



MONASH REPORTER

An unofficial bulletin prepared for the information of members of staff of Monash University.

Vol. III No.18

May, 1966.

HONOURS, AWARDS AND APPOINTMENTS TO MEMBERS OF STAFF

Professor J. Bornstein (Biochemistry) has been appointed Consultant Biochemist to the Queen Victoria Hospital.

Professor R. Day (Psychology) has been appointed a member of the Australian Aeronautical Research Council. He has also been made a Fellow of the British Psychological Society and of the Australian Psychological Society.

Professor E. Hudson (Medicine) has been appointed Sir Arthur Sims Commonwealth Travelling Professor for 1967 to visit Canada, United Kingdom and Africa.

Professor G.C. Schofield (Anatomy) has been appointed Visiting Professor in Anatomy from September 1966 to June 1967 at the University of Illinois Medical Centre, Chicago.

VISITING PROFESSORS

Dr. Carl F. Cori, Professor of Biological Chemistry, Washington University, St. Louis, will be guest Professor of Biochemistry at Monash during the next month. Professor Cori received the Nobel Prize for Medicine in 1947 for his outstanding contributions to knowledge of Carbohydrate Metabolism.

Dr. H. E. Krahl, Professor of Physiology, University of Chicago, will be Visiting Professor to the Department of Biochemistry for three months. Professor Krahl is one of the world's major authorities on Insulin action and is author of the standard text on the subject. The book is called 'Action of Insulin in Cells' - Academic Press.

MR. P. G. NASH

Mr. P.G. Nash, Senior Lecturer and Sub-Dean in the Faculty of Law, has been appointed to the foundation Chair of Law in the University of Papua and New Guinea.

It is the intention of the University's Interim Council that Law teaching should begin in 1967 when approximately twenty students will commence Law studies leading towards the degree of Bachelor of Laws. At present approximately eighty undergraduate students are enrolled for a year of preliminary studies designed to prepare them for the first year of an Arts or Law course in 1967.

Mr. Nash graduated LL.B. from the University of

Melbourne in 1956. He was a Lecturer at the University of Tasmania in 1957 and was awarded a LL.M. by that University in 1959. From 1962 until he came to Monash at the end of 1964 he was Senior Lecturer in Commercial Law in the Department of Legal Studies, Faculty of Economics and Politics, University of Melbourne.

STAFF ARRIVALS

Dr. J. Malaquais Docteur es lettres, University of Paris, as Visiting Special Lecturer in French until October, 1966. Dr. Malaquais has been a Visiting Lecturer in many overseas universities. His major academic publication "la Catégorie dialectique du 'Moi absolu' chez Søren Kierkegaard" will be published this year. He has written many articles on literary criticism and has also had published a number of novels and short stories. These have been published in translations in English, Spanish, Portuguese, Italian, Polish and Hungarian. Dr. Malaquais has received several important literary awards:

Prix Théophraste Renaudot, Paris, 1939.

Prix de La Guilde du Livre, Lausanne, 1941.

The John Simon Guggenheim Fellowship, New York, 1949.

The Book of the Month, London, 1949.

Le Livre du Mois, Paris, 1953.

Dr. Malaquais is accompanied by his wife and child.

Mr. K.J. Grace - Civil Engineer, Site Works and Grounds. Mr. Grace obtained his Diploma of Civil Engineering at Swinbourne Technical College and has subsequently been admitted as an Associate Member of the Institution of Engineers (Australia). His experience prior to joining the university includes service with Roche Bros. Pty. Ltd., Contractors, as a Field Engineer, with the Melbourne & Metropolitan Board of Works in Town Planning, and latterly with the Commonwealth Works Department, particularly in relation to airport design and construction. Mr. Grace is married with two children.

Mr. A.C. Scott - Architect, Work Section of the Buildings and Grounds Branch. Mr. Scott is an Associaté of the Royal Australian Institute of Architects and took his diploma at the University of Melbourne. He has worked with two firms of architects and also in the Buildings branch of the P.M.G., and latterly in the Architects Branch of the State Electricity Commission of Victoria. Mr. Scott is married with two children.

Dr. D.S. Bartholomeusz - Lecturer in English, graduated B.A.(Hons.) from the University of Ceylon in 1953 and Ph.D. from the University of London in 1966. His doctoral thesis was entitled "Macbeth and the Actors", and is a critical study of the players' interpretations of the roles of Macbeth and Lady Macbeth from 1611 to the present. From 1955-63 Dr. Bartholomeusz was a Lecturer in English Literature at Aquinas University College, Colombo. Dr. Bartholomeusz is married with two children.

Mr. S.J. Bastomsky - Lecturer in Classical Studies, is a graduate in Latin with first class honours of the University of Witwatersrand in 1960. He was a Junior Lecturer, later Lecturer, in the University of Natal

from 1961-65. His teaching experience is varied, the emphasis being upon Latin and Classical Civilization and History. Mr. Bastomsky is single.

Mr. W. Spence - Administrative Officer Grade II (Scholarships and Research) in the Academic Registrar's Branch. Mr. Spence graduated as a Bachelor of Science from Sydney University. Since 1950 he has been employed in the Soil Conservation of New South Wales, and in 1962 was appointed Officer-in-Charge of the Wagga Wagga Soil Conservation Research Centre. Mr. Spence is married with four children.

Mr. C.F. Doxford - Teaching Fellow in History, graduated B.A.(Hons.) in 1960 and Dip.Ed. in 1961 from the University of Melbourne. He shared the Dwight Prize for the Diploma of Education course and in 1965 obtained an Exhibition in the History of Australian Education. He has been teaching since 1961. Mr. Doxford is single.

STAFF THEATRE GROUP

Next month's play reading will be held at the home of Brian and Laura Brogan at Olinda. The date is Monday 6th June.

Hedda Gabler: At an audition evening on Thursday 19th May, Ibsen's play will be read. This reading in the English department library at 8 p.m. will be of interest to anyone who would like a part in next term's production of the play. Everyone will be welcome. If you are interested but cannot manage to attend that evening, please contact Betty Moore (extension 2140).

STUDENT EMPLOYMENT SERVICE

Do you ever need a babysitter, a gardener, a maths coach for your children, someone to wash dishes after a party or help you paint your house?

Staff members may not be aware that the Careers & Appointments office runs a Student Employment Service. Students are available for all kinds of work, skilled, semi-skilled and not skilled at all. If you want a job done, please ring the Student Employment Service, ext. 2115.

Important: At present the demand for work far exceeds the supply and we would be very grateful for any publicity staff members could give the Service by recommending it to their friends.

FREE CHEST X-RAY

The annual medical examination of first year students is to take place at Clayton Technical School, Browns Rd., Clayton (just over the road from the corner of Dandenong and Wellington Roads) from 16th to 19th May inclusive between the hours of 9 a.m. and 4.30 p.m. There will be an X-Ray van located at the school. Any staff member wishing to avail himself/herself of the opportunity to have a free chest X-Ray would be welcome to attend.

WORLD UNIVERSITY SERVICE

World University Service in Australia has appointed Mr. David Muschamp as Executive Secretary. An M.A. from Western Australia, Mr. Muschamp was Senior Tutor in the Philosophy Department of that university from 1961-1963 when he came to Monash as a Research Scholar and part-time

Teaching Fellow. He has been resident tutor in Philosophy at Trinity College since 1964. World University Service is the international universities' aid society, with headquarters in Geneva, working in more than 60 countries. Mr. Muschamp, who has visited many Asian universities, will promote fund-raising activities within Australian universities. WUS funds are raised to help universities in developing countries.

USED FURNITURE AND CHILDREN'S EQUIPMENT

In the expectation that it will prove to be of service to members of staff, especially to newly-arrived members, the Monash Women's Society proposes to establish a used furniture and children's equipment pool and would appreciate donations or loans of items in these two categories. If, for example, you have a cot, playpen, a pusher or pram in a good usable condition which you no longer need, please telephone Mrs. L. Gruner (57-1321 evenings) or Mrs. J.R. Pilbrow (56-7842). Mrs. Gruner or Mrs. Pilbrow will also advise you whether any other items you may wish to donate would be acceptable. It is emphasised, however, that only articles in usable condition are required. It is intended to offer the furniture and equipment to interested staff members at a charge sufficient to cover the cost of transportation.

AUSTRALIAN RULES COACH

The unexpected withdrawal of the appointed coach of the Junior (under 19) football team has left an embarrassing vacancy for this position. If any staff member or his acquaintance is interested in tackling this job (which should require about two hours on a Tuesday or Thursday evening in addition to Saturday afternoons), would he please contact the Football Club President (Bruce Munday, Ext.2617) or the Vice-President (Dr. Ron Dickson, Ext.2725) as soon as possible.

HOLDERS OF RED AND GREEN CAR STICKERS

The Secretary of the Faculty Club, Mr. J.C. Brierley, reports that due to the success of the 5c. discount per gallon of Shell at certain service stations, a further benefit has now been offered by the proprietor of the Waverley Heights Service Station. This Station is located on the corner of Blackburn Road and Pinewood Drive, Mt. Waverley. This latest benefit consists of a 10% discount on a wide range of services, viz. lubrication, electronic tune-ups, wheel aligning, electronic wheel balancing, brake servicing, headlight aiming, major and minor repairs. A free pick-up and delivery scheme is also available. Tyres, batteries and accessories are offered at special rates.

VOLLEYBALL

Any member of staff wishing to play volleyball, preferably on a Tuesday evening from 7 p.m. to 9 p.m. - please contact Mr. Doug Ellis, extension 2128.

GRADUATES ASSOCIATION

The University's Graduates Association invites all interested members of staff to a cocktail party on Friday 20th May at 7.30 p.m. in the Faculty Club. Would those interested in attending please contact Miss Adrienne Holzer (extension 2003).

AUSTRALIAN BROADCASTING COMMISSION:
PSYCHOLOGICAL RESEARCH IN VICTORIA

A series of five talks about Psychological Research in Victoria will be broadcast on Thursday nights. They began on April 28th. The talks will be broadcast from 10.15 to 10.30 p.m. from 3AR, 3GI, 3WV, 3WL and 2CO.

April 28th: Studying Children's Thinking,
by Miss Mary Nixon, Senior Research Officer
of the Australian Council for Educational
Research.

May 5th: Seeing the World,
by Professor Ross Day, Professor of Psychology
at Monash University.

When you walk down the street images flash across your eyes: images of the traffic, other people, shops, the footpath, etc. When you lie down the direction of the image you see changes in your eye, and yet your surroundings are still seen as stable and upright. Professor Day will speak about his research into how we see objects, space, depth and distance.

May 12th: Modifying Smoking Habits,
by Dr. Leon Mann, Lecturer in Psychology at
the University of Melbourne.

Dr. Mann will speak about an experimental technique for modifying excessive cigarette smoking. It is called "emotional role playing". A person is induced to act out a fictitious occurrence as though it were really happening. For example, a person who is a very heavy smoker pretends that he is a lung cancer victim. Results suggest that it is possible to devise practical applications of "emotional role playing" which induce long term changes in smoking habits and attitudes towards smoking.

May 19th: Perception Without Awareness,
by Dr. Alan Worthington, Lecturer in Psychology
at Monash University.

Soon after World War II, an American advertising executive caused a stir when he claimed that he had successfully increased the demand for a product by presenting advertising so that it was not noticed by potential consumers. The procedure became known as subliminal advertising. Later experimentation has suggested that behaviour cannot be affected drastically in this way, but that more subtle changes in a person's behaviour might be produced. Dr. Worthington's research supports this conclusion.

May 26th: Human Skills in Complex Tasks,
by Mr. Ron Cumming, a Melbourne research
scientist with qualifications in engineering
and psychology.

Have you ever wondered why you failed to see a stop light or misinterpreted a road sign? Have you thought of yourself as part of a "man-machine" system while driving a car? Mr. Cumming will talk about engineering psychology: the study of man in relation to machines.

RADIATION PROTECTION

A Radiation Protection Sub-Committee of the Safety Committee has been constituted, consisting of Dr. D.W. Coates (Physics), convenor, and Dr. W.R.G.M. de Boer (Pathology). Its function is to advise university departments and individuals on all aspects of radiation hazards and protection methods.

Dr. Coates may be contacted at extension 2627.

MYER FOUNDATION RESEARCH FELLOW

Mrs. Georgette Silva has been appointed the Myer Foundation Research Fellow in Literary and Linguistic Data Processing. This Research Fellowship is initially for a period of one year. Mrs. Silva will be concerned with the development of advanced research procedures and the application of routine procedures to problems encountered by research workers within the Department of Modern Languages and the Faculty of Arts. She will work under the direction of Professor Laufer.

Projects for which co-operation has already been sought include the generation of indexes and selective concordances for French and Latin texts, as well as the preparation of the first basic word frequency list for Bahasa Indonesia.

Mrs. Silva, who graduated B.Sc.Eng. from the University of Natal, is a M.A. candidate at Monash.

SYMPOSIUM ON POST-GRADUATE STUDIES

It is intended to hold a symposium on Post-Graduate Studies some time in July. This is to be organised by the Post-Graduate Students' Association.

The symposium will probably be of a half day's (Wednesday) duration and the Association hopes it will have several important speakers. Any help from interested staff members would be appreciated. Further information may be obtained from Paul Pearl (extension 2818) or John Price (extension 2617).

MOOT COURTS

The Law Students' Society hopes to hold five Moot Courts this year - two in this term, two in second term and one in third term.

The object of a Moot Court is to give law students training and experience in presenting and arguing cases in court. To that end, in each case at least two students will act as solicitors for rival parties and each solicitor will instruct a junior and senior counsel to prepare and present the arguments with reference to a set of hypothetical facts. The Moot Courts will be open to all members of staff and to all students as members of the public.

In each Moot Court the practice and procedure, including the manner of addressing the court and the formalities observed in Court, will be those which are observed in the actual court which the Moot Court is assuming to be for the purpose of the case before it.

The first Moot Court was held in the Council room on Thursday 28th April at 6.30 p.m. and was constituted by Mr. W.T. Charles, Special Lecturer in Law as Moot Court President. The Court sat as the Supreme Court of Victoria and the matter argued was the legal consequences of the findings contained in a hypothetical special verdict of a jury. The findings related to a charge of murder against a man for having killed a woman in the belief that the woman was a witch who had already caused the death of two members of the man's family, and who would have caused the death of a third member had she lived.

Members of staff and students will be welcome to occupy the public benches. Copies of the cases may be obtained from the main office, Faculty of Law.

"UNIVERSITY IN INDUSTRY" COURSES

During the past few years many discussions have taken place with industry to ascertain the need for intensive courses of a type which might best be described as "University in Industry" Courses. It was proposed late last year that a "Noise and Vibration" course should be held early this year to test the idea. On Friday 25th March, a six weeks' full-time course for professional staff in private industry, government departments, and semi-government instrumentalities was completed. In all, 14 professional staff attended.

The Vice-Chancellor was kind enough to welcome those attending and remarked that he had to admit the course was 'somewhat ambitious'. There was a measure of "crash programming" during the period of preparation for the course for two reasons. The first was that the date selected for the start of the course gave a somewhat restricted period for its preparation, and secondly, both the Department of Applied Mechanics and the Department of Mechanical Engineering were in the throes of commissioning new laboratories to meet the start of the academic year. Because in many ways the course was laboratory orientated, the latter caused some concern.

Of the staff of Mechanical Engineering, Professor Crisp, Dr. Stevenson and Dr. Blackman were heavily committed during the lecture and laboratory periods. Many others within and without the University were invited to participate in the lecture programme and both the Building Research Division of C.S.I.R.O. and the Aeronautical Research Laboratories were kind enough to arrange for laboratory sessions at their establishments. These proved most interesting and were an invaluable part of the course.

The following people lectured during the course:

Mr. R.H. Brown	Dept. of Applied Mechanics,
Mr. H. Nolle	" " " "
Assoc. Professor J.D.C. Crisp	" " "
Professor R.G. Barden	Dept. of Mechanical Engineering
Dr. D.R. Blackman	" " "
Dr. D.C. Stevenson	" " "
Mr. R. McPherson	Dept. of Civil Engineering
Mr. K. Morsztyn	Dept. Electrical Engineering
Professor R. Day	Dept. of Psychology
Mr. P.J. Hocker	Faculty of Law
Mr. J.A. Macinante	Division of Applied Physics, CSIRO, Sydney
Mr. A. Nickson	Division of Building Research CSIRO, Highett
Mr. P. Dubout	" " " "
Mr. W. Davern	" " " "
Mr. R. Trail-Nash	Aeronautical Research Laboratories,
Dr. H. F. Millar	Collins Street, Melbourne.
Mr. H. Luntz	Faculty of Law, University of Melbourne
Mr. R. Carr	Acoustical Consultant, Hawthorn

Information gleaned from a "post-mortem" held on the afternoon of Friday 25th March and from the feed-back process now going on, shows clearly that the course was well received and much was gained by those attending.

The Faculty of Engineering is most grateful to the members of the advisory committee for their encouragement, and to Industry for their active support. Particular thanks are due to Australian Paper Manufacturers who were kind enough to underwrite the course.

INSTITUTE FOR THE STUDY OF THE U.S.S.R. - SUMMER SCHOOLS

Details are as follows:-

Summer School is to be held from 10th June to 22nd July 1966 in Munich, Germany.

The Summer School is conducted by the Institute for the Study of the U.S.S.R. and the University of Oklahoma, and is designed for graduate and undergraduate students of Soviet affairs and the Russian language.

Programme topics are -

- (1) The Soviet Union today,
- (2) Recent Soviet Literature,
- (3) Contemporary Soviet Society,
- (4) Soviet Foreign Policy and Strategic Power,
- (5) Intermediate Russian Reading: Intermediate Russian Conversation,
- (6) Advanced Russian conversation.

Enquiries, accompanied by a statement of the students' educational preparation should be directed to -
Professor N.K. Novak-Decker, Director, Summer School, Institute for the Study of the U.S.S.R., Mannhardtstrasse 6, Munich, Germany (Cable address - INERSU)

STAFF HANDBOOK - REVISIONS AND ADDITIONS

- 1.3.3 Administrative Headship of Departments with more than one Professor.
- 2.4.1 Furniture and Furnishings
- 3.1.1 Terms and Vacations for 1966
- 4.2.4.2 Laboratory Managers' Salaries
- 4.5.4 Faculty Club Committee 1966
- 5.3.2 Rules for Sale of Personal Property by Staff to the University.

HOUSE FOR SALE

Corner block - ranch style home 13½ squares - weatherboard, corrugated fibro cement roof, 6 rooms - 3 bedrooms, separate dining room. Polished wood floors, floor covering in lounge, cork tiles in kitchen and hallway. Extra shower recess. Built-in robes, internal toilet, sewer, 'Wonderheat' fire in lounge (including fan), automatic electric stove, garage with roll-up door, separate car-port and workshop, established gardens, rock edging, made roads and paths.
Price: \$10,500. Phone 544.3316. 50 Margaret St., Clayton.

MONASH UNIVERSITY REEL & STRATHSPEY CLUB

The Club held a successful second dance at Glen Waverley Presbyterian Church Hall on 16th April. The Third dance is to be held on Saturday 28th May in honour of the visit of Mrs. Florence Lesslie, formerly of Edinburgh, now living in New Zealand, and a leading authority and well-known personality in Scottish Country Dancing. The Faculty of Law have very kindly granted permission to use the large lecture hall in the School of Engineering for this special evening. Tickets will be available on or about 16th May; 75c. for dancers and 40c. for spectators, from Mrs. MacKinnon, Staff Office, Room 133, or members of the committee. A light supper will be provided.

It is hoped that, interstate travelling conditions permitting, the Club will have the pleasure of the company of the Professor of Music, Professor Trevor Jones, and Mrs. Jones, as special guests.

Mrs. Lesslie is to train and examine eligible persons at the first Australian training course which will be held under the Royal Society's rules, for the teachers' preliminary test examination and which will be held at the University Halls of Residence between May 23rd and June 4th. Anyone interested is very welcome to attend the evening functions either to dance or watch. Two of the sessions will be led by Mrs. Lesslie, with the Sports Warden's generous permission, in the University Gymnasium. There will be a small charge to cover expenses.

SCHOLARSHIPS

Britannica Australia Education Award 1966

1. Nominations are now being invited for this award for 1966. Nominees should have made contributions of outstanding merit to knowledge or practice in education, and of direct significance and benefit to Australia, (in 1965 the award went to Professor Sir Fred Schonell).
2. The award is open to Australian nationals whether working in Australia or elsewhere, and to other nationals working in Australia providing that ~
 - a) the work done has a special significance or value to Australia or is connected with some aspect of Australian life;
 - b) contribution to either research or practice are of recent origin and are influencing education in Australia.
3. Each Award consists of a gold medal, a diploma bearing a citation, and \$A10,000. It is normally made to an individual but a joint contribution by up to three persons will be considered. An Award may also be shared by up to three persons for a separate contribution. An Award will not be made to an institution or organisation.
4. Nominations (10 copies of each) clearly marked CONFIDENTIAL must be lodged with the chairman of the committee by 1st June, 1966, at the following address:-

C/- Australian Council for Educational Research,
9 Frederick Street,
Hawthorn, E.2. Victoria.

Note: Early submissions will be appreciated by the committee.

Further information may be obtained from Mr. W.S. Spence, Scholarships Officer, Administration Building.

The English-Speaking Union of the Commonwealth (Victorian Branch) Younger Members' Group Scholarship Scheme 1966

The Younger Members' Group of the Victorian Branch of the English-Speaking Union offers, in 1966, its eleventh annual Travelling Scholarship.

1. The Scholarship will take the form of a Grant to the value of \$500 and is open to all young men and women who are not less than 21 years of age and not more than 35 years of age on 30th June, 1966, and who have made arrangements to travel to the United Kingdom or the United States of America not earlier than 1st August, 1966, nor later than 31st July, 1967.

2. It is a necessary condition of application that applicants are in a position to pay all travelling and other expenses in connection with their visit to either U.K. or U.S.A.

The following points will be considered in awarding this Scholarship:-

Community activities,
Potential good ambassadorship,
Qualifications or experience pertaining
to applicant's occupation.

The successful candidate may be given the opportunity to address English-Speaking Union Branches overseas or on return to Australia.

The Gowrie Scholarship Trust Fund Postgraduate Research Travelling Scholarship

Research Travelling Scholarships awarded by the trustees of this Fund are tenable by postgraduates for two years for research studies at an overseas university, or similar institution. The stipend is \$A1,800 per annum.

The Scholarship for 1966 was awarded to Mr. P.A.Hobson B.A. DipEd.(Sydney) for studies towards the Master of Arts (Education) degree at the University of London.

American Studies Fellowships

The American Council of Learned Societies has, over the past few years, been actively promoting Programmes of American Studies at the university level in Western Europe and more recently in Australia and New Zealand.

Commencing in 1967, American Studies Fellowships will be available to scholars of Australia, Japan and New Zealand. These Fellowships are for scholars of no more than 45 years of age who are teaching at the university level, and who wish to engage in advanced research in the United States on some aspect of the history, culture, or civilisation of that country.

The Fellowships are for a minimum period of nine months and may be extended to a maximum period of two years. They provide for all expenses, including transportation, maintenance, health insurance for the recipients and their accompanying dependents, as well as the recipients' educational and research expenses.

Selection of candidates for these Fellowships will be on a competitive basis. Scholars interested in Fellowships to be initiated in 1967 should write to:

The American Studies Program,
American Council of Learned Societies,
345 East 46th Street, New York, NY.10017, USA,

before 1st July, 1966.

National Heart Foundation of Australia Fellowships and Grants for Research

Fellowships - the following types of Fellowship will be open to university graduates to engage in full-time research in approved laboratories and/or clinics:-

RESEARCH FELLOWSHIPS: for graduates up to 35 years of age, tenable in the first instance for one to two years - salary within the range \$4,240 - \$6,310 per annum.

SENIOR RESEARCH FELLOWSHIPS: for graduates with substantial experience and proven ability in research; tenable for three to five years; salary within the range of \$6,490 - \$7,930 per annum.

Grants-In-Aid - These will be awarded only to non-profit

institutions in Australia which possess the requisite basic research facilities. Grants may be made for one or two calendar years to support a particular research programme, normally under the supervision of a full-time responsible investigator and with the approval of the Head of the relevant department.

A grant may cover salaries for full-time or part-time research assistants and for technical and other assistants, equipment and supplies.

Research Studentships - Provision may be made under Grants-In-Aid for approved projects for the appointment of research students proceeding to the degree of Doctor of Philosophy. The allowance payable to research students will be \$2,200 per annum with annual increments of \$200.

APPLICATIONS CLOSE ON 30TH JUNE, 1966.

Application forms and brochures containing further information may be obtained from the Medical Director, National Heart Foundation of Australia, Box 691, Post Office, Canberra City, A.C.T. or from the Academic Registrar.

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Further information may be obtained from Mr. W.S. Spence, Room G.29, Administration building, (extension 2009).

DEPARTMENTAL NEWS OF GENERAL INTEREST

CHEMISTRY

It was recently announced that Mr. Brian Yawney has been awarded a National Research Council Special Scholarship which may be held by outstanding Canadian workers. The Scholarship is granted to those who have commenced post-graduate research outside Canada.

The Council received a total of 99 applications for Special Scholarships from students working outside Canada in 1963-64. Forty-six awards were made and 40 accepted. Only two of these were for work in Chemistry and Mr. Yawney's scholarship is the only one granted to a worker in Australia.

A Seminar on the teaching of Inorganic Chemistry was held and was well attended by staff of Melbourne and Monash Universities. The Seminar coincided with the visit of Dr. Bruce Cruickshank of Bristol University.

Dr. Cruickshank is part of a team of university teachers looking into teaching methods and he is particularly interested in the problems of teaching inorganic chemistry; in this capacity Dr. Cruickshank has toured Australian universities, Monash being his last stop. Two points of interest emerged from Dr. Cruickshank's discussion - firstly, that teaching methods in Australia were better coordinated than in Britain and in general, he expressed the view that there was little to learn as far as this aspect was concerned, from a study of British methods. Secondly to refer to any one method in Britain could be misleading. Dr. Cruickshank had devised a questionnaire of over 40 enquiries and distributed them to every university department in Britain. A preliminary analysis of the information reveals that no firm pattern of teaching exists. Even the most elementary questions drew a variety of answers. The findings, which have been extended to biological studies and continued by teams in America will be published in book form.

DEPARTMENTAL NEWS (cont.)

An interesting variation on the theme of Science for the non-scientists at universities has emerged from the offering of a Science course to non-science students. Attendance of the course was on a voluntary basis and thought, by those potentially giving it, to be a good thing. It was thought that the non-scientist would welcome the contact with scientific staff willing to give up precious hours to discussion. Not one volunteer stepped forward! In the days when the course counted in examinations about thirty students registered for a similar course. Other science departments offering courses had only a handful of enquiries where previously, hundreds had pressed for knowledge (when it counted for examinations). It is not intended to draw hasty conclusions from this but those who advocate science for non-scientists in undergraduate training seem to be on stony ground.

GEOGRAPHY

Between the 6th and 12th March the Department took its third-year students for a week's field work in the Bendigo area. The party of 42 students was led by Dr. P.J. Rimmer, Mr. R.J. Johnston and Miss S.E. Gillies and stayed at the Shamrock Hotel, Bendigo.

The main purpose of the week's fieldwork was to train students in methods of geographical research. To this end three days were spent making sample studies of population movements and shopping habits in Bendigo, Rochester, Kyabram, Tongala, Echuca, Castlemaine, Maldon, Maryborough and Avoca. In each town approximately one-third of the householders were interviewed except in Bendigo where the sample was much smaller. A sizeable report on the findings of these studies has already been produced.

On the final day the students conducted individual research projects which they planned themselves and they have presented these to a departmental seminar. A second report based on these studies is now being prepared.

In addition to the training in research methods two excursions were organised to indicate the geography of the local area. Firstly Mr. J. Stanistreet, a mining engineer, led an excursion round Bendigo indicating the main features of the city's development with particular reference to the impact of gold on the landscape. On the second excursion aspects of irrigation agriculture were studied. The morning was spent at the Eppalock Reservoir and pumping station and in the afternoon, the party was conducted around three dairy farms in the Rochester area by Mr. R. Beattie and Mr. J. Stewart of the Department of Agriculture. On the last day of the visit the party was honoured by a civic reception given by the Mayor of Bendigo, Councillor Turner.

A recent visitor to the Department was Professor K.W. Robinson, Department of Geography, the University of Newcastle, N.S.W. who gave a staff seminar on "Industrial Decentralisation".

MATHEMATICS

Mr. L.J. Gleeson has been awarded the first Ph.D. in Mathematics from Monash for his thesis entitled: "The Motion of Charged Particles in Slowly Varying and Neutral Plane Magnetic Fields".

DEPARTMENTAL NEWS (cont.)

Recent visitors to the department have been: Dr. J.J. Monaghan of the Division of Physics, C.S.I.R.O., Sydney, who presented a paper entitled: "The Structure of Magnetic Stars" and Professor Bruce B. Bolt, Director of Seismographic Stations of the University of California, Berkeley, who spoke on "Terrestrial Spectroscopy." The visit of Professor Bolt, who is at present on study leave in Sydney, was sponsored jointly by the departments of Mathematics and Physics. Dr. F. Smithies of St. John's College, Cambridge, and the Australian National University will shortly be visiting the department and will be giving two talks in conjunction with the Melbourne University Mathematics Department.

Professor R. Van der Borgh, Dr. E. Strzelecki, and Dr. G. A. Watterson have been appointed Associate Editors of the Journal of the Australian Mathematical Society.

MECHANICAL ENGINEERING

THAT TOWER! Readers may have noted the tall tower which has appeared at the edge of the sports area, near Engineering. This tower, and its partner down near the corner of Wellington and Dandenong Roads, form part of the project in the department to investigate the wind effects on the Menzies building: the purpose of the towers is to measure the properties of the wind before it is deflected by the buildings on the campus. They are not a permanent contribution to the scenery of the University, and will make way in several years for more conventional University structures.

Before any money changes hands, may we state that the towers are 30.7 m (100 ft.) high, and that 56 pegs are provided for prank-prone students (and legitimate people) to climb to the top. Dr. D.R. Blackman is in charge of the part of the project involving the towers, which will include a study of some properties of wind.

The Reporter will be distributed in the first week of each month.

Copy for the June edition of the Reporter closes on Friday 20th May.

ACADEMIC VACANCIES

Notification has been received to the 20th April of the following vacancies.

Salaries shown for Australian positions are in Australian currency. With the exception of UNESCO appointments, all other salaries are shown in sterling.

Organisation	Position	Salary	Closing Date
University of Adelaide	Assistant Director of Adult Education	8600	31.5.66
	Reader or Senior Lecturer in History	8600 6500-7600	9.5.66
	Senior Lecturer/Lecturer Mechanical Engineering	6500-7600 4800-6340	31.5.66
	Lecturer in History	4800-6340	9.5.66
	Lecturer in English	4800-6340	9.5.66
	Lecturer in Public Administration or International Relations	4800-6340	30.5.66
	Teacher of Singing	4800-6340 or 6500-7600	31.5.66
Australian National University	Chair of History	10,400	4.7.66
	Senior Lecturer or Lecturer in Law	6500-7600 4800-6340	30.5.66
	Senior Lecturer or Lecturer in Pure Mathematics	6500-7600 4800-6340	30.5.66
	Lecturer in Economic History	4800-6340	20.6.66
	Senior Demonstrator in Forestry	4200-4680	30.5.66
Institute of Advanced Studies	Fellows and Research Fellows in the Research School of Chemistry	5620-7600	16.5.66
	Senior Fellowship in Theoretical Physics in the Research School of Physical Sciences	7600-8920	27.5.66
	Research Fellow in the Ion Diffusion Unit	4800-6300	2.5.66
Research School of Pacific Studies	Senior Research Fellows or Research Fellows in the New Guinea Research Unit	4800-6300	27.5.66
Flinders University	Lecturer in Social Administration	4800-6340	6.5.66
	Demonstrator in Chemistry	2800-3300	7.5.66
University of Melbourne	Reader, Senior Lecturer, Lecturer in History and Philosophy of Science	8600, 6500-7600, 4800-6300	30.6.66

ACADEMIC VACANCIES (cont.)

Organisation	Position	Salary	Closing Date
University of Melbourne (cont.)	Senior Lecturer or Lecturer in Veterinary Medicine	6500-7600 4800-6300	1.7.66
	Lecturer in Criminology	4800-6300	31.5.66
University of New England	Senior Lecturer or Lecturer in Geography	6600-7600 4800-6340	31.5.66
University of New South Wales	Lecturer in: Electrical Engineering	4800-6340	30.5.66
	Data Processing (Accountancy)		2.5.66
	Structural Engineering		9.5.66
Broken Hill Division	Lecturer in Mathematics	4800-6340	16.5.66
University of Queensland	Senior Lecturer or Lecturer in Geology	6400-7600 4800-6200	6.5.66
	Lecturer in Mechanical Engineering	4800-6200	13.5.66
	Temporary Senior Lecturer in Veterinary Pathology	6400-7600	20.5.66
	Research Fellows in Civil Engineering	3240-4400	as soon as possible
University College of Townsville	Professor of History	10,400	13.5.66
	Professor of Marine Biology (Botany or Zoology)	10,400	13.5.66
	Senior Tutor in Mathematics	3800-4300	13.5.66
University of Sydney	Chair of Medicine	13,156	15.6.66
	Chair of Surgery	13,156	15.6.66
	Director of Social Sciences, Survey Unit	8600	16.5.66
	Senior Lecturer or Lecturer in Oral Surgery	6600-7600 4800-6340	16.5.66
	Senior Lecturer and Lecturer in Mathematical Statistics	6600-7600 4800-6340	30.5.66
	Lecturer, and Lecturer or Senior Tutor in Government and Public Administration	4800-6340 4200-6000	10.5.66
	Electronics Engineer	approved grades	not stated
	Professional Officer - Wills Plasma Physics Department (School of Physics)	not stated	not stated
	Chair of Botany	10,400	31.5.66
University of Tasmania	Careers and Appointments Officer	6600-6500 or 5600-6400	
Alfred Hospital	Director of Cardio-vascular Diagnostic Serv.	8530-10,020	30.6.66

ACADEMIC VACANCIES (cont.)

Organisation	Position	Salary	Closing Date
University of Canterbury	Senior Lecturer or Lecturer in Mathematics	1300-2500	30.6.66
	Senior Lecturers or Lecturers in Geography (2 posts)	1300-2500	14.5.66
	Visiting Lecturer in Geography	up to 2000	14.5.66
	Lecturers in History " " Education	1300-2500 1300-2500	30.5.66 15.5.66
Massey University of Manawatu	Senior Lecturer or Lecturer in Economics	2100-2500 1300-2000	6.5.66
	Lecturer in Education	1300-2500	15.5.66
University of Otago	Lecturer in History	1300-2500	30.5.66
	Lecturer in Mineral Technology	1300-2500	15.6.66
	Lecturer in Land Development Technology	1300-2300	16.5.66
	Lecturer in Adult Education (qualifications in Science)	1300-2200	18.5.66
Victoria University of Wellington	Lecturer in Philosophy	1300-2200	14.5.66
	Lecturer in Cartography	1300-2200	18.5.66
	Postdoctoral Research Fellow - Solid State Physics	not stated	1.6.66
	Research Fellow in Cloud Physics - Division of Radiophysics	4966-6304	6.5.66
C.S.I.R.O.	Appointment of Experimental Officer (Physical Chemistry of Proteins) - Division of Food Preservation	4976-5616 2960-4768	4.5.66
	Appointment of Experimental Officer (Mechanical Engineer) Division of Food Preservation	4976-5616 2960-4768	31.5.66
	Postdoctoral Fellowship in Solid State Physics - Division of Tribophysics	6568-7624 4966-6304	6.5.66
	Appointments in the fields of: Ecology and Biological Control, and Physiology and Biochemistry	6568-7624 4966-6304	13.5.66
	Appointment of Research Scientist in Wheat Research Unit	6568-7624 4966-6304	13.5.66
	Appointment of Physical Oceanographer (Div. of Fisheries & Oceanography)	6568-7624 4966-6304	6.6.66

ACADEMIC VACANCIES (cont.)

Organisation	Position	Salary	Closing Date
C.S.I.R.O. (cont.)	Appointment of Organic Chemist - Division of Entomology	4976-5616 2960-4768	13.5.66
	Appointment of Scientific Services Officer - Computing Research Section	4976-5616 2960-4768	13.5.66
	Research Scientists (3 posts), Riverina Laboratory - Division of Plant Industry	6568-7624 4966-6304	27.5.66
	Educational Officer - Computing Research Section	4976-5616 2960-4768	20.5.66
	Geomorphologist (male) Division of Land Research	6568-7624 4966-6304	29.7.66

Advice has been received of the following vacancies with the Food and Agriculture Organisation and the International Labour Office of the United Nations.

Organisation	Position	Duration	Closing Date
Food and Agriculture Organisation of the United Nations	Technical Officer at Cairo, U.A.R. (seed potato production)	20 months	9.5.66
	Technical Officer at Cairo, U.A.R. (Vegetables - Applied Physiology)	32 months	9.5.66
	Technical Officer at Rangoon, Burma, (Water resources development)	through 1966, possibly '67, '68	9.5.66
	Technical Officer (Cartographer) at Wad Medani, Sudan.	30 months	9.5.66
International Labour Office	Expert in Management Consulting, and Industrial Engineering, Bangkok, Thailand	12 months	9.5.66
	Expert in Industrial Designing, Bangkok, Thailand	12 months	9.5.66
	Expert in Extension Services, Bangkok, Thailand	12 months	9.5.66
	Expert in Foundry work, Bangkok, Thailand	12 months	9.5.66
	Services for Small Industries, Bangkok, Thailand	12 months	9.5.66

ACADEMIC VACANCIES (cont.)

Organisation	Position	Duration	Closing Date
International Labour Office (cont.)	Production Engineer, Bangkok	12 months	9.5.66
	Expert in Electrical Engineering, Kampala	12 mnths - 2½ years	9.5.66
	Expert in Woodworking Technology, Kampala	12 mnths - 2½ years	9.5.66
	Expert in Metal Engineering, Kampala	12 mnths - 3 years	9.5.66
Further information may be obtained from Mr. J. Waterhouse's office, Room 111, 1st floor, Administration building.			
Advice has been received from the Association of Commonwealth Universities of the following vacancies:			
University	Position	Salary	Closing Date
Belfast	Senior Lecturer or Lecturer in Genetics	2480-3250 1400-2505	30.6.66
Bradford Institute of Technology (proposed University of Bradford)	Senior Lecturer, Lecturer or Assistant Lecturer in Marketing Science (Management and Administration)	2505-3250 1400-2505 1050-1275	as soon as possible
	Teaching appointment in Accountancy (Management and Administration)	1400-2505 1050-1275	as soon as possible
Cambridge	Lecturer in Engineering (3 posts)	1740-2760 or 1640-2660	9.5.66
	Design Engineers in Engineering (3 posts)	1740-2505 1640-2405	9.5.66
Keele	Tutor in Child Care (Extra mural studies)	1470-2630	4.5.66
Manchester	Chair of Higher Education	3570	9.5.66
	Chair of Mechanical Engineering	3570	5.5.66
	Lecturer or Assistant Lecturer in Mathematical Statistics	1470-2630 1105-1340	7.5.66
	Assistant Lecturer in History of Art	1050-1275	2.5.66
	Postdoctoral Fellowship in Organic Chemistry	1050	as soon as possible
	Part-time Lecturers in Psychology, Sociology, and Social Studies	not stated	not stated

ACADEMIC VACANCIES (cont.)

University	Position	Salary	Closing Date
Oxford	Senior Research Officer or Research Officer, or Assistant Research Officer in the Economics of Latin America	1740-2760 1400-1995 1000-1740	7.5.66
Sheffield	Lecturer or Assistant Lecturer in Philosophy	1400-2505 1050-1275	7.5.66
	Assistant Lecturer in Geography	1050-1275	7.5.66
Strathclyde	Lecturers in Welding Technology and General Metallurgy (2 posts)	1470-2630	not stated
	Research Associateship in Metallurgy	1275-1825	not stated
Sussex	Chair of Electronics (preliminary announcement)	not stated	not stated
	Lecturer or Assistant Lecturer (or exceptionally senior Lecturer) in Mathematics	2575-3415 1470-2630 1105-1340	as soon as possible
Wales (University College of Swansea)	Lecturer or Assistant Lecturer in Geography (one - interest in Climatology, and hydrology, other - planning, social and political geography)	1400-2505 1050-1276	2.5.66
	Post-doctoral Fellowship in Biochemical Engineering	1050-1275	not stated
	Tutors in Geography	875-925	2.5.66
University of Hong Kong	Lecturers or Assistant Lecturers in English (3 posts)	1930-3100 1300-1570 (male)	31.5.66
University of Malaya	Lecturer or Assistant Lecturer in Obstetrics and Gynaecology	1456-2184 1288-1400	15.5.66

Advice has been received from the Inter-University Council for Higher Education Overseas of the following vacancies:

Location	Position
Ahmadu Bello (Nth Nigeria)	Professor of Education and Director of the Institute of Education Senior Lecturers and Lecturers in French Senior Research Fellowship in Geography Research Fellowships or Assistant Research Fellowships in: Agricultural Economics, Economics, Social or Economic Geography and Rural Sociology.

ACADEMIC VACANCIES (cont.)

Location	Position
Ahmadu Bello (Nth Nigeria) (cont.)	Sub-Librarian in the Kashim Ibrahim Library. Principal of the University Staff School
University College Dar es Salaam	Bursar
Ghana	Chair in Geology Lecturer in Geology
Ibadan (Nigeria)	Research Professor, Senior Research Fellows, Research Fellows and Junior Research Fellows in: Rural Sociology, Economic Planning, Agricultural Economics, Statistics and Econometrics, Public Finance, International Economics. Two Senior Lectureships and a Lectureship in Physics.
Khartoum	Senior Lecturer and Lecturer in Electrical Engineering Technician or Senior Technician in Anatomy Three posts of Technician Instructors in: Chemical Pathology, Histopathology and Physiology. Senior Lectureships or Lectureships in: Veterinary Medicine, Veterinary Surgery.
University of Lagos Medical School	Associate Professor in the Department of Morphological Sciences. Lecturer in Obstetrics and Gynaecology Lecturer in the Department of Anaesthesia
Makere University College (Uganda)	Readership in Clinical Physiology Senior Lecturer in Medicine Assistant Research Fellow or Research Fellow in Sociology or Anthropology at the East African Institute of Social Research
Njala University College (Sierra Leone)	Professor in Plant Physiology Associate Professor or Senior Lecturer in Agronomy Associate Professor or Senior Lecturer in Agronomy/Statistics. Senior Lecturer or Lecturer in: Plant Pathology in Department of Plant Science, in Department of Animal Science, in Department of Agricultural Engineering. Two Senior Lecturers or Lecturers in Agricultural Economics. Senior Lecturer and Lecturer in: Department of Home Economics, Agricultural Extension. Senior Lecturer in: Soil Chemistry, Animal Science. Farm Director (Senior Lecturer or Lecturer level)

ACADEMIC VACANCIES (cont.)

Location	Position
<p>Njala University College (Sierra Leone) (cont.)</p> <p>West Indies</p> <p>Zambia</p>	<p>Two posts of Stenographer/Secretary for Principal's office and Controller's Department</p> <p>Two posts of Administrative Assistant for Physical Plant Department and Registrar's Department. (Public Relations).</p> <p>Lectureships in: Geography (two posts) Botany, (two posts)</p> <p>Lecturer and Assistant Lecturer/Research Assistant in Zoology</p> <p>Lecturer and Assistant Lecturer in Physical Education</p> <p>Administrative Assistant</p> <p>Senior Lecturer or Lecturer in Inorganic or Physical Chemistry</p> <p>Lecturer or Assistant Lecturer in: Anatomy, Caribbean Studies, Geology</p> <p>Senior Lecturer, Lecturer or Assistant Lecturer for 'The Scientific Approach' course. Chief Technician/Senior Technician for Electronics, and Instruments</p>
<p>Further information may be obtained from Australian Vice-Chancellor's Committee, C/- University of Melbourne, Parkville, N.2.</p>	

HANDS OFF THE UNIVERSITIES!

by David Thomson.

(The following talk was given in the Third Programme of the B.B.C. It is reprinted from "The Listener" January 13, 1966.

David Thomson is Master of Sidney Sussex College, Cambridge, and a university lecturer in history. His publications include 'Two Frenchmen : Pierre Laval and Charles de Gaulle', 'Europe since Napoleon', and 'England in the 20th Century, 1914-63')

Materially universities are booming. They have all grown in size and they have multiplied in number to forty-seven: there were only half that number and they were much smaller when I went to Cambridge a generation ago. Now they occupy more space, employ more people, offer a wider range of studies, attract more public interest and so receive more publicity, good or bad, than ever before in our history. We spend some £200,000,000 a year on them direct, and the University Grants Committee expects to spend another £356,000,000 of public money on new buildings for them in the next five years. Our system of maintenance grants for students is the most generous in the world.

Yet, to judge from discussion that goes on in press and parliament, this new academic affluence yields remarkably little satisfaction. From some of the newest universities there comes, admittedly, a chorus of self-congratulation - but then they are anxious to establish a favourable public image. But from most vice-chancellors come, instead, laments of how inadequate and uncertain their finances are, how badly their building plans have been wrecked by the six months' moratorium the government imposed last July, and how difficult it is to find and to keep first-rate staff. The Association of University Teachers presses for higher salaries. Students' conferences pass fierce resolutions demanding bigger grants and abolition of the means test, denouncing the idea of loans instead of grants, and threatening to strike - though it is not very clear against whom, since it is their own education that is at stake. So both dons and students seem to be in a militant, complaining mood, only two years after the euphoria which accompanied the appearance of the Robbins Report on Higher Education.

Lord Robbins, last month, fired a few salvoes against what he dubbed the 'pedantic myopia' of the Department of Education and Science, for its invention of the so-called 'Binary System'. And Lord Murray, with long experience as Chairman of the University Grants Committee, voiced deep anxieties within the universities about the present arrangement (which is contrary to Robbins's recommendations) of one monolithic Department of State with one Permanent Secretary responsible, ultimately, for all education: for primary, secondary, higher, and further education, and for scientific research too. The universities are worried that now the U.G.C. has to go through this mammoth department for its funds instead of direct to the Treasury, there is much more room for interference, and not only on budgets - Lord Murray mentioned in the House of Lords a case where even a staff appointment had been interfered with.

HANDS OFF THE UNIVERSITIES (contd.)

So there is a malaise in our universities; and only some of it comes from the government's measures to overcome national economic crises. Although vice-chancellors complain that unexpected cuts in expenditure and halts on building works could have been imposed more intelligently and with better economic effect, it is not these that explain their long-term anxieties. Nor is it shortage of staff. We hear less about the 'brain-drain' now than we did a year ago. But we have been hearing more, instead, of the need for what is called 'fuller utilization of the plant', whether by requiring the staff to work double shifts or by introducing four-term years. These pressures have caused greater worry. Then this last week or two, in "The Times" and elsewhere, we have had a stream of angry or ribald comments from academics - I could not help joining in too - on the questionnaire recently sent to universities by the University Grants Committee. The Committee, under official pressure, is trying to apply methods of cost analysis, to 'separate and quantify' the costs of three of the activities of the universities: research, undergraduate teaching, and post-graduate teaching. So the Committee solemnly asked all university teachers to make statistical returns of how they apportion their individual efforts as between these three activities.

'Quantifying' university activities

This last episode has one great merit. The questionnaire is so obviously impossible to answer seriously that it forces academics to ask: 'Who are these people who are trying to "quantify our activities" and what are they trying to do to us?' The answer to this is so disturbing that the whole direction in which universities - indeed, higher education as a whole - have been developing these last ten years or so is brought into question. They have come to be treated as factories, or at best as swagger high schools. Wrangles about patterns of organization are seen to conceal basic issues of principle, and a clash of conceptions of what universities are for, perhaps, even, of what education is for.

My own view is clear, and I think consistent, though it has never found favour with the most vocal champions of university expansion. I want more growth on other fronts in higher education, less on the university front. I want neither a unitary nor a binary system, but a whole spectrum of higher education, taking many different and overlapping forms, including the much-neglected field of adult education.

Wherever educational institutions serving similar ends exist side by side, of course, a 'pecking order' will grow up. Some universities will be deemed 'better' than others, some training colleges better than others, some comprehensive schools better than other comprehensive schools. This has to be taken for granted because it happens everywhere, and is bound to happen. What can be avoided is the notion that the worst university is somehow superior to the best training college; the worst grammar school more to be esteemed than the best secondary modern. Each institution should be encouraged to aim at excellence of its own kind, for its own ends: to be itself at its best rather than to ape others. The binary system, as I understand it, means drawing a sharp organizational distinction between what is called the 'autonomous' or 'university sector' (which now includes the ten Colleges of Advanced Technology - the CATs) and the 'public' sector which comprises the colleges of education, the technical colleges, and the rest. I doubt

HANDS OF THE UNIVERSITIES (contd.)

if it contributes to the right sort of image for higher education as a whole; it makes for a gulf rather than for linked gradations overlapping in their excellence.

If universities have a specific function which distinguishes them from all other associated bodies, and which is to be the standard for judging their relative excellence, what is this to be? Most people would agree that the professor or lecturer - the 'scholar' - who works in a university has three chief duties: first to his branch of learning (his 'subject' or 'discipline'); then to his pupils, whether or not they can be infected with his own dedication to learning, and whether undergraduate or postgraduate; and, lastly, to society and the state which provide his facilities and, as a rule nowadays, his salary.

I believe that his priorities must be in this order - his duty to society last and lowest. Expansionists invert these priorities and put society first. But surely the most important thing about a scholar is that he is a scholar - that he has obligations to learning which make him a freeman of that world community of humanistic scholarship that used to be called, in a phrase now seldom heard, 'the Republic of Learning'. The basic obligation is to know his chosen field, to have an understanding of its basic principles and problems, and a mastery of its special techniques of investigation. It is his duty to keep abreast, so far as any man can, with the rapid developments and revisions of it resulting from research, with the literature and the articles about it in learned journals in different languages, and the new ideas that are likely to compel rethinking. He must try to integrate new knowledge and ideas with the old. This is neither education nor research, but it is the prerequisite of both: the don who tries to live too long on his existing capital of learning will find it depreciating very fast, and he may soon, indeed, become both 'remote and ineffectual'. Yet all this, absurdly enough, gets omitted from public discussions of the universities, just as it was overlooked in the recent questionnaire.

Why does this happen? One reason is that in most official reports, from Crowther to Robbins, the academic's duties to his pupils (as an educator) and to society (as a producer of employable graduates) have been consistently put first. They have been given priority over his functions as a man of learning, with a duty to scholarship. Universities have been expanded in terms of social demand or labour-market need, of hitting certain target-figures of graduate output by certain dates, of keeping up with the American Joneses or the Russian Ivanovs and (latterly) even of satisfying civic ambitions to become a 'university town'. The elements more difficult to 'separate and quantify' such as the growth of knowledge itself or the need to inspire some young scholars with a love of learning, have scarcely been mentioned.

There are several reasons why we can safely rate the needs of society and the state as the lowest of the three duties. We have already seen some of the perils of doing the opposite. There is no danger, I think, that social demands will be neglected. But, above all, if the academic does faithfully carry out his duties to his subject and his pupils, he will be already serving society in his own indispensable way. The duty to transmit not merely learning but a love of learning is something he alone can do; and society will be infinitely poorer if it is not done. It is ironic that he

HANDS OFF THE UNIVERSITIES (contd.)

may have to insist on carrying this out - unquantified, presumably - against the resistance of public authorities and public opinion. He may increasingly have to try to fulfil it even against the resistance of his pupils. Many of us, remembering our best pupils just before or soon after the war, would say, I think, that rather fewer now are receptive to the idea that an indispensable job of the student is to study - to submit himself, that is, to the necessary self-control, academic rigour, and intellectual discipline. He must not expect to find all study 'fun' or 'exciting', and demand ever broader courses geared to his own width of interests. Just as it is the scholar's basic job to be a scholar and pursue learning, so the student's job at a university is 'learning', not merely 'being taught' - even if at first he is only learning to learn.

Learning for its own sake

This does not mean cutting out vocational education or forbidding the joys of youth. Perhaps there never was a majority of dedicated students at any university. But it does mean insisting that unless, at the heart of university life, there exists an intense concern for learning for its own sake, on the part of most senior members and at least an élite of junior members, then the university has lost its essential raison d'être. If universities are treated as simply the top layers of the national educational pyramid - available as a state-provided social service for the eighteen-plus age-groups to whatever extent they may wish to use it - then I believe they will shrivel in vitality, and their misuse will impoverish our whole culture and civilization. So far as the Robbins report popularized this conception - and reinforced it with six volumes of statistics - it may have done harm to higher education in Britain.

The established universities have had sobering experience since the war of how clamorous, fickle, inconsistent can be the demands of man-power committees, commissions for professional education, and student interests. I remain convinced, on my own experience, that selection of entrants by strength of motivation is the surest guide. Few who fail academically lack the intelligence - they much more often lack the strength of purpose. I once asked a clever lad, who lacked any academic enthusiasms, why he had decided ever to come to Cambridge, and he replied, very honestly: 'It seemed the easiest thing to do'.

We must put first things first. Consider the innocent irony of the remark in the Robbins Report that 'a library adequate to scholarly research is as essential to the efficient running of a university as an adequate range of computers', as if universities had not for centuries got along without a single computer, though never without a library. But they may soon have to. In the Lords debate last month the Vice-Chancellor of York was pointing out that he had half or less than half the money to buy books for his new university library that he could get to equip a laboratory for one single science, and Lord Holford added that the new University of Kent had its first 600 students, but the library building - with the foundation piles in - had to be stopped because of the cuts in expenditure. Indeed the government's decision not to set up for ten years six further new universities may prove to be some meagre protection against having even more ludicrously inadequate libraries.

HANDS OFF THE UNIVERSITIES (contd.)

But for the purport of such changes as have been made - giving the CATs full 'university status', and setting up the Council for National Academic Awards to give degrees to the non-university half of the binary system - is to exalt the status of a degree above all other qualifications. You cannot hold up a degree as the supreme award without implying somehow that those students at colleges of education or technical colleges who are not working for degrees are somehow inferior people. The gulf between the two halves of the binary system, as Lord Robbins argues, will be accentuated: and we can expect a whole quasi-university system, regarded irretrievably as second-class, to grow up resentfully within the world of technical colleges from which the ten CATs have already been extracted. Perhaps the antithesis to CATs will be DOGs - Degree-Offering Government Schools. I fear we are on the way to reproducing for the over-eighteens the very divisions which authorities, central and local, are trying to abolish for the under-eighteens. We shall soon have the whole range - independent and grammar-school universities, technical universities, secondary-modern universities (with 'broad courses'), and perhaps even a comprehensive university, in London or Essex.

The Master of Peterhouse, Herbert Butterfield, recently wrote:

I should like to be told a little less often that the university must be a reflecting mirror, and hear more about its splendour as a shining light.

How right he is !