AMALGAMATION

Senator Susan Ryan's announcement that the amalgamation of Newcastle CAE with the University will not go ahead has been welcomed by the President of the Staff Association (Dr. Don Wright).

However, great care would be needed, Dr. Wright said, in establishing machinery to implement the co-operative planning which Senator Ryan wanted for the region to carry on.

The Minister for Education and Youth Affairs, Senator Ryan, said on June 9 that the previous government had forced the institutions to proceed with amalgamation plans under threat of withdrawing funds. However, during the election the Labor Party undertook to stop amalgamations in Newcastle and Armidale and the government was now doing so. She said that the Government rejected the policies of coercion and contraction which were the hallmark of the previous government's approach to higher education.

The Labor Government would be considering in the budget context measures to increase the numbers of students participating in higher education. The higher education institutions in Armidale and Newcastle would be eligible to participate in any such measures and would be asked to plan co-operatively for increased participation based upon the joint use of available resources, including the technical and further education facilities in their regions.

Senator Ryan said she would discuss with the New South Wales Minister for Education the measures which needed to be taken to facilitate co-operative planning and would ask the Commonwealth Tertiary Education Commission to take the matter up with the New South Wales authorities.

"In the first half of 1985, the CTEC will be asked to review the situation in consultation with the institutions in Newcastle and Armidale and to provide advice to the Government on future developments in higher education in these regions."

Senator Ryan said that this decision had been taken against the background of the serious budgetary problems confronting the Government. Consequently, the Government was not able to provide any additional funds immediately for the institutions concerned.

The existing States Grants Legislation would be amended as soon as possible in the budget settings of Parliament to provide separate funding for the four institutions within the current level of grants.

The Government would not be re-opening the other amalgamations that had already been achieved.

Senator Ryan added that she would make public the text of the CTEC's recommendations to the Government which supported the amalgamations.

Dr. Wright said he welcomed Senator Ryan's statement and her suggestion that the University may have a special place in Labor's plan to increase participation in tertiary education.

Given that the level of participation in the Hunter Region is one of the lowest in the country this ought to be an urgent priority for any government, especially a Labor one.

"My Association", Dr. Wright said, "will do its best to work with Senator Ryan and the New South Wales Minister, Ron Mulock, to facilitate co-operation between the three tertiary institutions in the Region.

"Great care will, however, be needed in establishing machinery to implement this co-operation to ensure that it in no way infringes the autonomy of the University as any reduction in our autonomy would have enormous and unfortunate consequences for the future."

"This Association will be on its guard", he said, "to protect the University against any such infringements by either the Commonwealth or State authorities. In this regard, recent NUB suggestions relating to the creation of a regional advisory committee must be approached with the greatest possible caution."

I am particularly worried by the statement that there will be a CTEC review of the way in which co-operative planning is working in the first half of 1985. We are well aware that CTEC wished the amalgamation to proceed and must ensure that they find no opportunity to bring about an amalgamation by stealth or by stages".

INSIDE - FOUNDRING FATHER
COUNCIL

The Vice-Chancellor reported on developments in the amalgamation issue since the Council had met previously.

The Commonwealth Minister for Education, Senator Susan Ryan, had accepted Convocation's invitation to be the speaker at its annual general meeting on June 29. The Minister had indicated that she would spend some time at the University that afternoon. She would prefer to use the time to inspect academic activities rather than to meet delegations.

The Vice-Chancellor mentioned a discussion paper which had been forwarded to him by the Chairman of the Higher Education Board, Mr. Perry. The paper concerned the future co-ordination and co-operative planning of higher education in Newcastle.

He also reported that the visit of the Universities Council to the University had been postponed until September.

During a recent visit by the Higher Education Board, emphasis had been given to the large increase in the University's overall student enrolments this year and the implications of this for the current and the 1985-87 triennium.

A Long Service Medal will in future be presented to every employee of the University who achieves 25 years' unbroken service.

According to the Vice-Chancellor, who proposed that long service should be recognised in this way, 32 employees and 14 retired employees are eligible for medals.

It is hoped that the first presentations of Long Service Medals will be made in association with the October Council meeting.

The Myall Lakes Field Study Centre which both the University of Newcastle and CAE have agreed should be called the Les Gibb's Field Station, is now nearing completion. Wet weather throughout the construction period has delayed completion and made access difficult. Completion of the building work is now expected by the end of June.

Council considered a report from the Management Committee of the Radio Station which recommended that an application for a renewal of the licence be made and sought action to assist the Station overcome some difficulties it was currently experiencing because of lack of resources.

The Council expressed sympathy for the Station and asked the Vice-Chancellor to consider the matter as sympathetically as possible.

On the recommendation of the Advisory Committee on Equal Opportunity, Council decided:

- That in addition to the formally constituted membership of the ACEO an observer from the parallel committee at Newcastle CAE be invited to be present at future meetings, and
- That the membership of the Committee be increased by the appointment of a person with an ethnic background as a full member of the committee rather than as an alternate to The Hon. Mr. Justice M.D. Kirby as previously decided.

The Vice-Chancellor informed Council that the Principal of Newcastle CAE had written to him expressing the CAE's interest in the Equal Opportunity Co-ordinator being a Joint University/CAE appointment.

Council was advised that it now seems definite that the Local Environmental Plan for the Waratah Estate will result in the existing Reservation for Route 14 across the University site being extinguished. An alternative plan, supported by the Newcastle City Council and agreed to by the Department of Main Roads and other authorities, will involve the use of some University land at the extreme eastern end of the site to provide an extension from Rankin Drive to the Waratah Estate and Maitland Road. Negotiations are in progress between the University and the City Council regarding the effect of this alternative road on the University site. However, its impact will be significantly less than the original Route 14 proposal.

Council previously agreed to a request from the Board of Trustees of Edwards Hall to appoint Rodd & Hay Associates Pty. Ltd. to carry out a feasibility study, and prepare sketch plans, for an extension to the central facilities block at Edwards Hall to allow for anticipated future needs for additional office, board room, student meeting room and recreation accommodation and the provision of a toilet to serve the office and main dining room.

Council was informed on June 17 that the Board had approved the plans in principle and indicated it was anxious to exploit the present favourable tendering climate in the building industry by proceeding with the work as soon as possible. Council authorised the Vice-Chancellor to approve further development of the documentation for the work on request from the Board. All costs associated with the work will be met by the Hall.

Council had previously agreed in principle to its meetings being opened to all members of the University.

After discussion of the main aspects of this decision, it was agreed that subject to legal advice being sought students, staff and members of Convocation would be given access to Council meetings and that staff would not be permitted to attend in working time.

Council was told that the construction of NEWMED 2 was proceeding satisfactorily and completion was now anticipated: December, 1984. In addition to the University facilities on the top floor of the building, the New South Wales Department of Health was proceeding with the design of the Oncology Unit, which it was hoped would be completed at the same time as the rest of the building.

It is now expected that the proposed extensions to the Auchmuty Sports Centre, initiated by the Sports Union, will commence in the next two weeks. The extensions involve the enlargement of the weight training area and the provision of a sauna and spa with associated rest rooms.
books, & more books

The Friends of the University's first Book Fair opens in five weeks.

It will be held in the Great Hall for eight days, when more than 15,000 books will be on sale.

The vast majority of the stock will sell for between 5 cents and $20.

Fiction will be featured more prominently than other categories, but there will be a good opportunity to buy textbooks, magazines, sheet music and recordings.

Rare books will be displayed in a connoisseurs' corner and sold by means of a slow auction.

Having started work many months ago, members of the Faculty of the University are still collecting, sorting and pricing the donations. They are processing and storing the books in accommodation provided by the Library.

Mr. Dennis Rowe, the Archivist Officer, is giving advice in respect of the rare and antique items.

Workers in the Bookroom are sorting the books into 30 different categories.

Some of the most popular sections will probably be war, sport and recreation, homecrafts, travel, medicine, business and politics, art, architecture, music and foreign languages.

There are textbooks of all kinds (for tertiary, primary and secondary studies) and Bibles and prayer books.

The Australian section has noticeably increased since sorting commenced. To browse through these books is quite a thrill. Among Henry Lawson and Steele Rudd you find Ian Iddles, Ethel Turner and others.

The donations include some aged magazines, like Girls' Own Manuals, Picture Pots, National Geographics and, even, New Zealand Weekly Illustrated.

The slow auction will be conducted over the whole period of the Book Fair. Rarity will be listed in a register -- one item per page. Interested buyers will be able to record their bids in the register and those who offer the most will pick up their purchases on the last day of the Fair.

Treasures to be released in this section include Jorrocks' Jaunts and Jollities (1874), The Anzac Book (1916), Revolt in the Desert by T.E. Lawrence (Lawrence of Arabia), William Sharp Gladstone and his Contemporaries (1899), Examples on the Integral Calculus (1850), a two-volume set of Shakespeare's Plays (1853), and The Thousand Nights and a Night and Supplemental Nights by Richard Burton in a total of 16 volumes.

The sorters are curious about the ultimate fate of the New South Wales Industrial Gazette, 1912 to 1953 in many volumes. They will be sold cheaply, and singly if necessary.

To browse through the donations of recordings is also exciting. Many old musical performers, including Caruso, Harry Lauder and the Original Grame Bell Jazz Band, are represented in the 78s. The records are earmarked pop, classical and jazz.

The Book Fair opens at 10 am on Saturday, July 30, and runs until 5 pm on Saturday, August 6. The hours of selling are 10 am until 5 pm on weekdays and 10 am until 3 pm on weekdays.

The profits will be directed towards new student housing at the University.

People who have unwanted books on their shelves are invited to telephone 681120, 612059 or 438625 to arrange for them to be collected.

Exhibition

An exhibition is to be held in the Auchenmuty Room of the Union on July 6 and 7 of Wang's new desktop computer -- the Wang Professional Computer. The exhibition will be open from 9 am to 5 pm.

Some suggested uses for the computer are storage and editing of lecture notes and storage of research information. BASIC, FORTRAN, PASCAL and COBOL programming languages are available.

For text-oriented disciplines the unit has a powerful word processing facility, and (to be released) database, graphics, and networking.
new lease of life, maybe

The old city incinerator in Parry Street, Newcastle, won its designer a Sulman Award for architecture. Unluckily, the incinerator had a number of faults and became a bugbear for Newcastle City Council.

Today, 35 years after the incinerator was abandoned, there is talk about pulling it down. However, an alternative proposal, which is attracting a lot of attention, is that the site be used for Supernova, the science and technology centre.

The National Trust does not want the incinerator to be demolished and has supported the plan for it to be used by Supernova.

The suggestion has been made by the Board of Management of Supernova, which consists of representatives of the University, the CAE and local government, commercial, tourist and educational organisations. Dr. Tim Roberts, a member of the University's staff, is Director of Supernova.

The Board asked Newcastle City Council not only to house Supernova in the former incinerator but also to award the centre a grant for the project.

The City Council recently appointed two aldermen as its representatives on the Board.

The overall concept of the transformed incinerator and ideas for community involvement and possible sources of funding for Supernova were revealed to certain citizens of Newcastle and members of the Press at a gathering in the City Hall on June 9.

Dr. Roberts, when he spoke about Supernova was assisted by sketches and plans by Newcastle architect, Mr. Charles Martin.

Dr. Roberts said: "A multi-faceted science and technology centre must be located in an area readily accessible to the public and public transport. The incinerator, which is just one street away from Newcastle's main street, is therefore an exceptional site."

"I want Supernova to be a place where science and technology is on display, where scientific and technical information is communicated to the public and where extensive use of participatory, and other, techniques are made in transmitting the information."

"The Newcastle region needs a centre like Supernova to act as an educational resource for the community at large and to be a focus for our city's use. Moreover, Supernova will attract tourists to the city."

Dr. Roberts claimed that the former city incinerator would be an ideal home for Supernova as it had high ceilings, allowing pendulums and levers and pulleys to be set up as working displays, and abundant space for maintenance workshops and storage areas.

"We want Supernova to be able to finance its own operations, so we plan to incorporate a number of shop.

"The concept incorporates a planetarium/theatre, a small coal mine, a set of 'discovery stairs' with exhibits, a giant pendulum in the chimney stack to demonstrate the turning of the Earth and a model of Newcastle Harbour."

Dr. Roberts proposed that after the building had been adapted for Supernova in three planned stages the opening could be performed in the bi-centenary year, 1988.

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REMINDER

The annual general meeting of CONVOCATION will be held in the GREAT HALL on WEDNESDAY, JUNE 29 at 8 pm

Senator Susan Ryan, Minister for Education and Youth Affairs will be the guest speaker.

All are welcome to attend.
REVENGE in Green Room

The highly theatrical modern play, Revenge, is to be given a production in the Green Room of the Great Hall by the Department of Drama from June 28 until July 3. The play, by Howard Brenton, is directed by Drama honours student and NBN critic, Deborah Jones.

Deborah says that members of the University will surely enjoy Revenge because the very interesting and controversial Brenton has gained a large following at British universities.

His plays, like Christie in Love and The Romans in Britain, appeal to students because they relate to today's society, are simple and bold, and easily adapted to the stage.

Among the interesting features of Deborah's production:

- The cast of seven includes six Drama students, including Dimity Raftos (Elektra in The Liberation Bearers and one of the leads in the Drama Department's forthcoming major production, Don Juan Comes Back from the War).
- The two main characters are played by one actor, Adam Macaulay, singer and instrumentalist in the folk band, The Run Culls.
- The designs for the sets and props are by Theatre Custodian, Michael Bell, who will leave the University after Revenge closes.

Revenge follows the conflict between a fanatical criminal, Hepple, and an equally fanatical Assistant Police Commissioner, Archibald McLeish, as they attempt to get revenge on one another.

Hepple is on stage in Act I, McLeish in Act II. At the end of Act II they confront each other. Deborah is not disclosing how the confrontation is done.

"Although there is a real sense of menace in the play, it is very funny and explores the notion that society is devoid of any unifying moral code and that plays from the group have minimal staging requirements, relying on their inner dramatic strength for their impact.

Apart from Macaulay and Raftos, the cast includes Karen Lantry, Bill Keir, Paul Mekaham, Carl Masens and Bruce Penfold.

Deborah Jones' production will run from June 28 until July 3 at 8.15 pm and close with a matinee on July 3 at 5 pm.

Admission cost $2 and booking is essential with the Drama Department (Extension 705).
FOUNDING FATHER RETIRES

In the closing stages of the Second World War, Lieutenant
Reynold Gilbert Keats was transferred to the Army Reserve in
order to study at the University of Adelaide under the Common-
wealth Rehabilitation Training Scheme. So was launched a 38-
year career in mathematical research culminating in 22 years
as an academic.

Since 1968, Professor Keats has been closely involved with
mathematics teaching at this University. He has noted with
great satisfaction the growth both in student numbers and
research output, especially in the mathematical disciplines.
From 115 students in 1971, the Faculty of Mathematics grew to
280 students in 1976. Although the number of students declined
to 197 in 1981, this adverse trend has now been reversed and
Professor Keats says he is confident that, as the University
surmounts its difficulties, the Department of Mathematics,
Statistics and Computer Science will prosper accordingly.

Professor Keats will retire on July 14.

A South Australian by birth, he started work in a bank in Port
Pirie in 1934. Six years later, he enlisted as a member of the
Signal Platoon of the Second 48th Battalion AIF and served in both
the North African (Tobruk, Alam El Mel) and the New Guinea
campaigns. His studies at the University of Adelaide after the
war earned him a BSc. degree.

For graduate Rayn Keats 1948

was an eventful year. He married
Joy Breasley, a pre-school teacher,
and they travelled to England where Rayn worked as a
Research Scientist at the Royal
Aircraft Establishment at Farnborough, Hants. In 1951, he
returned "down under" to work at
the Aeronautical Research Labora-
tory in Malbourne and, from 1953
until 1961, continued his re-
search at the Weapons Research
Establishment in Salisbury in
South Australia.

Looking back, he notes the
pleasure he felt when he achieved
his goal of becoming an
academic. "In 1961 I was ap-
pointed as a Senior Lecturer at
Professor Keats practises his
colleague Assoc. Professor Warren
the University of Adelaide and,
although that involved a substan-
tial reduction in salary, I
considered the move to be a
promotion". His brother, Profes-
or John Keats, came to the
University of Newcastle in 1965,
and when a Chair in Mathematics
became vacant in 1967 he encou-
gaged Rayn to apply; he was
appointed to that position in
1968. He served as Head of the
Department of Mathematics until
1976 and also as Dean of the
Faculty of Mathematics from 1971
until 1976 and, again, from 1980
until 1982. As a member of the
Senate he held the position of
Deputy Chairman, 1977–1978,
and served on the several com-
mittees with which all Deputy Chairman
are involved. He has also been
Chairman of the Outside Studies
Programme Committee and a member
of ad hoc committees set up by
the Senate.

Professor Keats is currently
Chairman of the Senate Committee
that is investigating the feasibil-
ity of introducing year-round
teaching incorporating co-operat-
ive programmes at the
University. He believes that
this system, which has been
successfully followed in several
universities in North America,
would, if introduced, make for a
stronger and more viable Univer-
sity at Newcastle. He was
convincing in this option when he
worked at the University of
Waterloo, Ontario, Canada in 1979
as an exchange Professor. The
University of Waterloo enjoys a
most successful record and high
reputation; its success is based
on the introduction of the system
now being advocated by Professor
Keats.

Professor Keats sees the
University's decision to take the
mathematical disciplines out of
the Faculties of Science and Arts
and consolidate them in the first
Faculty of Mathematics at an
Australian University as probably
the major change made in its
sphere during his years at the
University. This innovation was
designed to make things easier
for students who wanted to
combine mathematics with studies,
not only Science and Arts, but
also Engineering, Economics,
Commerce, and disciplines offered
by other faculties. As for the
"quite deliberate" policy of
having just one department in the
Faculty, rather than Departments
of Applied Mathematics, Pure
Mathematics, Statistics and
Computer Science, Professor Keats
says that the greater staff and
student interaction and the fewer
problems faced by a large depart-
ment compared with those faced
by smaller departments makes such an
arrangement very appropriate in
Newcastle.

Professor Keats in a farewell handshake with his
colleague Assoc. Professor Warren Brlsley. Photo: Bob Scoble.
The Faculty of Medicine has also decided not to have departments", he says, "so it was apparently convinced by arguments similar to those which applied in the case of mathematics. The similar structure of the Faculty of Mathematics and Medicine has helped to promote cooperation between the staff, in particular in the field of Health and Medical Statistics."

Professor Keats' own research interests have been in the area of signal detection, in particular the detection of underwater signals using arrays of hydrophones. He has received grants from the Australian Department of Supply and its successors almost every year he has been in Newcastle.

Even in his teaching, administrative and research load, he has always spared time for union and campus activities. He was a member of the Executive of the Staff Association on three occasions, recently as Acting Secretary, and has been a representative of Newcastle Division of USA on the New South Wales Council and Executive.

He believes that the large amount of work done by the Executive of the Staff Association is not fully appreciated by many academics. He is often disappointed by attendances at Association meetings, where discussions are held and decisions taken on matters such as amalgamation and condition of employment which vitally affect the future of the University and its academic staff.

On the amalgamation issue, he urged all staff to support the Association in trying to kill the proposal. "I had hoped that the Federal Minister for Education would have done this, but it appears possible that the issue may come to life again in 1985."

And what will Rayn Keats have on his retirement agenda? "With joy, I will go to New Orleans in August to see our daughter Bronya, her husband and their young son. Our other daughter, Kristin lives, with her husband and two children, in Jarvis Bay. I will spend time pursuing my mathematical interests and continue to support the Labor Party when appropriate."

During retirement, he intends to maintain his association with the many friends who have supported him fully during his life at the University.

Dostoevsky

Brush up your Dostoevsky by attending a special day devoted to the nineteenth century Russian writer.

The work of the writer, in particular Crime and Punishment, will be analysed when the Board of Studies in Language and Literature puts on Dostoevsky Day in the Drama Studio on Wednesday, July 6, from 10.30 am until 5.30 pm.

The event follows the success of the Dante Day in 1980 and the Cervantes Day in 1981.

Dr. R. Dessalx of the Australian National University, a specialist on nineteenth century Russian literature, and Dr. S.P. Vladiv, of Monash University, author of a book on The Possessed, will be visiting the University to help celebrate the Day.

A dinner will be held in the evening. Those wishing to attend Dostoevsky Day can pay for admission at the English Department Office.

SUCCESS

Miss Dorothy Edelbrock, who is enrolled in Geography IV, has been chosen by the Mitsui Educational Foundation to participate in the Foundation's grant to Sophia University for the summer session of Asian Studies during July/August of this year. Dorothy will be joining students selected from the Universities of New England, Melbourne and Western Australia for this course.

At the University, Dorothy will be attending lectures, seminars and social events. She will also have the opportunity to visit other universities in Japan.

CONFERENCE

An opportunity exists for students to attend a National Youth Conference in Sydney from August 26 to September 2. The conference will focus on economic, social and religious issues affecting world justice, unity and peace. It will be accommodated at the Thornleigh Conference Centre and will follow the full Assembly of the World Council of Churches in Vancouver in July. Delegates from that Assembly will be present.

Organised under the auspices of the Australian Council of Churches, the Conference is being co-ordinated by a former Uniting Church Chaplain to the University of Newcastle, Rev. Paul Swadling. Cost for the full week is $70 (full-time students $55) and for the weekend August 26 to 28 $25 (full-time students $19).

A brochure giving full details and an application form is available from the Chaplain's Office (Room T45, near the Mathematics Building).
A man with strong links with the University and its predecessor, Newcastle University College, was honoured in the Queen's Birthday Honours List.

Professor Cyril Renwick, a former University College staff member, was made an Officer of the Order of Australia for his services to education and science in Australia.

The first Head of the Department of Commerce at the University College, he has been Director of the Hunter Valley Research Foundation since 1956.

Professor Renwick was formerly a Fellow of the University of Sydney and a member of the Council of Newcastle CAE.

A member of the Council of this University, he was congratulated on being made an AO at the meeting on June 17.

The first Neal J. Dickinson Memorial Award was presented to Miss Heather Dickson on June 8.

In making the presentation, the Vice-Chancellor, Professor Don George, congratulated Heather on her achievement in gaining the award, which formed part of the memorial to the late Dr. Neal Dickinson.

The award is based on results obtained in the Higher School Certificate examination, which Heather completed whilst a student at Whitebridge High School. She plans to include a major in Economics in her degree course at the University.

Professor M.O. Jager, Dean of the Faculty of Economics and Commerce, Professor C.A. Tisdell, Head of the Department of Economics, and Professor K.E. Lindgren, Head of the Department of Legal Studies, attended the presentation and wished Heather every success with her future studies.

The George Julius Medal for 1982 was awarded to Professor A.W. Roberts (and co-authors) during the 1983 Meeting of the College of Mechanical Engineers of the Institution of Engineers, Australia, in Brisbane on June 9.

The Award, which is in honour of Sir George Julius, is made annually for the paper judged by the Board of the College of Mechanical Engineers to be the most outstanding in the discipline of Mechanical Engineering during the previous 12 months.

The paper for which the Award was made is entitled, The Design of Gravity Storage Systems for Bulk Solids. The authors are A.W. Roberts, P.C. Arnold, A.G. McLean and O.J. Scott. The paper appeared in the Mechanical Engineering Transactions of the Institution of Engineers, Australia, Vol. ME7, No.2 in October, 1982.

Mrs. Jurate Ivinskis wishes to thank all those members of the University who sent expressions of sympathy following the death of her husband, Dr. A. Ivinskis, Senior Lecturer in Psychology, on April 26. Mrs. Ivinskis says she and her two daughters deeply appreciate the support.

Mrs. Ivinskis

Professor Cyril Renwick

Professor Jager, Heather Dickson, and the Vice-Chancellor.

Professor A.W. Roberts

Professor Jager, Heather Dickson, and the Vice-Chancellor.

Professor George J. Jut

Professor M.O. Jager

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SENATE

Senate has decided to permit the attendance of observers at its meetings.

The Faculty Board, Faculty of Economics and Commerce, recommended that a cut-off point of 275 in the Higher School Certificate aggregate be the minimum acceptable for entry into the Faculty.

Senate was told that Standing Committee believed the question of admission on the basis of the Higher School Certificate needed to be looked at on a University-wide basis.

Senate referred the recommendation of the Faculty Board, Faculty of Economics and Commerce to a committee consisting of the Senate for consideration and report to the next regular meeting of the Senate.

Following consideration of a letter from the Acting Principal of Newcastle CAE in connection with proposed procedures for the administration of advanced education higher degree courses, Senate resolved as follows:

"That the proposed procedures he referred to the Faculty Board, Faculty of Education for consideration and report to the next regular meeting of the Senate."

Les Andrews cutting the cake at his farewell function.

farewell

Mr. S. (Les) Andrews, well known in the Department of Civil Engineering and Surveying, joined the University in 1974, retiring as Technical Officer in the Department's Concrete and Materials Laboratory on May 17, his 65th birthday.

Les was farewelled by members of the Department at an informal lunch/birthday party in the Laboratory. The Head of the Department, Dr. Frank Clarke, praised Les' contribution to the Department over the past nine years of service, and wished him well in his retirement. He then presented Les, a keen fishermen, with several gifts from his colleagues. Among them were two items for the newly constructed "den" at his home. One was a fish constructed entirely of concrete and tastefully mounted on a polished wall plaque with a mount of Civil Engineering and suitable inscription. The other Surveying join in wishing Les a was a unique "Lindsay Betts" very long, healthy and happy print (drawing by Norman Lindsay, retirement, with lots of good colouring by Neville Betts). Fishing.
what is the Glee Club?

The answer seems to be -- five students who present skits, songs and satire, which are entirely original and regarded by audiences as outrageously funny.

The Club plays to live audiences, which join in with the help of cue cards, and the programmes are recorded and broadcast over the radio.

All the glory that was home entertainment before the advent of television is recaptured.

The Radio Glee Club, with all its zaniness, is to recommence on July 13. You are invited to turn up in the Southern Cross Lounge at 7 pm. Tickets cost $4.50 or $2 (students concession) each -- at the Westpac Bank on campus or at the Civic Theatre.

If that's not enough for Glee Club fans, or if you can't attend the first show, the comedy show will be broadcast on 2NUR-FM.

The Radio Glee Club will continue in the Southern Cross Lounge this year on a monthy basis.

Faculty Visitor

Professor M.M. Sharma, of Bombay University, recently renewed an old friendship with Professor Graeme Jameson, which began when they were research students together at Cambridge. He visited Professor Jameson's Department on May 26 and 27.

After gaining his Ph.D. in 1964, Professor Sharma returned to Bombay to the Chair of Chemical Engineering which he has occupied ever since. He is a Fellow of the National Academy of Science (India) and a member of the Advisory Committee on Science and Technology to the Indian Cabinet.

Professor Sharma has published widely in the field of gas-liquid chemical reactions, and during his visit he gave two seminars on some of his recent work, to members of the Department and researchers from local industries.
First Aid in Basic Mathematics

First Aid in Basic Mathematics is a handbook for parents and teachers of children having difficulty with school mathematics.

Professor Theo MacDonald, Assoc. Professor in Education has written the book for both the teacher providing remedial instruction and for the parent who wants to provide individual help to the child at home. It explains, in layman's terms, how "number" and related issues are understood by children. It shows how to sequence instruction so that elementary processes are really understood and not just memorised. It covers the major topics in school mathematics from the simplest ideas of counting up through fractions, decimals and percentages.

Some years ago Professor MacDonald was asked to give a series of lectures to parents of primary school children on how they might help their children with school mathematics. Out of those lectures, First Aid in Basic Mathematics gradually emerged.

Parents may use the book either as a manual to teach their children independently or as a basis for reinforcing what is being taught in school. It sells for $8.95 (paperback) and $16.95 (hardcover) and has been published by Hale and Iremonger.

STAFF ASSOCIATION

During the second half of this year the Staff Association will hold a number of seminars at which matters of importance to the future of the University will be widely discussed.

The first of these will concern the study that is being made by a Working Party of Senate into the feasibility of the introduction at the University of year-round teaching incorporating co-operative education.

All members of the Staff Association have received papers dealing with this matter and the Association hopes that as many members as possible will attend and contribute to the seminar, which will be held in the Medical Sciences Lecture Theatre on Tuesday, July 5, from 12.30 until 2.30 pm.

On July 1, the History Club will make a trip to Sydney by train. The outing will take the form of a Macquarie Street "Walk" featuring these historical spots.

Hyde Park Barracks,
The Mint Museum
State Parliamentary House
State Library of N.S.W.,
The Mitchell Library,
St. James Church,
the Old Supreme Court.

Expert guides will take you behind the scenes. (Cost of rail fares could be as low as $5 return depending upon numbers -- must have 30).

If you are interested in the Sydney Trip, please leave your name with Jan Ebbeck (Room LG 27A), or Robyn Gay (Room LG 22B), or Margaret Henry.

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SITUATION WANTED -- HANDMAN

Retrenched engineer with Class 3 licence would like to do house and extension plans, woodturning or household repairs. Interested persons are requested to telephone 281984.

FOR SALE

LEFT HANDED GUITAR (Ibanez acoustic). Features: Crimson sunburst design, floral series, model F300 CS-L. This guitar is in excellent condition, $180 or near offer. Interested persons are requested to telephone 43 8747.

GRAY NICHOLLS (GN500) CRICKET BAT, signed by Greg Chappell. Cost $120 new. This cricket bat is unused and unwanted and will give away for $60 (I will even include the leather case). Interested persons are requested to telephone 45 5506 or Extension 404.

PORTABLEColour TELEVISION -- General Electric with 30 cm screen in excellent condition (only one year old). Asking price, $280. Interested persons are requested to contact Isabel Sherwood, Room 216 in Engineering Building "A" or telephone Extension 528.

1975 MAZDA 1300 -- this is a well-cared for car and is mechanically sound (a really good buy). $2,300 or near offer, registration expires February, 1984. Interested persons are requested to telephone 45 2028.

HOUSE -- RANKIN PARK

Elevated, tri-level, brick veneer and tile. Three bedrooms ensuite, kitchen, family room, separate dining, lounge, study and garden room. Features include: Double carport, raked ceilings, exposed beams etc. This home is in excellent condition and is very modern as well as being handy to the University. $39,950 or near offer. Interested persons are requested to telephone Extension 599 or 52 8627.

Advertised

warming up

Exercising their "hips" before playing in the annual Secondary Schools Music Festival in the Great Hall early in June are students from Broadmeadow High School. Photo: Peter Muller.

"A" FRAME HOME -- HAWKS NEST

This three bedroom home is situated and only three minutes walk to beaches and river. Other features include: large garage and natural setting. Asking price, $80,000 or near offer. Interested persons are requested to telephone (02) 40 72326.

RETIREMENT

Mr. Arnis Lee, Assistant Staff Architect, who will retire on June 29, held a postal ballot to consider the affiliation of the Association with the Newcastle Trades Hall Council. The proposal was rejected by 112 votes to 67, the Returning Officer, Mr. J.A. Lambert, announced.

ballot result

The Staff Association recently held a postal ballot to consider the affiliation of the Association with the Newcastle Trades Hall Council. The proposal was rejected by 112 votes to 67, the Returning Officer, Mr. J.A. Lambert, announced.

house for rent -- New Lambton

Six months from the middle of August, 1983. Close to transport to University, shops, swimming pool, etc. Features include: double brick (cool in summer) with three bedrooms, living room, dining room, sunroom, kitchen, etc. Moderate sized yard with lock-up garage. Rent negotiable. Interested persons are requested to telephone 57 1110 (after hours) or telephone Extensions 384 or 793.