

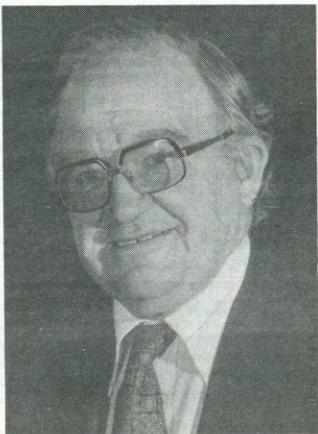
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UNIVERSITY OF CANTERBURY

# Chronicle



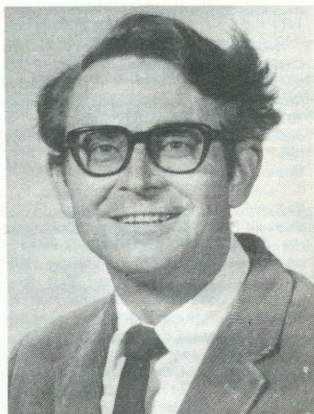
Dr W. C. Clark, who has been appointed Head of the Zoology Department for a five-year term in succession to Professor G. A. Knox. Professor Knox tendered his resignation from the headship of the department earlier this year and Dr Clark will take up the position next year.

## Extra Performance Of "Carmina"

Carl Orff's masterwork *Carmina Burana* will be performed by the University Choir and Orchestra on Sunday 6 August in the Great Hall, Arts Centre (the old University Hall).

*Carmina* has apparently been a box-office success ever since its first performance in 1936, and it seems the University's will be no exception. Only a few seats are still available for the 3 p.m. performance and to cater for the demand there will be one extra performance commencing at 7.30 p.m. on the same day Sunday, 6 August. Admission is by programme (adults \$2, students and children \$1), obtainable from the School of Music.

The work is an exhilarating setting of a number of 13th century poems—the songs of the wandering students, ecclesiastics and rogues who forsook their universities and monasteries for the life of the high road and the tavern. Written in a mixture of low Latin and low German, the lusty and licentious poems deal with springtime, drinking and love.



Professor W. E. Willmott, who has been appointed Head of the Department of Sociology from 1 February next year. Sociology will become a separate department from Psychology on the retirement of Professor A. Crowther at the end of January. Professor Willmott has been appointed for a three-year term.

## Nobel Prize-Winner As Erskine Fellow

Is the world really made of quarks, leptons and bosons? The physicist who proposed the quark hypothesis will answer the question when he gives a public lecture in the University on Tuesday 19 September.

He is Professor Murray Gell-Mann, professor of theoretical physics at the California Institute of Technology and a Nobel Prize-winner in physics, who will be visiting the University in the second half of September as an Erskine Fellow.

In addition to the public lecture, Professor Gell-Mann will give two faculty lectures on the search for unity in particle physics and three technical lectures on gauge theories including supergravity.

Professor Gell-Mann won the Nobel Prize

for physics in 1969 for his development of the strangeness theory. In 1953 he proposed that certain sub-atomic particles possess an invariant quality (which he called strangeness) that was conserved in strong and electromagnetic interactions, but not in "weak" interactions. The "law of conservation of strangeness" that he enunciated explained a number of peculiarities in the behaviour of short-lived, heavy, artificially-produced strange particles. The notion of conservation of strangeness was essential to later symmetry schemes for classification of strongly-interacting particles.

In 1961 Professor Gell-Mann announced a new system of unified classification of strongly interacting particles which he called the eightfold way and confirmation came a few years later by experiment. The omega-minus particle, which had been predicted by the eightfold way, was found in 1964.

Professor Gell-Mann, who was educated at Yale and M.I.T., has been a member of the Institute of Advanced Study, Princeton, and a teacher at the University of Chicago. He was appointed R.A. Millikan professor of theoretical physics at the California Institute of Technology in 1967. He has been a visiting professor at numerous universities, six of which have awarded him Sc.D. degrees.

He is a fellow of the American Physical Society, a member of the National Academy of Sciences, vice-president of the American Academy of Arts and Sciences and chairman of the Western Center, American Academy of Arts and Sciences. He has published nearly 90 scientific papers and is co-author of *The Eightfold Way* (1964).

Professor Gell-Mann's leisure interests include historical linguistics and wilderness trips.

# Professorial Board Committees

The following persons have been appointed to the Professorial Board committees listed below. The Vice-Chancellor is a member ex officio of all Board committees and is chairman of the Academic Policy and Academic Staffing Committees.

**Academic Administration:** Deputy-Chairman of the Professorial Board, Professor J. A. Ritchie, (chairman); Professor A. Crowther (term of office ends 31 December 1978), Vice-Chancellor's nominee and deputy chairman; the Deans of all Faculties—Dr P. J. Perry (Arts); Dr F. F. Robinson (Science); Professor A. G. Williamson (Engineering); Professor P. J. McKelvey (Forestry); Professor R. A. Caldwell (Law); Dr H. E. Reed (Commerce) (Mr George during Dr Reed's absence on study leave August 1978 to February 1979); Mr T. J. Taylor (Music and Fine Arts). Executive Committee: The chairman and the deputy chairman; secretarial enquiries: Mr A. W. Hayward (Registry 871).

**Timetable committee:** Dr J. Austin (Convener) for Dean of the Faculty of Science; Deans of all Faculties, or their nominees; Records Officer (ex officio); secretarial enquiries: Mr D. M. Towns (Registry 866).

**Drafting Committee:** Dean of the Faculty of Law; deputy chairman of the Professorial Board; secretarial enquiries: Mr A. W. Hayward (Registry 871).

**Academic Policy:** The Deputy-Chairman of the Professorial Board, Professor J. A. Ritchie (deputy-chairman); four members elected by the Professorial Board—Professor J. M. Soons, Professor G. W. O. Woodward, Professor B. R. Penfold, Professor A. G. Williamson; two lecturers' representatives, elected by lecturers from among the lecturers' representatives on the Board—Dr R. P. Bond, Dr J. E. Fergusson; Vice-Chancellor's nominee, Mr F. G. Tay; secretarial enquiries: Mr A. C. Wildbore (Registry 864).

**Academic Staffing:** Five members elected by the Professorial Board—Mr N. S. Roberts, Professor T. E. Carter, Professor F. P. S. Lu, Professor I. R. Wood, (Deputy-chairman), Professor B. A. Woods; two lecturers' representatives elected by the lecturers—Dr A. W. S. Baird, Dr A. J. Sutherland; Vice-Chancellor's nominee, Professor J. Vaughan; secretarial enquiries: (until August) Mr Metcalfe (Registry 826), (from September) Mr C. S. Kernahan (Registry 813).

**Audio-visual Aids:** Elected representative, Arts Faculty, Mr B. Wearing; elected representative, Science Faculty, Dr W. J.

Baggaley; elected representative, Engineering Faculty, Mr J. E. C. Shearer; elected representative, Faculty of Music and Fine Arts, Mr J. E. Cousins; Vice-Chancellor's nominee, Professor F. P. S. Lu (Chairman); the Librarian (ex officio) or his representative; the Audio-Visual Aids Officer (ex officio); the Educational Advisory Officer (ex officio); the Buildings Registrar (ex officio); secretarial enquiries: Mr J. K. Moir (Registry 867).

**Computer Facilities:** Professor B. J. Clarke, Professor J. K. Bargh (Chairman), Dr P. C. Forer, Professor R. A. M. Gregson, Dr W. T. Robinson (Vice-Chancellor's nominee), the Director, Computer Centre (ex officio); the Registrar (or his deputy), ex officio; Head of Department of Computer Science (ex officio); two representatives from Lincoln College, (Professor J. B. Dent and Mr N. S. Mountier); the Chairman of the Computer Users' Group (ex officio); secretarial enquiries, Mr J. Puddle (Engineering 300).

**Discipline:** Mr B. D. Jamieson (Deputy, Dr T. J. Seed); Professor J. Arrillaga (Deputy, Dr G. V. Orange); Vice-Chancellor's nominee, Professor J. F. Burrows (chairman), (Deputy, Dr G. F. Orchard); President of the Students' Association (1978: Mr M. Lee) Deputy, his nominee being a member of the Students' Association (1978: Mr Parry); One student, with a deputy, nominated by the Students' Association (1978: Mr Waite); secretarial enquiries, Mrs Barnes (Registry 873).

**Library:** Professor J. F. Burrows, Professor K. K. Ruthven, Professor L. F. Phillips,

## Letters To The Editor

Sir,

I should like strongly to endorse the comments of Colin Burrows about chattering in the Library. I have been concerned and annoyed by this for some time and indeed wrote to the Library Committee early this year, because I thought it needed the efforts of those more regularly in the Library than I. However, I am sure that it is getting worse and it is obvious that only a concerted effort by all concerned will help. I, for one, shall now be emboldened by the knowledge that my concern is not a quirk peculiar to me to overcome my natural reluctance to speak to offenders.

Yours etc,  
Marie Peters  
Senior Lecturer in History.

Mr F. G. Tay, Professor W. D. McIntyre (chairman), Professor T. Paulay, Dr J. D. Bradshaw (Vice-Chancellor's nominee), the Librarian (ex officio), student representative (1978: Mr McCombie); secretarial enquiries: Mr J. K. Moir (Registry 867).

**Publications:** Professor B. R. Penfold, Mr M. J. Hailstone, Professor K. K. Ruthven (chairman), Dr I. Catanach, the Librarian (ex officio), Mr A. N. Brooks (Editor); in attendance: Mr M. Rogers (Whitcoulls) and Mr A. J. Tizzard (Whitcoulls); secretarial enquiries: Mr J. Puddle (Engineering 300).

The following have been appointed to the Professorial Board of Studies:

**Journalism:** Professor R. A. Caldwell, Professor J. C. Garrett (chairman), Professor W. K. Jackson, Professor G. W. O. Woodward, the Senior Lecturers in Journalism (ex officio), Mr M. Smyth (Manager TV2, Christchurch), Mr M. Forbes (Editor *Christchurch Star*), Mr N. L. Macbeth.

**Joint Board in Environmental Sciences:** Canterbury Representatives: Professor G. A. Knox, Professor P. J. McKelvey, Dr M. C. Crawley, Dr N. J. Peet, Dr R. S. Bedford (Vice-Chancellor's nominee), Lincoln Representatives: Mr K. A. Ackley, Mr G. A. G. Frengley, Professor A. P. Mulcock, Professor G. T. Ward; Principal's Nominee: Professor R. H. M. Langer.

**Board of Liberal Studies:** Dr R. G. Cant, Dr D. F. Robinson, Professor M. P. Hartshorn (chairman), Mr B. Wearing, Professor L. D. Bancroft (deputy-chairman), Professor W. E. Willmott, Professor H. J. Simpson (Vice-Chancellor's nominee), the Director of Extension Studies (ex officio).

Sir,

After the sixteenth useless circular in two days, can I ask the Registry why it believes this University must feed on an endless flood of paper? Why do we all have to receive our own personal copies of Faculty minutes, agendas, diaries and each central directive when in each case one copy for the departmental noticeboard would do just as well? A little more economy would not only release wasted secretarial hours for better things (e.g. Library funds) but would also save us all from disappearing under a mound of waste paper.

E. J. Pawson  
Geography Department.

[Pity the poor administrator. The last complaints received were that too little was being sent out. The paper war is being reduced by incorporating a number of notices into each issue of the *Chronicle*. Even this has caused complaints. Ed. *Chronicle*.

# Drama

## "Romeo And Juliet" For Theatre Royal

One of the brightest aspects of theatrical activity in Christchurch in the years just after the Second World War was the work of the University's student players under the leadership of Dame Ngaio Marsh in productions at the Little Theatre and later at the Civic

Although student work has continued with great vigour ever since, the advent of television, the rise of numerous other amateur societies, the establishment of a professional theatre, and, especially, the shift of the University from the city centre have somewhat dimmed the importance of university drama in the city's consciousness.

To show Christchurch that the old spirit is still alive, the University Drama Society has decided to take the courageous step of mounting its major production for 1978 in the Theatre Royal.

*Romeo and Juliet* is the play, a work ideally suited to a university company. It demands youth, athleticism, wit, intelligence, physical beauty and sexuality.

The size of the theatre demands a spectacular approach. The large, mobile set is made up of seven moving towers which assemble in various combinations to form the streets of Verona, the ballroom, the Capulet tomb and, of course, the balcony. The costumes, in colours ranging from russet for the Capulets to blue-grey for the Montagues, are based on the lovely paintings of everyday fifteenth century life that are to be found on the sides of Florentine wedding chests.

Phillip Norman has written a full-scale orchestral score which includes a ravishing pavane to be danced at the Capulet ball and some tender love music to set the atmosphere for the unsurpassed love scenes between Romeo and Juliet.

Eric Hooper, who designs and directs, has had a long and intimate association with

Mr J. F. Nelson, of Havelock North, a former director of Hawke's Bay Forests Ltd., has presented a copy of John Evelyn's *Sylva*, published in 1679, for permanent loan to the School of Engineering Library. It will be kept in the rare books collection.

Mr Nelson studied forestry in Britain after the First World War. He purchased the book then not because of its historical importance to forestry, but because it contained a good recipe for cider.

*Romeo and Juliet*. He made his professional debut in Zeffirelli's celebrated production of this play at the Old Vic and acted in it for two years. The song, made famous by the film version, was written for him especially by Nino Rota.

Although this production, because of the resources and cast available, is very different from that he appeared in at the Old Vic, Eric Hooper says that he cannot help but be a little influenced. Some of Zeffirelli's solutions to the problems presented by the text were so brilliant that it would be folly to avoid them for the sake of some spurious originality.

Romeo will be played by Paul Bushnell and Juliet by Tomascita Edgerton.

*Romeo and Juliet* remains the greatest expression of the glory of young love in this, and perhaps any, language. It is a play that everyone takes to their heart. Its passion and violence make it a piece that is adored both because it is Shakespeare and in spite of the fact it is Shakespeare.

The season will be 28 July to 12 August with 5 p.m. matinees on Fridays. Tickets (\$4, \$3 for students, senior citizens and groups and \$2 for school parties) may be booked at the Town Hall and Students' Union.

## Poetry Readings Continue

The English Department's lunch-time poetry readings before the mid-year recess were interrupted by what one lecturer mysteriously described as "staffathons" in aid of Telethon.

But the series is continuing on Wednesday at 1.10 p.m., with poetry of the Americas last and week and "Over the hills and far away"—personal selections by three retiring members of the staff—last Wednesday.

The programme for the remainder of the term is:

26 July: Poetry by, for and about children.

2 August: Poetry from prison.

9 August: Food and poetry.

The readings are in Room 401, English-Education building.

## Privacy And Computers

Professor A. S. Douglas, professor of computational method at the London School of Economics, will be visiting the Computer Centre at the beginning of August.

He will give a University lecture on "Computers in Education" at 4 p.m. on Tuesday 1 August in Room E1, address the Canterbury branch of the New Zealand Computer Society on 2 August and give a public lecture on "Individual Privacy vs State Security" in Room A3 at 8.15 p.m. on 2 August.

Professor Douglas has been associated with computers since 1950 when he worked at Cambridge on EDSAC 1. He set up the computer laboratory at the University of Leeds in 1957 and became interested in the applications of computers to business problems, an interest which led him to enter commerce as technical director of the British subsidiary of C-E-I-R, now Scientific Control Systems. He later initiated the European software interests of Leasco

Systems and Research. He has been a consultant to various U.N. agencies and to several international companies. He was also expert adviser to a select committee of Parliament on science and technology and is a director of the Monotype Corporation.

Since 1969, Professor Douglas has been at the L.S.E., where he is engaged in developing the teaching of systems analysis and the application of computers in the social sciences.

He is a founder member of the British Computer Society and has held many offices in it. He was vice-president of I.F.I.P., the international computer co-ordinating body. He has published more than 50 papers on topics in atomic physics, crystallography, the solution of differential equations, computer design, programming and operational research in the shipbuilding, oil, chemical, mining, engineering and transport industries.

Professor Douglas will be one of the keynote speakers at the sixth national conference of the New Zealand Computer Society, which will be held in Auckland 16-19 August.

# Academic Visitors

The following list of academic visitors to New Zealand universities during the latter half of 1978 has been compiled by the Vice-Chancellors' Committee:

## Accounting

Dr E. L. Schafer, Professor in Accounting, Pacific Lutheran University, Tacoma, Washington; Ph.D. (Organisation and Management), University of Nebraska; Certified Public Accountant; 15 May - 30 September, Massey University.

Mr T. S. Walter, lecturer, Department of Accounting and Finance, University of Western Australia; accounting theory and modern finance theory; 1 August to 6 October; Auckland.

## Anthropology

Professor Sir Raymond Firth, Professor Emeritus of Social Anthropology, London School of Economics; social anthropology; July to October, Auckland; 22-31 August, Otago.

Professor Maurice Godelier, Professor of Anthropology, Collège de France; 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.

## Biochemistry

Professor K. Burton, FRS, Professor of Biochemistry, University of Newcastle-upon-Tyne; molecular biology, RNA turnover in micro-organisms; September-December, Otago (William Evans Visiting Professor).

Dr C. N. A. Trotman, Lecturer, Department of Physiology, University of Newcastle-upon-Tyne; isolation of viable cells of different types and their application to model system for studying the control of synthesis and secretion; August 1978 to July 1979, Otago.

## Botany

Dr Michael K. MacPhail, Postdoctoral Fellow VUW; palaeoecology, evolution of present-day vegetation and climates in mid-latitudes of the Southern Hemisphere from the end of the last glacial period; 1-2 years, from February 1978, Victoria.

## Business Administration

Professor Charles R. Scott, Jr. Professor of Management Science, University of Alabama (Faculty Exchange participant); production management, case research and small business management; until December, Otago.

## Chemistry

Dr Sam Logan, physical chemist, New University of Ulster, Northern Ireland; Visiting Lecturer 1978 at Canterbury. From February 1978, Canterbury.

Dr G. D. Reynolds, lecturer, School of Chemical Technology, South Australian Institute of Technology; protein synthesis

and studying current methods of teaching biochemistry here; 10 months—commencing February 1978, Massey.

Dr R. J. A. Rodrigo, Professor, Chairman, Department of Chemistry, Wilfred Laurier University, Canada; organic research; 23 January to 31 August, Auckland.

Professor F. S. Rowland, physical chemist, University of California, Irvine/Visiting Erskine Professor 1978; radiation chemistry, isotopic labelling processes, environmental chemistry of fluorocarbons; September-October, Canterbury.

Associate Professor B. J. Welch, Head of Department of Industrial Chemistry, University of N.S.W.; electrode kinetics; June-August, Auckland.

## Classics

Professor E. Badian, Harvard University (Vice-Chancellors' Committee Casual Visitor); ancient history; 28-31 August, Otago.

## Computing Science

Professor A. S. Douglas, professor of computational methods, London School of Economics; computer applications in social sciences, computers in developing countries, word-processing, computerised printing; about 28 July Otago, 1-3 August, Computer Centre, Canterbury.

Professor Patrick C. Fischer, Head, Department of Computer Science, Pennsylvania State University; theory of computation; computational complexity data-base systems; 6 July - 2 August. Department of Computer Science, Canterbury.

Professor S. Michaelson, Professor of Computer Science, University of Edinburgh; undergraduate computer systems, undergraduate teaching programs, numerical analysis; several days in August, Computer Centre, Canterbury.

Professor J. E. L. Peck, University of British Columbia; computer languages; Computing Centre, Winter Term, Otago.

## Economics

Professor P. C. B. Phillips, Professor of Econometrics, University of Birmingham; econometrics; July to September, Auckland.

Professor R. Phillips, University of Birmingham; September, Otago.

Professor E. Tower, Associate Professor of Economics, Duke University; internal trade and finance, monetary and economic theory; July 28-29, Otago.

Dr Ivan Illich, Cidox, Mexico; 13-15 August, Otago.

## Education

Dr David Best, University of Swansea; philosophy of the arts, especially literature, drama, visual arts, dance and human movement; 2 weeks in late September, Otago.

Dr J. Irvine, senior lecturer in education, University of New England; educational

psychology and special education; March-December, Education Department, Canterbury.

Mr Keith McConnachie, Flinders University, Western Australia; aboriginal studies; July-December, Otago.

Professor J. Nisbet, Visiting Professor, University of Aberdeen; comparison between rural education in Scotland and N.Z.; recent developments in teacher education; 1 July to 15 September, Waikato.

Professor M. S. Smart, Fulbright research professor; Education Department, Massey, October 1978-February 1979.

Professor R. C. Smart; Fulbright research professor; Education Department, Massey, October 1978-February 1979.

Dr N. E. Wallen, Professor of Interdisciplinary Studies, Department of Education, San Francisco State University; education research, educational psychology; 19 July to 22 August, Auckland.

## Engineering

Professor Carl Hanson, Professor of Chemical Engineering and Pro-Vice-Chancellor, University of Bradford; solvent extraction and mass transfer; 7 August to 10 November, Chemical Engineering Department, Canterbury.

Professor C. F. James, Professor and Chairman of Industrial Engineering, University of Rhode Island; industrial engineering; 1979 academic year, Massey.

Professor D. H. Norrie, Professor of Mechanical Engineering, University of Calgary, Alberta; application of finite element methods to problems in fluid mechanics; May to August, 1978, Canterbury Civil Engineering Department.

Dr R. P. Singh, Assistant Professor, Department of Chemical Engineering, Indian Institute of Technology, Kanpur; thermodynamics; May 1978 to May 1979 Chemical Engineering Department, Canterbury.

Dr J. C. R. Turner, University Lecturer in Chemical Engineering, and Fellow Pembroke College, Cambridge; kinetics and chemical reactor design, thermodynamics and applied electrochemistry; 26 June - 19 August 1978, Chemical Engineering Department, Canterbury.

## English

Professor D. H. Curnow, University of Manitoba; 18th Century English Literature; 1 June - 30 November, Waikato.

Dr M. D. Davin, Oxford University Press, about 29 August, Otago.

Mr Peter Dronke, Lecturer in Mediaeval Latin, University of Cambridge, Fellow of Clare Hall; literature of the European Middle Ages; 12 August-9 September, Victoria.

Mrs Ursula M. Dronke, Reader in Ancient Icelandic; Icelandic Sagas, 12 August - 9 September, Victoria.

Associate Professor Dr Glynn Barrett, Carleton University, Ottawa; Russian history, social studies, military and naval, 19th Century literature; To December 1978, Department of Russian Victoria and Department of English, Waikato.

## Forestry

Mr G. N. Baur, Chief Silvicultural Research Officer, Forestry Commission of N.S.W.; multi-use forestry; 22 May - 22 November, Forestry School, Canterbury.

## Geography

Professor J. L. Davies, Professor of Geography, Macquarie University; coastal studies; May-November, Geography Department, Canterbury, and Otago.

Professor T. Koaze, Meiji University, Tokyo; glacial geomorphology; October, Otago.

Professor Mayland Parker, Department of Geography, Arizona State University; aspects of economic development and values—primarily architecture and economic geography; February-November, Waikato.

Dr N. V. Pears, University of Leicester; biogeography; Third term, Otago.

Dr R. Ramachandran, Reader & Acting Head of Department of Human Geography, University of Delhi; man and environment, regional and urban systems and models, spatial diffusion models and computer analysis and mapping; May - November, Massey.

Dr C. Taylor, Assistant Professor of Geography, Trent University Canada; watershed management; January-August, Geography Department, Canterbury.

Dr L. W. Wright, Queen Mary College, London; coastal geomorphology, mid-July, Otago.

## Geology

Dr Robert Perrin, lecturer in soil science, Department of Applied Biology, University of Cambridge; pleistocene deposits and soils; November 1978-March 1979, Victoria.

Professor Werner Schreyer, Institut Mineralogie, Ruhr University, Bochum, visiting special guest lecturer; July 26-28 Victoria, Early August, Otago.

Dr Terua Watanabe, Department of Geology and Mineralogy, Hokkaido University, Japan; experimental studies on greywacke melting and production of rhyolite liquids; September 1978-October 1979, Victoria.

## German

Herr Christopher Meckel, a young German author from Berlin; 15-18 September, Otago.

## History

Dr Shula Marks, Reader in History of South Africa, University of London, (Vice-Chancellors' Committee Casual Visitor); South African history; 25 July-4 August. All universities.

Professor S. J. Woolf, Professor of History and Chairman of Department, University of Essex (Vice-Chancellors' Committee Casual Visitor); Italian and German Fascism; 10-30 July, All Universities (except Massey).

## Languages

Professor Robert Kaplan, Professor of Applied Linguistics in the University of S. Calif., (Vice-Chancellors' Committee Casual Visitor); applied linguistics, English as a second language; 12 July-4 August, All Universities.

Dr Beata Sitarz-Fitzpatrick, University of Toronto; mediaeval languages and literatures in French, Provençal, Catalan and Spanish; mid-August to mid-October. French Department, Canterbury.

Mr M. K. Read, Lecturer in Spanish, Department of Romance Studies, University College of Wales, linguistics, mediaeval literature; to 30 September 1978, Auckland.

## Law

Professor Dieter Giesen, Professor of Law at the Free University of Berlin and President of the International Family Law Association; family law, medico-legal matters; Either end of September or beginning October 1978, Canterbury.

Professor Jean C. Love, professor of law, University of California School of Law, Davis; corporation law, federal jurisdiction and torts; 15 November - 15 December, Victoria.

Associate Professor Osborne, Faculty of Law, University of Manitoba; contract law; to 12 August, Auckland.

## Marine Science

Dr Gloria S. Moreira, Institute of Biosciences, University of Sao Paulo; marine zooplankton; 4-30 August, Portobello Marine Laboratory, Otago.

Dr Sandra Shumway, University College of North Wales (Postdoctoral Fellow); physiology of invertebrates; March 1978-February 1979 Portobello Marine Laboratory, Otago.

## Mathematics

Dr E. A. G. Armour, lecturer in applied mathematics, University of Nottingham; atomic and molecular quantum mechanics; 1 October 1978 - 31 January 1979, Auckland.

Dr N. I. Fisher, research scientist, C.S.I.R.O.; 1 August 1978-7 January 1979, Auckland.

Dr R. E. Heverly, associate professor of mathematics, Mansfield State College, Pennsylvania; mathematics; 1 September to 1 May 1979, Massey.

Dr T. G. Raghavan, lecturer in mathematics, Thiagarajar College of Engineering; topology; to 11 August, Auckland.

## Philosophy

Dr G. Currie, University of London and

University of California (Postdoctoral Fellow); August, Otago.

Professor P. K. Feyerabend, Professor of Philosophy, University of California; philosophy of science; 12 July to 4 August, Auckland.

Professor David Gallop, Trent University, Canada; first term 1979, Otago.

Mr J. L. Mackie, Parelector in Philosophy, University College, Oxford; third term 1978, Otago.

Professor K. Segerberg, Professor of Philosophy, Abo Akademi, Finland; logic and ethics; 1 August to 13 September, Auckland.

## Physics

Dr M. J. Bowman, Associate Professor of Physical Oceanography, Marine Science Research Centre, State University of New York; oceanography (will be taking part in a facet of the Maui Environmental Development Study); 1 July 1978 to 28 February 1979, Auckland.

Dr L. G. Earwaker, Lecturer and Manager of Dynamitron Radiation Centre University of Birmingham; reactor and applied radiation physics; July-December, Auckland.

Dr L. L. Fifield, Research Officer, Department of Nuclear Physics, Oxford; nuclear physics; 1 June to 30 November, Auckland.

Professor Charlotte F. Fischer, Professor of Computer Science, Pennsylvania State University (Visiting Erskine Fellow); computation of the properties of atoms, aspects of computation in oceanography, multi-configuration computations of oscillator strengths, author of *Introduction to Programming the IBM 1620 1964* and *The Hartree-Fock Method for Atoms* (1977); 1-31 July, Canterbury.

Professor Murray Gell-Mann, Robert Andrews Millikan Professor of Theoretical Physics, California Institute of Technology and Nobel prizewinner in physics 1969; (visiting Erskine Fellow); General interests in the basic structure of matter including supergravity; originated strangeness theory, theory of neutral K mesons, the eightfold way theory of symmetry in elementary particle physics, proposed the quark hypothesis, general interest in the basic structure of matter including supergravity; 17-28 September, Canterbury Physics Department.

Dr John B. Swan, Reader in Physics, University of Western Australia; atomic and molecular physics; to December, Otago.

## Political Science

Professor Anthony King, Professor of Government, University of Essex; comparative politics electoral studies, British politics; To late August, Department Political Science, Canterbury; Third term, Otago.

Professor Stuart Woolf, Professor of

(Continued on next page)

# New Courses

## Drama And N.Z. Studies

Two new interdisciplinary courses on New Zealand studies (The Great Depression) and drama (European Tragedy) at second-year level have been approved by the Professorial Board for 1978.

The drama course, which will be limited to 30 students, will cover the literary, philosophical and practical aspects of the tragic tradition in the European theatre from its origins in Attic drama to the most recent developments in Western Europe. Examination will be exclusively by in-term assessment and practical work will be required. It will be a 12-point course and the prerequisite is any 36 points.

The Great Depression, a six-point course, will study culture and society in New Zealand in the thirties and will include history, political science, economics, sociology, Maori, art history and literature.

The co-ordinator of the course, Dr P. A. Simpson (English) said that by approaching the subject from an interdisciplinary angle it was hoped not only to throw light on key issues, both past and present, but also to

explore the potential of interdisciplinary studies within the New Zealand (and New Zealand university) setting.

"Ideally the interdisciplinary approach offers a multiple vision of reality," he said. "It breaks down certain artificial barriers between one discipline and another, while at the same time drawing on the expertise of the traditional disciplines. To some degree the course is experimental and if it proves successful may lead to further developments along similar or compatible lines. In future years 'The Great Depression' might well be replaced by other topics in New Zealand studies, not necessarily involving the same staff or the same departments."

There will be one lecture and a tutorial each week. Two essays will be required, each worth 25 per cent of the final mark and there will be a three-hour final examination worth 50 per cent of the final mark.

Lecturers will be Dr Simpson, Dr K. P. Clements (Sociology), Mr B. H. Easton (Economics), Dr P. D. Evans (English), Mr J. N. Mane (Art History), Ms Margaret Orbell (Maori), Dr L. E. Richardson (History), and Dr R. P. G. Steven (Political Science).

## Academic Visitors *(Continued from previous page)*

History, University of Essex; Fascism and Italian politics; 15-30 July (approx.), Political Science, Canterbury.

Professor Harman Ziegler, Professor of Politics, University of Oregon; politics; 1 Week September, Political Science, Canterbury.

### Psychology

Dr W. Doise, Professor of Experimental Social Psychology, University of Geneva; social psychology; 1 July to 30 September, Auckland.

Professor David Stea, School of Architecture and Urban Planning, University of California; contribution of environmental cognition to house forms and settlement patterns of traditional societies, problems encountered by Maoris in transition from traditional to modern settlement patterns; to August, Waikato.

### Sociology and Social Work

Professor Maurice Godelier, College de France (see Anthropology).

Professor D. A. Hansen, Visiting Professor, Department of Sociology and Associate Professor Graduate School of Education, University of California, Berkeley; socio-economic trends and counsellor training

programmes, contexts and processes of adolescent prejudice, family relationships and patterns of parenting; To 30 September, Massey.

Professor B. Schlesinger, Head, Faculty of Social Work, University of Toronto; social welfare; 1 September 1978 to 31 July 1979, Auckland.

### Zoology

Dr J. A. Benson, Research Assistant, Department of Zoology, University of Cambridge; rhythmicity in animals and their computer stimulation; to 31 August, Auckland.

Professor Rainer Foelix, Chairman, Department of Cell Physiology, Bochum University; the sense organs of spiders; 10 August to 2 September, Otago.

Dr Hubert Saint Girons, Centre National de la Recherche Scientifique, France; herpetologist with interest in tuatara and problems of hibernation, ecology, behaviour, histophysiology, taxonomy; Visiting N.Z. 28 November-15 December. At VUW Zoology Department. 4-9 December.

Dr Stephen R. Goldberg, Whittier College, California; ichthyologist and herpetologist, reproductive cycles; July-August, Victoria.

## Vice-Chancellor To Head Foundation

The Vice-Chancellor has been appointed chairman of the Australia-New Zealand Foundation, a new organisation established this month to strengthen trans-Tasman relationships.

Announcing the appointment, the Acting Minister of Foreign Affairs, Mr Adams-Schneider, said Professor Brownlie's experience as professor of economics and chairman of the Monetary and Economic Council would stand the Foundation in good stead at a time when economic issues were of major importance in the bilateral relationship between Australia and New Zealand. The Foundation would also focus on a range of social and cultural matters.

The other members of the Foundation's Board will be Mr Ken Futter, former Secretary of Trade and Industry, and Mr Egan Ogier, a chartered accountant, of Wellington. Ex officio positions have been reserved for the Secretary of Foreign Affairs and the Australian High Commissioner.

Agreement to set up Foundations in both Australia and New Zealand was reached by the Minister of Foreign Affairs (Mr Talboys) and the Australian Prime Minister (Mr Fraser) during their talks in March.

## Computer Centre Wins Golf

A young computer operator with a devastating No. 4 iron was the principal agent in the award of the Ilam Hackers' Trophy to the Computer Centre at a staff golf tournament held at Russley during the mid-year break. Thirty-six golfers took part and prizes were presented by the Vice-Chancellor as follows:

Departmental trophy: Computer Centre. Best scores. A grade: Bob Taylor. B grade: Michael Lines. Longest drive: Bill Schroeder; Nearest pin: Nigel Laing. Hole in two: Peter Bryant. Most honest golfer: Michael Sykes.

Mr A. K. Shepherd, bursaries clerk in the Registry, and his wife Blanche will be leading a 66-strong contingent of New Zealand square dancers to the First Canadian National Square and Round Dance Convention between 6 August and 10 September.

# Study Leave

## Advantages Seen In Australia

A suggestion that some academics consider spending their study leave in Australia was made by Dr R. N. Hughes (Psychology) in a report on leave he spent mainly at the University of Adelaide.

"Overall, I gained the impression that Australia has much to offer to biological (and other) psychologists in terms of study leave facilities," he said. "There are many of the research advantages of British and American universities, such as up-to-date scientific equipment, good libraries etc. without the same financially crippling effects of high costs of living.

"This is not to say that living in Australia is no dearer than in New Zealand. In South Australia the cost of daily food requirements and accommodation is relatively dearer, but other commodities (which concern one on study leave) such as electricity, gas, clothing, purchase and running of cars, are considerably cheaper. One must remember that the marked disparity between Australian and New Zealand academic salaries is further accentuated by the difference in the currency exchange rate between the two countries. Consequently it would be futile to expect comparability of life style with one's counterparts in Australian universities with only considerable expenditure of personal finances in addition to leave allowances and salary."

He said the Mediterranean climate, diversity of ethnic groups, attractive city lay-out and flourishing wine industry made his stay in Adelaide extremely pleasant. The large number of cheap, locally produced wines of excellent quality (particularly reds) encouraged a pattern of daily life which was not possible in New Zealand. "When we first arrived in Adelaide it was trendy to drink white wines only," he said. "This resulted in a glut of reds which was reflected in their amazingly cheap prices—2½ litres of quaffing wine for around \$2.00 compared with \$2.25 for an equivalent volume of beer.

The University Printer (Mr W. E. Boyle) will participate in this year's world piping championships in Edinburgh. He has been invited to join the Queensland Irish Pipe Band for the championships and will also compete in solo piping events. Earlier this year Mr Boyle won the Australasian champion of champions piping title for the second time in two attempts.

"Overall, I found my study leave in Australia both enjoyable and academically worthwhile," Dr Hughes said. "I doubt if my goals could have been achieved any more satisfactorily elsewhere and would urge my colleagues to consider Australia as a financially preferable alternative to North America or Britain, for the family person.

## Attractions Of California

The use of bicycles and skateboards by students impressed Dr B. A. Fineran (Botany) when he visited the University of California Santa Barbara campus on study leave.

He said the campus of U.C.S.B. was delightfully situated on a low mesa immediately above the shore on a site that was an Air Force base during the second world war. Like the prefabs at Canterbury, a few of the "temporary" wooden buildings of this era persisted. The buildings were otherwise modern, architecturally pleasing and set out in pleasant grounds that had a sub-tropical appearance.

"One of the noteworthy features of the grounds is the provision of cycle paths to all points of the campus. Of the approximately 14,000 students, most ride bicycles to and from campus and between the various buildings on site. Satchels and brief cases are rarely seen as books and lecture notes are invariably carried in small back-packs consistent with the two-wheeled population. Skateboards are also a means of transport for some students, although they are frowned upon by the authorities.

"Because of the extremely mild climate of Santa Barbara, even in the wet winter season, student dress is very casual although tidy. In contrast to what I recall when I briefly visited U.C.S.B. in 1969 the untidy long-haired element has virtually disappeared and along with it so has student unrest. Whereas in 1970 students at U.C.S.B. burnt the local Bank of America in Isla Vista today they were more concerned with their studies and were largely apathetic towards political issues. Judging from comments in the general press, this non-involvement of students in political issues seemed to apply throughout much of the United States," he said.

Dr Fineran was accompanied by his wife and two pre-school children. "While the

There would certainly seem to be little scientific advantage in going beyond Australia as far as biological and many other forms of psychology are concerned. A better acquaintance with our cross-Tasman neighbours could help dispel the local myth that anything of scientific value will only be found in the northern hemisphere!"

allowance provided by the University might have been adequate had I gone alone, taking the family resulted in a considerable financial burden," he said. "Apart from the additional airfares, we found the cost of living in England very high. Where we had been spending a \$1 on basic items of groceries, meat and vegetables in New Zealand before we left, our bill for these was about double in England. For example: when we arrived in Oxford potatoes cost \$0-30 lb, and milk \$0-20 a pint. We found accommodation at Oxford both scarce, expensive and of poor quality. For a small 2-bedroom bungalow with its own garden in a nearby village we were paying £20 per month (excluding gas and electricity) and for this amount the standard of furnishing was no better, or worse, than the average student flat in Christchurch (as I recall them from my student days 20 years ago.) Transport costs are also high in England. Railways are twice as expensive as buses but twice as fast.

"In California the cost of living was also high but there was a better range of food and goods available and often at competitive prices. In general, we spent no more, and sometimes less, on food in California than we did in England. Rents, however, were considerably higher in Santa Barbara with a 2-bedroom furnished apartment costing \$325 per month (The Santa Barbara area is not representative of the U.S.A. since its mild climate makes it a sought after area.)

"The cost of running a car in California was only a fraction of the cost in England with an equivalent gallon of petrol (super) costing approximately 75 cents in California and \$1.50 in England. However, Americans still complained. An added expense in California was pre-school education. Whereas our four-year old had been able to attend a local kindergarten in Oxford for a nominal sum, it cost us \$60 a month to give her pre-school education in California comparable to her kindergarten experience in New Zealand.

# Notices

## Lincoln College Foundation

The Lincoln College Foundation, established to mark the College's Centenary, will make travel and study awards to applicants or nominees to undertake specific projects which will contribute to the development of New Zealand's agriculture and related industries.

Applicants are invited from each of the following groups:

- practising farmers or others working directly with the land;
- those engaged in the servicing of primary production in fields such as contracting, chemicals and fertilisers, commerce and finance, machinery and transport, processing and marketing;
- those engaged in teaching, research and extension in agriculture and related fields.

Individuals may be nominated by other persons or by institutions.

Application forms and information relating to the awards may be obtained from the Registrar, Lincoln College. Applications and nominations close on 30 September 1978.

## Rhodes Fellowship For Women

St Hilda's College, Oxford, is inviting applications for a Rhodes Fellowship tenable at the College for two academic years beginning 1 October 1979. The Fellowship is open to women below the age of 35 who are of postdoctoral status or comparable academic standing. She will undertake research in a subject which can profitably be studied at Oxford and may also undertake a limited amount of teaching. Free board and lodging and a stipend £2,660 per annum, plus travel.

Applications close with the Principal, St Hilda's College, Oxford on 31 January 1979. Further details are available from the Registry (Miss Perry Ext. 700).

## Grants For Research Assistants

Applications are invited from members of staff wishing to obtain grants for research assistants for the period 1 October 1978 to 31 March 1979.

Applications should be made on the appropriate form, stocks of which are available in the Registry Concourse. Applications should be sent to the Registrar (Accounts Section) through the Head of the Department and should reach the Registry by Friday 14 August 1978. Enquiries to be made to Mr J. R. Davies, Registry Accounts, (ext. 717).

It should be noted that grants made in June 1978 (reference 78/2/x) are available only to pay for services rendered up to 30 September 1978 and this should be taken into account when applying for grants for this next period.

Applications will again be called for in January 1979 for the period 1 April to 30 June 1979.

Staff are advised that for a fair assessment of their applications they should

provide information about their project and, if it is a continuing project, information about results already obtained. An applicant who has more than one project for which he seeks support should include such projects on one form and place them in order of priority.

The fund is intended for research assistants and not to meet costs which could normally be charged to departmental funds.

## Students' Film Impresses

A leading American film critic called it a work of genius; Howard McNaughton described it in *The Press* as an impressively professional achievement; and those who saw it in the University this week warmly confirmed the critics' views.

It was a 50-minute film of Janet Frame's *A State of Siege* which brilliantly and economically captured the mood and atmosphere and the complex emotions of Miss Frame's novel though it is by no means a literal translation. It was produced by Timothy White, an honours student in the School of Fine Arts and directed by another student, Vincent Ward, as an examination submission. Now it is destined for sale overseas, possibly to television companies and also through film festivals.

Introducing the screening, the head of the school, Professor H. J. Simpson, said film had been introduced in 1971 largely as a result of the enthusiasm of Mr M. V. Askew and this year 10 students were taking the option. Making films was an expensive business and students who undertook them

showed a good deal of courage. *A State of Siege* cost about \$16,500, much of which had been met by grants from the Education Department, the interim Council for Film and the Queen Elizabeth II Arts Council, but there was also a large personal investment.

In fact the film is a remarkably cheap production. Shot in the North Island, it tells the story of Malfred Signal, played by a Wellington actress, Anne Flannery, a middle-aged woman whose life has been devoted to teaching art to girls and nursing an ailing mother. On her mother's death she moves "up north" to try to make a new life; but her expected freedom is merely another constraint. Loneliness and fear envelop her and lead to her death.

The film has minimal dialogue, setting the mood instead with visual richness, sounds and a haunting musical score composed by John Cousins.

Another film by Mr White, this time with David Coulsen, also of the School of Fine Arts, will be screened by TV-1 on Monday evening at 9.40 p.m. In *The Last Segregation* they examine the practice of confining the aged to institutional care.

## Study At Cambridge

St John's College, Cambridge is inviting applications for a Commonwealth Fellowship for the year 1979-80. The Fellowship affords a scholar on leave of absence from a Commonwealth University the opportunity to pursue his own study and research as a member of a Collegiate Society. The Fellowship entitles the holder to a room in College free of rent and an honorarium at the rate of £500 a year.

Applications should be made to the Master, St John's College, not later than 15 January 1979. Full details are available from the Registry (Miss Perry Ext. 700).