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# Chronicle

## U.G.C. Research Funds To Be Reinstated

The University Grants Committee funds for research were temporarily suspended in 1976, but they have been reinstated from 1 April next year and applications have been invited.

There are two sources of funds for research within the university system: the University of Canterbury allocation for relatively minor requests and the University Grants Committee funds for major projects.

Staff members requiring support for research, other than for research assistants, should apply to the Registrar not later than 26 August 1977. (This is for the University of Canterbury September meeting and the University Grants Committee November meeting).

Forms for this purpose are available from the cashier, Registry Concourse. Applications and any attachments should be typewritten and forwarded through Heads of Departments. Mineral Resources applications should be titled as such at the head of the form. Extra copies of applications are not required, but where supporting data for larger grants runs to more than two sheets, the original plus 13 copies should be supplied for forwarding to the University Grants Committee. A photo-copy of the relative form will be returned to each applicant in September as an acknowledgement and record of his or her application.

The University will itself finance in whole or in part some of the smaller applications. Larger applications will be considered here and referred to the University Grants Committee for support.

Funds for research assistants will continue to be allocated separately.

Professor L. D. Bancroft (French) has been appointed to the Board of Governors of Cathedral Grammar School.

## Ilam Conference

The Sixth Australasian Conference on the Mechanics of Structures and Materials will be held at the School of Engineering from 22 to 24 August. The conference, which is sponsored jointly by the University of Canterbury and the New Zealand Institution of Engineers, is one of a series of such conferences held every two years as a meeting point for academics, researchers and practising engineers in these fields.

This year's conference, organised by the Departments of Civil and Mechanical Engineering, is expected to be the largest yet with a total of 120 registrants. About 50 delegates are coming from Australia with some others coming from South-East Asia, the United States and Europe. To cope with the full programme of 66 contributed papers, the conference will have two concurrent sessions with the topics covering a very wide range in both structural mechanics and material behaviour.

The conference will be opened by Professor H. J. Hopkins, Head of the Department of Civil Engineering, with an address "Researcher and Engineer: The Importance of Communication". There will be a conference dinner on the Tuesday evening and the conference final summing up is to be given by Professor N. H. Murray, of Monash University, Australia.

## Evaluation Of Courses

A workshop aimed at outlining ways in which University teachers can evaluate their courses as an aid to developing the effectiveness of their teaching has been arranged this month by the Educational Research and Advisory Unit.

The times and venue for the three-session programme will be arranged in consultation with participants and members of staff who wish to take part are invited to reply to the Educational Advisory Officer, Mr R. I. McKay, Ext. 80/850. Copies of a descriptive brochure have been sent to all departments and to all staff members who have asked to be included in E.R.A.U.'s mailing list for advisory programmes.

The first session will be an overview of methods and approaches to course and teaching evaluation and on initiating an evaluation. Devising and administering questionnaires will be discussed in the second session and further sources of evaluation information will be the topic at the third session.

Mr McKay said opportunities for participants to initiate an evaluation of their own courses and to devise a suitable student response questionnaire would be provided as well as an introduction to more comprehensive approaches to the monitoring of teaching.

## Student President A Law Student

A fourth-year law student has been elected president of the Students' Association for 1978.

Mr Michael Lee received 1020 votes, the present vice-president, Mr George Love 402 and Mr K. Foley 72. Only about a quarter of the number of eligible students voted in the election.

Mr Lee campaigned on increasing campus social life, reducing the association's administrative costs and on remaining in office for the full term.

# Canterbury Fellows

## Political Scientist And Painter

Professor Anthony King, Professor of Government at the University of Essex, has been awarded a Canterbury Visiting Fellowship and will visit the Political Science Department in June-August next year.

Also visiting the University as a Canterbury Fellow will be Mr W. F. (Bill) Culbert, a graduate of the School of Fine Arts, who is now a part-time lecturer at the University of London Slade School of Art and the University of Reading.

Professor King is an established authority on British government and politics, policy processes in advanced societies, the comparative study of political executives, the evolution of party systems and the politics of Western Europe. He has published and lectured extensively in all these fields and is also well known in Britain as a broadcaster and commentator on current affairs.

A graduate of Queen's University, Ontario, Professor King won a Rhodes Scholarship, took a D.Phil. at Oxford and then studied as an American Council of Learned Societies Fellow at Columbia University.

He has been a lecturer in politics at Corpus Christi, Oxford, a fellow of Magdalen College and a visiting professor at the University of Wisconsin. He became a senior lecturer in government at Essex in 1966 and professor three years later.

Professor King is editor of the *British Journal of Political Science*, a member of the Political Science and International Relations Committee of the British Social

Science Research Council and a member of the Committee on Comparative Study of Public Policy, Social Science Research Council, New York.

Mr Culbert was awarded a New Zealand National Art Gallery travelling scholarship to study in Britain after graduating Dip.F.A.(Hons.) from Canterbury. He studied painting at the Royal College of Art, and was awarded an A.R.C.A. with first class honours and also a silver medal. He was painter in residence at Nottingham University and in 1967 was appointed senior lecturer in painting at the Nottingham College of Art, now Trent Polytechnic, before going to the Slade last year.

Mr Culbert has held 15 one-man exhibitions in London, West Berlin and numerous British towns and has been represented in 10 major group exhibitions.

## Changes At Victoria

Victoria University's Registrar for the past five years, Mr W. E. Dasent, will take up his new position as the University's full-time Pro-Vice-Chancellor (Administration) at the end of August.

The position was established by the University Council last year to enable Mr Dasent to provide more assistance to the Vice-Chancellor in several critical planning areas, and to relieve the mounting work pressures associated with the Registrarship following reductions in recent years in the numbers of senior academic administrators in the university.

In his new office, Mr Dasent will have particular responsibilities for the oversight of the University's financial position and for assisting the Vice-Chancellor in framing the annual Budgets and Quinquennial submissions. He will also be expected to play a key part, as a high-level "research officer" for two of the university's most important committees—the Committee of Vice-Chancellor and Deans, and the Academic Development Committee.

Mr Dasent, formerly a reader in chemistry became a part-time assistant to the Vice-Chancellor in 1964 and was appointed Registrar in 1972.

Another chemist, Associate Professor W. E. (Ted) Harvey has been appointed acting Registrar for 18 months. A graduate of Victoria and Cambridge, he worked with the D.S.I.R. before being appointed to Victoria's Chemistry Department, and was appointed an associate professor in 1969.

## Auld Reekie "Ideal City"

Edinburgh is the ideal city for New Zealand academics on leave, according to Mr C. E. Manning (Classics), who spent seven months on leave there with a fellowship at the Institute for Advanced Studies in the Humanities.

"I must say the seven months or so we spent in the Scottish capital were some of our most enjoyable ever," he said in his leave report. "Edinburgh itself is an ideal city for New Zealand academics going on leave. It has all the facilities of a capital, but is not so big that a New Zealander feels swamped or compelled to travel great distances."

He said the institute itself proved a most congenial place to work and the Director, Professor William Beattie was most helpful with his wide knowledge of Scottish libraries and saved Mr Manning much time because of his good advice on the location of books.

"I would like to stress how important it is for a classicist to be able from time to time to work in a library of long standing with old editions and long-standing runs of British and European periodicals," he said. "This is not to criticise the efforts of those who have built up the library at Canterbury, but Muretus compiled his edition of Seneca's moral works long before the first Europeans settled in New Zealand, and in the early days of the colony it would have clearly been excessive to spend considerable sums importing German periodicals. Nevertheless ours is a subject with a long history of scholarship which demands to be considered."

Mr Manning also visited Scandinavia and in Bergen found a student hall of residence that helped to balance its budget by doubling as a cheap hotel in the summer vacation. "We had to make our own beds, but the price was only two-thirds of that of the cheaper hotels in the city. For people travelling in Europe we also thoroughly recommend Eurail passes," he added. "We certainly paid much less than if we had bought tickets for each journey."

The Japanese Ministry of Education has offered scholarships to a few New Zealand graduate students for non-degree auditor or research study at a university in Japan for 1½ or 2 years. Successful applicants require a high standard of the Japanese language as instruction classes, etc. are in Japanese. Applications close on 16 September 1977.

# Erskine Visitors

## Statistician

A distinguished statistician will visit the University between March and the end of May next year on an Erskine Fellowship. He is Professor D. V. Lindley, head of the Department of Statistics and Computer Science, University College, London.

Professor Lindley has an international reputation as an expert in Bayesian statistics and is expected to give a series of popular lectures as well as specialised lectures for those interested in research in the subject. He will also give lectures and research seminars for postgraduate and honours students in mathematics and will participate in the First Australasian Mathematical Convention, to be held 15-19 May.

A graduate of Cambridge, Professor Lindley worked with the Ministry of Supply in the Second World War and then in the National Physical Laboratory. He joined the Statistical Laboratory at Cambridge in 1948 and became its director in 1957. From 1960 to 1967 he was professor of statistics at University College of Wales, Aberystwyth, and he went to University College 10 years ago.

Professor Lindley has been a visiting professor at Chicago, Stanford and Iowa Universities and at the Harvard Business School.

Professor Lindley is already well known to psychology students. Among his publications are six video tapes on various aspects of statistical inference from a Bayesian point of view. They were put out by Brunel University Television in 1973 and have been used by the Psychology Department for the last two years.

## Psychologist

A former lecturer in psychology at Canterbury, Professor R. L. Reid, has been awarded an Erskine fellowship to visit the University between February and April next year.

Professor Reid, who is head of the Department of Psychology at the University of Exeter, is expected to lecture in both the Psychology and Education Departments during his visit and to give other lectures in the University. His special interests are the psychology of learning, comparative psychology and animal behaviour and he has published widely in these fields.

Professor Reid studied economics at Edinburgh University, but the course was interrupted by three years of army service in India, Burma and Malaya and he switched to psychology on his return in 1946, graduating M.A. with first-class honours in 1949. He became a lecturer at Edinburgh that year and came to Canterbury as a lecturer in 1953. He returned to Britain in 1956 to take up a similar appointment at Aberdeen University and went to Exeter as professor and head of department in 1962.

For the last 10 years Professor Reid has been associate editor of the *British Journal of Psychology*. He was on the Council of the British Psychological Society for seven years and was the first president of the Association for Programmed Learning. He was also a committee member of the Experimental Psychology Society and a member of its editorial board.

In 1966 he was a British Council cultural exchange visitor to Czechoslovakia and was visiting professor at the Harvard summer school in 1969.

## Rescue Teams Sought

The University can scarcely be accused of apathy when it comes to dealing with a major emergency. Over the last two years a Light Rescue Team has been equipped and trained in the techniques of rescue tasks from buildings on the campus.

Steps are now being taken to provide rescue equipment in each building of three or more levels. This will give occupants an alternative means of leaving their building and the capacity to treat and evacuate casualties that may result from a major emergency.

Volunteers are now needed to form building Light Rescue Teams for their own building. They need be neither "dare devils" nor "Tarzans" to be able to help their colleagues.

Civil Defence Light Rescue Courses begin in mid-September at Queen Elizabeth II Park and give an ideal grounding for the work. For further information see your Departmental Safety Officer (listed in the 'phone directory) or ring David Johns (Registry 832).

## University Role In Training Of Teachers

The Vice-Chancellors' Committee is considering the role of universities in teacher training in the light of B.Ed. degrees, cross credits for work completed in teachers' colleges and joint teaching of university courses.

The committee reports that its view in general is that the development of degrees and diplomas in education in conjunction with teachers' colleges should be worked out locally by each university.

The committee was told at a recent meeting that the Department of Education, through its Research and Statistics Unit, has been seeking in recent years to develop close working relationships with members of university departments of education and with members of other departments who have an interest in undertaking research on matters of current interest to the department or to the education system. A few research contracts have been let and the department is eager to explore proposals with university teachers that might lead to the letting of other contracts. This is in line with Government policy which seeks to encourage the letting of research contracts to university teachers and, to increase research commitments in the social sciences.

The Department of Education has commented that support is available from the Medical Research Council, which is interested in projects on such topics as child development, health education, health and educational performance and preventive medicine.

The committee nominated the following subject convenors to the Universities Entrance Board: Mathematics: Professor D. Vere-Jones (Victoria) to replace Professor G. M. Petersen (Canterbury) from January 1978; Economics: Professor M. H. Cooper (Otago) to replace Professor J. W. Rowe (Massey) from August 1977; Chemistry: Professor B. R. Penfold (Canterbury) to replace Professor G. N. Malcolm (Massey).

The committee decided that a meeting of Works Registrars will be held in conjunction with the 1978 Registrars' Conference. It considered that as the costs of maintenance and other building services are rising rapidly and as more new buildings are completed, there is a need to examine ways of saving expenditure in this area. The merits or otherwise of standardising university building statistics will also be discussed.

# Academic Visitors

## Vice-Chancellors' List

The following list of academic visitors to New Zealand universities for the remainder of 1977 and early 1978 has been prepared by the Vice-Chancellors' Committee:

### Anthropology

Professor Maurice Godelier, Professor of Anthropology, College de France, French National Fellow 1978; the confrontation of formal economic theories with Marxism; the synthesis of (French) structuralism and Marxism; fieldwork in Papua New Guinea; all universities 26 August to 12 October 1978.

Dr John D. Leroy, Visiting Post-doctoral Fellow, University of British Columbia; dialectical approaches to anthropology, myth and exchange with special reference to the Kewa of Papua New Guinea; to 14 October 1977; Victoria, Department of Anthropology and Maori.

### Botany

Professor Peter Birkeland, University of Colorado, Boulder; Pedology, glacial chronology; June 1977 for one year; Canterbury Botany Department and Lincoln College.

Dr C. J. Marchant, University of British Columbia; Morphology of Pteridophytes; 6-8 months from July 1977, Canterbury, Botany Department.

### Business Administration

Dr Jack M. Feldman, Department of Management, University of Florida, Gainesville; Business Management Research; June to December 1977 Auckland.

### Chemistry

Professor Ronald Mason, FRS, Professor of Chemistry, University of Sussex; Structure and reactions of organometallic compounds, structures of phospholipids, and of artificial and real membranes; metal surfaces and heterogenous catalysis; macroscopic dispersion forces; 22 July to 20 September, Canterbury, Chemistry Department.

Professor H. Prinzbach, University of Freiburg, German National Fellow 1977; Photochemical transformations, carbocyclic and heterocyclic tris-o-homobenzoid/homotropenoid systems, polyelectro electro-cyclisation reactions; 31 August to 15 October; Visiting all Universities.

Dr R. J. Plama, Ass. Professor of Chemistry, Div. of Tech. Mid-Western State University, Texas 1964; Optical rotatory dispersion and circular dichroism of dissymmetric inorganic co-ordination compounds; 9 months, 1977 Victoria, Chemistry Department.

Professor M. Szwarc, FRS, State University School of Forestry, Syracuse; Anionic polymerisation; September, Canterbury Chemistry Department.

Professor G. H. Williams, Professor and Head of Department of Chemistry, Bedford College, University of London; The reactions of organic free radicals; 1 July to 31 December 1977, Auckland, Department of Chemistry.

Professor R. Rasmussen and Professor E. Robinson, Washington State University; Upper atmosphere research; Brief visit in December; Canterbury Chemistry Department.

### Computer Science

Professor Richard W. Hamming, Ajunct Professor of Computer Science, Naval Postgraduate School, Monterey; Computer coding and information theory; 9-13 September, Canterbury Computer Centre.

### Economics

Dr E. L. Porteous, Associate Professor of Management Science, Stanford University School of Business; Operations research, June-August 1977 Canterbury Economics Department.

### Education

Dr H. Bhola, Professor of Education, Indiana University; Adult literacy and education communications; International Reading Assn. Conf. 22-24 August, 1977 Massey.

Dr H. Gilliland, Director of Reading Centre and Professor of Education and Special Education, Eastern Montana College; Remedial reading; International Reading Assn. Conf. 22-24 August 1977 Massey.

Dr S. G. Paris, Associate Professor, Department of Psychological Sciences, Purdue University; Developmental psychology; 11 April 30 September, Auckland, Education Department.

Dr R. Ryan, Director of International Institute for Adult Literacy Methods, Tehran; Adult literacy methods; International Reading Assn. Conf. Massey 22-24 August 1977.

Dr J. Vaatch, Professor Emeritus, Arizona University; Children's reading; International Reading Assn. Conf. 22-24 August 1977.

### Engineering

Dr C. J. Apelt, Reader in Civil Engineering, University of Queensland; Numerical modelling in fluid dynamics and hydraulics, phenomena of bluff body-flows; Until December 1977 Canterbury, Department of Civil Engineering.

Mr M. L. Chambers, Senior Lecturer in the Department of Operational Research,

University of Lancaster; Operations Research, particularly forecasting and statistics; Aug/Sept 1977 Theoretical and Applied Mathematics, Auckland School of Engineering.

Dr C. C. Collins, Associate Professor and Senior Scientist, Smith-Kettlewell Institute of Visual Sciences, University of the Pacific, San Francisco; Visual biophysics; Erskine fellow, Sept-November 1977, Canterbury, Electrical Engineering Department.

Professor Ray J. King, Professor and Associate Chairman for Research and Graduate Affairs, Department of Electrical and Computer Engineering, University of Wisconsin, Madison; Microwave coherent detection systems, modelling of electromagnetic problems, travelling wave propagation over non-uniform surfaces; Erskine Fellow, June-August, Canterbury, Electrical Engineering Department.

Professor Robert N. Meroney, Professor of Engineering, Colorado State University; Wind engineering, wind tunnel modelling, wind power generation; 1 August - 28 February 1978, Erskine Visitor, Canterbury, Department of Mechanical Engineering.

Professor Alexander Scordelis, Professor of Civil Engineering, University of California, Berkeley; Concrete technology, design of plates and shells and large span buildings and bridges; July-August. Erskine visitor, Canterbury, Department of Civil Engineering.

### English

Associate Professor Dr Glynn Barratt, Carleton University, Ottawa; Russian history, social studies, military and naval, 19th century literature; May 1977 - December 1978 Victoria, Department of Russian and Waikato, Department of English.

Dr James E. Nagel, Department of English, Northeastern University; American literature; June to December 1977, Waikato; Professor J. Narveson, University of Waterloo, Ontario; University of Otago, Department of English (exact date unknown).

Professor J. W. N. Watkins, London School of Economics; William Evans Visiting Fellow Otago, Department of English during third term.

### Forestry

Dr V. G. Smith, Professor of Forestry, University of Toronto; Biometrics and yield forecasting; June-November Canterbury School of Forestry.

### Geography

Professor P. Birkeland, University of Colorado; Quaternary stratigraphy and soil

and rock weathering; 12 months from July 1977, Lincoln.

Professor M. Brawer, Department of Geography, University of Tel Aviv; Settlement and political geography; May-November 1977, Canterbury.

Dr B. S. Morgan, Lecturer in Geography, King's College, London; Urban geography especially residential segregation; until November, Canterbury Geography Department.

Professor P. A. Vesilind, Associate Professor of Civil Engineering, and Director of Duke Environmental Center, Duke University; Environmental sciences and engineering; Fulbright visitor until September 1977, School of Social Sciences, Waikato.

### Geology

Professor Seiji Hashimoto, Professor of Petrology at Hokkaido University; Structural Geology and petrology; August-October 1977 Victoria, Department of Geology.

### History

Professor J. Chesneau, University of Paris VII, French National Fellow 1977; Modern China, historiography, French labour history; 26 August - 4 October, 1977, Visiting all History Departments.

Professor J. F. C. Harrison, Professor of History, University of Sussex, University Grants Committee Casual Visitor; Early Victorian political and social history; Late 1977 Otago, Department of English.

Mr L. F. Murphy, Senior Lecturer, Sturt College of Advanced Education, Adelaide; Pacific history, education of the handicapped, historiography; until December 1977, Massey.

### Industrial Relations

Mr John M. Brumm, Education Director, International Association of Machinists; Trade union education; Victoria, Industrial Relations Centre, 1977.

### Law

Mr M. F. B. Reynolds, Lecturer in Law, Worcester College; Contract and international trade; 28 February-mid October 1977, Auckland Law School.

Professor M. Schwartz, Professor and Librarian in the Law Faculty, University of California, MS (Columbia); Legal documents; April 1977 - March 1978, Auckland Law School.

### Mathematics

Dr L. W. Szczesna, Lecturer, Mathematical Institute, University of Warsaw; Foundations of geometry and mathematical logic; May - August 1977, Victoria, Department of Mathematics.

Mr Keith P. Tognetti, Reader in Mathematics at University of Wollongong, NSW; Computing, statistics, numerical analysis, nuclear engineering and mining engineering; July-November, 1977, Canterbury Mathematics Department.

### Philosophy

Professor B. Barry, Nuffield College, Oxford; Touring some Philosophy Departments 1-14 August 1977.

Professor Basil Mitchell, Nolloth Professor of the Philosophy of Religion, University of Oxford; Philosophy of religion and moral philosophy (with special reference to issues concerning morality and the law); July-August Canterbury Visiting Fellow, Canterbury Philosophy and Religious Studies Department.

### Physics

Dr S. Alisauskas, Institute of Physics and Mathematics, Academy of Sciences, Vilnius, Lithuania; Applications of group theory of physical problems; 1 September 1976 to 1 September 1977, Canterbury Physics Department.

Professor Kip Thorne, Professor of Theoretical Physics, California Institute of Technology; Relativistic astronomy and astrophysics, cosmology and gravitation theory; September, Erskine Visitor Canterbury Physics Department.

Professor J. M. Ziman, University of Bristol; Science and society; Social responsibility in science; Solid state physics; British Council Visitor, 29 August. October 1977. Visiting all universities.

### Political Science

Professor Brian Barry, Institute for the Advanced Study of the Behavioural Sciences, Palo Alto, California; Political philosophy; 5-10 August, Canterbury Political Science Department.

Professor John Orbell, Chairman,

Department of Political Science, University of Oregon, Eugene; Formal models of political behaviour; July, Canterbury Political Science Department.

### Romance Languages

Mr M. K. Read, Lecturer in Spanish, Department of Romance Studies, University College of Wales; Linguistics, Mediaeval literature; 1 October 1977 to 30 September 1978, Auckland, Department of Romance Languages.

Associate Professor Dr Glynn Barratt, Carleton University, Ottawa; Russian history, social studies, military and naval, 19th century literature; May 1977 - December 1978 Victoria, Department of Russian and Waikato, Department of English.

### Sociology

Professor Colin Bell, Professor of Sociology, University of New South Wales; Sociology of housing; 7-10 September, Canterbury, Department of Psychology and Sociology.

### Zoology

Professor M. Pavans de Ceccatty, Directeur, Laboratoire d'Histologie et Biologie Tissulaire, Universit e Claude Bernard, France; Invertebrate physiologist; July-August 1977. All universities, French National Fellow. (co-ordinator Professor P. L. Bergquist, Auckland).

Professor F. Rigler, Chairman of the Department of Biology, McGill University; Energy and nutrient cycles in lakes; Department of Zoology, Otago. 14 July - mid-September 1977.

## Canada Tightens Rules

Canada's Manpower and Immigration Minister, Mr Bud Cullen, recently announced changes in immigration procedures affecting the hiring of foreign academics.

From April this year, persons seeking to go to Canada to take appointments at post-secondary institutions, either permanently or temporarily, must have an approved job offer in addition to meeting the normal immigration requirements.

Institutions seeking to hire foreign teachers will also be obliged to demonstrate that the positions they intend to offer to persons who are not Canadian citizens or permanent residents of Canada are thoroughly advertised in Canada. Exemption from this requirement will be made in the case of exchange programme participants and guest lecturers.

"Until now, these institutions, unlike other Canadian employers, could recruit

abroad without reference to the availability of Canadians and landed immigrants," said Mr Cullen. "This situation is no longer justified, given the fact that the number of qualified candidates in Canada for these positions is now in excess of demand in many disciplines."

Mr Cullen indicated that the new measures had been discussed with Provincial Ministers, as well as the Council of Ministers of Education. "I wish to make it clear," Mr Cullen said, "that these measures will in no way interfere with the hiring of candidates on the basis of merit. It will remain entirely up to the universities to judge what candidates are best qualified to fill the academic jobs they are offering.

"However, in view of the large numbers of postgraduates leaving our universities each year, it is only fair to require universities, before they resort to foreign recruitment, to ascertain whether qualified candidates are available on the Canadian market."

# School Standards

## British Vice-Chancellors Concerned

by David Walker  
in *The Times Higher Educational Supplement*.

The ability of first year university students in Britain to cope with work at that level had declined because of schoolteachers' thirst for innovation, a House of Commons select committee has been told.

The Committee of Vice-Chancellors and Principals told the expenditure committee's education and arts subcommittee on the attainment of school leavers that the proliferation of syllabuses and the control of examinations by schoolteachers alone threatened academic standards: more and more time in the first year at university had to be spent on remedial work.

The Association of University Teachers spoke of the tendency in recent years to "relax" standards in A-level mathematics. Professor David King, AUT president, predicted a fourth year of university would be needed to ensure present day degree standards.

In giving the CVCP evidence to the committee, which is chaired by Miss Janet Fookes, MP, Dr Harry Pitt, Vice-Chancellor of Reading University, described a crisis in mathematics teaching caused by a shortage of well-qualified teachers who often were not up to the complicated curriculum development plans that had sprung up in the past decade. The pace of innovation in the school curriculum had been much too rapid, he said.

The CVCP said: "The curriculum has widened considerably with increasing emphasis on optional subjects and those which 20 years ago were not regarded as the concern of secondary education; new styles of teaching and pupil assessment have been adopted; within higher education many new degree courses and combinations of subjects have been introduced with consequent implications for the preparation of sixth formers intending to proceed to degree level work."

What this meant for the universities, Dr Harry Kay, Vice-Chancellor of Exeter University, said, was that professors of mathematics were devoting more of the university degree course to covering basic matter not taught in some schools.

The universities were concerned with the spread of so-called Mode 3 examinations in the schools. These, set and marked by classroom teachers alone, did not guarantee reliability. Dr Clifford Butler, Vice-Chancellor of Loughborough University, said some element of external assessment was needed to sustain standards.

The AUT expressed concern at the

effects of modern technology on school-children. Television, for example, discouraged reading, and calculators affected the willingness of children to learn simple mathematical operations.

The association was also concerned about standards in modern languages. Dr Margaret Májumdar, of Royal Holloway College, spoke of the need to improve the contact of schoolchildren with native French speakers and the apparent increase in the numbers of A-level candidates who had never visited the country whose language they studied.

The total number of school leavers gaining A levels continues to increase, according to figures published by the Department of Education and Science. However, the number of those successful at A level remains at 15 per cent, a constant proportion of the total school-leaving population.

## Ones For The Book

Staffing may be causing concern within the University, but there are others worse off.

At the University of Calcutta there were 31 professors for 178, 176 internal and external students in 1970-71. Giving this little-known fact, the *Guinness Book of Records* says that because of the inadequacy of the buildings and the number of lecturers, the students were handled in three shifts a day.

In 1971 the State University of New York had an enrolment of 166,363 with 8561 teachers. The University of London had 33,599 full-time students in 1971-72, but the figure for staff is not disclosed.

Illam is somewhat dwarfed by the largest university building in the world. It is the M. V. Lomonosov State University on the Lenin Hills south of Moscow. It stands 240 metres tall, has 32 storeys and contains 40,000 rooms.

The decline in numbers specialising in science continues, though there has been an increase in passes in individual subjects such as chemistry, biology and mathematics. There has been a drop of a third in Latin passes in the past five years. French registers a decline in popularity in the sixth forms.

The statistics show that grammar schools, direct grant and public schools provide a disproportionate number of entrants to degree courses. A third of direct grant and public school leavers and a quarter of grammar leavers go to degree courses compared with 1/25th of comprehensive leavers. Degree courses in 1974-75 took one in 14 of all school leavers.

Entries for A levels from further education colleges have doubled for men and tripled for women in the past decade.

(Reprinted by arrangement with *The Times*).

The youngest professor ever appointed, according to *Guinness*, was Colin MacLaurin (1698-1746) who became professor of mathematics at Marischal College, Aberdeen, in 1717. In 1725 he was appointed professor of mathematics at Edinburgh University on the recommendation of Sir Isaac Newton. In 1967 Dr Harvey Friedman was appointed an assistant professor of mathematics at Stanford University at the age of 19.

The youngest undergraduate, *Guinness* says, was one William Thomson (1824-1907), who entered Glasgow University aged 10 years and four months in October 1834. He later became Lord Kelvin, O.M., G.C.V.D.

Compulsory retirement did not apply in the past. One professor, Thomas Martyn (1735-1825) held a chair of botany at Cambridge University from 1762 until his death for 63 years.

# Accommodation

The following flats and houses are available to temporary or permanent staff. Advertisers are asked to notify Ext. 853 when termination of their advertisement is required.

### To let

Three year old fully furnished house with 3 double bedrooms, all electric central heating, two showers, two baths, refrigerator, freezer, fully auto. washing machine, colour TV with remote control, garage room for two small cars, 30.5p. section with minimal care required. Swimming pool 24 x 12. Situated near beach in Rockingham Road. Rent \$70 p.w. Available August for up to 2 years. Phone Mr. P.A. Smith, 881-407.

Unfurnished 3 bedroom house in Creyke Road. Aged but suitable for temporary or short-term use. Singe garage. Quiet back section. Immediate possession. To be let on week-by-week basis. Apply to Supervisor of Accommodation, Registry (Ext. 853).

Hackthorne Road, centrally heated flat, furnished except for linen and cooking utensils, suitable professional woman or mature couple. Long term arrangement preferred (approx. one year). Rental \$30 p.w. Phone 325-138 mornings or evenings.

Fully furnished 3 bedroom house, Cashmere. Central heating and all domestic equipment, garage. Rent \$50 p.w. Available 29 July to 7 November 1977. Lawn care required. Contact Dr Cross, 35-300.

Available from December 1977 to November 1978, three bedroom house in Toorak Avenue, on 26p. section (garden and lawn care required). Has open fire, heaters, shower over bath, fridge/freezer, TV, auto. washing machine and tumble drier, garage. Rent by negotiation. Phone D. C. Johnston, Ext. 8968 or 429-386.

Four-year-old, architect designed Cashmere home, with easy access and splendid view. Furnished (linen if required), 3 bedrooms, separate diningroom, separate shower, central heating, auto. washing machine, garage. Lawn care of small 20p. section required. Available November to July 1978. Rent by negotiation. Contact A. C. Rayner, Ext. 8824 or 33-218.

Two-storey brick house situated just off Illam Road. Three double bedrooms, separate diningroom. Space heater and open fire, double garage. Furnished (some flexibility as to extent). Private back section. Available from August for 6 months or up to 2-3 years. Rent by negotiation. Phone 515-651.

Architect designed house 2100 sq.ft. situated Creyke Road, one double, three single bedrooms, family and living rooms, central heating, 2 baths, TV, auto. washing machine and dryer, garage. Garden or lawn care optional. Available 12 November to 31 July 1978. Rent by negotiation. Contact Professor R. P. Kerr, Maths Department (Ext. 681).

Fully furnished (apart from dining table and chairs) two bedroom home at Pines Beach (20 mins. from University) available 13 August to 17 December. Rent by negotiation. Phone Mrs Feaver, 798-500 Ext. 830) before 3.30 p.m. week days.

Six bedroom furnished house, 56 Armagh Street, (Cranmer Square), available June 1978-January 1979. Two open fireplaces, two bathrooms, nursery, garage, fridge, freezer, auto. washing machine, tumble drier, dishwasher, TV. Garden care and rent by negotiation. Contact Graham Hollobon X8917 or 64-329.

Situated in Aorangi Road, Bryndwr, fully furnished house with two bedrooms and sunroom, open fire and heaters, fridge, freezer, auto. washing machine, garage. Care of 27p. section required. Available 1 September to 30 August 1980. Rental \$45 p.w. Phone 515-690.

Fully furnished house, 3 bedrooms plus sunroom, large kitchen plus 2 large living rooms, auto. washing machine, open fires and electric panel heaters, refrigerator, garage. Fendalton. December 1977 to August 1978. Phone Baggaley, Ext. 725.

Available from 29 August to 3 July 1978, two bedroom house in Westmoreland Place. Furnished (no linen), has separate shower, heaters, fridge, freezer, auto. washing machine, TV, garage. Care of small 16p. section required. Rent by negotiation. Apply to P. J. Carpenter, 598-326.

### Accommodation required

Visiting Professor of Engineering from University of Connecticut requires small well furnished house or flat or town house, preferably within 2 km. of University campus, from 1st week in January to 1st week in July 1978. No children. For further particulars please contact Dr D. Lindley, Mechanical Engineering, Ext. 304.

Unfurnished 2-3 bedroom house required for 6 months from mid-August. Please contact Mr M. H. Zorlu, Social Work Department, Sunnyside Hospital. Phone 385-059 (Ext. 801).

Three bedroom accommodation required for visiting Professor to Geography Depart-

ment from mid-May to mid-November 1978. Please contact Secretary, Geography Department (Ext. 8991) or write Professor J. L. Davies, School of Earth Sciences, McQuarrie University, North Ryde, N.S.W. 2113.

Furnished or semi-furnished house or flat required by two careful males, keen gardeners. Please contact Mr Peake, 488-579.

Mr J. Knock, whose flat was destroyed by fire, requires 1-2 bedroom accommodation from August to December prior to return to Canada. References available if required. Please leave messages with Business Administration Department.

Visiting Professor from Hull, with wife and 13 year old daughter, requires well furnished house/flat with two or more bedrooms, from late January to end of April 1978. Would be prepared to rent home owner's car if available. For further details, please contact Dr Garth Cant, Geography Department (Ext. 8987 or 8991).

Visiting Professor from Rutgers University, New Jersey, requires 2-3 bedroom accommodation from 1 September to 31 January 1978. Please contact Mr A. McCurdy, Sec. Division, Teachers College, Phone 44-058.

University lecturer and family (wife and 2 daughters) wish to rent for 2-3 weeks a furnished house, townhouse etc. for the summer holidays. Actual date to suit availability. Please contact M. Lal, Senior Lecturer in Accounting and Finance, University of Otago, Box 56, Dunedin.

Three bedroom furnished/unfurnished accommodation required for professional family for 2-3 months from 1 September. Please phone Professor G.A. Nuthall, Ext. 8651.

Vicinity Westburn-Illam area, 3-4 bedroom house (preferably unfurnished) required for approximately three months from 3 September 1977. Please contact Mrs McCombs, Phone 588-861.

Three bedroom house required from beginning of January to mid-February 1978. Please contact David Smale, N.Z. Geological Survey, Ext. 593.

### For Sale

Fabulous home in prestige position. 4 bedrooms with built-in robes, spacious lounge connected to formal dining room, kitchen with Dishmaster, and every modern convenience. Additional features include bathroom, separate shower room, 2 toilets, double garage, easily maintained section. Quality furnishings throughout. Architecturally designed by Neil Crawford. Contact D. G. Jenkins, Geology (Ext. 571).

# Notices

## Aiding Refugees

The Vietnamese Association in Christchurch is seeking the help of university staff to raise funds for Vietnamese refugee families when they arrive in New Zealand soon. Staff may help by allowing one of the association's working bees to do odd jobs tidying up a section, cleaning windows, etc. They have a limited supply of their own tools and undertake to do a good job. Contact Mrs Kim Shipp 382-794 (evening) or Mr Bui Sy Tuan 50-592 (evening).

Health Service, for which preliminary applications also close on 1 October 1977.

Further details and application forms for each of the above are available from J. A. Burrows at P.O. Box 6063, Dunedin.

## Airmet Conference

The Australian branch of the Royal Meteorological Society will hold its "Airmet" Conference on 9 and 10 February,

1978 at the Academy of Science, Canberra. The theme will be meteorology and Climatology associated with airborne activities. A brochure about the conference is held at the Enquiries counter of the Concourse, and further information and application forms may be obtained from the Conference convenor: C. E. Wallington, School of Applied Science, Canberra College for Advanced Education, P.O. Box 1, Belconnen, A.C.T. 2616, Australia.

## Maori Scholarships

The Maori Education Foundation is seeking applicants for two scholarships.

The Queen Elizabeth II Postgraduate Fellowship is open to both Maori and non-Maori graduates and has an annual value of \$2,000. The Fellowship shall be awarded for the general purpose of postgraduate research or study. The fellowship is tenable for up to 3 years subject to annual review and depends upon the fellow making satisfactory progress. Copies of the conditions and application forms are available from the Secretary, Maori Education Foundation, P.O. Box 3745, Wellington. The closing date for applications is 1 October 1977.

The New Zealand Law Society Centennial Maori Scholarship, valued at \$600, is available to a person of Maori descent to enable him/her to undertake full-time study in an approved course for a law degree at a university in New Zealand. Copies of the scholarship conditions and application forms are available from the Secretary, Maori Education Foundation, P.O. Box 3745, Wellington. The closing date for application is 1 December 1977.

## Medical Research

The Medical Research Council offers biannually various scholarships and fellowships for the training and support of suitably qualified research workers in the medical and related sciences. The second closing date for applications in 1977 will be 1 October and applications are now being called for this date. The various categories of scholarship and fellowship offered by the Council are: Postgraduate scholarships, Fellowships in biostatistics, Training fellowships, Postdoctoral fellowships, Senior fellowships and Overseas research fellowships.

The Medical Research Council has also been appointed the New Zealand Nominating Committee for the International Research Fellowships of the U.S. Public

## Last Of The Great Education Benefactors?

The announcement of a further gift of £7.5m to the new Cambridge College that bears his name firmly establishes David Robinson as one of the great educational benefactors of all time, alongside such figures as Isaac Wolfson, Henry Ford, and William Morris, later Lord Nuffield.

The former racehorse owner, aged 72, lives the life of a recluse at Newmarket. Four years ago he gave £10m to found the College. Work is well advanced on the building of Robinson College, which will be the first fully coeducational college in the university. Postgraduates will be admitted this October and the first undergraduates are expected to come up in 1979.

Mr Robinson's new gift, announced this month, will ensure that the college has ample endowment. Professor Jack Lewis, warden of the new college, said: "This remarkable extra gift will allow us to move into the very forefront of the college system. It is one of the last, if not the last, of the great benefactors."

With it comes a further £1m for the award of scholarships, studentships and fellowships.

There is in fact a remarkable parallel between the early careers of David Robinson and the other great British educational benefactor, William Morris. Both grew up in the university cities where most of their subsequent endowments were made, Robinson in Cambridge and Morris in Oxford. Both left school at 15 to work in bicycle shops and then established garages.

But while Morris went on to make his fortune by manufacturing motorcars, Mr Robinson became a millionaire from television rentals. He sold his business for £10m

and devoted himself to racing, becoming one of the biggest private racehorse owners in the country.

At one time Mr Robinson owned Kempton Park racecourse and employed three full-time trainers to look after his 150 horses. In 1970 he sold Kempton Park, which he had bought for £756,000, to the Horserace Betting Levy Board and in 1974 he began to withdraw from the racing world and sell off his horses.

David Robinson is a shy, retiring figure. He is better known to devotees of the turf than in the groves of academe, but even within the close racing fraternity he has remained a shadowy figure.

He dislikes intensely any contact with the press and now rarely leaves his Newmarket home. He does, however, derive considerable enjoyment from visiting the site of the college, which is rapidly growing up as a permanent memorial to him. He certainly deserves to be remembered.

(Reprinted from The Times by special arrangement)

## Light Fingered

The theft of electric light bulbs from University buildings is not only mean and petty: it could also endanger staff and students using the buildings at night.

The custodians have been required to replace numerous light bulbs in recent weeks. Lights in stairwells and other exits which would be used in an emergency have been specially vulnerable to theft and their disappearance creates a hazard in these areas.

Social irresponsibility is widely condemned and any person removing light bulbs cannot expect the offence to be excused.