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Chronicle

Rare Book for the Library

The University Library has been given a first edition of Buller's *A History of the Birds of New Zealand* (1873), by Mrs Beryl Lonsdale. This copy of the book belonged originally to Mrs Lonsdale's grandfather, Charles Bigg Wither, and has been in the family since 1873.

Only five hundred copies of the rare first edition of Buller's *Birds of New Zealand* were printed, and they were sold entirely by private subscription. It is a book in a great tradition, doing for New Zealand ornithology what Audubon and Gould did for America and Australia respectively; and it is a work of science, containing descriptions of 147 species, which earned its author a fellowship of the Royal Society of London in 1876. Two of his proposers were Darwin, whom he had never met, and Gould.

The illustrations, which were drawn by an artist called Keulemans who had had wide experience in this work, were reproduced by lithography, and coloured by hand (Buller wrote that after publication "... the drawings on the stones, from which Mr Keulemans had produced the inimitable plates, were then erased"). The illustrations are of great beauty. Not only do they record accurately each species in a living pose, but they also provide in most cases a natural and typical setting.

The book will be added to the Macmillan Brown Collection, and housed in the Special Collections Area of the Main Library.

Mrs Lonsdale has also given the Library an interesting collection of the papers of her grandfather, who came to Nelson as a Wakefield settler with the New Zealand Company in 1843. The papers include a number of early letters which he wrote home describing his first farming activities in Nelson.



Pictured are Mrs Lonsdale and the University Librarian, (Mr Dick Hlavac), with the gift copy of Buller's *Birds*—Photograph by Audio-Visual Aids.

Engineer To Return As Erskine Fellow

A civil engineer who gained his Ph.D. at Canterbury and whose special field now is the application of structural dynamics to the design of structures subject to earthquakes and to structures built in space, will be visiting the University in the first term next year on an Erskine Fellowship.

He is Professor Robin Shepherd, professor of civil engineering at the University of California, Irvine, who lectured in civil engineering at Canterbury from 1959 to 1971, before going to Auckland University as an associate professor for seven years and then becoming founding director of the New Zealand Heavy Engineering Research Association.

Professor Shepherd will lecture in the Mechanical Engineering Department on the load effects of sonic booms on ground level structures, aspects of the dynamic design of astronomical space structures and aspects of the ductile design of steel bolted connections, including the use of energy absorbing spring and sleeve systems.

His recent research has included undertaking projects sponsored by the McDonnell Douglas Astronautics Company on the dynamics of space trusses and by Wyle Research on sonic boom loads. Both involve the integration of astronomical factors with more conventional structural mechanics considerations.

Professor Shepherd gained a B.Sc. honours in civil engineering and an M.Sc. from the University of Leeds and completed a Canterbury Ph.D. while on the staff of the Civil Engineering Department. In 1973 he

Information Requested

The Minister of Education (Mr Marshall) has asked that if members of University staff visit the ASEAN region and speak about the demand for New Zealand university courses, copies of any statements be forwarded to the University Grants Committee for collation and forwarding to the Minister in due course.

Only brief reports are required. It would be of assistance to the U.G.C. if only the relevant sections of more general reports were forwarded.

An Important Message to Travellers

When making airfare inquiries with McCrory and Thomas Travel in Riccarton, please identify yourselves as staff of the University so that McCrory and Thomas can extend their special range of fares to University travellers and their families.

was awarded a D.Sc. in structural dynamics by Leeds.

He was employed on aircraft structural dynamic analysis by de Havilland after completing his first degree and was appointed an assistant structural engineer with the Ministry of Works at Auckland in 1958. He lectured at Canterbury for 13 years and after seven years at Auckland and two establishing H.E.R.A. to provide technical and marketing services to New Zealand industry he joined the staff of the University of California, Irvine, in 1980.

Since then he has been a visiting fellow at Imperial College and at St John's, Cambridge and a visiting professor at Caltech. He has published some 90 papers.

Statistics Expert

Professor Michael Perlman, professor of statistics at the University of Washington, has been awarded an Erskine fellowship to visit the Mathematics Department late this year and early next year. He will give a number of specialist seminars on his work in multivariate statistics and will give lectures to advanced statistics classes.

Professor Perlman, a graduate of Caltech and Stanford, has taught at the Universities of Chicago, Minnesota, British Columbia, Stanford and Washington, has published more than 30 papers and has been editor for the last two years of *Annals of Statistics*.

Staff Exchange Proposal

The Faculty Exchange Center, Pennsylvania, a faculty-administered and non-profit-making organisation, was established in 1973 to help arrange exchanges by providing guidelines for individuals and academic institutions and by serving as a clearinghouse for those interested in teaching exchanges on the college-university level, and housing exchanges for purposes of travel and study at all levels of the teaching profession. F.E.C. is international in scope.

Staff may join F.E.C. for an annual membership fee of \$U.S.7.50. In return they will receive a current teaching-exchange directory and housing exchange supplement, together with registration forms. When the forms are completed and returned, the information will be entered in the next issue of the semi-annual publications, which will also be sent.

The membership fee should be either an international money order or cheque drawn on an American bank, and payable to the Faculty Exchange Center, the address of which is 952 Virginia Avenue, Lancaster Pa., 17603, United States.

U.N. Trade Law Draftsman To Be Canterbury Fellow

A leading American expert on the law relating to the sale of goods and domestic and international trade law will be visiting the University as a Canterbury Fellow in August and September.

He is Professor John O. Honnold, Schnader professor of law emeritus, University of Pennsylvania, and formerly chief of the United Nations Trade Law Branch and secretary of the United Nations Commission on International Trade Law. He was the principal draftsman of the United Nations convention on contracts for the international sale of goods.

He was the subject of a special issue of the *Pennsylvania Law Review* on his retirement in 1984 after 40 years as a teacher.

Professor Honnold is the author or editor of 10 books on commercial and constitutional law, has written numerous United Nations studies and recommendations and published numerous articles and book reviews.

He will lecture to law students on commercial law with particular reference to the United Nations convention.

New Japanese Scholarship

Mr Y. Okamoto, of Kyoto, recently made a donation to the Asian Languages Department and it has been used, as he requested, for the establishment of a travelling scholarship for students of Japanese.

The scholarship will be open to any undergraduate of the University studying Japanese language at Stage III level who wishes to visit Japan, but will not be open to a Japanese national or a person who has spent more than three months in Japan. Preference will be given to students who have not visited Japan before.

The scholarship, tenable normally for a year, is for travel to Japan to enable the holders to advance their study of and acquaintance with the culture and people of Japan. The holder must spend a minimum of two weeks in Japan.

The scholarship will be awarded to the University Council after receiving a recommendation from the Department of Asian Languages. In making the recommendation, the department will have regard to the applicant's academic record and diligence, and the proposed schedule of visits in Japan. The emolument of the scholarship (currently \$750) will be paid to the successful candidate on production of evidence that travelling arrangements have been finalised.

Applications close with the Asian Languages Department on 1 November in the year preceding the award.

Vintage Year For Canterbury

Last year was a vintage year for University scholarship: 43 Canterbury students were offered University Grants Committee postgraduate scholarships, the highest of any university. A total of 155 scholarships was offered throughout the country.

The scholarships, regarded as one of the most significant factors in transforming the liberal arts colleges of the old University of New Zealand into modern universities, are designed to support research. In recent years, Canterbury candidates have won a consistently high share of them—just on 28% in 1985, 20% in 1984, 24% in 1983, 22% in 1982 and 18% in 1981.

Under the postgraduate scholarship system, which is administered by the University Grants Committee, about 150 scholarships are offered for award each year. Funded by the Government, the scholarships are generally awarded for study in New Zealand at Ph.D. level, but a small number of scholarship holders are permitted by the U.G.C. to hold their scholarship whilst studying at an overseas university. Such cases are considered only where research in the scholar's field is not possible in New Zealand and where the scholar has sufficient financial support from other sources. Last year, four scholars, including one from Canterbury, were granted permission to hold their scholarship overseas. In certain cases, scholars may apply to proceed overseas for part of their course of study in order to gain access to facilities not available in New Zealand.

The scholarship emolument is non-taxable and since 1984 has been indexed to cost of living increases, rising when academic salaries rise. The scholarship is currently valued at \$8,000 per annum having been increased from \$6,120 per annum as from 1 January. A supplementary allowance of \$2,000 per annum is available for scholars with at least one child and whose spouse is dependent. Tuition fees and a grant of \$500 towards thesis preparation expenses are also covered by the scholarship.

The scholarships are tenable for up to two and a half years in the first instance with the possibility of an extension for up to six months. The maximum term of three years is considered sufficient for most scholars to complete at least the major part of their research project.

Continued payment of the emolument at the end of each year is dependent upon a satisfactory report from the scholar's Head of Department. Any extension after two and a half years is granted by the University Grants Committee on the recommendation

Postgraduate Scholarship

of the Academic Administration Committee acting on behalf of the Professorial Board.

In terms of the University Grants Committee Postgraduate Scholarship regulations, scholars must devote their full time to their studies and may undertake paid employment only up to a total of 300 hours per year.

Scholars are selected by the University Grants Committee Scholarships Committee at a meeting held in December each year. This committee includes the Chairman of the University Grants Committee and one representative from each university and Lincoln College.

A small number of awards may be made to applicants who gained their qualifying degree outside New Zealand. The remainder are made to candidates put forward by the six universities and Lincoln College, each of which provides a list of recommended candidates in merit order. The U.G.C. Scholarships Committee undertakes the difficult (and delicate) task of determining which candidates should be offered scholarships. The candidates are ranked by the committee mainly on the basis of their academic record with particular emphasis on the grades achieved in the final year of their qualifying course. A report on each candidate by the relevant Head of Department is also taken into consideration.

In the past it has been suggested that this selection procedure should be replaced by one which would involve allocating money to the various universities and allowing them to select their own scholars. However, there has been little support for such a move since it is thought that the U.G.C. Scholarships Committee serves to ensure that standards between universities are maintained.

The number of awards made to candidates from any one university depends not only on the calibre of that university's candidates, but also to some extent on the mental and verbal agility of that university's representative on the Scholarships Committee, particularly when candidates are being ranked near the cut-off line which divides the successful and unsuccessful candidates.

A number of those who are offered

U.G.C. Postgraduate Scholarships are also offered scholarships for overseas study (Commonwealth Scholarships tenable in the United Kingdom or Canada, Cambridge Commonwealth Trust Prince of Wales Scholarships, 1851 Exhibition Science Research Scholarship, Rutherford Scholarship, etc.) and some take these in preference to the U.G.C. scholarship. However, many of Canterbury's most able candidates remain here to pursue their Ph.D. studies and make a significant contribution to Canterbury's research activity.

Last year's successful candidates and the broad spread of disciplines involved, is shown below. There were no candidates from Forestry or Commerce in 1985.

Loader, C. R. (Mathematics); Marker, Sally Ann (French); Livingston, A. G. (Chemical & Process Engineering); Murch, A. R. (Electrical & Electronic Engineering); Wardle, D. A. (Plant & Microbial Science); Brown, P. M. (Law); Manson, P. R. (Computer Science); Nicholls, G. K. (Physics); Woodward, Lianne Jane (Psychology).

Cuttriss, A. M. (Classics); Ewing, G. C. (Computer Science); Thorpe, C. W. (Electrical & Electronic Engineering); Rowe, D. J. (Electrical & Electronic Engineering); Collins, G. P. (Physics); Watson, Fiona Anne (Classics); Lye, Jeanette Ngaire (Economics & Operations Research); Crosbie, P. J. (Economics & Operations Research); Goulter, Christina Jean Monro (History); Rodrigo, A. G. (Zoology).

Short, Nicki Anne (Music); Smith, Keren Muriel (French); Burgess, Vicky Ann (Chemistry); Coates, S. R. (English); Hodgson, P. G. (Mechanical Engineering); Harrison, J. A. (Chemistry); Ryan, S. G. (Physics); Hay, Joanne Mary (Plant & Microbial Sciences); Burgess, Ellen Patricia (Plant & Microbial Sciences).

Waller, A. G. (Chemistry); Murray, R. E. (Geography); Macrae, G. A. (Civil Engineering); Daellenbach, U. S. (Economics & Operations Research); Rainey, P. B. (Plant & Microbial Sciences); Calkin, R. A. (Sociology); Upton, Anne Elisabeth Marcelle (French); Davidson, M. J. (Civil Engineering).

Starling, G. C. (Zoology); Copp, B. R. (Chemistry); Mackenzie, S. D. (Electrical & Electronic Engineering); Won, M. C. (Electrical & Electronic Engineering); Condon, J. M. (Plant & Microbial Sciences); Bushnell, P. R. (English); Lawrence, B. N. (Physics).

High School Board Membership

Staff members who wish to participate in the administration of Christchurch high schools are reminded that vacancies occur from time to time among the University's nominees on the Boards of Governors of these schools.

The Registrar will be pleased to hear from interested persons, whose names may be submitted to the University Council for nomination to high school boards as occasion arises.

People

Recent elections for Professorial Board Committees resulted as follows: Professor B. A. Woods (Mathematics) was elected to the Academic Policy Committee for a period of office ending on 30 June 1987; Dr D. G. Lloyd (Plant & Microbial Science) was elected to the Library Committee for a period of office ending on 30 June 1986 and Professor W. B. Elley was elected to the Joint Board of Studies in Education to 30 June 1988.

Dr H. A. von Biel (Physics) has been awarded an Erskine Fellowship to visit universities and other institutions in Canada, the United States, England, Norway and West Germany in connection with his teaching and research interests. He will be away from 26 July to 10 October.

Miss J. R. Chart (Law) has been granted leave from 1 September to 1 November to enable her to take up a Churchill Fellowship in the United States.

Resignations last month included those of Miss B. Loader, secretarial shorthand-typist in the School of Music; Miss D. Hinton, secretarial shorthand-typist in the Academic & Records section of the Registry; Miss W. J. Moss, secretarial shorthand-typist in Chemistry and Mr S. A. Knight, a technician in Accountancy.

Mr J. H. Acheson (English) will attend a Samuel Beckett conference at the University of Stirling while on leave from 7 to 19 August.

Dr J. E. Cameron (Sociology) will attend the 11th World Congress of the International Sociological Association in New Delhi while on leave from 15 to 26 August.

Mr L. N. M. Edward (Electrical and Electronic Engineering) will attend the Microelectronics '86 Conference in Adelaide while on leave from 9 to 19 May.

Mr F. W. Fahy (Mechanical Engineering) will attend the Materials Technology Congress in Adelaide while on leave from 17 to 23 May.

Dr D. C. Harlan (History) will attend the annual conference of the Association for the Study of Popular Culture in Atlanta, Georgia. He has been granted leave from 24 March to 7 April.

Dr K. Kuiper (English) will attend the 8th Commonwealth Conference in Laufen, West Germany while on leave from 15 May to 22 June.

Dr D. A. Norton (Forestry) will present a paper at Krakow, Poland, and visit the Universities of East Anglia and Edinburgh while on leave from 19 May to 13 June.

Professor L. F. Phillips (Chemistry) will present a paper at the American Chemical Society meeting in Denver and attend an informal photochemical meeting in Boulder Colorado while on leave from 7 to 29 June.

Dr B. W. Pritchard (Music) will attend as editorial-artistic consultant rehearsals and performances of the opera *Andriano in Siria*

Geographer's Canterbury Pilgrimage

Running about the rural fields of Ilam in the 1940s as a member of the Canterbury University College Cross-Country Club is one of the memories revived for Dr Stuart Duncan, a geographer from Monash University, who is spending his last sabbatical before retirement next year on a Canterbury pilgrimage.

Dr Duncan came up to the College in 1940, but undertook active service during the Second World War and did not return to his studies until 1946. He graduated M.A. in 1948. He recalled visiting Ilam when he was a student. The cross-country club often ran from the homestead, then occupied by the well-known amateur naturalist, Edgar Stead, and Dr Duncan has vivid memories of his hospitality, as well as that of staff members like Wolfgang Rosenberg and one of the Rectors, H. G. Denham. He said he much appreciated being elected to honorary membership of the Staff Club during his one-term visit and rather envied the conditions staff here have compared with the Monash Staff Club premises.

Dr Duncan served as a demonstrator before being awarded a postgraduate scholarship, which took him to the London School of Economics. He completed a Ph.D. and was a lecturer in geography at Manchester University from 1951 to 1963, when he went to Monash.

Because he was a New Zealander, it was assumed he knew Australian geography and he taught that at Manchester and subsequently at Monash. His special fields though are agricultural and historical geography and he has a close interest in the agriculture of the two countries as well as in their exploration.

(Antonio Caldara) staged by "Opera 70" in Chichester, England, while on leave from 30 June to 21 July.

Dr H. R. Sirisena (Electrical and Electronic Engineering) will attend the I.F.A.C. symposium on Power Systems and Power Plant Control in Beijing while on leave from 10 to 17 August.

Professor D. C. Stevenson (Mechanical Engineering) will attend "Internoise '86" at MIT, Cambridge, Massachusetts, while on leave from 20 to 28 July.

Dr G. Zanker (Classics) will attend the 14th Australian Society for Classical Studies Conference in Adelaide, while on leave from 23 to 31 August.

When he left Canterbury, Dr Duncan worked with the history branch of the Internal Affairs Department for a time on what was to have been the New Zealand centennial atlas, one of the New Zealand centennial projects under the wing of Professor J. C. Beaglehole. But time passed, centennial euphoria receded and the 1949 National Government shelved the project. Not all was lost, however. The work done helped A. H. McClintock to complete the New Zealand atlas published in 1959. That interest in making atlases continued for Dr Duncan and he edited an Atlas of Victoria for the State Government in 1982.

Slips Of The Pen

Student responses to questions occasionally raise a smile. Herewith some recent howlers from Education. Other departments may wish to contribute.

The punctuality of a test must be accurate.

8 pupils were selected from each docile group.

We need to examine previously completed studies of a similar vain.

Their data revealed more pro than anti-social interactions.

The liability of this study is questionable.

The mean shows that . . . The social deviations show that the range of scores in all categories was not extreme.

Skinner . . . after a series of trail and error responses animals learnt . . .

Halley's Comet is now easily seen from the Mount John University Observatory in the eastern sky before dawn. Binoculars are needed to see it clearly in suburban skies.

Alan Gilmore, technician-observer at the observatory, says the head of the comet looks like a fuzzy star of third magnitude, medium brightness. It is about three degrees long—six full moon diameters.

The comet's brightness should remain about the same. The tail length is expected to increase considerably through March. Dust produced by the nucleus when the comet was close to the sun in February is moving back along the tail. The effect will be enhanced by the comet coming closer to the earth.

At maximum, in the last week of March and first week of April, the tail could be up to 20 degrees long. Moonlight will make the tail more difficult to see between 24 March and 1 April.

The photograph shows the comet's tail as a narrow fan and was taken by Dr Chris Sterken of the Belgian National Science Foundation with a wide-field camera belonging to the University of Brussels. The photo mostly shows the dust tail of the comet. A puff of dust released from the nucleus spreads out into a long streak. The fine dust moves away from the head of the comet fastest. Recently released dust forms the narrow straight tails on the right of the broad diffuse tail. The comet's gas tail is the long, lumpy tail between the broad and fine dust trails.

Alan Gilmore says that as the comet moves through space it cuts across the magnetic field that spirals out from the sun. The head of the comet gathers up the magnetic field lines like a speedboat crossing fishing lines. The magnetic field lines stream back from each side of the head of the comet. The gas shows the concentration of the magnetic field lines. The gap in the middle of the tail is space between the field lines.

When the comet crosses from north-pointing magnetic field lines to south pointing field lines, the gas tail detaches from the comet. World-wide observations of the comet will be combined to monitor these "disconnection events".

Lincoln Post For Graduate

Dr A. E. McKinnon, who gained a B.E. (Electrical) with first-class honours and then a Ph.D. under the supervision of Professor R. H. T. Bates in 1973, has been appointed Director of the Centre for Computing and Biometrics at Lincoln College. After leaving Canterbury he took up a post-doctoral appointment with the National Research Council of Canada in Ottawa. He returned to Christchurch to run the Clinical School's Computer Laboratory and went to Lincoln as a senior programmer-analyst.



Halley's Comet "A Glorious Sight" In 1910

Canterbury's first professor of physics left this account of his impression of the 1910 apparition of Halley's Comet:

"As a boy I saw Donati's Comet; I think it was stretching its scimitar-like form half across the heavens, a most impressive and magnificent sight I then thought it. And again recently, as an old man, I saw in New Zealand the immense straight tail of Halley's Comet send its beautiful glow more than half across the sky.

"It was so fascinating, that its wonder and beauty dragged me up in the small hours during the cold winter, morning after morning, to look at it; I walked long distances to get an uninterrupted view of its rising head. At three o'clock in the morning the light of its broad tail shot up like a white aurora; then, after a time, Venus rose, and detracted somewhat from its beauty; then, three or four hours afterwards, the glorious nucleus rose. It was too close to the sun to show to perfection; soon the light of the advancing dawn cut off a great length of the tail, and presently the rising sun overpowered the comet altogether. I made a sketch of it; and it was surprising how its immensity dwarfed houses, trees, and indeed, all terrestrial objects.

"I hear that the season prevented its being well seen in England; but in New Zealand it was a glorious sight, far transcending anything I had imagined possible, according to any history I had read of its previous visits."

Professor A. W. Bickerton, in his *Romance of the Heavens*.

China Fights Prejudice Against Women

China has opened its first state-run vocational university for women in Hunan province, in southern China. The university, which enrolled its first batch of 160 students recently, has been established specifically to improve higher educational opportunities for women in the province.

In terms of providing better educational opportunities for women, the opening of the university, which offers three-year degree courses in law, economics, construction, tourism and arts and crafts, is a major step forward in a country where female enrolment figures for higher education are still very low (approximately 22 per cent for both universities and colleges combined) and where very large numbers of parents are still strongly opposed to the very idea of giving girls an education.

According to an official estimate published by the State Education Commission well over 3.5 million girls aged between seven and 11 years are deprived of a primary education because parents simply refuse to send them to school. The situation is worst in the outlying areas of the north-west and south-west parts of the country, but even in developed regions and cities attitudes on female education are as fixed as ever, with large numbers of girls being forced to work at home or in family businesses from a very young age, the commission says.

However, the education commission is at present drafting a law which will make nine-year schooling compulsory for all children from early next year.

It was not until 1920 that Peking University accepted China's first women students (nine in all), but while a number of other universities followed the example, progress was slow, and by 1949 only 17.8 per cent (35,000) of China's university and college students were women, and most of these were from wealthy families. At the same time it was estimated that something like 90 per cent of women never attended school and remained illiterate.

While the number of places available in the country's colleges and universities was small, the removal of tuition fees and the introduction of state support for students in need at all levels in the early 1950s did enable a larger number of women to break with tradition by continuing their education either at school, college or university and subsequently enter fields which had formerly been exclusive to males.

But the range of courses and occupations open to women was still very limited. Most women graduated in the arts and it was rare to find female students in many of the sciences and engineering. The only exception was in medicine, where since the

Special University Opens

(By Geoffrey Parkins)

1950s the number of women pursuing six-year medical and four-year pharmacy courses has been consistently higher than men.

In the late 1950s and early 1960s a new type of female intellectual began to emerge in China. Since the Communist takeover in 1949 a large number of women had been working in Government and factory offices. A number of these women were cited by the party for their outstanding contributions, and by way of reward recommended for university courses, usually after a two-year preparatory course.

It was at this time that a number of female architectural graduates from Qinghua University made a name for themselves nationally for the part they played in designing a number of large and impressive new buildings in Peking, and the idea of female higher education and its benefits to the nation received much publicity. Opportunities for women in vocational and technical schools and colleges also advanced rapidly in this period only to be thrown into chaos by the "cultural revolution" between 1966 and 1976.

After 1977, however, women's higher education entered a new phase with an enormous number of women applying for university and college courses in the sciences and engineering. And for the first

time there were more female students in the sciences than the arts.

The advent and proliferation of spare-time and various other off-campus courses of study leading to recognised higher education qualifications in the last few years has clearly been a boon for women's education. But while women's education has come a long way in general terms, progress around the country is very uneven.

Feudal attitudes persist in backward regions and a glance at the 1982 census shows that the vast majority of China's 80 million illiterates (below the age of 40) were women, and the numbers of women graduating from the established universities and colleges is still very low according to recent reports.

Discrimination against women is still widespread in institutions of higher learning. In some universities, for example, entrance examination grades required of women are higher than those required of males and a large number of courses remain closed to female applicants.

While the overall figures for university enrolments rose to their highest ever last year (1.16 million), the number of female applicants dropped to their lowest since 1979.—(Reprinted by special arrangement from *The Times Higher Education Supplement*).

Fulbright Fellow Teaching Writing Skills at Victoria

Dr Richard Young, professor of literature and rhetoric at Carnegie-Mellon University, Pittsburgh, Pennsylvania, believes writing as a means of communication and the use of writing as a means of learning are fundamental to all disciplines.

Professor Young, who is a visiting Fulbright fellow at Victoria University, said: "If we want to introduce students to a more sophisticated participation in a discipline we need to encourage them to think in more sophisticated ways. Writing is one important aid in doing this. We need to consider the use of writing in all disciplines as a way of teaching that discipline".

That does not mean teaching writing as a separate activity, or as a separate part of a course. Deciding to use writing, not only or even primarily for assessment purposes, but as a principal means of learning, is the crucial step to take.

Finding ways to develop "writing across the curriculum" in consultation with interested staff at Victoria will be a major part of Professor Young's work. Besides a seminar for staff and consultation with individuals and departments, he will pro-

bably conduct a course for honours and graduate students on dissertation writing, which offers a way of studying the conventions of language and argument characteristic of different disciplines.

Professor Young says writing and thinking are bound up closely with each other. "Thinking is a linguistic activity. Writing lets us engage in a kind of thought that is otherwise difficult or impossible—sustained, linear, logical thought," he says.

Work on disciplinary ethnolcts—the way propositions are argued in a particular discipline, the kinds of evidence that are considered compelling, the principles for organising discourse, the vocabulary and even style—has been another outcome of these convictions.

Professor Young has worked consistently across disciplines. In research he has collaborated with specialists in linguistics and cognitive psychology. In teaching, administration, and curriculum development he has worked with academic staff in the major business disciplines, engineering, biology, psychology, mathematics, history and literary studies, and with secondary school teachers.

Big Research Grant For Chemists

The research of Dr Murray Munro and Dr John Blunt (Chemistry) into marine sources for the isolation of antiviral and anti-tumour agents will be advanced by a further substantial research grant from the American Harbor Branch Foundation Inc. and Sea Pharms Inc. (U.S.A.).

The grant, of \$187,500, was a substantial proportion of the nearly \$340,000 worth of research grants reported to the University Council at its March meeting. Other grants were:

From the Miss E. L. Hellaby Indigenous Grasslands Research Trust, a grant of \$12,511 to Dr D. G. Lloyd (Plant and Microbial Sciences) for a study of the reproductive biology of species of snowgrass in the Canterbury mountains.

From the National Roads Board, a grant of \$6,000 to Dr A. J. Nicholson (Civil Engineering) for an accident study of the Christchurch southern arterial road.

From the Medical Research Council of New Zealand, a grant of \$18,794 to Dr J. Abrahamson (Chemical and Process Engineering) to study the connection between blood turbulence and atherosclerosis.

From the Department of Scientific and Industrial Research, a grant of \$15,390 (2 years) to Dr A. L. J. Cole (Plant and Microbial Sciences) for a study of eyespot disease.

From the Department of Education, a grant of \$3,000 to Dr B. D. Haig (Education) to show the application of scientific method to science education and educational research methods.

From the Department of Scientific and Industrial Research, a grant of \$2,500 (2 years) to Dr J. D. Bradshaw (Geology) to study the geochemistry of mid-Cretaceous sandstones.

From the Wool Research Organisation of New Zealand, a grant of \$7,600 to Dr R. M. Hodgson (Electrical and Electronic Engineering) for development of texture analysis methods for monitoring wear in wool carpets.

From the Alcoholic Liquor Advisory Council, a grant of \$3,500 to Dr W. A. M. Black (Psychology) for a survey of Marlborough employers concerning alcohol-related problems in the workplace.

From the Department of Scientific and Industrial Research, a grant of \$28,000 (2 years) to Dr D. Kelly (Plant and Microbial Sciences) to study the population dynamics of nodding thistles.

From the New Zealand Concrete Research Association, a grant of \$2,350 Dr J. Dean (Civil Engineering) to undertake sawn timber beam tests.

From the Department of Education, a grant of \$6,640 (2 years) to Dr A. G. Alton-Lee (Education) for studies in the learning and teaching of children.

From the National Roads Board, a grant of \$5,700 to Dr A. J. Nicholson (Civil

Engineering) to improve knowledge of accident count variability.

From the Robert C. Bruce Trust, a grant of \$5,000 to Professor G. B. Sweet (School of Forestry) to explore the forms of forestry development which would be most beneficial to deprived rural communities.

From the National Roads Board, a grant of \$47,850 (3 years) to Professor R. Park (Civil Engineering) to study ductile behaviour of bridge columns under seismic loading.

For Sale

Clipper caravan 14 ft, 4-berth, 1966 model, awning, gas cooker and bottle \$2200 o.n.o. Contact: A. Parr 8822 or 588-562.

Sunburst sailing dinghy sell. Very good condition with launching trolley. 3 sails and many extras. \$1100 o.n.o. Phone 31-474, evenings.

Flats To Let

One-bedroom well-furnished flat to let at \$130 a week from 1 June to 20 August; large lounge and kitchen big enough for meals with table seating for four; in block of 10 (owned by occupants) walking distance from city; no garage; no children or animals allowed by other owner-occupants in block. Suitable for post-doctoral research fellow. Single. Phone 792-537 (home) or 717-219 (business).

Flat to let, Cashmere. Early/mid May to mid/late September. Actual dates to be negotiated. Two bedrooms, fully furnished flat. Near Sign of Takahe, Internal garage, magnificent views, underfloor heating. Two cats already in residence and hoping to remain. Further details from Don Crabb, Rural Development & Extension Centre, Lincoln College.

House To Let

Fully furnished brand new architecturally designed house to let. Two double and two single bedrooms, located in Cass Bay (35 minutes from Univ.) on 10 acres of rural land with stream and established trees. Available 11 May '86 to 11 May '87. Rent by negotiation. Contact W. Barit X664 or 288-985.

Flatmate

Flatmate (Professional 25-35) required to share house and garden. Walking distance of the University and available beginning of May. Please phone: 481-329.

Staff Vacancies

Secretary-Typist (Fine Arts)

Applications are invited from suitably qualified, experienced persons for the above position in the School of Fine Arts.

Applications, including full details of work experience, copies of qualifications and testimonials, and a telephone number, close on 2 April with the Registrar.

Typesetter (Part-Time)

The University Printery has a vacancy for a part-time Typesetter to operate a Compu-graphic keyboard setting a wide range of work. The hours of work will be 3½ per day at a time of day to be negotiated. Good conditions and salary.

Applications, including full details of work experience, copies of testimonials, and a telephone number, close on 21 March with the Registrar.

Uni-Card

Passport To Price Reductions

UNI-CARD is a multi-purpose key to valuable price concessions. It is supported by many large organisations such as Dunlop N.Z., Wilson Neill, Budget Rent-A-Car, GRE and Group Health Society.

The normal \$18 for subscription will be reduced to \$9 for staff and \$6 for students. A Club or other organised group which makes a single payment for ten or more subscribers may retain one third of the total to supplement organisation funds.

The UNI-CARD secures price reductions on items such as:— Wines-Ales-Spirits, Electrical, Household and Personal Goods, Tyres and Batteries, Rental Vehicles, Travel Insurances and Overseas Travel, Insurances for:— House and Contents, Car and Boat, Caravan and Trailer, Private Health Care, Income Protection, etc.

ESPRIT: Box 32-167 Auckland 9
FREEPOST 1024 Ph: 451-731

I/We enclose \$..... for
Subscriber(s)

Name: Group attach list

Address:

University: Dept.....Sta/Stu?

Homes Wanted

Urgently required homes for 2 loveable fawn and white kittens, 5 months old, and 3 ginger male cats, 16 months old. Please contact Ext. 809 Registry or 482-210 evenings.

Notices

Geography Research Grant

Applications for research grants from the Geographical Society (Canterbury branch), will close on 31 March. The fund for this grant was raised by the branch from society members, geography graduates, and associates during 1973 to commemorate the University Centennial. It is used to assist candidates for a Master's degree in Geography who are likely to incur heavy personal expenses in research for their theses.

Applications should be made by letter to the Registrar. Full details of expenses should be given and receipts included. A letter of recommendation from the candidate's Head of Department will be required.

Watkins Trust Appeal

A 50,000 pound appeal has been launched from the Scott Polar Research Institute, Cambridge, for the Gino Watkins Memorial Trust. This fund was established in memory of a remarkable young man who, although only 25 when killed in Greenland in 1932, had nevertheless changed the course of modern Polar exploration. Today the Trust is the principal means of perpetuating his inspiration in new generations of young people. Over the last decade it has been able to assist 92 expeditions with over 500 members participating.

The primary objects of the Trust are to increase knowledge of polar regions through scientific exploration and to develop an understanding of the difficult conditions governing life and travel there. Such undertakings stimulate personal qualities of leadership and teamwork, often under arduous conditions, which remain with individuals for the rest of their lives. Cheques drawn in favour of the Gino Watkins Trust may be sent to Mrs Ann Stainton, Honorary Appeal Secretary, Scott Polar Research Institute, Lensfield Road, Cambridge, CB2 1ER.

Butterworth Travel Award

Applications are invited for the Butterworth Travel Award from law students of the University of Canterbury who are eligible to enrol for the degree of Ph.D. and who intend to pursue a postgraduate course in law at a university outside New Zealand. The award is intended to assist the successful candidate to meet travelling expenses. Application forms are available from the Scholarships section, the Registry, with which applications close on 1 April.

MacGibbon Fund

Applications are invited for grants from the Alison MacGibbon Fund. The closing date is 31 March. The fund is to assist students in their studies at the University of Canterbury, who would otherwise by reason of their financial circumstances be unable to do so or be seriously handicapped in doing so. Applications, giving full details of financial circumstances, should be made either by letter to the Registrar, or on the relevant form which may be obtained from the Scholarships section of the Registry.

Lester Fund

Applications for grants from the Lester Fund will close on 31 March.

The fund is used to assist candidates for master's degrees who have incurred heavy personal expenses in research. Claims can be considered only for expenses incurred by the closing date for applications. The total grant awarded to any student from the fund will not normally exceed \$200.

Applications should be made by letter to the Registrar. A letter of recommendation from the candidate's Head of Department will be required.

Holmes Bursary Fund

Applications are invited for grants from the Gertrude Ardagh Holmes Bursary Fund. The closing date is 31 March.

The regulations are printed on pages 105 and 106 of the 1984 University of Canterbury *Awards Handbook* and provide that preference be given to students undertaking a medical course. Regulation 2 states: "The bursaries shall be for the purpose of assisting students of ability and good character to commence or to continue their studies at the University of Canterbury, who would otherwise by reason of their financial circumstances be unable to do so or be seriously handicapped in doing so."

Applications, giving full details of financial circumstances, should be made either by letter to the Registrar or on the relevant form which may be obtained from the Scholarships section of the Registry.

Freemasons Bursaries

The Grand Lodge of Antient, Free and Accepted Masons of New Zealand is offering three bursaries to full-time students at the University of Canterbury who are entering the final year of their first bachelor's degree, a bachelor's degree with honours or a master's degree. Applicants must be New Zealand citizens.

Further information and application forms may be obtained from the Scholarships section of the Registry. Applications close on 31 March.

\$1000 Commerce Scholarship

Applications are invited for the Association of Accredited Advertising Agencies Scholarship from students at the University of Canterbury who are commencing their final full-time year of study for a Bachelor of Commerce degree. The scholarship, which is valued at \$1,000 per annum and tenable for one year, is to assist students who wish to make a contribution to the advertising profession in New Zealand.

The successful candidate will be expected to consider employment in the advertising agency industry, to communicate with the association at least once a term to advise progress and results and to prepare a paper on an appropriate subject for presentation at one of the Association's annual meetings.

Further information and application forms are available from the Scholarships section of the Registry. Applications close on 31 March.

A.C.C. Office In Christchurch

The Accident Compensation Corporation has now completed the decentralisation of its claims-handling function. Accordingly it will no longer be necessary for staff going on overseas study leave to seek approval for cover from the head office in Wellington.

In future all such requests, or any other inquiries in respect of staff who take study leave overseas, should be directed to the regional office at the Accident Compensation Corporation, 242 Manchester Street, P.O. Box 13-350, Christchurch. Telephone: 791-408 or 791-405.

Lee Foundation

Applications are invited for assistance from the Lee Foundation, which offers financial aid to a limited number of deserving students from Singapore and Malaysia studying in New Zealand who have successfully completed at least one year of studies at the University of Canterbury.

Students seeking this assistance require a supporting letter written in English from a justice of the peace, minister of religion or a responsible official of a welfare or academic organisation in Singapore or Malaysia, attesting to the student's financial circumstances which would justify his application for assistance. This letter should be forwarded to the Registrar as soon as possible and should be marked "Lee Foundation". Application forms and further details are available from the Registrar, to whom application forms must be returned by 31 March.