UNIVERSITY'S BY-LAWS AMENDED

At its meeting on the 18th March, the University Council approved for submission to the Governor amendments to the University's By-Laws which provide for the election by students of two students to membership of the Council. It is anticipated that the amendments will be Gazetted in time for an election to be conducted during second term.

It is necessary for the By-Laws to be amended before the University Act, which was recently amended by State Parliament, can be proclaimed. The amended act supersedes an act which provided for one member of Council, not necessarily a student, to be elected by the undergraduates of the university.

STAFF/STUDENT CONSULTATIVE COMMITTEE NOMINATIONS

Candidates for election to the Staff/Student Consultative Committee are invited to nominate in the next two weeks.

Written nominations, giving the names of both the candidates and the persons proposing them, together with indications from the candidates that they are willing to stand, should be lodged with the Secretary to the University (Room 171, Main Building) before 5 p.m. on Friday, 16th April.

All students may stand for election, the students of each Faculty electing one student member, except in the Faculty of Arts, where three are elected. The Committee consists of equal members of elected staff and student members, and has, as ex-officio members, the Deputy Chairman of Senate, the President and Local Education Officer of the S.R.C. and the President of the Staff Association.

PROFESSOR B. NEWTON-JOHN,
CHAIRMAN S.S.C.C.

SHELL OIL COMPANY ANNUAL PRIZE

Council was informed that the Shell Oil Co. had offered to support an annual prize in the Faculty of Economics and Commerce.

The prize will be awarded to the full-time or part-time undergraduate in the Faculty of Economics and Commerce, if of sufficient merit, who achieves the best performance in the four subjects comprising the common first year of the course leading to the degree of Bachelor of Commerce. The value of the prize will be $65.
A further three members of the Academic Staff have returned to the University after absences on study leave.

Dr. S.C. Baker, Senior Lecturer in Physics, spent almost a year working in England and America. He visited Perth, Israel, Rome and Zurich en route to the Imperial College of Science and Technology, London, where he was a Visiting Professor for 10 months. He was attached to the Rensselaer Polytechnic Institute in Troy, New York, as a Visiting Professor for six weeks and visited several American universities before returning to Australia via Japan.

Mr. W.J. Sheehan, Senior Lecturer in Economics, was away for the 1970 academic year. For most of his time he was a Visiting Research Fellow at the Institute of Social and Economic Research, the University of York, England, but also visited the Universities of Birmingham and Hull and the London School of Economics. On the way to Europe Mr. Sheehan visited the University of Western Australia and on the return trip visited Simon Fraser University, Vancouver.

Dr. S.St.J. Harne, Senior Lecturer in Geology, worked as Visiting Associate Research Professor at the University of Georgia, Visiting Scientist at Macaulay Institute for Soil Research in Aberdeen, Scotland, and took part in discussions at the National Building Research Institute in Pretoria, South Africa. While associated with the University of Georgia, he visited Calgary, Canada.

B. MATH. DEGREE AND TEACHERS' COLLEGE SCHOLARSHIPS

With the establishment of the Faculty of Mathematics and the new course leading to the Bachelor of Mathematics degree, some doubt apparently arose in the minds of students with Teachers' College Scholarships concerning recognition of this degree by the State Department of Education.

Teachers' College students interested in studying for this degree will be pleased to know that the Department of Education in this State has decided that a teacher with a Bachelor of Mathematics from the University of Newcastle, together with a recognised course of Teacher Training, will qualify for Teachers' Certificate Attainments Four Years Trained.

PROFESSOR R.G. KEATS,
DEAN, FACULTY OF MATHEMATICS.

UNIVERSITY SKILLS RESULTS

First-year students who sat recently for the University Skills Assessment tests can make appointments with Student Counsellors to obtain results.

COMMONWEALTH SCHOLARSHIP TO EDINBURGH

Mr. J.M. Burgess, a postgraduate student in the Department of Metallurgy, has accepted a scholarship to the University of Edinburgh, where he expects to study for a Ph.D. for three years.

Since 1965 Mr. Burgess has been a student in the university - first as an undergraduate and at present as a postgraduate. His studies have been
sponsored by the B.H.P. Co. Ltd. Mr. Burgess graduated as a Bachelor of Engineering in Chemical Engineering with first class honours and the University Medal. He is currently registered as a candidate for the Master of Engineering degree. Mr. Burgess said he had accepted a scholarship offered by the Commonwealth Scholarship Commission of the U.K. and intended to go to Edinburgh next September after he had completed his Master's thesis. Under the supervision of Professor P.H. Calderbank, he would carry out research into mass transfer across a gas-liquid interface, concentrating specifically on the problem of gas absorption from a bubble, or swarm of bubbles.

MISS UNIVERSITY MEETS GALLERY DIRECTOR

Miss University, Arts student Jane England, was a guest at a dinner in the Staff House which welcomed Dr. Joachim von Moltke to the university on the 30th March. Dr. von Moltke, who is Director of the Kunsthalle, Bielefeld, West Germany, was in Newcastle to give a public lecture in the City Art Gallery. Others at the dinner in the Staff House included the Director of Newcastle Art Gallery (Mr. D. Thomas), the President of the Art Society (Mr. R. Mitchell), the Vice-Principal (Professor B. Newton-John), Professor F. Romberg, Professor K.W. Robinson and Dr. N. Clouten.

HIGHER DEGREES CONFERRED

Following a recommendation from Senate, the University Council, on the 18th March, approved the admission of the following candidates to higher degrees.

Doctor of Philosophy

Mr. P.T. Gallagher, Department of Metallurgy, Thesis title: Thermodynamics of Metal-Hydrogen Solutions; Mr. K.L. Hitz, Department of Electrical Engineering, Relations between Continuous and Discrete Time Quadratic Minimization; Mr. J.G. Mathieson, Department of Chemistry, Partial Molal Volumes and Viscosities of Solutions of Complex Cyanides.

Master of Arts

Judith A. Dickson, Department of Geography, Thesis title: The Organisation of Hunter Valley water resources, 1885-1969; Mr. D. Davis, Department of English, The Shakespearean Conception of Stage Grouping, Movement and Action, with Particular Reference to the English Histories.

Master of Engineering

Mr. D. Williamson, Department of Electrical Engineering, Thesis title: Design of Minimal Order Observers for Linear Feedback Control Laws; Mr. A.R. Hair, Department of Chemical Engineering, The Behaviour of Mixed Size Particles in Pneumatic Conveying.

BUILDING PROGRAMME

Council was given a report on delays which had occurred in the construction of extensions to the Engineering Complex due to rain.

It was stated that the anticipated dates for the completion of Stage II (buildings B, C and D) was now 28th May and for the completion of Stage III (building E) 3rd
August. Tenders for the construction of building F will be called on the 19th April, closing on the 10th May, and work should be completed in February 1972.

Work on the extension of the pavilion at the sports field was proceeding satisfactorily and completion was expected by the end of May.

As regards the proposed Stage IIIA of the Library, tender documents had been prepared and, subject to approval by the Australian Universities Commission, the tenders were expected to be called in April.

The landscaping of parts of the university site was proceeding, together with the construction of paths and other works. Work was being done in the Main Plaza in order that all-weather access will be provided to every building and stormwater flow will be controlled. Subsequent work would include the laying of turf.

S. R. C. E L E C T I O N S

The Students' Representative Council has announced the names of students who were successful in the election for positions on the 19th council except for executive positions.

Successful in the election of representatives of the Faculty of Arts were Messrs. B. Murphy, R. Farrell, D. Marley and G. Brown. Messrs. G.P. Giles and W. Keats were elected as representatives of the Faculty of Science, Messrs. D. Evans and G. McDougall as representatives of the Faculty of Economics and Commerce and Mr. J.M. Bonnetts as representative of the Faculty of Engineering. Mr. T. Laffan was Returning Officer and Mr. A. Svirskis was Scrutineer.

The S.R.C. is calling for nominations from members willing to serve as Director of Autonomy Day activities. Autonomy Day will be held on the 22nd July.

E A S T E R A R R A N G E M E N T S

The Easter recess will be from Friday, 9th April, to Tuesday, 13th April inclusive. The Enquiry Counter in Student Administration will close at Noon on Thursday, 9th April. Students requiring travel concession certificates should collect them before that time.

D O C T O R A T E O F P H I L O S O P H Y D E G R E E

The Council of La Trobe University has awarded a Doctor of Philosophy degree to Mrs. Jennifer Wallis, Lecturer in Mathematics at this University. Mrs. Wallis' thesis was entitled Combinatorial Matrices.

A C A D E M I C A P P O I N T M E N T S

Mr. R.D. Parbery has taken up Duties as Senior Tutor in Mechanical Engineering. Mr. Parbery graduated as a B.Sc. and B.E. in 1968 with first class honours and worked as an engineer for Tubemakers of Australia, Stewarts and Lloyds Division, before joining the University.

Mr. C.E. Ware has been appointed Tutor in Philosophy. Mr. Ware took out a degree of Bachelor of Arts at the University of Santa Clara and a Master of
Arts degree at San Jose State University. From 1968 to 1970 he was a Senior High School Teacher in America and was attached to the N.S.W. Education Department as a Physical Education Teacher last year.

Mr. B.J. Stokes has been appointed Tutor in Mathematics. Mr. Stokes is a Bachelor of Science with honours in this university and was previously a Junior Tutor and a Research Assistant in Mathematics.

Mr. L.E. Mankowski has begun duties as Temporary Lecturer in Architecture. Mr. Mankowski holds a B.S.(Arch.) in the University of Cincinnati and a M.Arch. in Cornell University.

Mr. R.J. Meredith has taken up duties as Lecturer in Education. Mr. Meredith was trained as a History teacher at Sydney Teachers' College. He was attached to the Education Department until 1962, when he qualified as a B.A. at the University of Sydney. From 1962 to 1969 he was Lecturer in History at Sydney Teachers' College. Before joining this university Mr. Meredith completed two years at Macquarie University as Temporary Lecturer in the Teacher Education Programme (History Method) and a Tutor in History. He is a candidate at Macquarie University for a Master of Arts degree, his field of interest being 19th century New South Wales politics.

**COMING EVENTS**

**Annual Meeting**

The History Club will hold its annual general meeting in the Council Room on Friday, 2nd April, at 5 p.m. Membership of the club cost 50 cents.

**Mathematics seminars**

A seminar will be held on Friday, 2nd April, in Room AG24 at noon. Dr. R.W. Eyland of the Department of Pure Mathematics, University of Sydney, will speak on "Cobordism of Differentiable Manifolds". All those interested are invited to attend.

Mr. B. Sims, higher degree research student, will conduct a seminar on "Generalised Adjoint Operators For a Class of Banach Spaces" in G24 on the 7th April at 2 p.m.

"Human Engineering"

Members of Newcastle Division of the Institution of Engineers and visitors have been invited to attend a seminar in the P.D. Riddell Theatre at Newcastle Technical College on Wednesday, 7th April, beginning with sherry and a light meal in the Technical College Union at 5.15 p.m.

The topic for discussion at the seminar will be: "Human Engineering, or Man In His Work Environment". The principal speaker will be Reader in Mechanical Engineering at the University of Melbourne (Professor R.W. Cumming) and he will be supported by Senior Lecturer in Mechanical Engineering at the University of Newcastle (Mr. G.D. Butler) and the Works Training Officer, Commonwealth Steel Co. Ltd. (Mr. J. Green).
Meeting on Possible Increase in Fees

A general meeting of members of the Union to consider the Board of Management's proposal that Union fees be increased will be held in the Common Room on Thursday, 15th April, at 5.30 p.m. The Board decided, at its meeting on 25th March, to hold the meeting.

Education Meeting

The Director of Newcastle University Students' Association's Education Campaign (Mr. L. Galbraith) has convened a special meeting at which inequalities in education will be discussed and an endeavour will be made to form a committee to arrange both a campaign and a survey.

Mr. Galbraith said the meeting would be held in the Lounge of the Union on Thursday, 15th April, at 7.30 p.m. Various community organizations concerned with education had been invited to send representatives and students and members of staff were welcome.

Social

The University's Tutors/Demonstrators' Association will hold a Social in the Staff House on Wednesday, 21st April, from 12.15 p.m. to 2.15 p.m. Miss Nona Harvey will give an informal address on "Tutor Radicalism in Germany". Members and intending Members are welcome.

"The Commonwealth Today"

Professor Mark Naidis, Visiting Professor in the Department of History, will speak on "The Commonwealth Today" in the Council Room on Wednesday, 21st April, at 8 p.m. The lecture has been arranged by the History Club and the Australian Institute of International Affairs. Professor Naidis, an American, teaches British History at Los Angeles Valley College and British Imperial History at San Fernando Valley State College.

Jazz Workshop

Every Friday night some musicians interested in playing hot jazz, i.e., the real improvised variety, report at the Union for informal jam sessions. The music swings from 8 to 10 p.m. and budding instrumentalists are welcome to take part. Postgraduate students Terry Caelli (clarinet) and Paul Richardson (trumpet) are organisers.

SPORTING NEWS

The University's Blues Association will hold its annual dinner and presentation of Blues in the Staff House on Friday, 16th April, beginning at 6.30 p.m. This function is the highlight of the University sporting year. The Vice-Chancellor (Professor Auchmuty) will present Blues to: Bruce Devir, Darryl Williamson and Keith Brown (all Rugby), Alison Smith (Badminton), David Lai (Table Tennis), Virginia Green (Tennis), Alwyn Wardle (Fencing) and Cliff Hanna (Squash).

Interfaculty sport

Plans are being made for the staging of Winter inter-faculty sporting competitions beginning in June. It is planned to arrange Rugby, Soccer, Hockey, Softball, Netball and Rowing competitions embracing teams from every one of the seven
faculties: The Amenities Office has made a preliminary request for teams to be formed.

Table Tennis

The Table Tennis Club is conducting trials for its teams to play in this year's Winter competition. The object is to enter six teams and win competitions for the second consecutive year. The club intends to send men's and women's teams to Monash University for the inter-varsity competition in May.

The following officers were elected at the club's annual meeting: President, Vincent Yu; Vice-presidents, L. Faidiga, D. Tsang; Secretary, Miss J. Scase; Treasurer, B. Redman; Floating Committee, Miss G. Trotman, Messrs. A. Latham and G. Brown; Sports Union Delegate, G. Brown.

Yoga Classes

About 30 students have indicated that they will attend Yoga Classes, the first of which will be held in the Union Lounge on Monday, 19th April, beginning at 5.30 p.m. Further participants will be welcome.

Forthcoming Fixtures

It is planned to reserve a section of every future issue of the NEWS for information about the major sporting fixtures in which University teams are involved. As the NEWS is produced fortnightly the information will concern fixtures listed for the forthcoming two weekends.

Initially, because some codes have not completed schedules for their Winter fixtures, it is not possible to give as many details as is desirable.

Rugby Union: 3rd April, University plays against Stockton, Lynn Oval, Stockton, all grades from 11.50 a.m.

Soccer: 3rd April, Trial, University plays Kearsley, Stevenson Park, Mayfield West, from noon; 10th April, competition game, University plays Broadmeadow, Mayfield United Park, Crebert Street, Mayfield, from noon.

Rugby League: 3rd April, Inter-varsity Tertiary Competition, University plays University of Sydney Blues, University Oval, 3 p.m.

Women's Hockey: 3rd April, grading trials at National Park, University's four teams will be graded.