Building work is progressing on the new Mathematics/Classrooms building, situated next to the Social Sciences building. Construction was begun last March and is expected to be completed in time for the building to be occupied in third term next year.

A tender for $770,640.90 was accepted for the building, which, after the provision of furniture and furnishings and the payment of contractors, consultants and all other charges associated with the project, will cost an estimated $1,060,000.

This was the figure made available for the three-storey building by an A.U.C. allocation for this triennium.

Planning of the building by Laurie and Heath Pty. Ltd. was directed towards providing shared classroom accommodation of a minimum of 1,200 seats in lecture theatres and lecture, tutorial and seminar rooms within a building which will also house the Faculty of Mathematics.

The main architectural elements in the design are the forms of the lecture theatres, the recessed top floor and the associated projecting roof at the first floor level. The lecture theatres represent a contrast with other theatres on the university site and introduce a variety of interest in the building itself.

Large open circulation areas have been planned adjoining the lecture theatres at ground floor level. These open areas give onto the main pedestrian mall (leading from No. 2 car park past the Social Sciences building to the Union and the Staff House) and onto the courtyard which will be formed by the Social Sciences building, the Mathematics/Classroom block and the future Education/Sociology/Psychology building.

The walls use Wallsend bricks to match the adjoining Arts/Administration building. They are load-bearing and carry reinforced concrete floor slabs. Tiles are used on the exposed sections of roof at first-floor level.

The building will provide:

- six lecture theatres, each seating 123 people;
- six classrooms, each seating 48;
- eight general seminar rooms, seating 20 each;
- four Maths. seminar rooms, seating 20 each;
- 48 staff offices;
- three general offices and a staff seminar room.

A remote entry unit and calculator room are provided in addition for the Faculty of Mathematics.

The contractors for the building work are Arthur Davis Constructions Pty. Ltd., for mechanical services, Hill and Mills Pty. Ltd. and for electrical services, Edmunds Moir and Co. Pty. Ltd.

The date of practical completion for the project nominated in the contract is 10th July, 1974, but extensions in time due to bad weather and other causes can be expected.
DEATH OF PROFESSOR LIEBERSTEIN

Professor H. Melvin Lieberstein, Professor of Mathematics and formerly Dean of the Faculty of Mathematics, died in Royal Newcastle Hospital on 18th August aged 47. The news was received with great regret by the University, which was strongly represented at Professor Lieberstein's funeral service on 23rd August.

Professor Lieberstein, an American, occupied the second Chair in Mathematics since December, 1971.

He graduated from the University of Arkansas in 1947 with Bachelor of Arts and Bachelor of Science (Mathematics) degrees and subsequently obtained a Master of Arts (Mathematics) degree in the University of Kansas. In 1956 he completed a Doctorate in Applied Mathematics in the Institute of Fluid Dynamics and Applied Mathematics, University of Maryland. From 1964 to 1967 he held an appointment as Associate Professor of Mathematics at Indiana University and he was Research Professor of Mathematics at Wichita State University prior to coming to Australia.

Professor Lieberstein was the author of many papers dealing with the mathematical biosciences, Mathematical physiology, the aeronautical sciences, the aero-space sciences, computing, numerical analysis and economics and the environment. He was also the author of three books A Course in Numerical Analysis, Mathematical Physiology and Theory of Partial Differential Equations.

He left Australia on 2nd August and began a visit to Papua-New Guinea as a guest of the University of Papua-New Guinea. However, he became ill and returned to Australia before the visit was scheduled to end.

The Acting Vice-Chancellor said:

"In the short time that he was with us, Melvin Lieberstein made a profound impression on the University. His academic interests spread far beyond his own Department, not only into biological sciences and medicine, but into anthropology, archaeology, aboriginal affairs, conservation and town planning.

"It was due to Mel. Lieberstein's initiative that the University has proposed, for the next Triennium, the Institute of Mathematics in the Life Sciences and Medicine, in which he had interested the local medical community.

"No one who met him could fail to have been impressed by his energy and ebullient cheerfulness. He made the transition from the American to the Australian academic scene with the greatest of ease, since friendship smoothed his path.

"It was typical of the man that he was visiting the highlands of Papua-New Guinea to study native cultures when he was taken ill," Professor Newton-John said. "We have lost a most congenial colleague, teacher and innovator".

Professor R.G. Keats, Dean of the Faculty of Mathematics, said:

"The death of Professor Lieberstein will be a great loss to the Faculty of Mathematics. As an applied mathematician, Professor Lieberstein was devoted to his research and teaching in the application of mathematics to other disciplines; his most recent book, entitled Mathematical Physiology, has just been published. Because his interests coincided so closely with the aims and aspirations of the Faculty, his appointment in 1971 was particularly appropriate.

"During the past two years Professor Lieberstein consolidated his reputation as a most versatile and successful applied mathematician. His work is well known throughout Australia and, indeed, throughout the world, especially to those who work in fields to which mathematics can be profitably applied."
The problem of the environment is one of many such fields in which he has been actively involved," Professor Keats said.

"Professor Lieberstein will be greatly missed by his colleagues at the University and by mathematicians in Australia and overseas. His death will also be a grievous loss to that large number of people with whom he was closely associated in his many other activities including, for example, the advancement of aboriginal peoples".

MISS CHAMBERS IS N.U.S.A. SECRETARY

Miss Jann Chambers, who is enrolled in the Faculty of Arts, has been elected unopposed as Secretary of the Newcastle University Students' Association. The position had been vacant since the resignation of Miss Pam Freeland.

HISTORY FILMS

The History Club will continue its programme entitled History on Film on 5th September, when films on aspects of Australian and American History will be shown in the Drama Theatre. The films, Charles Sturt, Australia at War 1914-1918 and Journals of Lewis and Clark will be screened from 1 p.m.

On 12th September, United Nations - The Charter, and The General Assembly, John Cabot, a Man of the Renaissance and Background to the Civil War will be screened.

WEEKEND FOR FILM STUDY

The English Society will conduct film screenings, lectures and discussions on the weekend of 15th and 16th September. The programme:

SESSION ONE : Saturday, 1 p.m., Henry V; lecture, "Shakespeare on Film", Assoc. Professor Dennis Biggins, Department of English.

SESSION TWO : Saturday, 7.30 p.m., Pierrot le Fou; lecture "Godard's Pierrot le Fou", Dr. Colin Crisp, Department of French, A.N.U.

SESSION THREE : Sunday, 1 p.m., Brewster McCloud; lecture, "The Films of Robert Altman", Dr. David Boyd, Department of English.

SESSION FOUR : Sunday, 7.30 p.m., Metropolis; lecture, "Fritz Lang's Metropolis", Dr. Hilary Appleby, Department of German.

Tickets for the weekend (all four sessions) cost $2 and are available from the Department of English.

Hot meals may be purchased in the Staff House on both days.

ACADEMIC APPOINTMENT

Mr. Thomas Presbury has taken up his appointment as Lecturer in Legal Studies. He holds the degree of Bachelor of Laws in the University of Sydney.

MEETING TO CONSIDER LIQUOR LICENCE

At its last meeting, the Union Board of Management decided to call a general meeting of members in the Courtyard on 11th September at 1 p.m. to present its views on the Union's application for a liquor licence.

Previously, the Board decided in favour of the University Council being requested to apply to the Licensing Court for a licence on the Board's behalf.
The reason for this decision, which has not yet been carried out, and information about the requirements of the amended 1912 Liquor Act, will be presented to the general meeting.

The Union Board of Management also decided to conduct a survey during the first week of Third Term to get information about the drinking habits of some students and their attitudes towards the serving of liquor in the Union.

**VISITING AMERICAN LECTURER**

Dr. John Burnham, of Ohio State University, will be visiting the University on Tuesday, 11th September. This is his second visit to Australia. He will take the History IIB lecture at 11 a.m. and an Honours Seminar at 2 p.m. The latter is informal and all those interested are invited. Dr. Burnham is a cultural historian especially interested in the development and underlying values of psychology and psycho-analysis in the United States.

**LEGAL STUDIES ADDED TO SOCIAL SCIENCES LIST**

The Department of Education has agreed to Legal Studies being added to the list of subjects appropriate for study by prospective Social Sciences teachers at secondary schools. In a letter to Professor K.E. Lindgren, Professor of Legal Studies, the Director of Secondary Education said Legal Studies I, II and III were considered acceptable Social Sciences courses where academic qualifications were concerned.

The Director said it was essential, however, that students who intended to become teachers of Social Sciences subjects in departmental schools be informed of the range of subjects taught within these departments and of the desirability of keeping this in mind when choosing which courses they would study. In the senior school, Geography and Economics were the only subjects, under the control of Social Sciences Department, that students took for the Higher School Certificate. This should be taken into account when students were being counselled.

**UNIVERSITY STUDENT LEGAL REFERRAL SERVICE**

Students sometimes have problems of a legal nature. As from the beginning of Third Term, members of the Department of Legal Studies have introduced, for a trial period, a Student Legal Referral Service. At least one member of the Department will be available on the days at the times indicated on the Legal Studies Notice Board, to give students, without liability, free legal advice and to explain how and where they may obtain appropriate legal aid and representation.

**VICE-CHANCELLOR'S LECTURE**

A Mathematics seminar will be held in lecture theatre GG 05, Chemistry Department, on Monday, 3rd September, at noon. Professor J.N. Kapur, M.A., Ph.D., a distinguished Applied Mathematician, Vice-Chancellor of Meerut University, India, who is visiting the University of Newcastle, will speak on "Mathematical Models".

**ELECTION OF STUDENT REPRESENTATIVES**

At the closing time for the receipt of further nominations for the election of student representatives on the Department of Economics, Departmental Committee, the following valid nominations had been received: Paul Anthony Board, Christopher John Arthur Cornelius, Robert Ian McEwin and Richard Charles Nolan.
As the valid nominations did not exceed the number of vacancies, I hereby declare the above persons elected to the Department of Economics, Departmental Committee.

P.D. ALEXANDER,
Returning Officer.

CONTRIBUTORS WANTED

Contributions are urgently required for Nimrod, the S.R.C.'s "literary" magazine. Poetry, prose, drama, film and theatre reviews, etc., are all welcome. Sketches, cartoons and photography are especially invited.

Students - this is your magazine - it needs you to make it work. All copy please to the Editor, Paul Rea, C/- the S.R.C. Office.

PRODUCTION OF ANTIGONE

A.D.E.F.U.S. (Association des Etudiants de francais de l'Universite de Sydney), or, more simply, the Sydney University French Society, has, for the past five or six years, produced the H.S.C. French play-texts. These have been primarily for the benefit of H.S.C. French students, but University students and members of the general public have also been interested.

The society's production this year of Jean Anouilh's Antigone was an outstanding success, far and away the best production ever done, some people said, thanks to the efforts of the cast and the Producer (Mr. Daryl Douglas).

The lead role of Antigone is played by Miss Debbie Burge. The co-lead of Creon is played by Stephen Jones, who has played lead roles in the past three society productions. The role of the Chorus is played by Adrian Culey, who is also the Society's President.

The society will be performing - in French - in the Arts/Drama Theatre, on Friday, 14th September, at 4.15 p.m. The play takes about two hours and will finish round about 6.15 p.m. Prices are 85¢ for students and $1.20 for non-students. All those interested are invited to attend.

ADVISEMENTS

FOR SALE: Skiing outfit; Fischer skis (5190 Salmon bindings), one pair stocks, one pair boots (6½ Kofflec and stands), one SSW blue parka, goggles, ski pants, car roof rack to suit. If interested contact: Mr. Pollack, 62 Wood Street, Redhead, 'phone 49 7685.

WANTED: Large trunk in reasonable condition. E. Andrews, Ext. 363 (or 48 9673).

FLATS FOR RENT: One/three-bedroom, fully furnished, $39 a week; one one-bedroom, $29 a week; 36 Nesca Parade, Newcastle. The owner, Mrs. Flett, can be contacted at Royal Newcastle Hospital, Ext. 358.

FOR SALE: Three-bedroom, weatherboard and tile house in Adamstown Heights, $22,300. Good yard and views, oil heater, built-ins, etc. Ring 57 4141 or Ext. 502.

FOR SALE: Children's lowboy, $5; beach umbrella, $5; 2' 6" wire bed and mattress, $15; Hecla, 2,400-watt electric heater, $20; English Singer sewing machine, $35. Ring 57 4141 or Ext. 502.

HOUSE FOR SALE: Just 10 minutes' from the university, brick veneer home, two-bedrooms, one student's room, big living room, large garage underneath, workshop, internal staircase, elevated position with magnificent views. Mrs. E. Schubert, 38 Seventh Street, New Lambton.
FOR RENT: Unfurnished house, immaculate condition, carpeted throughout, spacious living area, two bedrooms, telephone and garage; New Lambton, close to shopping centre; $30 per week; interested persons can telephone 57 1885.

SCHOLARSHIPS, FELLOWSHIPS AND AWARDS

Commonwealth Postgraduate Course Awards

Applications are invited for the awards which the Australian Government will be offering in 1974 to students for full-time postgraduate study in approved courses leading to the degree of Master at Australian universities.

These Awards are not tenable for postgraduate research.

ELIGIBILITY: The awards are open to persons who -

* have not previously held a Commonwealth Postgraduate Award;
* will be under 45 years of age on 1 January 1974;
* are qualified for entry to an approved Master degree course;
* satisfy certain residence requirements.

BENEFITS:

* tax-free living allowance of $3,050 per academic year;
* dependant's allowance of $650 per academic year for a dependent wife and first child, plus a further $234 per academic year for each other child;
* an Incidental Allowance of $100 p.a. to assist with fees such as Students' Association, Union and Sports fees;
* special allowances to assist with travel, setting up residence and the preparation of a thesis:

  Establishment Allowance: $75 for single students; $150 for married students.
  Thesis Allowance: $150

NOTE: The above increased benefits were approved in August 1973 and are more than those listed in the booklet describing the Course Awards Scheme.

The following courses leading to the degree of Master at the University of Newcastle are approved courses under the Commonwealth Course Awards Scheme:-

Master of Commerce in Economics
Master of Education
Master of Engineering Science


Application forms and information booklets may be obtained from the Assistant Secretary, Student Administration Office.
Radio Research Board Research Grants

The Radio Research Board has invited applications for grants for research in the year 1974-75. The closing date for the receipt of applications is 30th November, 1973. Application forms and "Notes for Guidance in the Preparation of Grant Applications and Reports" may be obtained from Mrs. G. Durham, Ext. 240.

The Research Board has indicated that research areas of particular interest to the Australian Post Office are:-

(a) General System and Information Theory, Mathematics and Statistics
(b) Signal Processing, Coding, Modulation and Noise
(c) Acoustic Signal Generation and Reception
(d) Visual Signal Generation and Reception
(e) Guided Transmission Media
(f) Antennas and Wave Propagation
(g) Circuits (Linear, Non-Linear, Digital)
(h) Semiconductor Devices
(i) Thermionic Devices
(j) Materials
(k) Environmental Studies
(l) Electrical Measurements
(m) Switching Systems
(n) Transmission Systems
(o) Power Supplies
(p) Digital Computers and Computing
(q) Psychological and Sociological Aspects

Further information is given in the notes available.

The Assistant Secretary to the University has more information about the following scholarships and fellowships:

<table>
<thead>
<tr>
<th>Scholarship</th>
<th>Closing Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scholarship for postgraduate study by a man at St. Catherine's College, Oxford, (£800 a year, plus university fees) in 1974-75</td>
<td>31st March, 1974</td>
</tr>
<tr>
<td>Government of Poland-Copernicus fellowships for postgraduate study at Polish universities in astronomy, physics, mathematics, human sciences, philosophy, sociology and the history of science in 1974</td>
<td>14th September</td>
</tr>
<tr>
<td>Fellowships for postdoctoral research at the Roche Institute of Molecular Biology, New Jersey, U.S.A. (value $11,500 a year plus a travel allowance)</td>
<td>15th October</td>
</tr>
<tr>
<td>Frank Knox memorial fellowships ($2,400 per year plus tuition fees) for Australian students wishing to spend the 1974-75 academic year at Harvard University</td>
<td>31st October</td>
</tr>
<tr>
<td>Shell Postgraduate Scholarship in Science or Engineering for two-years' work at a university in the U.K. from October, 1974</td>
<td>2nd October</td>
</tr>
<tr>
<td>Shell Postgraduate Arts Scholarships for two years' study at a university in the U.K. from October, 1974</td>
<td>2nd October</td>
</tr>
</tbody>
</table>
SUMMER VACATION ADDRESSES

ALL STUDENTS

Apart from correspondence on general matters during the academic year, certain periods are particularly important and it is essential that the University have reliable addresses at which to correspond with students without delay. The important dates which highlight the need for up-to-date information on addresses are set out below together with the reasons for their importance.

(a) 24th November - 30th November

Students to be available during this period to undergo further tests should they be required by the Examiner.

(b) 5th December - 14th December

Examination results and re-enrolment forms to be posted to students. During December, 1973 and January, 1974 letters and information concerning re-enrolment must reach students quickly so that replies can be received by the University as soon as possible.

(c) 31st January - 4th February

Information concerning graduation will be sent to students eligible to graduate and it is very important that early replies are received in this regard. Persons who believe they are eligible to graduate and who have not received a letter by the 4th February should contact the Examinations Officer.

(d) Higher Degree Students (Research and Thesis)

It is anticipated that correspondence on progress of candidates, together with enrolment forms, will be sent in the latter half of November, 1973.

To ensure that all address information is correct a form entitled "Summer Vacation Addresses" will be posted to the TERM ADDRESS of all students by the 4th October, 1973. The form will indicate that all correspondence will be sent during the summer vacation to the student's PERMANENT HOME ADDRESS unless the student advises in the space provided of addresses other than permanent home address to which correspondence can be forwarded during this period.

A number of students have still not advised the University of their TERM ADDRESS and no doubt other students have recently moved. Would these students please advise Student Administration of a Term Address to which the "Summer Vacation Addresses" form can be sent.

If the form does not reach you before Friday the 26th October, 1973 please advise Student Administration so that the matter can be corrected.

All information supplied by students to the University is confidential and will not be divulged without the written authority of the student concerned.

P.D. Alexander,
SECRETARY