 March.

Four days filled with sport and
debauchery which we, the
organisers hope the Student
Body will make the most of.
There are steins on Friday,
Sunday and Monday nights,
which are open to competitors
and spectators alike (BRING
your Student ID's). Competitors
will be entitled to buy tickets to
all three functions at discount
prices.

So if you have nothing to do
over Easter, visit Canterbury,
see the sights, have a good
'rage', and if you still have any
energy left, perhaps participate
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KEEP THE STUDENT UNION CLEAN. PLEASE.

MUSIC

live in '86

LEISURE GENERATION

Rob Chadwick

As the machine revolution moves steadily into its later stages in advanced countries, whereby humans are being relieved of the need to perform tedious, repetitious functions to sustain the world of commerce, we find a crisis in adjustment to the needs of the newly-created leisure generation.

The old concept of *One-person, One-job* becomes *One machine, No jobs*, and suddenly we are free to express our creativity.

New biofeedback methods allow us to programme the latest breed of musical instruments without needing to acquire any of the old witchdoctor-type terminology and manual dexterity.

So we come to the point where an entire orchestra of every conceivable digitally-sampled sound awaits arrangement by anybody capable of imagining a total song, and meanwhile bands of traditional instruments played manually become a delightful novelty.

How far will the higher intelligence breed of computer now emerging be able to undertake musical arrangements of its own to submit for our approval?

After all, music is the *supreme game of numbers* with pitch changes, tempos, and dynamics and envelope-shapes all nicely convertible to bits and bytes, and it is not hard to imagine running an analysis on say all the Beatles music, and then to extrapolate endless new songs written as they would likely have done. But no matter the source, the market is endless and that which one brain creates is sure to find responses in others of similar disposition — machines listening to machines?

But for the purpose, the big growth area to come is in people relating to people rather than to their job, entertainment a go-go, and may the person with the most beautiful thoughts win!

ARTS

FOCUS ON JAZZ

Commencing March 10

5.30pm at the US Consulate, floor 4, General Building, on the corner of Shortland and O'Connell Streets. ARTists include Joe Williams, ART Blakey, Alberta Hunter and singer/pianist Almeta. Ms Speaks will discuss the development of black music in the States. Enquiries 773-135.



The School of Music, University of Auckland, in association with Auckland Branch Institute of Registered Music Teachers of New Zealand, presents **Saschko Gawriloff** in a Violin Masterclass Monday 24th March 2.00 - 4.30pm, and **Hans Deinzer** in a Clarinet Masterclass Tuesday 25th March 2.00 - 4.30pm at the Maidment Little Theatre, University Campus. Closing date for enrolment - Monday 10th March.

SASCHKO GAWRILOFF

In 1959 Saschko Gawriloff became the first German violinist to win at the International Paganini Competition. This led him to a brilliant international career as a soloist and chamber musician. AT 19 he became the first Concertmaster of the Berlin Philharmonic Orchestra.

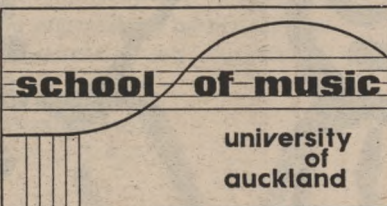
Gawriloff has toured extensively throughout Europe, Asia and America and he plays regularly with the Leipziger Gewandhausorchester, Dresdner Staatskapelle, the Munich and Berlin Philharmonics and other major orchestras throughout Europe, Asia and America. He records for Columbia, Concert Hall and Deutsche Grammophon.

Gawriloff plays the De alma Stradivarius (1683).

HANS DEINZER

Born in Nuremberg in 1934, Professor Deinzer studied at the Nuremberg Conservatory and later privately with Rudolf Gall in Munich. For several years he was a free-lance jazz musician and later a member of the Nuremberg Symphonica and NDR Symphony Orchestra in Hamburg.

Since 1971 Hans Deinzer has been Professor with the Hanover State Music and Theatre Academy, a member and soloist of the International Kranichstein Chamber Ensemble led by Bruno Maderna and Pierre Boulez, and a member of the Collegium Aureum. He participates regularly in festivals and concerts throughout Europe, Scandinavia, USSR and America and records with Harmonia mundi, Colesseum, Grand Prix du Disque and Edison.



LUNCHTIME

MAIDMENT THEATRE
1.05 pm

CONCERTS

ALL WELCOME
ADMISSION FREE

Series starts - Friday, 7 March
and continues
EVERY Friday during term

NZ POLITICAL MUSIC WORKSHOPS

The WEA proposes to set up a series of workshops for people interested in learning to sing and/or play, as a group, the music associated with our own social and political histories. We envisage the workshops covering two main areas:

- 1) - Types of Songs. e.g. women's, working-class, immigrant, gay, trade union, anti-racist, workplace, historic, regional, etc....
- 2) - Occasions for Songs e.g. protests, marches, picketlines, rallies, street theatre, hui, peace groups, meetings, workshops, conferences, festivals, gatherings of like-minded souls etc.... The aims of the workshops are:
 - to rediscover and foster our own histories
 - to enjoy ourselves singing and playing communally
 - to share our favourite songs, tapes, instruments, social/political causes, artists etc.... The emphasis of these workshops is group singing and music for 'non-experts' - Bring your guitar, tambourine, mouth-organ, voice, tapes, spoons, tin-whistle, drum, flute, recorder (if you have them) or just yourself and your enthusiasm - and copies of your favourite songs. If you are interested in helping to establish these workshops or have specific suggestions - please contact TRISHA at the WEA office - phone 732-030.

First Meeting Date - Thursday March 13th

Time - 7.30pm

Venue - WEA, 21 Princes St

Co-ordinators - Claire-Louise McCurdy, Trisha Hanifin

Fee - \$10 waged, \$5 unwaged.

ARTS MUSIC

KARAJAN PROTEGE OPENS SEASON

The first concert of the Auckland Philharmonia Orchestra's 1986 winter season should be a night to remember when dynamic Rumanian-born conductor ERICH BERGEL makes his eagerly awaited debut with an all-Beethoven programme featuring Michael Houstoun at the piano. This Caltex Masterworks concert will be given in the Auckland Town Hall on Thursday 6 March at 8.00pm.

Having previously conducted only behind the Iron C curtain (in his native Rumania and in the USSR, Hungary, Poland, Czechoslovakia and East Germany), Bergel was introduced to audiences in the West in 1971, appearing with the Berlin Philharmonic Orchestra at the personal invitation of the legendary Herbert von Karajan. Karajan had been deeply impressed by Bergel's analysis of BACH's *The Art of Fugue* and his completion of the final unfinished fugue. Karajan was also responsible for Bergel's engagement with the Vienna Symphony Orchestra in 1972.

Well-known pianist Michael Houstoun in his second appearance with the Orchestra this year will perform the Beethoven Third Piano Concerto. This programme will also be performed by the Orchestra in its Wellington debut at the New Zealand International Festival of the Arts on March 22.

Tickets at \$15, \$12; Seniors/Students \$12, \$9 (plus booking fee) are available from the Corner Booking Office; Nathan Homestead, Manurewa; Trappings, 91 Karangahape Road; Shore Music Services, Milford Plaza; Piano Traders, 90 Mt Eden Road, or at the Town Hall from 7pm on the day of the performance.

AUCKLAND PHILHARMONIA ORCHESTRA

Erich Bergel, Conducting

Michael Houstoun, Pianist

Beethoven:

Egmont Overture

Piano Concerto No 3 in C minor

Symphony No 4 in B Flat

Thursday March 6 at 8.00pm, at Auckland Town Hall.

YOUNG MUSICIANS COMPETITION 1986

The TVNZ/NZSO Young Musicians Competition is on again! This most successful contest which has promoted artists such as John Robinson, Sharon Joy Vogan, Christopher Kane, Catherine Bowie, Katherine Austin and Read Gainsford is again sponsored by Landmark Properties Ltd.

Managing Director Oliver Newland said today 'We're more than happy to continue our association with this contest. This is the third Young Musicians Competition we've been involved in and Landmark Properties is thrilled that so many young people with so much talent are being given the opportunity of performing, and for the very good ones a chance to perform with the New Zealand Symphony Orchestra.'

Entry forms will be going out as soon as possible and will be available from branches of the Westpac Bank New Zealand Corporation. Producer for the series, Bill McCarthy, confirmed today the auditions will be held in May, the semifinals at Avalon in July and the final in the Michael Fowler Centre hopefully early December.

Prizes have been increased. The Landmark Award for 1st place will be \$15,000 plus a round the world air ticket, \$5,000 for 2nd, \$3,000 for 3rd and \$2,000 for 4th. 'The cost of tuition overseas is now extremely costly - we think that this is now a reasonable prize', said Bill McCarthy. As an added incentive the Music Federation of NZ will arrange a tour for all four finalists, as they did last time, which gives the players the added experience of touring and performing.

The auditions will be heard by William Southgate and Peter Averi, Deputy Manager, NZSO, who later this year will be jury member for the 8th GINA BACHAUR Piano Contest in the USA.

theatre, arts, music: whatzon

FEMINIST PLAY SETS DRAMA ALIVE



KATHERINE MCKENZIE, a 2nd year Uni Medical Student, plays Nora, classic feminist drama 'A DOLLS HOUSE', directed by Peter Morgan.

First presented in 1880 it met with a storm of male protest. It's feminist theme and attack upon the chauvinistic attitudes prevailing in the late nineteenth century created great controversy. So much so that Ibsen was forced to rewrite the ending for German audiences. In watered-down form the play was presented in London. It took some five years for it to reach Paris.

A hundred years later the play is still relevant. Particularly to New Zealanders. Recently an international commentator described New Zealand as 'the last Western bastion of chauvinism.' A comment perhaps exemplified at social events related to the sporting world. The men round the bar - the ladies in the kitchen

This ARENA production features Katherine Mackenzie as Nora, Phil Turley as Torvald, Susie Tibbets as Mrs Linde, Trevor Conn as Krogstad, with support from Nicholas Taring, Ruth Hyde, Cavell Trask, Daniel Young and Therese Turley. The production plays in the Town Hall Theatre to March 15th.

ARENA THEATRE have introduced special 6.30 performances Monday to Thursday especially for city theatre-goers who like to dine out after the show. ARENA is currently negotiating with several city restaurants to provide concessions to their theatre patrons. STOP PRESS: SPECIAL STUDENT SPECIAL \$5.00 a seat for every performance.

Further 1986 productions for ARENA THEATRE in the Town Hall theatre include the following:

Apr 12 - May 8 Mason's THE POHUTUKAWA TREE

June 7 - Jun 28 Miller's ALL MY SONS

Jul 26 - Aug 16 Sheriff's JOURNEYS END

Oct 4 - Oct 25 Shaw's PYGMALION

All productions play Monday - Thursday at 6.30pm. Friday and Saturday at 8.15pm.

ARTS

FEATURE ORIENTATION '86

HE'S BACK ... WHO'S BACK?

Dave's back, Dave Eggleton, a.k.a. as the 'mad Kiwi Ranter', is back from a whirlwind tour of Oz., U.S.A., the U.K., Europe and despite all claims to the contrary, he'll be performing his own special brand of poetry with music from 'God Defend N.Z.' with The 'O' Team at Shadows, Monday March 3 aroundabout 8ish.

Dave gave us some lines of his 'Werewolf of Grafton Gully', to tempt yer tastebuds...

I have seen the best minds of my generation teased by computers, - done up by Miami Vice leisurewear in the wine bar dives of new Ponsonby. ...

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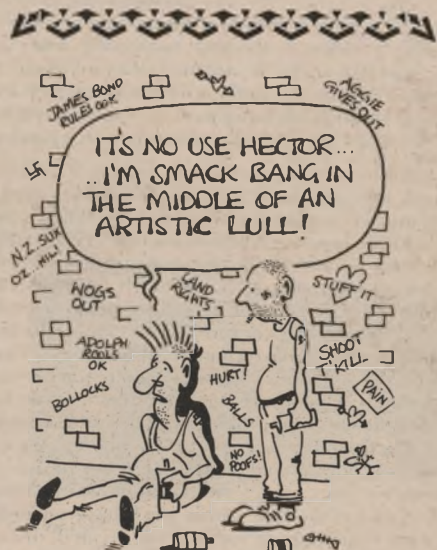
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CHASE DRAGONS, by Elizabeth O'Connor, is a surreal and light-hearted play about some of the traumas of life in contemporary Auckland. It is performed by a cast of twenty-six, under the direction of Murray Lynch, in a Maidment Theatre production planned to coincide with the University Orientation programme.

There will be eight performances, at 8pm nightly, from March 12th to March 19th. To make bookings, phone 793-685, or call at the Maidment booking office, Alfred St, 12-2pm on weekdays, from March 7th.



PASS IT ON

by

Renee



Ph. 774-307



'KISS OF THE SPIDER WOMAN'

On all counts, the official Brazilian entry at the Cannes Film Festival, 'KISS OF THE SPIDER WOMAN,' which CBS Productions will distribute internationally, is a singular cinematic achievement.

The motion picture by Hector Babenco, the 39-year-old director of the critically acclaimed 'PIXOTE,' is the first Brazilian-made film to star two American actors, William Hurt and Raul Julia.

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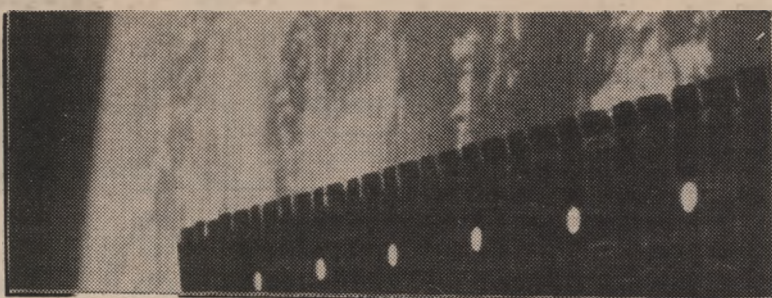
ON TOUR 86'
QUEER PICTURES
WORKS BY LESBIAN & GAY ARTISTS

BUSINESS IN SPACE

By David Osborne
From THE ATLANTIC

"The benefits our people can receive from the commercial use of space literally dazzle the imagination," declared President Ronald Reagan in 1984 when he announced a new policy designed to speed the development of private commercial ventures in space. And indeed, communications satellites have already proved their value and the data from remote-sensing satellites offer some economic potential, particularly in agriculture. But many experts believe, as journalist David Osborne says, "that the real revolution will come only when we are actually manufacturing in space," and that "space-based materials processing"—as the production of materials as diverse as drugs, alloys and crystals is called—will be more important commercially than genetic engineering." In the following article, excerpted from a comprehensive survey of developments in the field, Osborne examines the new space-based industries from the perspective of American companies and scientists.

Osborne, a free-lance writer who specializes in economic and political affairs, is frequently published in *The Atlantic*, *Harper's* and other magazines.



The real story of space today is the opening of a new economic frontier. Just a quarter century after the first human being ventured into space, hundreds of corporations are directly involved in the space business. Twenty-five years from now the scale of industrial activities in space may rival that of today's computer industry. The quarter century after that will bring even greater triumphs, visionaries tell us: solar arrays in space, beaming power down to Earth by microwave; mining operations on asteroids and the moon; perhaps a human colony on Mars. Peter E. Glaser, a vice-president of the consulting firm Arthur D. Little, in Cambridge, Massachusetts, is one of the chief advocates of using satellites to relay solar power. "I believe that space in the 21st century will probably be what aviation, electronics and computers were, together, in this century," Glaser says. "It is the next evolutionary step for humanity."

How fast the new economic frontier will be opened depends in large part on the actions of the United States and other governments. Like the transcontinental railroads that opened the American West and the national highway system that propelled the United States into an era of rapid mobility, space ventures require investments beyond the capacity of the private sector. Already the National Aeronautics and Space Administration (NASA) has spent more than \$200 thousand million (in current dollars), much of it to create the infrastructure needed to exploit space.

The first industry in space is already mature: satellite communications. It generates some \$3 thousand million a year from the transmission of television and radio broadcasts, telephone conversations, electronic mail and business data. The second industry to appear on the horizon, known as remote sensing, is at least a decade behind the first. Remote-sensing satellites are used extensively by the military, but they have myriad civilian applications as well. The satellite-relayed weather maps on news programs, which have dramatically improved forecasts and reduced deaths from hurricanes and the like, are an obvious example. Remote-sensing satellites can also detect air pollution (a federal experiment is under way to track the sources of acid rain, for instance) and measure ozone and other critical atmospheric elements.

From a commercial standpoint the most promising use of remote-sensing satellites is in providing pictures of the Earth's surface. Photographs from the five LANDSAT satellites launched by NASA since the early 1970s have proved invaluable in the mapping of remote areas. They have revealed unknown lakes, islands and underwater shoals and reefs. They have also been used to map routes for railroads, pipelines and electric-power lines; to run rough population surveys; and to guide ships through iceberg-infested waters.

The most extensive commercial uses of LANDSAT data are in mineral exploration and agriculture. By studying satellite images of known oil, gas and mineral deposits, scientists have learned to identify features that might point to new deposits. Oil companies look for folds and domes capable of trapping oil or gas. Minerals experts search for clays often associated with uranium, or plants that grow on tin or molybdenum deposits. LANDSAT's multispectral scanner records the reflection of light off the Earth with a sensitivity to color far surpassing that of the human eye: by enhancing colors digitally, explorers can detect features they would have missed if they had walked the land themselves.

In agriculture, satellite images are used chiefly for crop forecasting. Since the United States exports as much as two-thirds of the harvest of some crops, estimates of international supply and demand are crucial. The Earth Satellite Corporation,

a Maryland-based company founded in the early 1970s, provides daily crop-supply predictions. The company breaks up the globe into units that are about the size of a midwestern county. LANDSAT data on the vigor of crops in each unit are integrated with weather information, and the resulting forecasts are relayed by computer to subscribers. Satellites are even sensitive enough to track crop-killing frosts; by one estimate, Florida citrus growers save \$35 million a year because satellite data tell them precisely when to turn on the burners in their orange groves.

The economic potential of communications and remote-sensing satellites notwithstanding, there is a feeling among space buffs that the real revolution will come only when we are actually manufacturing in space. Many experts believe that space-based "materials processing"—as the production of materials as diverse as drugs, alloys and crystals is called—will be more important commercially than genetic engineering.

On Earth, gravity influences every physical process, however minutely. For example, when two metals of different densities are mixed to form an alloy, gravity causes the heavier metal to drift toward the bottom. The resulting mixture is not uniform and thus not as strong or durable as it could be. In a weightless environment this defect is avoided and superior alloys can be produced.

This is not to imply that an object in orbit around Earth—the space shuttle, for instance—ever escapes gravity's pull. The combination of the shuttle's fall toward Earth and its forward momentum is what defines its orbit and keeps it from veering into deep space; this state of free fall produces the effect of weightlessness. Imagine being in a broken elevator as it plunged toward the ground: if you dropped a coin as you fell, it would seem to float, because you, the coin and the elevator would all be falling at the same speed. That is roughly what happens to objects in orbit. Thus, while press reports often refer to zero gravity, scientists use a different term: *microgravity*.

Corporations can exploit the weightless environment of space to learn how to refine the manufacture on Earth of such heavy products as lead alloys. Given the cost of getting into space, however, only products of extremely high value per kilogram, such as pharmaceuticals and crystals, will ever actually be manufactured there. According to Gregg Fawkes, the director of a study on the commercial development of space for the research arm of the U.S. Chamber of Commerce, "There are a bunch of materials that are in common industrial applications that are worth literally millions of dollars a kilogram. For instance, a lot of pharmaceutical materials are very valuable, because you can save human life with them." Some, such as urokinase (an enzyme that dissolves blood clots), can be produced on Earth only in minute quantities and at great expense. Jesco Von Puttkamer, a long-range planner at NASA, says that studies done for NASA five years ago showed that space manufacturing could bring the production cost of urokinase down from \$1200 a dose to around \$100. (Blood-clotting disorders kill some 200,000 people a year.)

An obvious advantage of manufacturing in space is that molds and containers are not necessary. For example, crystals can be grown with no risk that they will touch a surface and absorb alien molecules. Or objects can be made perfectly spherical, with none of the distortion that comes from resting on a surface. The first commercial products manufactured in space, in fact, were tiny spheres, which NASA made in 1984 for the U.S. government's National Bureau of Standards. The bureau sells "standard reference materials": devices for measuring microscopic electronic components, for instance, or for calibrating instruments like filters and porous membranes, which measure tiny particles. The spheres—droplets of polystyrene—are a minute fraction of a centimeter in diameter, or about the size of a red blood cell. They are sold 15 million or so to the vial; each vial is the size of a little finger and costs \$400. Businesses will use the spheres in counting blood cells, measuring particulate pollution, producing finely ground products such as paint pigments and chemicals, and so on.

NASA plans to make four sizes of spheres for the bureau, using an instrument designed by John W. Vanderhoff, a professor of chemistry at Lehigh University in Pennsylvania. Once NASA has shown that the process will work, it will turn the business over to Vanderhoff.

Vanderhoff's company, Particle Technology, Inc., is the first private enterprise to have sold a product manufactured in space. The runners-up will probably be McDonnell Douglas and Johnson

& Johnson, which have already sponsored joint experiments on five shuttle flights. They have done work on a number of substances, including urokinase and the pancreatic cells that secrete insulin. One of McDonnell Douglas's research groups uses a process known as continuous flow electrophoresis, in which molecules like proteins and enzymes are separated by means of electrical charges. Such separation is fundamental to biological research. Electrophoresis—a common technique—does not work reliably in Earth's gravity field; samples of dense materials, for example, tend to collapse in a blob. McDonnell Douglas reports that one experiment in space produced 716 times more separated product than its equivalent on Earth would have, with a four- to five-fold improvement in purity.

McDonnell Douglas and Johnson & Johnson hope to sell their first product in 1988. In addition, McDonnell Douglas has a shopping list of as many as 20 other difficult-to-isolate products that it might develop independently; these include interferon, skin-growth agents and a potential treatment for emphysema. By the mid-1990s it hopes to be making three of the 20 in space; by the late 1990s, if a space station is available for commercial work, it hopes to be making as many as 15.

The pioneer in crystal growth is Microgravity Research Associates (MRA), a small Florida-based company founded in 1979. Several years ago NASA predicted that two or three \$500 million satellites, outfitted as space factories and serviced every three months by the shuttle, could meet half the growth in U.S. semiconductor demand over the next decade. MRA is trying to fulfill that prediction.

MRA's first product will be crystals made from gallium and arsenic, two soft metals. Gallium arsenide crystals, which conduct electrons 10 times faster than silicon, can be used in computer chips, lasers, switching devices in fiber-optic systems, high-frequency antennas, solar-power arrays and other wonders of the high-tech world. They are particularly useful in anything sent into space, because they are resistant to radiation and heat and their speed yields more work per unit of weight.

Crystals are normally grown in long cylinders.

After they reach a diameter of eight to 10 centimeters, they are sliced into the thin wafers used to manufacture chips and other devices. When grown on Earth, however, gallium arsenide crystals suffer serious imperfections. The executive vice president of MRA, Russell Ramsland Jr., describes the convective flow that creates the imperfections this way: "It's just like when a cold front moves through an area and you have a high wind, because you have cold, dense air moving in where there was hot, less-dense air. That wind is really a convective flow. You have the same thing taking place at a molecular level in a crystal, where you have a hot liquid transforming into a cold solid." As hotter, less-dense material rises, cooler molecules move in. "Inside that convective-flow storm you'll have molecules being displaced, vacancies being created, dislocations—and all of those will result in structural integrity and chemical-homogeneity problems for the crystal," Ramsland says.

When the effects of gravity are absent, a convective flow cannot occur, because the changes in density and weight that take place as a substance cools no longer provoke movement. Lighter molecules no longer rise; denser molecules no longer sink.

Ramsland and his associates believe that gallium arsenide, because of its high conductivity, will be instrumental in the development of the next generation of computers—perhaps in the pursuit of "water-scale technology," with which the industry dreams of putting an entire computer on one wafer. MRA's president, Richard L. Randolph, expects the company's niche to be at the upper end of the market, "in sophisticated and costly devices where the demand for utmost performance, reliability and durability will justify the greater cost necessitated by space production." Randolph hopes to move on to other, more complex materials after production of gallium arsenide crystals is under way. Already he has competition, however. Another start-up operation, called Microgravity Technologies, Inc., in Alabama, has announced its intention to produce crystals in space. And the giant 3M Company, which has submitted a proposal to NASA for a 10-year materials-processing research project involving as many as 72 shuttle flights, has also done crystal work.

"One of the things about growing large crystals is that you can look at the molecular structure," Henry Owen, a 3M spokesman, says. "They're large enough to put under an electron microscope and really get into them. Maybe you can find a way that you can make them on Earth, then. On the other hand, you may come upon something that can only be done in space. That being the case, you'll manufacture there." Scientists at 3M see advanced

Business in Space

crystals as the key to an entirely new kind of computer, one that uses light rather than electrical current to process data at superhigh speeds.

Other companies active in materials processing in space include Grumman Aerospace, which plans to experiment with alloys; Battelle Columbus Laboratories, which has shown interest in processing collagen fibers for the repair and replacement of human connective tissues; Union Carbide, which has signed an agreement with NASA to research glass-forming alloy systems; and Westinghouse, which is examining the possibility of manufacturing ultra-pure, bubble-free glass.

Few companies are ready to risk much money on materials processing, however. According to Isaac Gillam, who runs NASA's new Office of Commercial Programs, by December 1984 only eight firms had signed "joint-endeavor agreements" with NASA to exchange access to experimental results and equipment for free rides on the shuttle. Only eight more agreements were under discussion.

Even so, Russell Ramsland is optimistic. He says, "The number of calls we get now from major companies is astonishing. In '82 or '83 we couldn't even get people to return calls. By the time you get a McDonnell Douglas and a Microgravity Research and maybe one or two others bringing something down that is really new and can make some money, I think there's going to be a pretty interesting rush at the research door—which is what this country needs. Because right now, if I had to name four or five products you could make in space that would be good commercial ventures, I couldn't do it. But I could name you about 25 areas that I'd love to have money to do research in that might produce good commercial ventures."

To cash in on materials processing, companies will need more than the shuttle. They will need orbiting space factories and crews (or robots) to run them. They will need an infrastructure of support facilities and services—the fourth major industry, along with satellite communications, remote sensing and materials processing, on the horizon.

In the past NASA provided the infrastructure, but since President Reagan took office emphasis has shifted to the private sector. The administrator of NASA, James Beggs, has talked about transferring the shuttle to private ownership late in this decade. Moreover, five companies have been established so far to build small rockets that would launch satellites that the shuttle can't handle. Other firms build "upperstage" rockets, to send satellites from 240 kilometers or so above Earth—as high as the shuttle can carry them—to an altitude of 35,700 kilometers, where geosynchronous orbit can be achieved. (At that height a satellite can orbit at the same speed at which the Earth turns. If the satellite's path follows the equator, its position with respect to Earth will be fixed, and it will be able to stay within reach of its ground stations.)

Fairchild Industries is developing small space-laboratory platforms called Leasecrafts, the first of which may be ready in 1988. McDonnell Douglas may use a Leasecraft for early production, but it is also contemplating the construction of a larger space factory. Space Industries, Inc., a young Texas-based company run by Maxime Faget, who supervised NASA's development of manned spacecraft for 20 years, is building a 10.5-meter-long industrial space facility with a pressurized compartment in which visiting astronauts could work.

The *Queen Elizabeth* of space, however, is the space station, and that remains a federal project. Though slippage in the schedule is probably inevitable, the Reagan Administration hopes that the station will be launched in 1992, which is the 500th anniversary of Columbus's voyage to the New World. Optimistically budgeted at \$8 thousand million, the station is to be manned and is to serve as a laboratory for materials processing and research, as a permanent observatory for astronomy and remote sensing, as a storage depot for spare parts, fuel and supplies, and as a base from which to service other satellites and platforms—perhaps clustered together to form the first space-based industrial park.

The space station is not without its critics. Several studies have suggested that "free-flying" factories independent of any space station and tended by robots might do just as well for less money. (The space shuttle has enemies too, particularly in the press. The \$14.2 thousand million spent on it to date makes it an inviting target. Rarely do the critics consider, however, the potential economic impact of space-based materials processing or the crucial roles that the shuttle can play as a research laboratory and, if space factories become a reality, as a delivery vehicle.)

A federally built space station may or may not be necessary, but clearly it would accelerate the development of space commerce—just as federally subsidized railroads and highways have accelerated economic development in years past. A space station would make possible permanent crews of astronauts, and their presence would improve the economics of any investment dramatically. "Should there be any malfunction, they can go out and correct it, and the factory will continue to produce," Isaac Gillam, of NASA, says. "You could put an automated factory up there without the station."

but once it breaks down, you've got to make a special shuttle flight up to fix it. And if it breaks down again, you've got to make another, and that becomes prohibitively expensive. The idea of having people present at all times, to monitor production changes, adds to the economics of the situation and makes more projects viable."

People in the business stress that the station would persuade investors that NASA is serious about space commerce. "We feel that a lot of companies will wait, in terms of raising significant amounts of capital, until they know whether there's going to be a space station for sure," says Brad M. Meslin of the Center for Space Policy, a consulting firm in Cambridge, Massachusetts, that specializes in evaluating industrial opportunities in space. The large spending needed to lock in the station is scheduled for the government's 1987 budget, which will be up for the final vote in mid-1986.

Private enterprise could handle many services necessary to support space manufacturing: power generation, orbital refueling, waste management, food supplies, health care and so forth. Rockwell International is looking into an in-orbit electric utility—a huge solar array, projected to cost more than \$1 billion, to supply power to an industrial park in space. NASA has let contracts with two aerospace firms, Boeing and Martin Marietta, to develop concepts for a "space tug" to take payloads from the space station up to geosynchronous orbit. Among other things, the tug would be used in repairing and retrieving satellites in high orbit, just as the space shuttle was used in 1984 to repair one satellite and retrieve two others in low orbit.

Once this capacity exists, perhaps by the late 1990s, the nature of geostationary satellites is likely to change. Today the average communications satellite lasts eight or 10 years, after which it is moved out of the way to make room for a new model. If it fails prematurely, it must simply be abandoned. Its rescue or repair is impossible, because the shuttle's range does not extend far enough to reach it. When communications satellites can be serviced, many experts predict, they will give way to large platforms that will house not only antennas and transponders for a range of communications services but also observatories for scientific exploration and perhaps giant solar arrays for power generation. Such a trend would create a new wave of economic activity based on the production, launch and assembly of these vast structures.

When discussions move from space stations and orbiting platforms to the next cycle of innovations, the true visionaries take over. Besides solar-powered satellites they dream of nuclear waste disposal in space; mining operations on asteroids rich in precious minerals; and 10,000-square-meter solar sails, driven by photons from the sun, for long space voyages. Robert Frosch, a vice-president of General Motors, who was the administrator of NASA from 1978 to 1980, has proposed solar-powered mining and manufacturing centers on the moon that would replicate themselves, and thus turn out more products every year.

Thomas O. Paine, who was the administrator of NASA from 1969 to 1970, said at a recent NASA symposium that a first step toward Mars would have to be a permanent moon base, "to leave behind selected materials, equipment and supplies, with qualified men and women remaining to work between regular supply trips." Why the United States would want to go to Mars is another question. The answer begins with the fact that after Earth, Mars is more hospitable to human life than any other planet in the solar system. The Viking satellite mission in 1976 revealed that Mars has an atmosphere, at least a small amount of water and an accommodating surface. The planet might thus serve as a staging area both for the mining of asteroids and for exploration of the outer reaches of the solar system.

The science-fiction writer Arthur C. Clarke has shown an uncanny knack for predicting activities in space. He is intrigued by the notion of a "space elevator": a structure made of very strong but lightweight materials that would stretch from Earth to the altitude of geosynchronous orbit and beyond. The elevator would use the weight of a descending capsule to pull another capsule up. It could carry people to facilities in geosynchronous orbit without the enormous expense of energy entailed by, say, a moon launch. Or, acting as a kind of sling, it could hurl space vehicles beyond the reach of gravity for long voyages. Clarke predicts that the space elevator will be built "about 50 years after everyone stops laughing." With the exception of the self-replicating factory and the space elevator, these proposals have actually been studied by NASA. For instance, John S. Lewis, a professor of planetary sciences at the University of Arizona, has applied for a grant from NASA to build a piece of automated equipment that could be used on the shuttle to extract iron, nickel and cobalt from debris collected on asteroids. Lewis hopes to test the machine on the shuttle before long and speaks of commencing mining within 15 years.

Observers skeptical of such notions abound, of course. Daniel Deudney conducts space-related studies for the World Policy Institute in New York City. In a recent paper for the Worldwatch Institute, he labeled satellites for solar-power transmissions, asteroid mining and colonies on the moon "the most grandiose hallucinations of tech-

nological civilization." Even Peter Glaser, who popularized the solar-power-from-satellites idea, agrees that serious problems remain to be solved before such dreams can come true. But he also says, "When the Wright brothers started to fly their airplanes, you couldn't quite predict that you would have 747s flying the Atlantic. It's hard to predict what the space industrial infrastructure will look like 50 years from now."

How real is the economic promise of space? Consider the numbers. According to Jerry Grey, the publisher of the magazine *Aerospace America*, space is a \$22-to-\$23-billion industry today. The satellite-communications business takes in perhaps \$3 billion a year. NASA spends \$7.5 billion a year, the military spends more than \$10 billion a year and another thousand million or two comes from peripheral businesses: remote sensing, publishing and so on.

Satellite-communications revenues are growing at a rate of 20 percent a year, and Grey projects annual revenues of anywhere from \$40 billion to \$100 billion by the year 2000. As a point of reference, the aviation industry—including aircraft construction, airline revenues, airport operations and so on—is a \$100-billion-a-year business today. Electronics manufacturers took in \$125 billion in 1982. The Center for Space Policy, which released its own estimates recently, is more optimistic than Grey. It foresees a \$55-billion-a-year business—not counting NASA or the military—by the year 2000.

Even these estimates may be overstated. Deudney, for one, feels that the projections of what he calls "space promoters and enthusiasts" are inflated. "Until we've actually done more research-and-development work on materials processing in space, it seems to me that estimates of commercial marketplaces are extremely premature," he warns. "At this point it's essentially unknowable." Deudney questions even the potential of producing pharmaceuticals in space—an enterprise that many observers consider all but a sure thing. "There's just going to be such a cost differential between doing something in space and doing it on the ground that there's always going to be an incentive to take what you learn in space and do it on Earth," he says.

Where so little is known, there is much room for disagreement. John F. Yardley, the president of McDonnell Douglas Astronautics and the former chief of the space-shuttle program at NASA, predicts a market for space-manufactured pharmaceuticals of a thousand million dollars a year just 10 years from now. And Gregg Fawkes, of the National Chamber Foundation, believes that the major profit maker in the year 2000 "will probably be something nobody's even thought of yet." Fawkes expects space-based manufacturing to boom, but he also expects processes on Earth to benefit enorm-



A 30-meter solar panel, designed to generate power for a permanent space station, is tested on a recent flight of the shuttle Discovery. NASA photograph.

mously from technologies invented for the purpose of exploiting space. He cites artificial intelligence, robotics, remote manipulators, high-speed communications, light-based computation and communications, and cryogenics (the use of supercold materials), among other fledgling enterprises. "You can probably look at that suite of technologies as the base of the next wave of industrial expansion and growth, steel having been one wave, aerospace and computers and electronics in general another," Fawkes says. "If you went into space only to find out about those technologies and apply them on Earth—even if there's nothing you're doing in space that makes money—that's more than sufficient reason to do so."

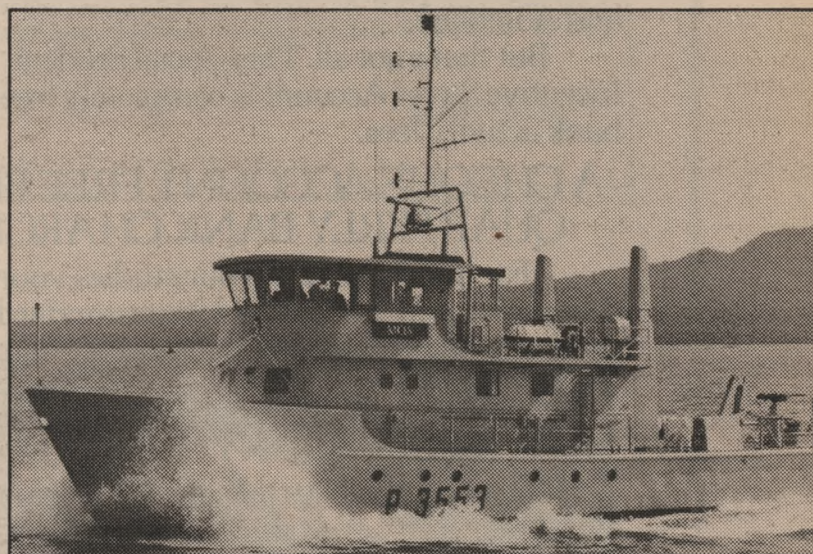
Every year NASA publishes a book describing about 50 products developed by its researchers that have been in commercial use or service. Leafing through successive editions, one sees robotic systems, high-temperature lubricants, protective coatings, medical-scanning equipment, tough new ceramic surfaces, even ingestible toothpaste. The best known example, however, is solar technology. Because satellites use solar arrays for their power, NASA has been the driving force behind advanced solar research. If satellites get larger, and if the space station is built, the quest for more power from less hardware will continue. One of the most promising avenues for solar-cell technology is, again, gallium arsenide, which is a more efficient transformer of energy and is more stable at high temperatures than the silicon used for cells now.

Brad Meslin, of the Center for Space Policy, compares the development of space to that of the American West a century ago: "Anyone who was sitting around in 1840 thinking about this railroad thing couldn't imagine a fraction of the economic potential that would eventually be realized by opening up the West."

Business in Space

Serious problems remain to be solved before dreams like asteroid mining and moon colonies can come true. But when the Wright brothers started to fly their airplanes, you couldn't predict 747s flying the Atlantic. It's hard to tell what the space industrial infrastructure will look like 50 years from now.

A federally built space station may or may not be necessary, but clearly it would accelerate the development of space commerce just as federally subsidized railroads and highways have accelerated economic development in years past.



HMNZS MOA which was commissioned on 28 November 1983 is the first of four Inshore Patrol Craft which have been built by Whangarei Engineering and Construction Ltd for service with the RNZNVR.

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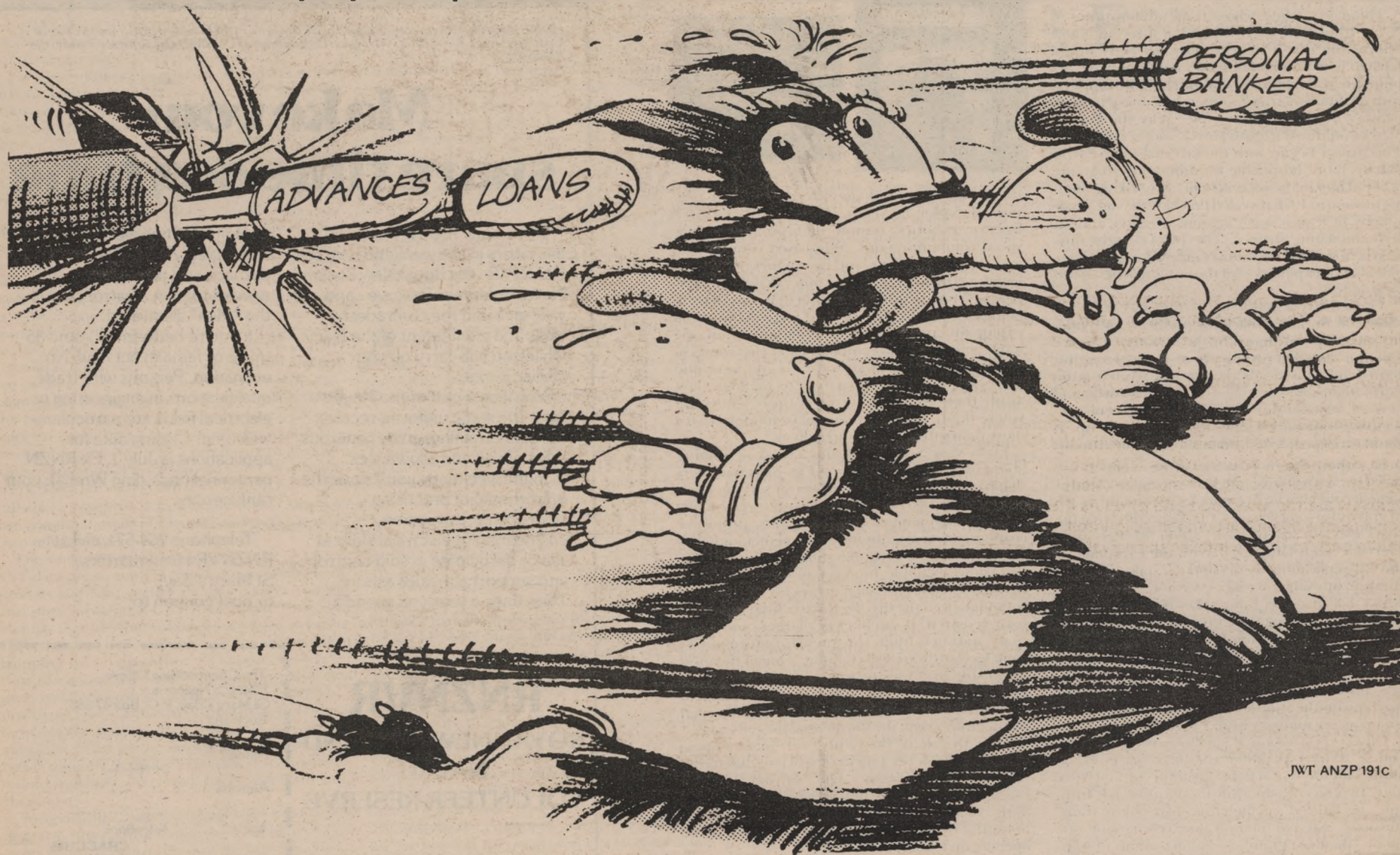
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S.R.C.



SRC's???? Students Raving Continuously? Snails Rampaging collectively? Wrong on both counts - SRC really stands for STUDENT REPRESENTATIVE COUNCIL - a place where all students get together once a week and debate anything and everything that they're concerned about ... it's held every week on Wednesdays at 1 o'clock in the Cafe extension. So what is SRC for anyway? The idea of a Student Representative Council was to provide the ordinary student (yes YOU!) with some more power in their own Students Association. The mysterious and amorphous blob known as 'Exec' are responsible to students through the SRC (as well as General Meetings) and are bound to follow Association policy set at SRC.

SRC is an extremely powerful body as it expresses the student viewpoint on any given issue - from Bursaries, to Homosexual Law Reform. Whatever the issue, if you're concerned about it, come to SRC and have YOUR SAY! As the quorum is only 50 members, it is important that as many students as possible get along to ensure that SRC policy is representative of student opinion. SRC's also have the power to recommit matters to Exec. So if you don't agree with what Exec has been up to, rush up other students, come to SRC and CHANGE(?) things.

What else goes on at SRC's?

- Clubs get affiliated
- Exec by-elections are held.
- SRC Reps are elected to a multitude of committees (that run things like Craccum and Campus Radiol)
- SRC has \$1500 + to give to groups that 'action' our policy.

SRC's have progressively got better over the last 10 years or so, involving more and more students. A long time ago in a galaxy far away (ie 1969) SRC's were held in the B10 Lecture Theatre at NIGHT(!!!). After a while some bright cookie thought of changing the venue and time of SRC, so that students might actually come! So that's why we now have SRC's at lunch in the Big Cafe, so that we PARTICIPATE in our Association while we much on that DELICIOUS cafe food. What's even better is SRC's are moving out to the students in 1986.

- SRC's are scheduled all round varsity this year, to get to these students who feel isolated from the main campus - Med School, Elam, Architecture and Engineering Schools.

So what's coming up at SRC in 1986?

- THE BURSARY REVIEW/CAMPAIGN - a review that could mean we all get \$115 bursary a week.
- NZUSA - Our National Student Body - should we withdraw from it?
- Elections of International Affairs Officer and Sports Officer.
- SRC Club Affiliation Specials. April 9th (First Term), June 25th (2nd Term), Sept 1 (3rd Term)

Watch out for the bright green S.R.C. posters. Come and watch the inaugural Debate in the Quad. Have a rave! Vote! Participate! Choc fish prizes every week!

See you there,
KIRSTEN THOMPSON
SRC CHAIR

DECEIVING YOU LOUD AND CLEAR

Chaplain's Chat

Say something loud enough and often enough, and people begin to believe it. The manufacturers of *Muddo* pay their advertising agency large sums of money to ensure that 'Muddo washes whitest' gets said very loud and very often - and both *Muddo* and the agency get very rich. Advertising works.

In this University, you will find profound scholarship, striving for excellence, and the pursuit of truth. (Sometimes you have to dig a little!) You will also find that advertising works here too - and it is all the more insidious for being covert. Opinions are repeated loud and often as if they were facts, inconvenient evidence is sometimes ignored, and so on - and it's all too easy to do the intellectual equivalent of buying *Muddo* without quite knowing why.

So beware, and don't let yourself be fooled. Probe, question, be sceptical of smooth superficial answers. The scholarly principles of integrity and scrupulous regard for truth don't just apply to your academic studies; they work equally well, and may be even more valuable, in the rest of your life.

But why should I care? I care because these scholarly principles are Christian principles too. It isn't only Christians who search for truth, of course - it's just that you can't be a Christian without it.

Contributed for Auckland University Chaplaincy by G.A. Creek

SRC SRC SRC SRC SRC SRC
COMING TO STUDENTS ASSOCIATION NEAR YOU SOON
'THE GREAT DEBATE' Students Representative Council (S.R.C.)

STARRING:

- * 12,000 STUDENTS (who can all speak and vote)
- * the AUSA Executive
- * Kirsten Thompson as the frazzled SRC Chair

HITTING AUSA every WEDNESDAY 1pm in the Cafe Extension.
GRAND INAUGURAL Comedy Debate:

WEDNESDAY MARCH 5th 1pm in the quad as part of Orientation Week.

Nominated for 10 Academy Awards and 20 chocolate fish!!!!
Watch out for the bright green S.R.C. posters.

Remember at S.R.C.'s

- Policy of AUSA is decided
- Clubs get affiliated
- Actions of Executive are checked
- Exec By-elections are held
- Reps are elected to AUSA committees.

(In 1986 there will be a Special S.R.C. each term that will deal primarily with affiliations).

Affiliation S.R.C. dates are:

- April 9th (first term)
- June 25th (second term)
- Sept 1 (third term)

Affiliation will only occur on those dates except in urgent cases.

REMEMBER

1. SRC Agenda closes 5pm Mondays. Give any agenda items to SRC Chair in person or leave in her pigeonhole at 'STudass Reception'.
2. If you wish to contact me for any reason, feel free to pop into my office (room 112A - 1st floor of Students Association Building - above Studass Reception/ or ring Kirsten 390-789 ext 828.

Kirsten Thompson
S.R.C. Chair

SHADOWS

THIS WEEK FEATURING

Mon. 3	8 p.m.	David Eggleton & The 'O' Team.
Tues. 4	8 p.m.	TKA
	10.30 p.m.	The Eric Glandy Memorial Band.
		(Census Day Party: Open 4 p.m. - 12.30 a.m.)
Wed. 5	8 p.m.	That's OK.
Thurs. 6	8 p.m.	The Remarkables.
Fri. 7	5 p.m.	Mathew Shirtcliffe.
	8 p.m.	Heptocrats.

LION RED

University Council Meeting.

17 February 1986
by Colin Patterson, acting
Vice-President, AUSA



'What on earth is the Auckland University Council?' you may ask. 'What is its relevance to students?' And even 'why is this report taking up valuable space in Craccum?'

Well, I'll tell you. The Auckland University Council is the Governing Body of the University - just as the Executive is the Governing Body of AUSA. The Council, according to the University of Auckland Act, 'shall have the entire management of superintendence over the affairs, concerns and property of the University.' In academic matters, however, it must consult with Senate. Discipline is also a matter for Senate. Much of the Council's work is done by committees and the Council mostly just rubber-stamps their recommendations.

The Council has 23 members. 6 are elected by Graduates, 3 are appointed by the Governor General (in effect they are appointed by the Minister of Education); 5 appointed by Senate and 1 member elected by the full-time lecturers. In addition the Chancellor, the Vice-Chancellor and the Mayor of Auckland are members; as is the President of AUSA (Graham Watson). There is one other student member elected by the Executive of AUSA (Steven Mitchell). In total the Council has 23 members. It meets on the 3rd Monday of each month at 4pm in the Council Room, first floor of the Registry Building.

This meeting was the first of the year and had a very light agenda. The two most significant items were GST on fees and compulsory membership of the Law Students Society.

GST: The University had received a letter from the University Grants Committee giving it the authority to either increase tuition fees to compensate for GST or to absorb the cost of GST itself. Both Deans Committee and Education Committee advised that the University adopt the former course of action. The Vice-Chancellor stated his agreement with this

Council: GST Strikes Us Early!

approach. According to Dr Maiden the University had a deficit last year of \$400,000 and has budgeted for a deficit for 1986 of \$3 million. The students reps replied by saying that University should be pushing the UGC and Government for compensatory funding, instead of lumping the cost of GST on to students who will not be compensated until at least next year.

The Registrar, Warwick Nicoll, said that Tuition Fees would be increased to \$212 to compensate for GST, whereas for the Welfare Levy and the AUSA Fee GST will be charged additionally. The student reps expressed concern at the effects upon the Enrolment Process because many students will prepare their cheques or money for the fees as stated in the Calendar. Chaos could result when students are told their cheques or their money is insufficient. We also pointed out that it could be illegal for the University to require students to pay at enrolment a tax that does not come into effect until November 1.

The Vice-Chancellor responded by suggesting an amendment to the motion, that students only be required to pay GST subject to the approval of the University Solicitors. This amendment was agreed to, as was the substantive motion. So you now know who to blame for the extra you will fork out at enrolment. Letters should be sent to the Minister of Finance, Parliament Buildings, Wellington, and/or to the Vice-Chancellor, University of Auckland, Private Bag, Auckland.

Law Student Society Membership: Way back about 1972 the Council gave permission to the Law Students Society to charge an annual subscription of \$2.50 to every student doing law papers. Sometime during the past 14 years the Law Students had, without securing the required consent of the University Council, increased their sub to \$5.00. The fact that the society is the only compulsory club or affiliated society on campus has often been of concern to AUSA. In 1983 its affiliation to AUSA was made conditional on it not using the University to collect membership fees on its behalf. The Society flouted this condition the following year. In 1984, however the Law Students' Society's affiliation was unconditional and in 1985, SRC specifically approved its compulsory membership.

Steven Mitchell, a student member of Council (and an ex-law student) had moved a motion at the previous meeting, that students doing law papers should not be required to join the Law Students Society. This motion had been deferred so that a comment could be sought from the society and from the Dean of Law. Mr Mitchell argued that is unlikely that the Law Students should be the only club (or faculty society) that has compulsory membership and that AUSA as it represents all students, should be the only student organisation on campus that should have compulsory membership. The Law Students argued that compulsory membership of their society is necessary so that they have the financial base necessary to carry out their activities. They requested that Council again defer a decision so that a Special General Meeting of the Law Students Society could be held to discuss the issue. This would be after the compulsory fees are collected for this year.

Some members of Council were unhappy at the prospect of deferring the matter for the third time. Several options were tossed around before Council accepted a solution proposed by the Mayor, Councillor Tizard. She suggested that membership remain compulsory for 1986 only (with the fee being \$2.50) and that compulsory membership would only be reinstated if the Law Students Society could convince Council of the necessity of it.

Otherwise little of significance occurred. The Headship of the German Department has been offered to a Dr Kirkness, while offers of Chairs in the Departments of Anatomy, Physiology and Management Studies were reported. The Vice-Chancellors actions in appointing Acting Heads of Departments of Fine Arts (Prof Ellis) and German (Assoc-Prof Smits) were confirmed.

In retrospect this was a tame meeting compared to some that I have attended. However I am disturbed at the large amount of deadwood on Council. Very few are prepared to challenge, or even question, the use of power by those who hold it - in particular the Vice-Chancellor and the Registrar. This is a national result of elected members not being responsible to anyone and not being required to report back or consult with those who elected them.

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STUDENTS IN 1986 WILL
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23-25 PRINCES STREET Phone 732-279

UNI CLUB HISTORY

Formed eighteen years ago the University Club was originally located in what is now Shadows and open only to graduates. The club prospered in this location until nine years ago when it moved to its present site at 23/25 Princes St. Shadows not surprisingly kept the name of Old Grad Bar until 1983 when it was renamed after permanent bar facilities were opened.

The current location of the club was originally two semi-detached houses (23 and 25) built in 1882 by Sir Henry Brett the founding proprietor of the Auckland Star and one time Mayor of Auckland. The land used was reserve land and never bought but leased for a 99 year period, and caused an uproar when it became known that prominent society figures had acquired it.

Over the years the houses were renovated and joined. Primarily they were used as boarding houses, or occupied by the family of Henry Brett. The buildings were to have been demolished when the lease expired in the early nineteen seventies but the city council intervened and the Auckland Improvement Trust Act (1971) permitted the council to postpone removal or demolition. In 1973 further amendments made possible the use of this building and the other 19th Century residences on Princes St.

Prior to the University Club's occupation in 1977 the building was used as a doctors surgery.

SERENE CLUB SETTING

It's a beautiful day, the sun shines on Albert Park. People walking their cats, Frisbee golf and picnics. Something missing. Perhaps a glass of wine? Ideally you need a view and a tree, here and there for atmosphere. Chairs are a must, this is after all a civilisation.

No panic to organise either. This is of course the University Club. On the balconies that overlook the northern end of the park, or on the well prepared lawn area outside.

People have even studied here in this island of peace. No traffic, no mad feeling that all nine hundred other people in the Library know what they're doing. This is tranquility at its finest.

Afternoons develop into evenings, and so has the atmosphere. Subdued or vibrant. The truth naturally, is that people create their own atmosphere, entertain themselves in their own particular way. In this way the club lends itself well to the varied needs of its members. Converted to its present form several years ago, the building has a reading/TV room, two bars, a restaurant and a games room.

Socially Fridays and Thursdays are best. Come for that relaxing drink or join in the vigorous 8 ball competition which rages till the late hours.

Parts of the club are available for private functions, but this may be beyond the scope of most bursaries. Membership for students is very cheap and current bar prices are less than those at Shadows.

MOVIE REVIEWS

'Spys Like Us' Directed: John Andis, starring Chevy Chase and Dan Aykroyd. Both Chevy Chase and Dan Aykroyd have both made funny and enlightening movies. This mess is neither, though there are touches of wit. I seriously suggest that if you want to have a bad taste in your mouth then, go home, smoke a packet of cigarettes and save at least \$3.00. There are much better things to do with your money.

MOVIE SEASON'

- | | |
|----|-------------------|
| 3 | Life of Brian |
| 10 | Ghostbusters |
| 17 | Bladerunner |
| 24 | Greystoke |
| 7 | Silverado |
| 14 | Killing Fields |
| 21 | Gremlins |
| 28 | Wild Bunch |
| 5 | Mad Max III |
| 9 | Police Academy |
| 16 | Right Stuff |
| 23 | Starman |
| 30 | '1984' |
| 14 | Beverly Hills Cop |
| 21 | Dune |
| 28 | Indiana Jones |
| 4 | Meaning of Life |
| 11 | Star Trek III |
| 8 | '2010' |
| 15 | N.L. Vacation |
| 22 | Christine |
| 29 | Cocoon |
| 6 | Trading Places |
- Screening Mondays at 1pm - Admission \$2
Note: Concession card available during
matinees only.
Theatres: Arts Centre

COUNSELLING SERVICE

Hours: 9.00 - 5.00
Telephone 737-999 ext 7895/6

AIESEC

AIESEC (eye'sek) is a French acronym for the International Association of Commerce students.

The Association was founded in 1948 by seven European countries as a student effort to help Europe and international relations. In 1986 AIESEC exists in 32 member countries and involves over 40,000 students in 500 campuses around the world. AIESEC is a student run, non profit, non political organisation.

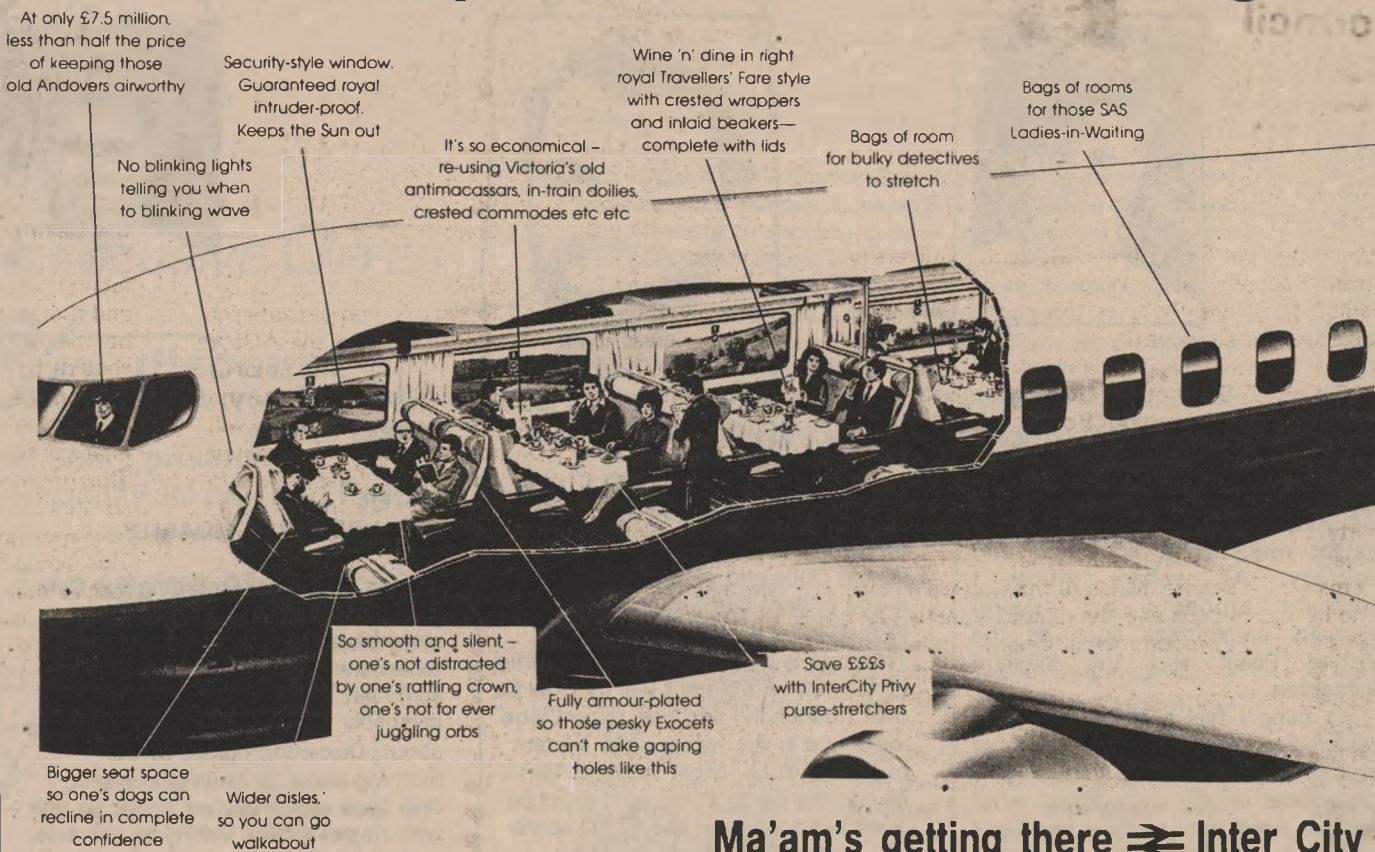
Its main activity is the operation of a student work exchange programme. This enables students to combine their classroom theory with practical management experience by working overseas at a job related to their studies for periods ranging from 6 weeks to 18 months. AIESEC arranges your visa, work permits, accommodation and most important - your job. You arrange your travel bookings and related expenses.

Here in New Zealand AIESEC members in Auckland are involved in securing traineeships for overseas students. They visit local companies to persuade business people to accept a foreign student to work for them. They look after foreign students. When they arrive in New Zealand and show them a good time, organise and participate in seminars and business games. Hence we offer you practical work experience through our local activities with the emphasis on bridging the gap between classroom theory and practical management.

AIESEC Auckland also offers you a social life. We have regular meetings, sporting functions, outings, barbecues etc etc. You will also get to meet students from other countries working in New Zealand. What better way to make friends?

Interested? Then come along and see us at the enrolment stall outside the commerce building during enrolment or come along to one of our meetings at the Exec lounge in the Student Union building at 1.00pm on Thursdays, or leave a message in our Studass pigeon-hole.. Andrew Fraser, Publicity Officer, Ph. 737-999 ext 7464.

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Clubs on Campus

AUCKLAND UNIVERSITY TIDDLYWINKS & KNUCKLEBONES SOCIETY

In December 1971 Sarah Cleghorn, Mike Butler, Errol Conaghan, David Cuthbert and I decided to form an Auckland University Tiddlywinks Club with the aim of annoying the particularly painful Sports Clubs' Representative, Mike Starling. It is with some surprise that I find myself typing yet another TKS newsletter something over fourteen years later. It is also somewhat sobering that David Cuthbert has only recently been removed from his position in the student travel world and that Mike Starling still pokes his head up every so often to frustrate and annoy AUSA.

As members are no doubt aware the only reason the club has kept going so long is that I have run it as a personal fiefdom. I have booked the rooms, kept track of the games, collected the subs and subsidised operations when it has been in financial difficulties. We have elected officers year after year, but apart from a few years in the mid seventies these people have taken no responsibility for running the organisation.

No more! I have left the University and I have no wish to continue running the club. I would like to establish whether anyone is interested in doing the work required to keep it going, or whether we should perhaps wind it up. I am willing to carry on until two or three weeks into term, and to hand it over as a going concern or to see to the winding up. The question is which??

An outline of our current position:

- we have 28 financial members and about five others who have previously been members and who retain some interest though they did not attend meetings or pay a subscription last year.
- we have something over \$200 in the bank.
- we have something over 50 games of various types, most in reasonable condition.
- we have no willing officers.
- we have had no club activities for about six months and it is years since anything has happened at the instigation of someone other than me.

Possibilities:

- if there is a real demand from interested members we could try to find one or two or three people to take over the club and continue to run it; one person who will be on campus this year has indicated that she might be willing to do this.
- we could consider the possibility of amalgamating with another club; Reid did suggest that STG might be interested, though the areas of interest are a little different.
- we could wind up the club after disposing of the assets as we see fit:
- hold another auction to dispose of the games and use the proceeds and the accumulated funds for an almighty party or for charitable donations.
- give the games to TTN/STG/AMERICA/SciFi/Shadows etc and use the funds as above.
- we could wind up the club or allow it to lapse without first disposing of the assets in which case they would revert to AUSA for disposal/disappearing.
- we could do something else I haven't thought of.

Procedures:

- if anyone is interested in putting some effort into any of the possibilities above please ring me and tell me about it - 486-339.
- I will arrange a games evening for Monday 10 March and I will advertise this and send notes to those who fill in white cards (if anyone feels like ringing them let me know and I'll give you the list); from this we should be able to see whether we have lots of enthusiastic new members who would like the club kept going.
- I suggest that we hold a meeting of financial members at 6.00pm on Monday 10 March to talk about what people do want to do, and that the formal decision be made at a formal General Meeting to be held at 8.30pm on Monday 17 March. I suggest that the first meeting be limited to current financial members plus any former members willing to show their commitment by paying their 1985 sub, and that no subs for 1986 be collected until we decide what we are doing.

OK? So if you've got any bright ideas or if you are willing to help run the club please ring me some time in the next couple of weeks.

BOB LACK

ROGUES GALLERY



Ann Webster, Welfare Officer

I'll start my first column of the year by introducing myself, I'm Ann, a B.A. student majoring in education and sociology. As welfare officer I represent students on several university committees such as the Welfare Panel and the Welfare Committee.

The thing I feel is most important regarding representing students is that although as a student/parent I have some ideas of my own about what students need from welfare services I need input from individuals about their needs. I'm really new in this role so I'm still learning the ropes, please bear with me and we can help each other.

One of the most exciting things that has happened for students in a good while is the TAG Bursary Review. It's amazing that if adopted it's impact will be felt in so many students lives yet hardly anybody seems to know it's happened.

It's important that we all know what the review recommends and that we all work toward it's adoption. It's also important that we recognise the ground work the NZUSA has laid here, their contribution to the bursary review has been enormous, but now it's up to us to give the mass support. As yet the recommendations have not been viewed by Russel Marshall so they've not been released but watch out for them and we'll be keeping you up to date. I'm pushing the review because it's the first of its kind in ten years, we'll be requesting our future bursaries and services based on the reviews recommendations for year to come. It's importance to students should not be underestimated.

AFTER SCHOOL CARE

At the beginning of the 1985 University year large numbers of Parent Action members expressed their concern at the absence of any after school facility. Throughout 1985 we have been exploring the possibilities for after school care for '86. Most of our enquiries have met with little success mainly because after school has not been seen as an urgent need. For this reason Parent Action have decided to run a small scale after school facility for a trial period in 1986. It will be sited in the room behind the TV room (children will also be able to use the TV room) on the 1st floor of the Student Union Building and will run from 3pm to 7.30pm. Food MUST be provided for each child plus something to keep the child occupied. It will cost \$1.40 per hour for 1 child and \$1.00 per hour if a family needs care for more than 1 child. Hours should be booked. If you are interested in using the facility, can help us run it or have any suggestions or ideas please let us know.

Contact phone no. Anthea 594-727.



Bruce Palmer, Treasurer

I will leave it to the other Executive members to extol the virtues of becoming active while at University, joining clubs and generally becoming aware of your surroundings and will instead list the sort of things the Treasurer is involved with at this time of the year. Enrolment will by now be over (thankfully) and one thing I'll be looking at is the 'white card' system of joining clubs. Most students don't fill out any cards at all, so it must be questioned whether the \$2300 spent on printing these cards could be better used. Last year's annual accounts and balance sheet are being prepared, the main problem at the moment being the 'provisions' that must be made (ie putting sums of money aside in last year's accounts for invoices and club grants that people insist on sending AUSA late). The 1986 budget is also to be finalised soon, and I am trying to work out a simple way of communicating that budget to AUSA members. Also soon to arrive is the annual problem of audits for all 140 of AUSA's affiliated clubs - I will be attempting to find a more satisfactory way of handling this problem than was the case last year, where several clubs failed to collect their grants because they were unable to produce a set of accounts capable of being audited.

As it stands, I am very busy with my own portfolio at the moment, and as long as the political silliness that tends to dominate AUSA does not dominate it to the same extent this year, I might actually get some of my work done.

A.U.S.A. REPRESENTATIVE POSITION

Nominations are invited for a position as Association representative on University and joint Committees. The term of office is until 31 October 1986. The position available is - STUDENT UNION MANAGEMENT COMMITTEE (2 positions)

Applicants for the positions must be students who have successfully completed the equivalent of at least one year's full-time study, though members who expect to reach this qualification as a result of this year's examinations may apply in anticipation of this.

Nominations should be made in writing and preferably on the form available from the Association office.

Nominations close and appointments will be made at a meeting of the SRC (STudent Representative Council) to be held on March 19, 1986 in the Cafeteria Extensions at 1pm.



Richard Casey, Environmental Affairs Officer

LITTER A CAUSE FOR SOLIDARITY

Each day by mid-morning the Cafe at Auckland University is more ressemblant of the Meola Rd Tip. The tables are a sea of polystyrene cups, some left half filled with coffee, invariably with cigarette butts floating about. Discarded copies of the morning paper lie amongst empty chip bags and breakfast bowls sit idle with muesli slowly baking to the side.

By mid-afternoon the Cafe looks like Darwin in the wake of cyclone Tracey. Tables are awash with coffee, juice, vinegar and whatever. One finds it difficult to determine their colour as garbage is strewn as far as the eye can see.

Similar scenarios are found in the Quad, the Coffee Bar, the Coffee Lounge and the Milk Bar.

Come forward students of Auckland. Let us unite. Let us commit ourselves to making this problem a thing of the past. Let us look forward to a clean environment where people put their rubbish in bins.

It will be for the good of everyone. The Custodians will be happier, the Cleaners will be happier, the Catering Staff (who are paid to prepare food - not clean) will be happier, WE will all be happier and visitors will be impressed.

If we want to make the world a better place, let's begin in our own backyard.

Nominations are invited for a position as Association representative on University and joint Committees. The term of office until 31st October 1986. The position available is: Audio-Visual Committee (1 position)

Applicants for the position must be students who have successfully completed the equivalent of at least one year full-time study, though members who expect to reach this qualification as a result of this years examinations may apply in anticipation of this.

Nominations should be made in writing and preferably on the form available from the Association office.

Nominations close and appointments will be made at a meeting of the SRC. (STudent Representative Council) to be held on March 19, 1986 in the Cafeteria Extension at 1pm.

Further information concerning these positions is available from the Secretary, or from the President.

Pilar Alba, SECRETARY



Lisa Sabbage, Womins Rights Officer

Tena koutou katoa wahine Welcome to University everyone, you all had exciting holidays and you made enough bucks to feel for the first term at least. I'm Sabbage, your Womins Rights Officer for 1986. You can find me very up in Womenspace or by phoning 789 ext 858. I'm available just anytime of the day for questions, conversation, resources information, and also to listen to suggestions.

Okay, here you are at long confused and positively befuddled all this Orientation carry-on. You know anyone and you're not whether this is the right place for after all. Rest easy, you're not and yes there is a light at the end of tunnel.

The first step, if you're a woman student, is to come up to Womenspace for some time-out from all the noise, panic, study anxiety general bustle. There's plenty of time to read, displays to look at, a study area, plenty of peace and quiet, tea and coffee too! What more do you ask for?

The next step once you've sat down and relaxed is to think about who are and what your interests (outside of study). Joining groups is one way of meeting people you have things in common with and consequently feeling less alone and making friends. Up in Womenspace there's lists of all the women's groups you can join - add your name to you're interested in and watch for notices in *Craccum* for meeting times. There'll also be a place for you to put your suggestions and ideas for groups or workshops. For instance if anyone interested I thought we could arrange a workshop for women to learn how to use the sound-desk up at Campus Radio with a view to making your own programme.

Leading on from this, there's heaps of facilities and resources for you to use in the Students Association which you might be unaware of. Ask any of the Exec. members any questions about exactly what you want to know and you'll be surprised to find they're strangely human and sometimes quite helpful.

There's lots more I could go on about, but limited space prevents. Watch the *Nga Wahine* column in the news of and about women on campus and round the world. Whatever you do just remember not be too scared to ask questions or venture up to Womenspace.

Ka kite, Lisa.



27 Lorne Street
(near rear entrance 246)
Auckland
Telephone 790-328

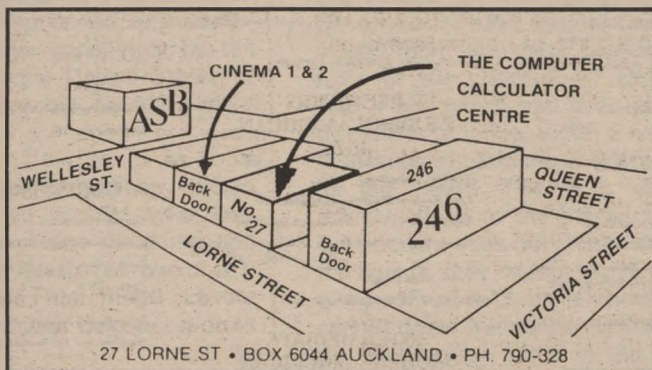
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TRADING HOURS:
Monday — Friday 9.00 a.m. till 5.30 p.m.
Late Night Friday

CASIO SHARP HEWLETT PACKARD PANASONIC EPSON
 CANON SANYO

Student Community Services

AGENDA FOR POLITICAL SPACE

TIME - Daily 1-2pm
VENUE - Little Theatre, Maidment.
Slideshows, videos and speakers on international issue.
Monday 3rd. Slideshow on the Philippines by Fraser Wood. He recently attended an international conference there on behalf of New Zealand students.
Tuesday 4th. Video and talk by Janet Bedgood, recently returned from Nicaragua.
Wed. 5th. Ourselves alone. Video - 'Boden Town' and a political discussion on the current situation in Northern Ireland.
Monday 10th. Surprise!!!
Tuesday 11th. Presentation on Palestine plus a video 'Under Israeli Rule'.
Thursday 13. Amnesty International meeting. All new members please come along.
Friday 14. Talk and video on the Independence Movement in New Caledonia (Kanaky) presented by Phil from Corso.
For further information on any of these, contact Fraser Wood (AO Rm 113).

SPECIAL GENERAL MEETING

Notice is given that a Special General Meeting of the Association will be held in the main hall of the Recreation Centre at 1pm on Monday 10th March 1986 to consider the following motion:

THAT we have no confidence in Peter Boys as Editor of 'Craccum 1986'.

Pilar Alba,
SECRETARY,
27th February 1986

INTERNATIONAL STUDENTS HOSPITALITY INC

ISHI is interested in you as an overseas student visiting our country for Tertiary Studies. We would like to involve you in social and cultural activities during your stay in New Zealand. In past years students such as you have enjoyed a wide variety of activities and outings provided by ISHI, these have included:-
1) Trips to various islands in the beautiful Hauraki Gulf; 2) Ski trips to Mt Ruapehu; 3) Fruit picking at various orchards; 4) Scenic tours throughout Auckland and visits to Northland; 5) Visiting New Zealand families for meals and hospitality. Some students have in the past prepared national dishes for their host families; 6) Also ISHI has families and individuals who would like to take a personal interest in you and make you feel at home during your time in Auckland.

Should you be interested in any ISHI activities, send your name, address and telephone number to:
R.A. Scott
President ISHI
Phone: 494-442
15 Harley Rd
Takapuna
T. Hewett
Acting Secretary
Phone: 675-093
31 Penny Ave
Mt Roskill

A Public Meeting has been called for Thursday 6th March, 1986 at 7.30pm in the Maclaurin Chapel, Auckland University, Princes Street.

Discussion
- The far reaching peace proposals for nuclear disarmament recently put forward by the Soviet Union.
- The United Nations International Year of Peace 1986 and the significance of these peace proposals.
- Actions that the Peace Movement and the NZ Government can take in this important year.
Speakers - a Soviet Embassy Representative, Sonja Davies F.O.L., and Gerald O'Brien.
Discussion - Supper - Bring your friends - all welcome.

NGA TAUIRA MAORI

NGA TOKI & THE TUMUAKI MAORI COLLECTIVE

Nga Toki is a committee which is made up of representatives from each Maori student group on each of the Campuses.

It is the communication link which Maori students have between each campus. It meets 5 times a year to discuss and act on issues of concern to each Maori student group. This year some of the issues are:

- Bursary Review and Maori peoples access to education.
- Te Huinga Rangatahi and Runganga Tauira
- School visits and running orientation Hui's for prospective Maori university students.

Nga Toki attends Te Huinga Rangatahi (an annual Hui for Maori students, and other Maori youth), and NZUSA's May and August Council. It is also responsible for setting aside tasks for the Tumuaki Maori. The Tumuaki Maori convenes Nga Toki and is elected by Maori students to do the work which Nga Toki sets. Tumuaki Maori is their representative on NZUSA.

For the first time this year, this position was made into a collective, because of the totally unacceptable workload that the 1984 and 1985 Tumuaki had to contend with. Though it was a great hassle to get the position made into a collective, it was more than worth it, and now they can represent you better.

The job of Tumuaki Maori Collective differs slightly from other National Officers in that they are responsible not only to the Maori student community but to the wider Maori community as well.

The Tumuaki Maori Collective for 1986 are:

Mate Puriri and Te Aniwa Tutara. Mate comes from Tai Tokerau and is of Nga Puhi descent. She completed a business studies degree in 1985 at Massey. Te Aniwa is from Ngati Whatua and completed a BA degree in 1985 at Tamaki Makaurau. They are here to work for you and can be communicated with on an individual level or through the Maori student group here at Auckland University.

UNIVERSITY BOOK SHOP

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DICTIONARY OF CONTEMPORARY
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YES...

FREE

STUDENT UNION BUILDING
34 PRINCES ST AND 19 HIGH ST
AUCKLAND 1
TELEPHONE 771 869



THE UNIVERSITY OF AUCKLAND

Late Enrolment Details

before 31 March 1986

1. ENROLMENT APPLICATION FORM

- A (i) If you have submitted a Preparatory Application Form to the Registrar OR
(ii) you were enrolled at the University of Auckland in 1985 OR
(iii) you are an overseas student who has been admitted by OSAC for the first time in 1985
COLLECT YOUR PRE-PRINTED ENROLMENT APPLICATION FORM FROM ROOM 016, LOWER GROUND FLOOR, REGISTRY.
- B If your last enrolment was at the University of Auckland prior to 1985 and you have not submitted a Preparatory Application Form
PROCEED TO ROOM 110, GROUND FLOOR, REGISTRY AND GIVE DETAILS OF YOUR LAST ENROLMENT.
- C If you are enrolling at the University of Auckland for the first time and have not submitted a Preparatory Application Form
PROCEED TO ROOM 110, GROUND FLOOR, REGISTRY AND COMPLETE A PREPARATORY APPLICATION FORM.

NOTE: In all cases late fees are payable.

2. Fill in the parts of the Enrolment Application Form appropriate to your enrolment. Please do not separate these forms which will be detached as required during enrolment.
3. PHOTOGRAPHER
Outside Room 002 (Lower Ground Floor, Registry) March 3 - March 7 10 - 12 am and 3.30 - 5 pm
March 10 - March 27 8.45 am - 9.45 am
4. LIBRARY
Proceed to the Library (5 Alfred Street) report to the 'Lending Enquiries' Counter.
5. STUDENTS' ASSOCIATION
Proceed to the Administrative Office of the Students' Association in the Student Union, (34 Princes Street), and hand in your Roll of Members Card.
6. APPROVAL OF COURSE OF STUDY
Have your course approved in accordance with the instructions on the reverse of this sheet for the Faculty or Faculties in which you are enrolling. The Deans and their locations are indicated on the back page of these instructions. For location of Departments refer to the Map.
7. STATISTICAL DATA, CODING AND CHECK OF COURSE APPROVAL
Proceed to Room 002, off the foyer, Ground Floor, Registry.
8. STUDY DEFINITIONS AND CLAIMS
Proceed to Room 102, off the foyer, Ground Floor, Registry.
9. CALCULATION OF FEES
Proceed to Room 116, Ground Floor, Registry.
10. PAYMENT OF FEES
Proceed to Cashier, Ground Floor, Old Choral Hall (cnr Symonds St/Alfred St)
IMPORTANT: YOUR ENROLMENT IS NOT COMPLETE UNTIL YOUR ENROLMENT FORMS HAVE BEEN ACCEPTED BY THE CASHIER.



UNIVERSITY OF AUCKLAND RECREATION CENTRE PROGRAMME TERM 1, 1986

The University of Auckland Recreation Centre as part of its Recreation Programme for Term 1, 1986, will be offering the courses detailed below. Except where otherwise stated courses consist of 8 classes and are open to students of the University and teachers who hold current Recreation Centre membership only. Brief details on each course are shown, but further information can be obtained at the Recreation Centre, or by calling Lance Hadfield on 737-999, ext. 8374, during the enrolment weeks. Enrolment is essential for all courses, and will take place at the Recreation Centre from 24 February to 7 March. All fees must be paid on enrolling, and proof of membership presented.

YOGA

Teacher: Tim Martin
Class Numbers: Maximum 20, Minimum 10
Times: YG 1 Mondays 12 noon - 1 pm
YG 2 Mondays 1 pm - 2 pm
YG 3 Tuesdays 1 pm - 2 pm
Dates: YG 1 & 2 10, 17, 24 March, 7, 14, 21, 28 April, 6 May
YG 3 11, 18, 25 March, 8, 15, 22, 29 April, 6 May
Venue: Dance Studio
Enrolment Fee: \$16 Students, \$20 Staff

YOGA

Teacher: Mike Ryan-McKay
Class Numbers: Maximum 20, Minimum 10
Times: YG 4 Wednesdays 1 pm - 2 pm
YG 5 Thursdays 12 noon - 1 pm
YG 6 Thursdays 1 pm - 2 pm
Dates: YG 4 12, 19, 26 March, 2, 9, 16, 23, 30 April, 13, 20, 27 March, 3, 10, 17, 24 April, 1 May
YG 5 & 6
Venue: Dance Studio
Enrolment Fee: \$16 Students, \$20 Staff

SELF DEFENCE

Teacher: Maewyn Ireland
Class Numbers: Maximum 20, Minimum 10
Times: SD 1 Tuesdays 1 pm - 2 pm
SD 2 11, 18, 25 March, 8, 15, 22, 29 April, 6 May
Venue: Martial Arts Studio
Enrolment Fee: \$16 Students, \$20 Staff

MOVEMENT THEATRE

Teacher: Stephen Mathews
Class Numbers: Maximum 20, Minimum 10
Times: MT 1 Tuesdays 5 pm - 6 pm
MT 2 11, 18, 25 March, 8, 15, 22, 29 April, 6 May
Venue: Dance Studio
Enrolment Fee: \$16 Students, \$20 Staff

BEGINNER BALLET

Teacher: Julie Paluch
Class Numbers: Maximum 20, Minimum 10
Times: BT 1 Mondays 5 pm - 6 pm
BT 2 Tuesdays 12 noon - 1 pm
Dates: BT 1 10, 17, 24 March, 21, 28 April, 5 May
BT 2 11, 18, 25 March, 8, 15, 22, 29 April, 6 May
Venue: Dance Studio
Enrolment Fee: \$16 Students, \$20 Staff

CONTEMPORARY DANCE

Teacher: Julie Paluch
Class Numbers: Maximum 20, Minimum 10
Times: CD 1 Wednesdays 12 noon - 1 pm
CD 2 12, 19, 26 March, 2, 9, 16, 23, 30 April
Venue: Dance Studio
Enrolment Fee: \$16 Students, \$20 Staff

BEGINNERS MODERN AMERICAN JAZZ

Teacher: Leslie Hogg
Class Numbers: Maximum 20, Minimum 10
Times: BAJ 1 Thursdays 5 pm - 6 pm
BAJ 2 13, 20, 27 March, 3, 10, 17, 24 April, 1 May
Venue: Dance Studio
Enrolment Fee: \$16 Students, \$20 Staff

INTERMEDIATE MODERN AMERICAN JAZZ

Teacher: Lesley Hogg
Class Numbers: Maximum 20, Minimum 10
Times: IAJ 1 Thursdays 6 pm - 7 pm
IAJ 2 13, 20, 27 March, 3, 10, 17, 24 April, 1 May
Venue: Dance Studio
Enrolment Fee: \$16 Students, \$20 Staff

ENROLMENT DETAILS

- Enrolment will take place from 24 February to 7 March in Lance Hadfield's office, Administration Section, Mezzanine Floor of the Recreation Centre.
- It is essential that you enrol if you wish to participate in any of the activities listed.
- All fees must be paid on enrolling.
- Current membership cards must be presented.
- The Centre reserves the right not to schedule any course where enrolments do not meet the minimum number required for a class.

LEARN TO PLAY SQUASH

Teacher: Lance Hadfield
Class Numbers: Maximum 6, Minimum 4
Times: LTS 1 Mondays 2 pm - 3 pm
LTS 2 Mondays 3 pm - 4 pm
LTS 3 Wednesdays 10 am - 11 am
LTS 4 Wednesdays 11 am - 12 noon
Dates: LTS 1 & 2 10, 17, 24 March, 7 April
LTS 3 & 4 12, 19, 26 March, 2 April
Venue: Squash Courts 8 & 7
Enrolment Fee: \$10

IMPROVERS SQUASH

Teacher: Peter Heaven
Class Numbers: Maximum 6, Minimum 4
Times: IS 1 Wednesdays 5 pm - 6 pm
IS 2 Wednesdays 6 pm - 7 pm
IS 3 Wednesdays 8 pm - 9 pm
IS 4 Wednesdays 9 pm - 10 pm
Dates: IS 1 & 2 12, 19, 26 March, 2 April
IS 3 & 4 9, 16, 23, 30 April
Venue: Squash Courts 6 & 7
Enrolment Fee: \$10

BEGINNERS TENNIS

Teacher: Alan Burns
Class Numbers: Maximum 8, Minimum 4
Times: TN 1 Mondays 4 pm - 5 pm
TN 2 10, 17, 24 March, 7 April
Venue: Stanley Street Courts
Enrolment Fee: \$12 Students, \$15 Staff

IMPROVERS TENNIS

Teacher: Alan Burns
Class Numbers: Maximum 8, Minimum 4
Times: IT 1 Tuesdays 4 pm - 5 pm
IT 2 11, 18, 25 March
Venue: Stanley Street Courts
Enrolment Fee: \$12 Students, \$15 Staff

ALBERT WENDT HERE FOR YEAR

Samoan writer and academic Albert Wendt has been appointed Visiting Fellow in Pacific Literature in the English Department at Auckland University. The special fellowship is for a year, and is being funded by the Auckland University Foundation, which was established to mark the University's centenary in 1983.

Albert Wendt was born in Apia, has an MA degree from Victoria University, and is now Professor of Pacific Literature and Head of the School of Education at the University of the South Pacific in Suva.

He has become widely known as a novelist, short story writer and poet. *Sons for the Return Home*, his first novel published in 1973, has been followed by two more novels, three volumes of stories and two collections of poems. The novel, *Leaves of the Banyan Tree*, won the Watties Book of the Year Award for 1980.

Professor Wendt says he considers New Zealand his second home as he spent 13 years here as a student and teacher. He is working on two new novels, both set partly in New Zealand, and he says he is delighted at the chance the University is providing for him to do some research here and to write full-time as a break from working largely as an administrator.

THE UNIVERSITY OF AUCKLAND PROPOSAL TO INTRODUCE THE DOCTOR OF ENGINEERING DEGREE

Although the practice of engineering depends on scientific discovery and knowledge, its prime purpose is different. Engineering endeavours to provide answers to problems which relate to the economic provision of services, systems and artifacts. As such, professional engineering activities are not strictly relevant for the award of DSc degree, which is awarded for work 'published in book form or in scholarly journals in general circulation'.

All fields of engineering are expanding and developing in New Zealand. There is a need for outstanding contributions, particularly in design and invention, to be recognised by the University. This can be most appropriately achieved by the award of a higher degree designed specifically for engineering and technological achievement.

The University of Canterbury has recently approved the introduction of a Doctor of Engineering degree which is very similar to the one proposed here. In Australia all universities, except New South Wales, which award BE degrees also award degrees of Doctor of Engineering. In the United Kingdom the same situation applies with a few exceptions such as the Universities of London and Wales where only some of their colleges award BE degrees.



"I wandered lonely as a cloud..."

HEATH

HUMANITY THE CASE OF LEONARD Peltier

Imagine, if you would for a minute, living in a room the size of your bathroom. Imagine spending most of your life over the last ten years enclosed in such a place. Three walls and bars. Imagine the feeling of nearly constant confinement, walls closing in on you, and the continuous battle to suppress all thought of such. Imagine being there not because you are a criminal, a threat to society, but because you devoted your life to the well-being of your people. Imagine having to be cautious of every move you make, for eyes are forever on you, waiting for you to slip. Imagine knowing that those who are your supporters wish you dead and have, in the past, tried to assassinate you. Imagine living this life, imprisoned by a frame-up, by a massive conspiracy by the Government of the United States of America. Imagine the life of Leonard Peltier.

Leonard Peltier is a Chippewa/Lakota American Indian Movement (AIM) activist who was named on the charge of aiding and abetting in the deaths of two F.B.I. agents on the Pine Ridge Lakota Reservation in South Dakota on June 25, 1975.

After the Lakota/AIM occupation of Wounded Knee in 1973 there were clear indications that the FBI was really going all out to get Leonard Peltier. First, they shifted the jurisdiction from Iowa to North Dakota and Judge Paul Benson (a Nixon appointee) became the new judge. The FBI and federal prosecutors denied defense requests for evidence such as ballistics reports, autopsy reports and other evidence which would have aided Leonard's defense. Judge Benson denied the defense the right to present to the jury testimony about FBI misconduct around the case. Despite only very circumstantial evidence against Leonard, he was convicted and sentenced to imprisonment for two lifetimes.

With his case in the Appeals Court, Leonard struggled in prison for better prison conditions and for the right of Indian prisoners to practice their religion. This led to a fast by Leonard Peltier, Al Garza and Standing Deer in Marion Federal Prison after the lockdown. Positive effects are still being felt from this fast.

Through the Freedom of Information Act, Leonard's defense was able to get 12,000 pages of FBI files on his case. These files contradicted or threw into question every point of 'evidence' against Leonard at his trial.

In April 1984, the Appeals Court ordered the trial judge to hold an

Prison Plight
Appeals Court
A HUMAN ISSUE
Shades of
Arthur Allan
Thomas

'evidentiary hearing' on the meaning of a telegram from the FBI office in Washington, D.C. to the field office in South Dakota, which stated that the gun attributed to Leonard could not have fired the bullet which was used in Leonard's trial to link him to the 'murders'. At the hearing in October 1984, when the FBI ballistics expert was caught in perjured testimony and later came in and changed his testimony, the trial judge, in his decision, stated that since the agent came back and changed his testimony, he only added to his reliability.

The Appeals Court agreed to hear oral arguments and these were made on October 15, 1985. The judge's questions demolished the Government's case against Leonard in a court room with many supporters. In front of the courthouse, supporters held a vigil which had been preceded by months of rallies, vigils, a walk, and thousands of petitions and letters sent to the Court. The U.S. Attorney acknowledged to the judges that the Government does not know who killed the agents, they cannot prove that the gun used was in Leonard's possession; cannot prove the connection between the shell casing found in the agent's car and the gun Leonard is said to have been using.

We are now waiting for the decision from the Appeals Court. There is a great need for people to let the Appeals Court judges know they support a new trial for Leonard Peltier. Please write letters of support to: Judges Gerald Heaney, John Gibson and Donald Ross
U.S. Court of Appeals (Eighth Circuit)
1114 Market Street
St Louis, Missouri 63101 U.S.A.

People of all colours and backgrounds should come together and support Leonard Peltier, not only because of the above reasons, but also because it affects them. The government will use, and has used, these same tactics against ALL people who have stood up to their shameful game. Leonard Peltier's case is the one case that we can prove beyond any doubt that the government conspired to frame an activist. Thus, if we can get Leonard a new trial, this will be a step in the struggle against government suppression and abuse of activists.

In Solidarity,
Arthur J. Miller

A VIEW FROM A DARK NEGATIVE

'Getting to print' or why the left wing failed.'

Getting to print has not been easy for Craccum, it is a long story and so I shall start at the beginning.

Late in 1985 a Special General Meeting was called by concerned elements of the student executive. The group and its leader, President Graham Watson, wanted the Editor of Craccum to be an elected position. This was an important change from the previously appointed editors who had run down the quality of the newspaper in 1985 to a point when it wasn't worth a dried fig, or the paper it was printed on.

The Special General Meeting was on the 15th August in B. 15 Lecture Theatre. The Craccum staff of 1985 and their supporters tried to prevent students entering this lecture theatre. Eventually enough students were able to shoulder their way past the desperate pseudo-socialists and a quorum was reached. Speakers from that group then attempted to frustrate the meeting with several false and delaying motions. Eventually the meeting turned on those radicals who then left the meeting, screaming abuse and shouting threats. The vote was taken and by 197 to 6, you the students voted for Craccum to have an elected editor. The first time ever, for a New Zealand University, though it's a common occurrence overseas.

It would have been a wonderful demonstration of some students belief in democracy if their disgraceful actions had ended there in the lecture theatre. But sadly these pseudo-socialists are bad losers!

As a result of thefts by individuals of the extreme left wing, Craccum is short of over \$1000 worth of equipment! These radicals haven't ripped off Craccum, they've ripped off the student body. That means YOU! I don't know about others but I object to my student association fees disappearing into the pockets of ratbags, and students who oppose democracy.

The thefts were clearly designed to put Craccum and the elected Editor out of action. They've been foiled in this action, thanks to the efforts of the editor, your President and the restructured Administration Board, in their quick replacement of the equipment; dedication and determination, to ensure Craccum reaches you.

These pseudos have continually abused the newly-elected editor and the staff of Craccum. The editor has even had his own life threatened! A warning to these so called concerned students/intellectuals who will stop at nothing to prevent a free Craccum from coming to fruition, the majority of opinion as clearly expressed in B.15 and the clear majority of the elected editor shows you are a 'spent force'. Craccum is even coming out a week earlier than usual, despite the odds; democracy and determination will win the day.

ANSELL ADAMS

LAW STUDENTS SOCIETY Voluntary or compulsory?

The University Council has decided that after 1986 students will be permitted to enrol in law without first joining the law students' society. I brought this issue before council because I believe that a student has a right to enrol in any university course if s/he has the required academic qualifications and is willing to pay proper tuition fees; whether a student joins any club in addition is her/his business and has, or rather should have, nothing whatever to do with enrolment.

Telling students they must join the law students' society before they can enrol in law violates free access to education and downgrades this university as an institute of learning.

The law school is the only faculty on campus which compels its students to join a faculty club and many people defend compulsory membership of the law students' society on the grounds that the law students are themselves in favour of it. This argument is self defeating because if law students are themselves in favour of compulsory membership then it will be unnecessary to force them to join their society; unless such people wish to argue that law students prefer to be *compelled* to join rather than to join voluntarily. Imagine such a law student thinking (well try anyway) 'I don't want to join the law students' society but I do want to be compelled to join so that I *will* join because if I'm not compelled I might not join and then I would miss out on all the benefits of joining.'

I sincerely apologise to all law students who will have to face this agonising choice in 1987 but you can take comfort that this year the choice has been made for you so you will be spared the terrible burden of having to exercise a free choice.

I urge all law students to attend the general meeting which will occur early in the first term to debate whether membership will continue to be compulsory. Doubtless an attempt will be made to persuade law students to pass a general meeting resolution requesting council to continue compulsory membership beyond 1986.

The argument that the Auckland University Students' Association has compulsory membership so why not the Law Students' Society is superficial and a red herring. There is really no analogy at all: AUSA represents ALL students through its two representatives on the University Council (the supreme governing body of the university), and its 5 representatives on senate (the supreme academic body of the university).

AUSA has helped finance litigation to provide student with greater protection against being excluded from the university. The existence of the sexual harassment grievance system (inadequate as it is) is entirely due to the efforts of your student union.

Imagine meat workers at Westfield forming the Westfield Meatworkers Club and making membership of the club a condition of being employed as a meat worker at Westfield and then justifying it by saying 'The meat workers' union has compulsory membership so why should we not have it too'. For the meat workers union read the Auckland University Students' Association, for the Westfield meat workers club read the law students' society. Just as the meatworkers union looks after all meat workers and represents them so does the AUSA represent and look after all its members.

The Law Students' Society can no more be compared to our Students' Association than the Westfield Meat workers club could be compared to the New Zealand Meat Workers Union.

Steven J. Mitchell



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Craccum

THE SPIRIT OF AUCKLAND UNIVERSITY



Reports have been received that the South African Apartheid Union is keen to send a team to New Zealand this year. Apartheid is a relatively new but growing sport in New Zealand and news of the proposed tour has aroused much interest in certain quarters.

In the past Kiwis have been uncharacteristically modest about their ability to play this very tough game, but despite this, recent progress in its development seems to suggest that there is considerable potential in the country. Some observers, among them South Africans, believe that it will not be all that long before New Zealand apartheid reaches international standard. The South Africans will only be sending a second class team, but the game in New Zealand should be stimulated by such recognition from the world champions. In South Africa the political climate is such that apartheid is played all the year round.

It is true that the recent increase in the popularity of apartheid has been accompanied by a marked decline in the country's traditional game of racial equality. Despite government subsidized propaganda to the contrary, the days when New Zealand led the world in this field now seem far off.

There was nobody available to give the N.Z.A.U.'s reaction to the news although a Dr Wild said that he was quite satisfied that the rules of the game are being upheld. What this seemingly irrelevant remark was intended to mean is not clear - perhaps just the jibberish of a fanatical supporter of the game. A more comprehensible statement is expected. Officials to the S.A.A.U. are expected in Wellington shortly to arrange details of the tour.

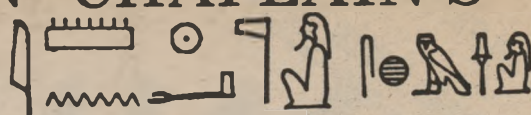
NZ Design Students Dominate Awards

New Zealand design students have dominated a NZ\$8,500 industrial design competition judged in Sydney recently. The Kent Student Design Award attracted eight entries from both sides of the Tasman. The three New Zealanders, Philip Brace, Paul Belchambers and Rick Van Zonneveld, all students at the Wellington Polytechnic made a clean sweep by notching the three prizes. It was the second time since the award was established in New Zealand three years ago that Australian students were invited to participate.

The award, which is administered by the New Zealand Society of Industrial Designers in association with the Design Institute of Australia, is sponsored by Auckland-based Kent Heating Limited, a larger manufacturer of solid fuel heaters. The decision to include Australian students in the award was prompted by the CER accord, and its main purpose is to encourage excellence in industrial design at tertiary training level. All three New Zealanders presented designs for tea kettles and babies' baths - a main element of their final year projects.

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Sunday 7pm
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THURS: 1.10pm
FRI: 1.10pm
For appointments with Auckland University Chaplains - book through Maclaurin Chapel, Secretary.

EGYPTIAN CHAPLAIN'S CHAT



The Principle of Duality

Ursula K. LeGuin, well-known science-fiction writer, introduced earthlings to the 'Principle of Simultaneity', a system for communicating instantaneously across the vast reaches of hyperspace.

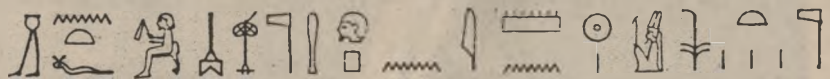
Egyptians have always been aware of the duality of the multiverse, and so LeGuin's idea is neither new nor unexpected to us. The entire system of communication and language of the ancient Egyptians was in fact based on subtle (or sometimes, blatant) representation of the adventures of the gods, which are solemnly re-enacted in terms we mortals can comprehend.

Duality is such an essence in Egypt that its religion and culture are inconceivable without it. The land itself was divided into two parts, Upper & Lower Egypt (corresponding to the South and North respectively) which had as their respective prime deities the two contending gods Horus and Seth. Although we conventionally think of Seth as an 'evil' deity (because of his violence and ill-treatment of the good gods), he is nevertheless still worshipped because of the need for a 'bad god' to allow the 'good' to hone their style on. As a flippant scribal proverb says, 'If Seth did not exist, it would have been necessary to invent him'. These two different lands, with their two opposing deities, achieve one-ness, unity, in the person of the Pharaoh who wore the Two Crowns, White and Red, of the Two Lands, reflecting the two humours: white lymph and red blood cells. This guides us in achieving

a personal unity with the gods ourselves: not one of 'boring blind faith' as the monotheists do, but of mental and spiritual stimulation and excitement.

The element of duality being so important to Egypt is the reason why, when the divine Ennead (group of nine gods) decided to re-establish their worship and understanding amongst mortals in this era, the age of Ngaia, they chose to do it in Aotearoa, a country which reflects unity in duality clearly: Maori and Pakeha, North Island and South Island, Female and Male, and even the fact of this country's pivotal stance among the two armed camps that the planet is divided into, East and West. The gods thus clearly indicate that this country can show the world the way to universal peace, freedom from nuclear annihilation, and worship of the Egyptian gods, who will make this possible. So these contentions make it easy for us to understand the contentions of Horus and Seth. It also puts a much more optimistic construction on what we are told to fear in this age: the division of the globe into nuclear-armed camps. 'If the communist bloc did not exist, it would have been necessary to invent her.' We can see now that rather than fearing division and contention, we can welcome it as a stimulant to human evolution, provided by the gods in their wisdom for us to grow spiritually thereby.

For more information, write to The Ancient Egyptian Church of the Infinite, P.O. Box 3189, Auckland.



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WRITE TO US!

GAY STUDENTS

'We are everywhere' - which is a bit of a problem at the moment because I'm the only one quite here, so it's fallen on me to announce that Gay Students are still alive and ready to go again in 1986. Find out about us - come to our Orientation Dance, 8pm Friday 14th March (\$2). Meetings (social) Fridays 4-6pm Rm 144. Information - see our noticeboard by the Library overpass or phone Brent (767-790) for details.

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