OPENING OF SPORTS CENTRE

Stage I of the Auchmuty Sports Centre adjacent to No. 2 Oval will be officially opened at a ceremony in the Centre on Sunday, 8th December, at 3 p.m.

The Vice-Chancellor, after whom the Centre has been named, will perform the opening ceremony.

Stage I of the project provides a main hall 120' long by 60' wide for basketball, badminton and gymnastics, together with an entrance foyer, reception office and equipment store all on ground level. Change rooms and toilets, a weight training room approximately 40' square and a store for sports field equipment are also provided.

The contract amount was $242,669 and this, together with the cost of furniture and sporting equipment, has been financed by the Sports Union. The University is providing all necessary services, including access road and the parking area and generally assisting the Sports Union in administering the project.

Approximately 200 guests are expected at the opening and the N.S.W. Amateur Gymnastics Association will send 10 gymnasts to present a display.

The Vice-Chancellor will unveil a plaque and guests will be invited to inspect the building.

BIRTHDAY FOR DR. R. BASDEN

Dr. Ralph Basden, B.Sc. (London), M.Ed. (Melb.), A.S.T.C., F.R.A.C.I., F.I.M.Aust., Warden of the former Newcastle University College from 1951 to 1959, recently turned 80. In celebration of the event, he was given a luncheon in the Staff House by members of staff of the Department of Chemistry, to which he is attached as an Honorary Research Fellow.

Dr. Basden's portrait, executed by Joshua Smith, who also had his portrait painted (by Dobell), hangs in the Administration. It was painted at the time of his retirement and was commissioned from Smith by members of the University College's staff.

Dr. Basden has also been actively interested in Geology, coauthoring a publication with Professor B. Nashar, and Australian Flora, especially the oils and sugars of plants.
Before World War I Dr. Basden attended classes in Chemistry and Mineralogy at Sydney Technical College and received his A.S.T.C. In the thirties, he was admitted to a B.Sc. degree, with first class honours, by the University of London and in the forties to B.Ed. and M.Ed. degrees by the University of Melbourne, all resulting from study by correspondence.

The former Warden has been coming to the campus nearly every day since his retirement to carry out research into the chemistry of the excretions of insects living on eucalyptus trees, a field of interest about which he has published five papers. He spends several days of every month in the field collecting samples for analysis.

For 52 years he has held an appointment as a Public Analyst - longer than anybody else.

Dr. Basden was born in Croydon, Sydney, and left Petersham Superior Public School at the age of 14. He served in Egypt, France and Belgium during World War I with 15th Field Ambulance. In 1923 he became a Teacher of Chemistry at Hunter Street Technical College, Newcastle. He was Principal of Broken Hill and Wollongong Technical Colleges before being appointed Principal of Newcastle Technical College in 1939.

Work on the construction of the Tighe's Hill Technical College had commenced about five years beforehand. When Ralph Basden arrived the Sir Edgeworth David Building had been in use for a year and the H. G. Darling Building had just been completed. During the Technical College's formative years, he was responsible for establishing a good deal of the College's educational facilities.

The Principal of the Technical College was made also the first Warden of the University College when it was established within the college.

At the official opening of the Chemistry Building in September 1969 he was admitted to the Honorary Degree of Doctor of Science.

He served on the University Council for a time as a representative of Convocation. His principal hobby is still Bushwalking, an activity which has enabled him to learn all about Barrington Tops and which still entices him at weekends. "These days I keep to the track and don't climb difficult hills," he said. He is a widower and has two sons - Ken, a Senior Lecturer in Fuel Technology at the University of N.S.W., and Lexton, a Metallurgist in Port Kembla.

LECTURES ON A MAJOR HEALTH PROBLEM

"Alcoholism and Addiction" is the name of a series of four lectures being presented by the Department of Community Programmes in association with the Health Commission of N.S.W.

Dr. J. R. Moon, President of the Australian Foundation on Alcoholism and Drug Dependence, was the first speaker on 13th November.

Dr. J. Parfoot, Medical Superintendent at Wallsend Hospital, will speak on psychological effects of alcoholism on 20th November, Dr. M. Chegwidden, of Gladesville Hospital, will talk on "The Disease of Alcoholism" on 27th November and Mr. S. Fry, a social worker with Newcastle Community Addiction Service, will consider "Family Problems associated with Alcoholism" on 4th December.

The lectures are conducted in Room V10, Mathematics Building, beginning at 8 p.m.
The Vice Principal, Professor A. D. Tweedie, has announced that an honorary degree will be conferred on the Vice-Chancellor at a special Graduation Ceremony in the Great Hall of the University on Thursday, 12th December, at 3 o'clock.

Professor Tweedie said it was the University's wish that the congregation at the ceremony be as broad and representative as possible, with members of staff, students, members of Convocation and citizens attending to honour the University's Foundation Vice-Chancellor, who will retire on the 31st December.

The University's normal operations will be suspended to permit members of staff to be present.

Professor Auchmuty has been associated with the University and its predecessor, Newcastle University College, for more than 22 years. He was Deputy Warden (1955-59) and Warden (1960-64) of the old Newcastle University College and has been Vice-Chancellor of the University since 1st January, 1965.

A gathering will also be held in the Great Hall on the 19th December at which the Vice-Chancellor will say farewell to his staff colleagues.

NEWS FROM THE STUDENT'S ASSOCIATION

Work is proceeding on alterations to the former Co-operative Bookshop premises in the Union in readiness for the establishment of a pharmacy to open on the first day of First Term next year.

A spokesman for the SRC said it was proposed to give a 15% discount on the cost of all items purchased, including prescriptions. All members of the university would be able to use the shop. For members of staff a levy of $1 would be required.

At the last meeting of the SRC a motion was passed expressing the Council's opposition to "the concentration of power in the hands of the Vice Principal in respect of the imposition of fines under the draft traffic regulations."

"Accordingly, the Council opposes the imposition by the Vice Principal on his own authority of any fine on a student in excess of $10.

"This Council recommends that any fine on a student over $10 be only imposed on the direction of a committee containing at least one representative from each of the Council and the Union Board and that notwithstanding all the above, a maximum fine at all times should be $25."

Orientation Week, 1975, will be held during the first week of First Term.

The Treasurer of the SRC (Mr. P. Ormond) has been elected Orientation Week Director and Mr. Adrian Woo has accepted appointment as Editor of both the Orientation Handbook and the Alternative Handbook.

Mr. Ormond said that the deadline for contributions to both handbooks was the end of December. He will be grateful for any ideas students might have about activities for Orientation week 1975.
Concern with early planning for the Community Child Care Centre has been expressed by the SRC, which, at its last meeting passed a motion stating that "the requirements of the Government and the convenience of the Management Committee appeared to be taking greater priority than the needs of the parents and the children who are to use the Centre."

Further, the Council noted "with concern" that the Management Committee was "overwhelmingly representative of staff and administration personnel and that the original object of the Centre, i.e. to serve the interests of the students, was likely to be lost because of the merely token representation of the student body."

The S.R.C. was instrumental in negotiations being launched recently with the University for permission to be given for some of the examination noticeboards on the campus to be used by the Students' Council next year.

The Students' Food Cooperative, which has been purchasing food from ware-houses at cheap rates and distributing it to members, has gone into recess until First Term next year, because officers of the cooperative are busy studying for the exams. Membership had reached approximately 300.

CHRISTMAS CARDS ON SALE

Members of staff and students can purchase University of Newcastle Christmas cards from the Cashier for 10 cents each.

NEW CREDIT UNION DIRECTORS

The third annual meeting of the University's Staff Credit Union elected Dr. K. Smith, Messrs. W. Bates and K. Thomson as Directors. They are new directors and join Mrs. M. Davie and Messrs. M. Edmonds, D. Doherty, J. Lambert, D. Robertson and N. Keats on the Credit Union's Board. Mrs. J. P. Odgers, a foundation Director, and Messrs. T. Fryer and B. Twohill retired and declined re-election.

The Directors will elect a Chairman at its meeting on 25th November.

Vacant positions on the Supervisory Committee were filled when Mr. G. Hanson and Mr. S. Sutcliffe accepted nominations.

Mr. R. M. Richardson is Secretary and Mr. G. Searles is Treasurer. It was resolved to make an approach to the appropriate State Government Department to have the rules varied so that members of staff at Newcastle College of Advanced Education can join the Credit Union.

REPORT FROM THE UNION

During the long vacation (from 2nd December) the Union will be open from Mondays to Fridays between 9 a.m. and 6.30 p.m.

The shop will be open from 9 a.m. to 5.30 p.m. and the Southern Cross Lounge from 10 a.m. to 6 p.m.

The Sea Horse Lounge will be open in accordance with the restrictions imposed by the Licensing Court, which has given authority for liquor to be served in the lounge after suitable bar equipment is installed.

The Union will be closed at week-ends during the vacation except for organised functions.

S.H.R.M. (Aust.) Pty. Ltd., the French company of Catering consultants, has completed its investigations into the Union's catering facilities. A 60-page report, making comments and recommendations and projecting suggestions to 1980, has been submitted to the Secretary-Manager (Mr. Bridgwater) and will be considered by the Board of Management on 21st November.

Included is a recommendation that the Union establish "a 10 per cent shop" to sell groceries and frozen goods for cheap prices. Mr. Bridgwater said that if the Union implemented the suggestion the shop would be open to students and members of staff of the University.
INFORMATION PAMPHLETS

A number of departments of the University have published pamphlets or booklets to inform prospective students about each department's facilities, courses and research interests.

Biological Sciences, Mathematics, Geology, Electrical Engineering, Linguistics, Economics and Commerce are some of the departments that have prepared the information. In most cases the printing was done in the Secretary's Division.

Copies of the material can be collected at the various offices.

CHRISTMAS PARTY

N.S.W. Central Group of the Library Association of Australia will hold a Christmas party in the Staff House Club on Friday, November 29th, beginning at 7.30 p.m.

JOURNALIST AS SPECIAL SPEAKER

Newcastle Chemical Engineering Group will hold a dinner at the Staff House Club on Monday, 18th November, beginning at 5.30 p.m.

Mrs. Anne Lampe, a journalist on the staff of "The Australian Financial Review", will be guest speaker. Mrs. Lampe is a graduate in Economics and Politics from Monash University. Prior to entering journalism, she obtained experience in Market Research and Accounting.

Her topic will be "THE ECONOMIC CRUNCH & THE EMPLOYED PROFESSIONAL." Guests will be very welcome.

TALK ON GARDEN CITY DEVELOPMENT

A combined meeting of the Management and Industrial Engineering Branch of Newcastle Division of The Institution of Engineers, Australia, and Hunter Valley Branch of The Australian Society for Operations Research will be held in the Staff House on WEDNESDAY, 20th NOVEMBER, at 7.30 p.m.

The speaker will be MR. J. GRIFFITHS, General Manager & Director, David Jones (Newcastle) Pty. Ltd., whose topic will be "Garden City Development-Why Did David Jones Expand at Kotara?" Mr. Griffiths will discuss the planning, statistical information obtained and the decision-making processes that were used.

This subject should be of particular interest to women and, as this is the final meeting of the year, their attendance is welcomed by the two bodies.

INTERVIEWS IN THE OUTDOORS

Mr. Roy Lalor related this week how in 1966 he interviewed prospective members of the Union's staff in the open air under the trees; there was no alternative because work on the Union building was incomplete.

"We commenced operations at Shortland in a shed and a chuck wagon, with mosquitoes and flies attacking constantly."

Relaxing in a chair in the Union, with a cigarette, Roy was recalling his career as the Union's Catering Manager, an appointment he held for 13½ years and he will relinquish on 29th November when he retires.

At Tighes' Hill, where he was Catering Manager for the old Newcastle University College, he was in charge of nine people. His department has expanded to 23 cooks, kitchen maids and waitresses.
"We arrived at Shortland when work on the Union was nine months behind schedule. We served hamburgers and hot dogs to students who mostly sat on the ground to eat them. It was a boon when the Union was brought into use in 1967."

He observed that there had been a change in the preferences of students as to food - from hot meals to take-away lines. One consequence was a marked reduction in the consumption of cooked vegetables. Most students at Newcastle disliked stews but enjoyed "dry" dishes (cutlets, chicken etc.).

A colleague and friend suggested that the Union could economise by making Mr. Lalor an offer for the chickens and hams he wins as prizes on the green at Newcastle South Bowling Club.

Mr. Lalor will begin his retirement with a holiday, perhaps in New Zealand, and spend a lot of time fishing and bowling. The Union Board has appointed Mr. F. Barker to succeed Mr. Lalor as Catering Manager.

**FINAL MEETING FOR YEAR**

Newcastle Group of the Australian Institute of International Affairs will hold its final meeting for the year at the Newcastle Rugby Club, on Thursday, November 28.

The annual general meeting at 7.45 will be followed at 8 p.m. by an address by Miss Betty Archdale on "How Free is the Freedom of the Seas?" Miss Archdale is well known as a sportswoman (Captain of the English Women's Cricket team in Australia, 1934) and an educator (Principal of Women's College, 1946-57, and Headmistress of Abbotsleigh Girls' School, 1958-70).

**NEW YEAR'S REVELS?**

The Committee of the Staff House Club is investigating a proposal that New Year's Revels be organised for members of the Club and their friends on the night of 31st December. Members are being asked whether they are able to attend a cabaret show presented by Colin Anderson and a late supper. The Committee's decision to proceed, or not, will be influenced by the number of prospective guests.

**ANNUAL GENERAL MEETING**

The University of Newcastle Subdivision of the Public Service Association will hold its annual general meeting in the main lecture theatre (B01) on Wednesday, 4th December, at 12.30 p.m.

Nominations have been called for election as members of the sub-division's Management Committee. Nominations close with Mr. F. Boden (Department of Metallurgy) on 29th November at 5 p.m.

**IMPACT OF FUEL COSTS**

"Energy Efficiency in an Age of Scarcity" is the title of a Symposium to be conducted by the Department of Chemical Engineering, in association with Newcastle Group, the Institute of Fuel, on Thursday, November 21st. The symposium will be held in the Engineering main lecture theatre from 2.30 to 9 p.m.

A post-graduate group from the Department, studying Energy Management, has made detailed studies of the impact of rising energy costs and expected Australian fuel oil shortages on major industries.

Papers will be presented on "Coal as raw material for ammonia manufacture, Integration of gas-oil and electric power production from coal," "Sources and markets for 'low grade' heat: the long term role of natural gas," and "Process selection for Iron and Steel making."

A registration fee of $9 will be charged to cover preprints of the papers and a light dinner at 6.30 p.m. will be provided.
TOASTMASTERS' DINNER

Toastmasters' International will hold a speaking contest in the Staff House on 7th December at 6.30 p.m. It will be a dinner meeting, with a four-course meal, including wine, provided. The cost is $7 a single. Speakers from Tamworth, Taree, Gosford and Newcastle will be competing in an area championship. There are two classes - serious and humorous.

Anyone interested in attending should contact Greg Martin on 304.

RESEARCH GRANTS

The University has received details of grants recommended by the Australian Research Grants Committee and approved by the Minister for Science (Mr. Morrison).

The University will receive a total of $169,551 for 26 research projects in 1975. This compares with the 1974 allocation of $103,671.

For 1975 $74,065 has been granted for new projects and $88,281 for continuing projects. Dr. B. J. Fraser of the Department of Physics, has been granted $7,205 for a special project relating to upper atmosphere research.

The new projects for which grants have been approved are:

- Mr. J. C. Dyer, "A Comprehensive Analysis of Mean-Variance and Stochastic Dominance Portfolio Selection Criteria", $3,000.
- Dr. J. L. Seggie, "An investigation of the development of formal operational through in concept learning", $6,700.
- Assoc. Professor W. D. Wallis, "Construction and Investigation of Block Designs", $6,600.
- Dr. K. H. Bell, "Stereosstructure-Activity Relationships in Strong Analgetics and Local Anaesthetics", $7,404.
- Professor W. F. Pickering, "The Effects of Electrolytes and Complexing Agents on Adsorption of Metal Ions by Clays and Soils", $6,850.
- Dr. B. A. Conway, "Genetic analysis of hybrid zones in Tisiphone Abeona", $1,500.
- Dr. P. J. Quinn, "Students of mammalian embryo development and differentiation", $1,975.
- Dr. T. K. Roberts, "An immunological approach to the study of semen, particularly sperm- seminal plasma interactions", $1,000.
- Dr. B. J. Cook, "Development of a Doubly Stator Fed, Variable Speed Synchronous Drive", $4,000.
- Dr. D. Jaffrey and Mr. N. A. Molloy, "Near Freezing Liquid Metal Flow Behaviour within a solid-liquid Region: (i) Development of Experimental Technique (ii) Development of a Simulation Model", $2,450.
- Dr. E. J. Lidgey, "Investigation of the Second Harmonic Frequency Locking Characteristics of High Powered Microwave LSA Oscillators", $4,690.
- Dr. P. J. Maylan, "Stability of Nonlinear Control Systems", $1,000.
- Dr. T. F. Wall, "Direct Reduction in Electrically Augmented Flames", $2,555.

Continuing projects which attracted grants are:

- Professor J. A. Keats, "Personal Value Systems in Australia and Malaysia", $4,404.
- Professor M. G. King, "Simple Approach-Avoidance Conflict: Psychological and Behavioural Correlates", $12,150.
- Dr. A. J. Guttman, "The interpretation and analysis of theoretical and experimental data", $5,400.
- Professor B. Boettcher, "Genetic markers in Australian Aborigines and Investigation of Tribal Structures", $7,837.
Dr. R. C. Jones and Dr. R. N. Murdoch, "Studies of Boar Spermatozoa: Significance of Acrosomal Vesiculation", $6,770.

Dr. J. W. Patrick, "Auxin-promoted transport of nutrients in stems", $6,265.

Professor J. B. Moore, Professor B. D. O. Anderson and Dr. A. Cantoni, "Optimal Control processes and communication systems", $32,251.


Professor I. Mac. Stewart, "Furnace Temperature measurement by spectroscopic methods", $9,500.

Dr. Fraser was granted $7,205 for a project entitled "Propagation studies of Hydromagnetic waves between spaced stations".

YEARS STAY IN POLAND

Mr. W. Motyka, Lecturer in Commerce, is presently in Poland working on an extended research project. He was awarded a Copernicus Fellowship by the Polish Government through UNESCO.

A specialist in National Income Economics, he is working in this field at the Main School of Planning and Statistics in Warsaw under the supervision of Professor Tadeuz Peche.

Mr. Motyka has been granted leave without pay by the University and expects to be away for a year.

ENGLISH SOCIETY DINNER

4th December, Staff House, 6.30-7.00 p.m., $5.50 Meal and Wine, tickets from English Department Secretary.

Guest Speaker, Dorothy Hewett, Poet, Playwright, Author of "The Chapel Perilous" now on at the Opera House.

Norman Talbot Poetry Prize, Forms: Commandments, or Hymns of Prayer or Praise to any but normal recipients.

SILENTS FOR SUMMER

The Department of Community Programmes and English will collaborate again to screen a season of classic silent films in the long vacation. The films will be screened in the Science lecture theatre (H01) on Friday evenings at 8 o'clock and admission will be free.

On 3rd January "The Big Parade" (1925), the first successful war film, directed by King Vidor, and "Balloonatics", (1923), a Buster Keaton short comedy will be shown.

Silents will be shown once a week until 21st February.

STAFF MEMBERS PROMOTED

The University Council has approved the promotion of the following members of the academic staff:-

Mr. R.M. Deamer, M.Arch., A.S.T.C., F.R.A.I.A., to Associate Professor in the Department of Architecture.

Dr. B.A. Engel, M.Sc. (New England), Ph.D., to Associate Professor in the Department of Geology.

Dr. J.R. Giles, B.A. (Sydney), Ph.D., Dip.Ed. (Sydney), to Associate Professor in the Department of Mathematics.

P.G.P. Irwin, B.A. (Sydney), B.Com. (Queensland), M.A. (New South Wales), to Associate Professor in the Department of Geography.

W.F. Geyl, B.Sc. (London), Drs..Phys. Geog. (Utrecht), to Associate Professor in the Department of Geography.
The following Lecturers were promoted to Senior Lecturer Grade:-


Dr. A. Barthofer, M.Phil., Dr. Phil. (Vienna), Department of German.

Dr. A. Cantoni, B.E., Ph.D. (Western Australia), Department of Electrical Engineering.

Dr. B.A. Conroy, B.Sc., Ph.D. (Sydney), Department of Biological Sciences.

Dr. R.P. Cooney, B.Sc., Ph.D. (Queensland), A.R.A.C.I., Department of Chemistry.


Dr. A.J. Hassall, B.A. (New South Wales), Ph.D. (Monash), Department of English.


Dr. A. Ivinskis, B.A. (Queensland), M.A., Ph.D., M.A. Ps.S., Department of Psychology.

Dr. R.C. Jones, B.Sc. (New South Wales), Ph.D. (Sydney), Department of Biological Sciences.

Dr. D.M. Keats, B.A. (Sydney), M.Ed., Ph.D. (Queensland), Dip.Ed. (Sydney), M.A.Ps.S., M.S.A.A.N.Z., Department of Psychology.

Dr. T.K. Sheng, B.A. (Marian College), B.Sc. (Malaya and London), Ph.D. (Malaya), Department of Mathematics.

Dr. C.A. Croxton, B.Sc. (Leicester), M.A., Ph.D. (Cambridge), Department of Mathematics.

CHRISTMAS CABARET

The University of Newcastle Staff Social Club's annual Christmas Cabaret will be held at the Newcastle Technical College Union, Tighes Hill on Friday, 20th December, from 8 p.m. to 1 a.m. Music will be supplied by The Telstars. The tickets cover supper and drink and cost $4.00 a double for members and $14.00 a double for non-members. Tickets are available from J. Dixon, Room G28F (Arts Building), Ext. 463.

STUDENT WINS PLAY AWARD

Mr. John O'Donoghue, a part-time student in English IV, has won a section of a national play competition conducted by the Students' Representative Council of Newcastle College of Advanced Education.

The competition carried $3,000 prizemoney and attracted more than 200 entries.

Mr. O'Donoghue won the section open to playwrights from Newcastle and the Hunter Valley. The play is entitled "A Happy and Holy Occasion" and was entered under the author's penname, "Philoctetes".

Mr. O'Donoghue has written four plays, two of which have been entered in competitions.
VISITING MECHANICAL ENGINEER

Professor Rowland S. Benson, of the Fluids and Thermodynamics Division of the University of Manchester Institute of Science and Technology, will visit this University on 21st and 22nd November.

He will give a seminar on "Some Thermodynamics and Gas Dynamics Problems in Internal Combustion Engines" in Room EAG01 on 22nd November at 11.00 a.m.

Anyone wishing to meet Professor Benson should contact the Dean of the Faculty of Engineering (Professor A.W. Roberts).

ADVERTISEMENTS

FOR SALE: 1970/71 Volkswagen 1500 beetle, 39,000 mileage, log book. Excellent condition. Owner leaves for study leave in December. 'Phone Ext. 483 or 731.660.

FOR SALE: Pedigreed Irish setter pups, males, 8 weeks old, outstanding pedigrees. Hartsbourne line interstate bitch, contact B. Boettcher, Ext. 566.

FOR SALE: Ski Boat Glastron 14'6" Fibreglass 70 h.p. Chrysler Outboard and Tilt Trailer, as new unit, 4 Life Jackets, Skis, etc. 'Phone 61.6134 or 63.2298 after hours.

SERVICES NOW AVAILABLE FROM THE UNION SHOP: Academic dress for hire and sale. Kodak films and developing, less 10%, Photo-copy machine service, 5c per copy. Dry Cleaning service. Sony and Sharp appliances. Laminator machine for preservation of important documents, drivers' licences, I.D. cards, etc. etc., 24-hour service, 10c per copy. C90 Cassettes.

WANTED: Seeking a companion to accompany ME on an adventurous trip of Australia for 3 to 4 weeks, if interested please ring 588.

HOUSE FOR RENT: Newcastle house, uniquely positioned on the oceanboard, will be available for 5 weeks over Christmas, all conveniences available $35 a week, references required, Ring J.A. Doeleman, Ext. 798.

FOR SALE: Gently sloping block, fantastic views of Hunter Valley and mountains. All new b.v. area in Elermore Estate, Wallsend, 61' X 163' X 173', only $8,750, ring 685.475 during working hours.

POSITIONS AVAILABLE

Technical Officer Department of Chemistry Position No: N127/74

Applications are invited from persons with appropriate qualifications and experience for the abovementioned position. Applicants must possess a Technical College Certificate in Chemistry or other recognised qualifications deemed by the University to be appropriate. Duties would include servicing of Laboratory classes, and assisting in departmental activities.

Salary range is $6,119 - $7,921 per annum and commencing salary will be depending upon qualifications and experience.

Applications close 18th November, 1974.
Attendant Position No: N132/74

Applications are invited from energetic persons for the position of Attendant, initially in the newly-constructed Sports Centre.

Duties are such that a physically fit male within the 25 - 35 age bracket would be most suitable. However, other applicants will be considered. The appointee's duties will include the issue, setting-up and storage of a variety of equipment, the general oversight of the use of the Centre, attending to bookings.

Salary will be within the range from $99.82 per week to $113.99 per week.

Applications close 20th November, 1974.

Graduate Librarian University Library Position No: N63/74

Applications are invited from graduates in possession of the Registration Certificate of the Library Association of Australia, or such other qualifications as the University may deem equivalent and relevant for a position within the University Library. It is essential that applicants have at least two years previous Library experience, preferably in an Academic Library, and experience in Cataloguing would be advantageous.

Commencing salary will be within the range $6,756 - $8,996 p.a. depending upon qualifications and experience.

Applications close 22nd November, 1974.

Programmer Computer Centre Position No: N125/74

This new position has been established following the recent installation of a 32K PDP 11/45 Computer in the Department of Mathematics. This computer will be operated for part of the time as a remote job entry, terminal connected to the 96K ICL 1904A Computer in the Computer Centre.

The duties of the appointee will include responsibility for installation, maintenance, and development of programs on the PDP computer; advice and assistance in programming to members of the Department of Mathematics; and operation of the PDP computer.

Applicants should hold an appropriate degree and have (or be eligible for) corporate membership of the Australian Computer Society. Experience in programming in Fortran is required and a knowledge of other languages, especially Algol 60 and Basic is desirable. Familiarity with PDP 11 and/or ICL 1900 computers would be an advantage.

Commencing salary will be within the range $7,287 - $10,087 per annum depending upon experience and qualifications.

Applications close 25th November, 1974.

Senior Librarian Archives Officer Position No: N130/74

Applications are invited for the abovementioned position. The successful applicant will be responsible to the University Librarian for the acquisition, organisation and preservation of the University Archives and the University's Local History collections. Applicants must possess an approved University degree and the Registration Certificate of the Library Association or its equivalent. Appropriate experience in Archives and Local History librarianship is essential.

Commencing salary will be at the rate of $9,262 per annum within the range $9,262 - $9,494 per annum for suitably qualified and experienced graduates. Non-graduates with experience and qualifications in archives and local history may apply.

Applications close 25th November, 1974.
Part-Time Office Assistant Typist/Stenographer Position No: N140/74

A vacancy exists for a part-time assistant in the Department of Architecture. It is hoped that the person appointed will be able to work five mornings weekly. Time off can be arranged during school vacations. The appointee, who must be a competent typist, and preferably will have shorthand, will share an office in the Department, and will work in association with one other stenographer in the Department.

The work is varied, sometimes confidential, and interesting. The position will become available in early February, 1975.

Applications close 2nd December, 1974.

Library Assistant Position No: N104/74

A non-graduate preferably attempting to complete requirements for the Registration Certificate of the Library Association of Australia is required.

Matriculation and completion of one stage of the Department of Technical Education Librarianship Certificate Course or completion of three papers of the Library Association Examinations are essential requirements for adult applicants. Commencing salary for adults will be within the range $5,382 - $6,279 per annum depending upon qualifications and experience and further annual incremental progression to a maximum rate of $7,560 per annum is available subject to meeting certain requirements.

Matriculation is an essential requirement for junior applicants. Juniors are paid according to age and to retain employment will have to provide service satisfactory to the University and have acquired either The Department of Technical Education or Library Association qualifications mentioned above before they are 21 years of age. Salary rates are expected to come under review in the new future.

Applications close 2nd December, 1974.

Office Assistant/Typist Department of Chemistry Position No: N141/74

Applications are invited from competent typists who have obtained typing speeds of 50 words per minute minimum for the above position. The position will become available in early February, 1975.

Commencing salary will be up to $107.34 per week depending upon age, qualifications and experience. Efficiency allowances up to $4.99 per week can be gained by passing typing speed tests at examinations conducted by the University.

Applications close 2nd December, 1974.

Stenographer Department of Physics Position No: N139/74

Applications are invited for a competent and experienced stenographer. There will be two Departmental stenographers. At the present time the appointee will have an office with a pleasant outlook. There are shopping and other amenities on campus and nearby. The work is varied and interesting, with minimum supervision. A responsible, energetic and tactful attitude is essential as the work involves assisting academic and other staff in a variety of tasks.

The position will become available in early February, 1975.

Commencing salary will be up to $109.95 per week, depending upon age, qualifications and experience. In addition efficiency allowances up to $9.97 per week can be gained by passing speed tests at examinations.

Applicants are asked to show on their application form the shorthand and typing speeds which they are confident of achieving under tests.

Applications close 2nd December, 1974.
Temporary Laboratory Assistant  Department of Biological Sciences
Position No: N137/74

Applications are invited for the above position. The appointment, financed from outside funds, will be for 1975 in the first instance; the period of employment and continuation of appointment will depend upon several factors including the availability of finance from sources outside the University. Duties will be general laboratory work such as assisting with the preparation of buffers and solutions and raising of plant materials under glass-house conditions. Previous laboratory experience would be an advantage but is not essential. The work would be carried out under the control of Dr. J.W. Patrick. Commencing salary for adults will be within the range $105.13 - $112.67 per week. Juniors are paid according to age.

Applications close 6th December, 1974.

Professional Officer  Department of Psychology  Position No: N126/74

The University invites applications for the position of Professional Officer in the Department of Psychology. Applicants should hold a degree in Psychology (or its equivalent) and be available for appointment in February, 1975. Experience with physiological and biochemical techniques could be an advantage. However, all applicants are asked to provide full details of their experience and expertise in any relevant field.

Duties will include responsibility for the general operation of laboratories, maintenance of laboratory stocks, technical assistance with teaching and research activities and associated work. It is to be expected that emphasis on particular aspects of the duties will vary from time to time.

The salary range for the position is $7,287 - $10,087 per annum and commencing salary will be dependent upon qualifications and experience.

Applications close 13th December, 1974.

Temporary Technical Officer  Department of Chemistry  Position No: N136/74

Applications are invited from suitably qualified persons for a temporary Technical Officer position within the Department of Chemistry.

The duties of the appointee will be to assist in the development of a research project entitled "The effect of complexing agents on the adsorption of metal ions by clays and soils".

The appointment, financed from outside funds, will be for 1975 in the first instance; the period of employment and continuation of employment will depend upon several factors including the availability of finance from sources outside the University.

Applicants should have completed an appropriate certificate course at a Technical College or any other course deemed by the University to be equivalent and appropriate. Experience in atomic absorption spectroscopy and/or some knowledge of adsorption behaviour would be an advantage. Commencing salary for adults will be within the range $117.35 - $151.91 per week.

Further information may be obtained from Professor W.F. Pickering, Department of Chemistry.

Applications close 6th December, 1974.

Technical Officer  Position No: N128/74

Applications are invited from competent technicians possessing the Electronic and Communications Certificate or other equivalent qualifications for appointment to the above position in February, 1975.

Applicants must have a sound knowledge of and practical experience in electronics and audio visual equipment. The duties will include assistance with the construction and the maintenance and operation of acoustic equipment and audio visual equipment.
The work which is varied and interesting will include duties in two Academic Departments on a time-sharing basis.

Salary range is $6,119 - $7,921 per annum and commencing salary will be dependent upon qualifications and experience.

Applications close 25th November, 1974.

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Application forms may be obtained by contacting the Personnel Section, Ext.518.

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SPORTING NEWS

Golf

The University Open Championship for 1974 was conducted at Royal Newcastle on Sunday 13th October.

The winner was Geoff Spark with 37 points, from John Robson with 33 points and John Twohill with 30 points. The competition was well attended and a feature of the day's play was a fine eagle 3 on the par 5 13th hole, by John Twohill.

Squash

Two University Ladies' teams will play the Grand Final of their respective competitions during this week.

The B2 team, comprising Bronwyn Tarrant, Caroline Cranfield, Joan Ruse and Bess Burns, defeated South Newcastle Leagues Club 3 rubbers to 1 in the Final, and will meet Belmont.

The C3 team, comprising Judy McLeod, Annabelle Symes, Margaret Heron and Mary-Lyn Brien, were Minor Premiers and will meet Hunter.

Inter-Faculty Cricket

This annual Campus competition will begin at No. 2 Oval on 26th November at 1.00 p.m., when a team representing the Secretary's Division, the Library and the Computer Centre (called SECRETARY'S) will play a team made up of representatives of Commerce, Economics and Legal Studies, called CELS.

The remainder of the draw:-

Wednesday, 27th November, ARTS V SCIENCE, No. 1 Oval.
Thursday, 28th November, ACCAPAD V ENGINEERING, No. 2 Oval.
Tuesday, 3rd December, ARMAPPS V ACCAPAD, No. 1 Oval.
Wednesday, 4th December, ENGINEERING V ARTS, No. 2 Oval.
Thursday, 5th December, SCIENCE V SECRETARY'S, No. 2 Oval.
Thursday, 5th December, CELS V ARMAPPs, No. 1 Oval.
Sunday, 8th December, FINAL, No. 1 Oval.

ACCAPAD consists of Accounts, Amenities and Planning, while ARMAPPs embodies Architecture, Maths and Applied Science.

Golf

The University's Staff team will travel to Armidale on November 29th to play golf against the University of New England's staff side. The teams have played "at home" and "away" for some years. The next match will be the Vice-Chancellor's last as Captain of Newcastle.

Cricket

Combined High Schools and University will be competitors at University Oval on 2nd December, starting at 10.00 a.m. Principals of high schools will be guests of the Vice-Chancellor for lunch.