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### SCIENCE

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* Institute Affiliated with the University.
AGRICULTURE AND FORESTRY

A. AGRICULTURAL ECONOMICS AND EXTENSION

LIST OF RESEARCH STAFF

Professor: VACANT

Senior Lecturers:
J.W. CARY
H.S. HAWKINS
D. MacLAREN
L.R. MALCOLM

Lecturers:
M.S. HARRIS

Research Fellow:
R.L. WILKINSON

Tutor:
D. HONYBUN

Senior Associate:
N.H. STURGESS

Professor Emeritus:
A.G. LLOYD

RESEARCH IN PROGRESS

MODELLING OF ATTITUDE AND BELIEF CHANGE

Investigations of communication effects in cognitive space - J.W. Cary
Modelling changes in social beliefs related to land use - J.W. Cary
Development of a monitoring system of the landcare ethic - J.W. Cary
and R.L. Wilkinson

RURAL LAND USE

Social aspects of land management for conservation and salinity
control - J.W. Cary
History of agricultural land use in Australia - J.W. Cary

FARM MANAGEMENT ECONOMICS

Taxation and Farm Management - D.Honybun and L.R. Malcolm
Farm Management in Australia in the 1990's - L.R. Malcolm
Economic evaluation of crop rotations in the Victorian Mallee -
L.R. Malcolm and M. Cotter
Economic evaluation of crop sequences and land degradation in mixed
farming in North Eastern Victoria - A.Kennelly and L.R. Malcolm

EXTENSION EDUCATION

Agricultural extension education in less industrialised countries -
H.S. Hawkins
LandcareNET - an electronic information system for landcare groups
across Australia - H.S. Hawkins and G.M. Rimmington
Extension aspects of the cereal game - a strategic crop management package for Australia - H.S. Hawkins and G.M. Rimmington

INDUSTRY PRODUCTIVITY

Productivity of meat processing in Victoria - L.R. Malcolm

AGRICULTURAL POLICY

Studies in agricultural finance in China - Cheng Enjiang and L.R. Malcolm
Economic aspects of rural research - A.G. Lloyd and M.S. Harris
Role of agriculture in the Australian economy - A.G. Lloyd and L.R. Malcolm
An economic analysis of the structure of the Australian wheat export industry - D. MacLaren

INTERNATIONAL TRADE

An analysis of the changing direction and composition of Australia's exports of agricultural products - D. MacLaren
Recent developments in the theory of international trade and their relevance for the analysis of agricultural protectionism - D. MacLaren
Direct and indirect benefits to Australia from subsidising rural research in developing countries - M. Harris, D. MacLaren and D.E. Tribe
The process of agricultural policy reform in Australia and the European Community - D. MacLaren

PUBLISHED WORK

Articles


Reports


THESES PASSED FOR HIGHER DEGREE

Master of Agricultural Science

EWERS, C. - Innovation in response to environmental problems

THESES IN PROGRESS

Doctor of Philosophy

BASUNO, E. - An economic study of draught power in Indonesia
CHENG, ENJIANG - Studies in agricultural finance in China

Master of Agricultural Science

AKORO, P. - Assessing the performance of contact farmers in the Training and Visit system of agricultural extension in Bendel State, Nigeria
AZIZ, A. - Profitability of new investment in coconut production in West Java
BACH, F.N. - An investigation of rural land management from production and environmental perspectives
BAKARUDDIN I. - The role of albizzia tree-crop production in small-holder farming in East Java
BEEL, A.J. - Modelling attitude change in agricultural extension programmes
CAHYONO, E.D. - Farmers' perceptions of new rice technology in East Java
COTTER, M. - Evaluating changes to crop sequences in farming systems in the Victorian Mallee
CRAVEN, W. - Farmers' perceptions of agricultural science writing
DISSANAYAKE, I. - Decision techniques for analysis of integrated cropping decisions in Sri-Lanka
Dwyer, G.M. - Modelling the policy process in the Australian dairy industry
Falase, I. - Adoption of improved technologies by tomato growers in Oyo State, Nigeria
Gardner, M. - A study of the adoption of new irrigation technology
Hill, K. - An assessment of the potential role of biotechnology research in economic development of LDC's
Honybun, D. - Tax implications for farm management
Ibrahim, A.M. - An analysis of the Nigerian import substitution policy for wheat and rice
Kennelly, A. - Development of a budgeting framework for the analysis of cropping rotations
Lee, S. - The development of South East Asian markets for Australian agricultural exports
Lovell, J.R. - Prospects for value-adding in Australia's agricultural exports
Margelis, S. - Exporting Australian beef with special reference to Japan
MwangoLO, A. - The effectiveness of the Training and Visit system in Kilifi District, Kenya
Ogutto, T. - An evaluation of a training scheme for field extension agents in Kenya
Omodara, F.A. - The role of women in rural development in Ondo State, Nigeria
Soejatminah, S. - Economic and financial viability of oil palm plantation cropping in Irian Jaya

Substantial Grants Received

Australian Special Rural Research Grant, Agricultural research policy analysis and formulation.
Grains Research and Development Corporation, The Cereal Game.
Land and Water Resources Research and Development Corporation, Development of a monitoring system of the landcare ethic.
National Soil Conservation Program, LandcareNET development.
B. ANIMAL PRODUCTION

LIST OF RESEARCH STAFF

Readers:
R.G. BEILHARZ
K.S. CHEAH

Senior Lecturers:
J.H.C. HOLMES
P.E. HUGHES

Lecturer:
R.D. SAINZ
B.J. HOSKING

Emeritus Professor:
N.M. TULLOH

Senior Research Fellows:
G.D. HUTSON
R.M. DIXON

Research Fellows:
Y.S. KIM
F. N. NOWNIAZ
A.J. PEACOCK

Senior Research Assistant:
A.M. CHEAH

Senior Tutor:
H.M. MILLER

Tutors:
S. LEE
J. GILL

Senior Research Associates:
A.C. DUNKIN
G.R. PEARCE
M. GODDARD
F. BAMBERG

Research Associates:
T. STELMAZIAK
B.G. LUXFORD

RESEARCH IN PROGRESS

RUMINANT NUTRITION

Strategic supplementation of pregnant and lactating ewes - A.R. Egan, R.M. Dixon
Strategic supplementation of growing weaner lambs - R.M. Dixon
A.R. Egan and B.J. Hosking
Improving prediction of responses of growing and reproducing animals balance and supply of absorbed nutrients - R.M. Dixon, A.R. Egan and B.J. Hosking
Utilisation of fibrous agricultural residues as animal feeds - A.R. Egan, R.M. Dixon
Nutritive value of senescent pasture grasses - G.R. Pearce, R.J. Simpson
Antinutrient factors in grain legumes as feeds for growth - J.H.C. Holmes, R.M. Dixon, H.M. Miller
Use of potato products as ruminant feeds - J.H.C. Holmes
Feeding for improved carcass quality - B.J. Hosking
Development of a simulation model for strategic feed use in ewe flocks - B.J. Hosking
Endocrine and nutritional interactions affecting the efficiency of feed utilisation - B.J. Hosking

GROWTH AND DEVELOPMENT

Studies on muscle growth and body composition in pigs - R.D. Sainz, Y.S. Kim
The effects of growth promotant on muscle structure and meat quality - R.D. Sainz
Interactions among protein degradation, muscle growth and meat quality - R.D. Sainz
Development of a simulation model of muscle biochemistry and conversion to meat - R.D. Sainz
Endocrine and metabolic mechanisms controlling muscle development and body composition - R.D. Sainz
Ontogeny and regulation of beta-andrenoceptors in skeletal muscles - R.D. Sainz

GENETICS

The genetic improvement of reproduction - R.G. Beilharz, B.G. Luxford
The genetics of evolution - R.G. Beilharz

NUTRITION, REPRODUCTION AND MANAGEMENT OF PIGS

Boar-induced precocious puberty attainment in gilts - P.E. Hughes
Nutrition-reproduction interaction in the mature sow - P.E. Hughes
Female pheromones in the pig - P.E. Hughes
Piglet welfare and productivity - P.E. Hughes
Interactions between the immune system and reproduction in first litter sows - P.E. Hughes
Anti nutrients in mung beans as feed for fattening pigs - J.H.G. Holmes, H.M. Miller
The genetics of maternal and environmental responsiveness in pigs - G.D. Hutson, B.G. Luxford
Environmental preferences and sow welfare - G.D. Hutson
Constant internal release of progesterone and reproduction in female pigs - A.J. Peacock

NUTRITION FOR POULTRY

Antinutritional factors in grain legumes for growth and egg production - J.H.G. Holmes, H.M. Miller

ANIMAL BEHAVIOUR

Relationships between stress, behaviour and reproduction in different deer species - S.C. van Mourik, T. Stelmasiak, R.C. Beilharz
Behaviour and welfare of pigs - G.D. Hutson
Pre-farrowing behaviour of sows - G.D. Hutson
Behavioural assessment of welfare in pigs - G.D. Hutson
REPRODUCTION IN RUMINANTS

Management of pregnant and lactating ewes to optimise lamb survival and wool quality - A.R. Egan, R.M. Dixon, B.J. Hosking
Manipulation of reproductive activity in different deer species - S.C. van Mourik, T. Stelmasiak, R.G. Beilharz

MEAT SCIENCE

Porcine stress syndrome - Molecular mechanism, characterisation and improvement in meat quality - K.S. Cheah

PUBLISHED WORK

Book


Chapters of Books


Articles


Reports


THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

LeMERLE, C. - Roughage utilisation on sheep in different physiological states.

Master of Agricultural Science

DAS, S.C. - Composition and hardness of urea-molasses blocks.

GARCIA, E. - Nutritional value of grain legumes.

GENANDOY, H. - Quality of Victorian goats milk.

YAEREM, J. - The effects of lactation feed intake on subsequent embryo survival in sows.

THESES IN PROGRESS

Doctor of Philosophy

BISCHOF, R.J. - Immune status and litter size in the gilt.
FLEMING, A. - (Zoology Dept.) Nutrition and feeding behaviour of abalone.
HASKELL M.J. - Pre-farrowing behaviour of the confined sow.
KRAUSGRILL, D.I. - Maternal undernutrition, foetal development and body composition in sheep.
MANI, R.I. - Optimal utilisation of legume fodder banks and low quality roughages by grazing cattle.
MBUZA, F. - A systems analysis of milk production systems of Uganda and prospects for technological change.
RAFIQ, M. - Responses of young sheep fed roughage diets to supplementation.
THOMSON, B. - Partition of nutrients to lean growth in sheep.
TILBROOK, S.L. - Seasonality in behaviour and physiology of cashmere goats.
WILKINSON, J.L. - Genetic improvement of production and reproduction in different environments.

Master of Agricultural Science

ABHAYARATNE, D. - Endocrine and milk production effects on conception in cattle.
BOON-EK, L. - Feed additives for improved utilisation of barley grain in diets for pregnant and lactating ewes.
DANN, L. - Effect of form of dietary energy on voluntary intake and performance of growing pigs.
DEVAHUTI, P. - Effects of infrequent feeding of lucerne supplement on the utilisation of low quality roughage in sheep.
DOMINGO, J. - Antinutritional effects of grain legumes.
GILL, J. - Development of a simulation model of the conversion of muscles to meat.
KYAW, T. - Effect of environmental variation on poultry growth and development.
McLAREN, C.E. - Limitations to efficient digestion of subterranean clover by sheep.
MATAYOMPONG, P. - Influence of post mortem metabolism on pig muscles.
PADUANO, D. - Digestion of grain legumes.
PELOSO, J. - (School of Agriculture, LaTrobe University) Incidence and in vivo identification of stress susceptibility and meat quality problems in pigs.
POMARES, C. - Effect of feeding lupins and cowpeas on ram reproductive performance.
SANPOTE, J. - Genetic improvement in cross-bred dairy cattle in Thailand.
SINYANGWE, F. - Corn silage/clover mixtures for dairy cows.
SWE, T. - Nutrition value of broken rice grains in broiler diets.
TIJPTOHARJONO B. - Effect of feed restrictions during growing period on subsequent laying performance of quail (coturnix japonica).
VADHANAKUL, N. - Sexing of sheep embryos.
VECHANICHKAI, R. - Effect of lupin-based diets on testicular growth in rams.
VORMAVOR, M. - Estimation of the intake of browse (Acacia aneura) by sheep.
WIRYAWAN, I.K. - Digestibility and growth performance of finishing pigs fed various levels of raw mung beans (Phaseolus aureus).

WOLDETSADICK, Feru - Absorption of nutrients in sheep fed grain legumes.

SUBSTANTIAL GRANTS RECEIVED

AITEX INTERNATIONAL - Control of pig reproduction by constant internal release of progesterone.

AUSTRALIAN MEAT AND LIVESTOCK RESEARCH AND DEVELOPMENT CORPORATION - Evaluation of factors affecting the efficiency of conversion of nutrients to meat.

Improved strategies for supplementary feeding of sheep and cattle. Supplements for sheep and cattle/Tagasaste as a supplementary forage for sheep.

AUSTRALIAN RESEARCH COUNCIL - The physiological basis of ram-induced ovulation in the ewe.

AUSTRALIAN WOOL CORPORATION - Portioning nutrients in merino ewes to improve wool production and lamb survival.

AUSTRALIAN WOOL CORPORATION - Improving the utilisation of barley and wheat grains as supplements and drought feeds.

MONSANTO - Effects of BST in pregnant and lactating sheep.

CHICKEN MEAT RESEARCH COUNCIL AND GRAIN LEGUMES RESEARCH COUNCIL - Mung beans, chick peas and pigeon peas as protein and energy sources for broiler diets.

JAMES AND SON - Potato waste as feed for lactating ruminants.

PIG RESEARCH AND DEVELOPMENT CORPORATION - Porcine stress syndrome - Molecular mechanism, characterisation and improvement in meat quality.

PIG RESEARCH AND DEVELOPMENT CORPORATION - The effects of growth promotants on muscle structure and meat quality.

PIG RESEARCH AND DEVELOPMENT CORPORATION - Simulation of the conversion of porcine muscles to meat: determinants of meat yield and quality.

PIG RESEARCH AND DEVELOPMENT CORPORATION - Interactions among protein degradation, muscle growth and meat quality.

PIG RESEARCH AND DEVELOPMENT CORPORATION - Manipulation of maternal immune status to improve litter size.

PIG RESEARCH AND DEVELOPMENT CORPORATION - Oestrus induction in gilts and sows.

PITMAN-MOORE AUSTRALIA - Manipulation of growth via the somatotrophic axis.
C. FORESTRY SECTION

LIST OF RESEARCH STAFF

Professor:
I.S. FERGUSON

Research Fellow:
G.M. DOWNES

Reader:
R. SANDS

Tutor:
J.A. BLAKE

Senior Lecturers:
L.J. BREN
R.D. SPENCER
N.D. TURVEY

Senior Associates:
V. BALODIS
J.H. CHINNER
H.G. HIGGINS
W.E. HILLIS
A.J. LESLIE
N.B. LEWIS
R.O. SQUIRE

Lecturers:
M.A. BURGMAN
R. CHURCH
E.F. DOUGAL
R. REID
C.J. WESTON

Associates:
M.A. COULTER
R. HATELEY
T. POLLARD
I.B. TOMKINS

RESEARCH IN PROGRESS

AGROFORESTRY

Competition between radiata pine and pasture for water, nutrients and light - R. Sands, I.S. Ferguson (with D.J. Connor, Plant and Soil Sciences Section)
Pelletising tree seed for direct seeding - R. Reid, R. Sands
Soil characteristics and pasture production under black walnut agroforestry - R. Reid

ECOLOGY AND WILDLIFE MANAGEMENT

Methods and models for wildlife management and conservation - M. Burgman
A stochastic model for the viability of Banksia cuneata - M. Burgman

FOREST BIOMETRICS, MENSURATION AND INVENTORY

Forest measurements from large-scale aerial photographs - R.D. Spencer (with P.H. Biggs, West Australian Department of Conservation and Land Management)
Growth models for plantation eucalypts - I.S. Ferguson (with Li Rong-Wei and S. Johnson)
Growth modelling based on light interception by discontinuous tree canopies over pasture - I.S. Ferguson, R. Reid.
Remote sensing methods for monitoring forest changes - R.D. Spencer
Extensions of the t-test for spatially distributed data - M. Burgman
Risk assessment of forest yield - M. Burgman, I.S. Ferguson (with M. McCarthy)

FOREST ECONOMICS, MANAGEMENT AND POLICY

Economics of state forestry - A.J. Leslie
Economics of tropical forest management - A.J. Leslie
Management of radiata pine plantations - N.B. Lewis, I.S. Ferguson
Management planning models - R. Church
Trade modelling for the forest products sector in the Oceania region - H.R. Bigsby, I.S. Ferguson
Economics of recreation in Latrobe Valley National Parks - I.S. Ferguson
Socio-economic implications of competition between agriculture and plantation forestry - R.D. Spencer

FIRES

Multistage sampling methods for assessing rural fire hazards - R.D. Spencer (with J.E. Blake)
The economics of fire management - I.S. Ferguson

FOREST HARVESTING AND HYDROLOGY

Changes in vegetation in a Moira Grass Plain as a result of changes in flooding - L.J. Bren
Changes in red gum forests in relation to flooding changes - L.J. Bren
Effects of plantation clearing on hydrology in north-eastern Victoria - L.J. Bren
Effects of plantation development on small streams - L.J. Bren
Evapotranspiration and diurnal variations in a mountain stream - L.J. Bren
Harvesting of mountain ash using conventional and cable systems - L.J. Bren
Hydraulics, hydrology, and vitality of river red gum (E. camaldulensis) forests in relation to flooding from the Murray River - L.J. Bren, P.A. Heinrich, D.R. Mulligan
Hydrologic effects of conversion of a small catchment from eucalypt to radiata pine - L.J. Bren
Hydrology of riparian forests along the River Murray - L.J. Bren
Physical structure of small, rough, mountain streams - L.J. Bren
Water use of developing radiata pine plantations - L.J. Bren
FOREST SOILS, NUTRITION AND GROWTH

Ammonium and nitrate nutrition of radiata pine - G.M. Downes and N.D. Turvey
Effect of sub-soil compaction on root configuration of and water uptake by radiata pine - P.A. Heinrich, R. Sands (with E.K.S. Nambiar, CSIRO, Div. of Forest Research)
Effects of tree roots in vertisols on building foundations - R. Sands (with R.K. Misra from Griffith University, and P.A. Yau from Melbourne City Council).
Wood structure and nutritional factors associated with deformation in Pinus radiata D. Don - N.D. Turvey and G.M. Downes
Seasonal variation in nitrogen and copper fluxes in Pinus radiata xylem sap - I.B. Tomkins and G.M. Downes
The influence of nitrogen on the biomechanics of current growth in radiata pine - G.M. Downes
Organic nitrogen movement in xylem sap of radiata pine - G.M. Downes and I.B. Tomkins
Fertiliser requirements of plantation grown eucalypts - C.J. Weston
Limitations to the growth of plantation eucalypts - C.J. Weston

GENETICS AND BREEDING

Genetics of susceptibility - resistance to Dothistroma needle blight of Pinus radiata and related species - P.K. Ades (with J.A. Simpson, Forestry Commission of NSW)
Genetics/wood quality characteristics of young radiata pine - E.F. Dougal (with C. Dean, CSIRO, Div. of Forestry, Mt. Gambier.)
Modelling host-pathogen interactions - P.K. Ades
Breeding plantation eucalypts for resistance to Mycosphaerella leaf diseases - P.K. Ades

LAND USE PLANNING, INFORMATION SYSTEMS, AND REMOTE SENSING

Public perceptions of pine plantations - R.D. Spencer
Impacts of pine plantations on rural communities - R.D. Spencer
Remote sensing methods for monitoring forest changes - R.D. Spencer

TREE PHYSIOLOGY AND SILVICULTURE

Biophysics of leaf and root growth - R. Sands
Physiology of Eucalyptus camaldulensis in relation to flooding variation of the Murray River - P.A. Heinrich, D.R. Mulligan, L.J. Bren
Transplanting shock in radiata pine - R. Sands (with Jenny Sasse, Botany)
Ultrastructural, physiological and morphological changes in fine roots accompanying ageing and death in two distinct mycorrhizal types associated with Sitka spruce (Picea sitchensis) - G.M. Downes and I.J. Alexander (University of Aberdeen, Scotland)
Fertiliser requirements of plantation-grown eucalypts - C.J. Weston
(with P.H. Whiteman from APM Forests)
The use of brassinosteroids in silviculture - J. Sasse and R. Sands

WOOD SCIENCE AND TECHNOLOGY

Assessment of pulpwood quality of forest resources - V. Balodis
Assessment of within-growth ring characteristics of radiata pine increment cores - E.F. Dougal
Brittle heart in eucalypts - E.F. Dougal, W.E. Hillis (with Jun Li Yang)
Effect of fertilisation on radiata pine wood quality and mechanical properties - E.F. Dougal (with Subyakto)
Evaluation of Douglas-fir wood traits - E.F. Dougal (with R.L. Krahmer, Oregon State University)
Fibre length distribution in pulps with Kajaani FS200 Fibre Analyser - V. Balodis (with A. Muneri and A.J. Miller, CSIRO, Div. Mathematics and Statistics)
Heartwood and oil formation in Santalum species (with W.E. Hillis and D.H. Haffner)
Influence of superphosphate fertilisers on growth-ring characteristics of radiata pine - E.F. Dougal (with D. Flinn and P. Hopmans, Dept. of Conservation and Environment
Moisture gradients in high temperature seasoning - E.F. Dougal (with R. Northway CSIRO, Div. of Forest Products)
Preservation of ash type eucalypts - E.F. Dougal (with L. Cookson, CSIRO, Div. of Forest Products, and G. Ladu)
Regrowth eucalypt sawmilling - I.S. Ferguson, W.E. Hillis (with G. Waugh, CSIRO, Div. of Forest Products)
Wood properties of plantation species of importance for pulp and paper industry - V. Balodis (with A. Muneri)
Techno-economics for the planning of pulpwood plantations - V. Balodis, I.S. Ferguson (with A. Muneri)
Shrinkage characteristics of E. sieberi - E.F. Dougal (with D. Adiwijaya)
The influence of nitrogen form and concentration on wood formation and strength in fast grown radiata pine - G.M. Downes and N.D. Turvey
Variation in compression wood function in Pinus radiata as influenced by nutritional and genetic factors - G.M. Downes and N.D. Turvey
Variation anatomical and wood structural characteristics on the Modulus of Elasticity of current growth in Pinus radiata - G.M. Downes
Wood quality of plantation E. regnans - E.F. Dougal (with J. Githiomi)

PUBLISHED WORK

Chapters of Books


Articles


Reports


THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

BIGGS, P.H. - Estimation of timber volumes in eucalypt forest using large-scale aerial photography and ground samples

BIGSBY, H.R. - Inter-regional trade in sawn timber in Australia

YANG, J.L. - The occurrence of brittleheart in Eucalyptus regnans and its effect on various wood properties
Master of Forest Science

BLAKE, Julie E. - Fire threat mapping using remote sensing and geographic information techniques
BORRIE, W.T. - Economics of national parks
FARRELL, P.W. - The effect of mulch, weed control and fertiliser on water relations and growth of second rotation Pinus radiata
HARDONO, Djarot - An economic study of the establishment of Paraserianthes Falcataria plantations in Unit III Perhutani State Corp., West Java, Indonesia
JOHNSON, D.A. - Regulation of yield from medium sized plantations of radiata pine
SYAMSUWIDA, Dida. - The effect of desiccation on the germination of some tropical seeds

THESES IN PROGRESS

Doctor of Philosophy

BONE, P.A. - Economics of national parks related expenditure
FISHER, D.A. - Channel incision in dispersive clays - initiation and rehabilitation
LORD, B.L. - Optimising fuel management prescriptions.
HADRYANTO, D. - Competition between radiata pine and pasture for water and light
KELLAS, J. - Modelling Agroforestry Systems
LI RONG-WEI - Forest growth models
MUNERI, A. - A techno-economic model for the planning of the establishment of pulpwood plantations
SASSE, J. H. - Physiological aspects of rooted cuttings of Eucalyptus globulus
PROTACIO, R. - Utilisation of firewood and preferences of tree species for agroforestry in Southern Luzon, Philippines
SUN, JISHENG - The effect of plant water deficits on nitrogen fixation in provenances of Acacia auriculaformis
TOLHURST, K.G. - A study of the processes involved in the dynamics of a key understory plant population in a mixed species eucalypt foothill forest with special reference to fire, soils and weather
WAUGH, G. - Productivity of sawmills utilising regrowth eucalypts
WISNIEWSKI, J.E. - An evaluation of the potential of growing Leptospermum and Melaleuca on farms for brush fence production

Master of Forest Science

ADIWIJAYA, D. - Shrinkage properties and collapse recovery of 1954 regrowth Eucalyptus sieberi
BELAY, A. - Tagasaste as a supplementary stock fodder
CHURTON, N.L. - Environmental effects of wet-weather logging (Msc)
GITHIOMI, J. - Wood characteristics and properties of plantation mountain ash (E. regnans) and their variation
KASII, T.M. - A prefeasibility study for a development plan for mangrove forests in Lamu, Kenya
LADU, G. - Treatability of 1939 regrowth E. regnans using light organic solvent
LONG, I.R. - Defect and degrade in Eucalyptus regnans forest in the central highlands of Victoria
McEVOY, P.K. - Effect of flooding upon riparian trees along the River Murray floodplain
NORTHWAY, R.L. - An investigation into the course of drying plantation radiata pine at high temperature
REINOSO, C. - Variation in Eucalyptus globulus in susceptibility to Mycosphaerella leaf diseases
SUBYAKTO - Effect of late age fertilisation on physical and mechanical properties of radiata pine
STEWART, M. - Comparative water use by urban trees growing in clay soils.
WARDAH - Soil properties under blackwood (Acacia melanoxylon) shade trees. (Submitted)

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN NEWSPRINT MILLS - Stem deformation in Pinus radiata
APM FORESTS PTY. LTD - The physiology of rooting in cuttings and seedlings of E. Globulus
AUSTRALIAN WATER RESEARCH ADVISORY COUNCIL (AWRAC) - The effect of flooding on growth of riparian river red gum
AUSTRALIAN WATER RESEARCH ADVISORY COUNCIL (AWRAC) MURRAY-DARLING FRESHWATER RESEARCH CENTRE (MDFRC) - Effect of flooding on the regeneration of river red gum, black box and grey box along the Murray River
CELBI (Portugal) - The physiology of rooting in cuttings and seedlings of E. Globulus
MELBOURNE CITY COUNCIL - The effect of trees on building foundations
RURAL INDUSTRY TRAINING COMMITTEE - Growing Leptospermum and Melaleuca on farms for brush fence production
STATE ELECTRICITY COMMISSION AND COUNTRY FIRE AUTHORITY OF VICTORIA - Fire hazard assessment and mapping using remote sensing
TIMBER PROMOTION COUNCIL (VIC.) - Preservation of ash-type eucalypts
VICTORIAN FARMERS FEDERATION - The growth of broombush on farms in the Mallee
WEST AUSTRALIAN DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT - Estimation of timber volumes using two-stage sampling
D. PLANT AND SOIL SCIENCES SECTION

LIST OF RESEARCH STAFF

Professor:  
D.J. CONNOR

Visiting Research Fellows:  
S. LUO  
H. BOS  
C. CANTERO-MARTINEZ

Readers:  
G.M. HALLORAN  
D.G. PARBERY

Tutors:  
S.D. HAMILTON  
A.M. MCGOOKIN  
G.M. GURR

Senior Lecturers:  
P.M. CHALK  
L.A. DOUGLAS  
R.J. SIMPSON  
G.M. RIMMINGTON

Senior Associates:  
Y. AITKEN  
M.J. DALLING  
W.T. PARSONS  
D.F. SMITH

Lecturer:  
M.E. NICOLAS

Research Fellows:  
G.D. BONNETT  
G.M. DUNN  
S.P. FALK

Research Assistants:  
K. GATFORD  
I. RADOJEVIC  
C. SIEVER-KELLY

RESEARCH IN PROGRESS

CROP AND PASTURE PRODUCTION

Response of tall and dwarf sunflower cultivars to water shortage - D.J. Connor

Competition studies in a Pinus radiata-pasture agroforestry association - D.J. Connor

Water x nitrogen interaction in the production of wheat - D.J. Connor and G.M. Rimmington

Computerised decision support for tactical and strategic management of wheat crops - G.M. Rimmington and D.J. Connor

Towards forecasting the Australian wheat yield using simulation and satellite remote sensing - G. Rimmington and D.J. Connor

The Cereal Game - a decision support system for strategic management of Australian cereal crops - G. Rimmington, D.J. Connor and H.S. Hawkins

An electronic network for Landcare groups - G.M. Rimmington and H.S. Hawkins

Transpiration of mountain ash forests - G.M. Dunn and D.J. Connor

Role of stem reserves in maintaining grain size in barley - M.E. Nicolas
ROLE OF EAR PHOTOSYNTHESIS AND STEM RESERVES FOR GRAIN YIELD OF WHEAT - M.E. NICOLAS

IMPROVEMENT OF THE NUTRITION OF WHEAT IN THE HIGH RAINFALL DISTRICTS OF VICTORIA - M.E. NICOLAS

EVALUATION OF WHEAT GENOTYPES FOR HEAT TOLERANCE DURING GRAIN FILLING - M.E. NICOLAS

EFFECTS OF HIGH TEMPERATURE AND DROUGHT ON GRAIN FILLING AND MALTING QUALITY IN BARLEY - M.E. NICOLAS AND G.M. HALLORAN

ANALYSIS OF THE PHENOLOGY, YIELD AND WATER USE OF RAPSEED AND INDIAN MUSTARD - M.E. NICOLAS AND G.M. RIMMINGTON

PASTURE PRODUCTION ON ACID SOILS - R.J. SIMPSON

ANIMAL PRODUCTION FROM PASTURE TREATED WITH HERBICIDES TO IMPROVE FEEDING VALUE DURING SUMMER - R.J. SIMPSON

DURATION OF HARDSEEDEDNESS IN PERSIAN CLOVER (T. RESUPINATUM) - Y. AITKEN

PLANT BREEDING AND GENETICS

SELECTION OF EARLY-FLOWERING SILAGE MAIZE FOR COOL SUMMER AREAS - Y. AITKEN

CYTOLOGY AND FERTILITY OF WHEAT-RYE (SECALE) HYBRIDS WITH INDUCED PAIRING BETWEEN HOMOELOGOUS CHROMOSOMES - G.M. HALLORAN

GENETIC CONTROL OF DEVELOPMENTAL RESPONSES IN WHEAT - G.M. HALLORAN AND D.G. PARBERY

GENETICS OF RESISTANCE TO CEREAL CYST NEMATODE (HETERODERA AVENAE) IN TRITICUM TAUSCHII - G.M. HALLORAN

GENETICS OF BLACKLEG (LEPTOSPHAERIA MACULANS) RESISTANCE IN RAPSEED - G.M. HALLORAN

GENETICS OF RESISTANCE TO FUSARIUM WILT IN TOMATO - G.M. HALLORAN

APPROACHES TO DEVELOPING WHEAT WITH RESISTANCE TO BARLEY YELLOW DWARF VIRUS - G.M. HALLORAN

IN VITRO MANIPULATION OF COCONUT (COCOS NUCIFERA L.) AS AN AID TO BREEDING - G.M. HALLORAN

VARIATION AND GENETICS OF SALT TOLERANCE IN BROWN BEETLE GRASS (DIPLACHNE FUSCA) - G.M. HALLORAN

GENETICS AND PHYSIOLOGY OF SPIKELET NUMBER IN BARLEY - G.M. HALLORAN

INDUCTION AND EVALUATION OF SOMACLONAL VARIATION IN POTATO FOR COMMERCIAL IMPROVEMENT - G.M. HALLORAN

EVALUATION OF PERENNIAL GRASS SPECIES FOR USE IN SALINITY RECHARGE AREA - G.M. HALLORAN AND M.E. NICOLAS

PHYSIOLOGY AND GENETICS OF SALT TOLERANCE IN WHITE CLOVER (TRIFOLIUM REPENS L.) - G.M. HALLORAN AND M.E. NICOLAS

USE OF A FOLIAR SPRAY AS A SCREENING TOOL TO SELECT WHEAT LINES WITH A LARGE CONTRIBUTION OF STEM RESERVES TO GRAIN YIELD - M.E. NICOLAS

INTRODUCTION OF COMPONENTS OF Drought TOLERANCE FROM TRITICUM TAUSCHII TO COMMON WHEAT - M.E. NICOLAS AND G.M. HALLORAN

VARIATION AND GENETICS OF LOW SHEAR STRENGTH OF LEAVES - R.J. SIMPSON

IDENTIFICATION AND EXPLOITATION OF VARIATION IN FEEDING VALUE OF SENESCENT PASTURE GRASSES - R.J. SIMPSON AND G.D. BONNETT
AGRICULTURE AND FORESTRY

PATHOLOGY OF CROP AND PASTURE PLANTS

Compilation of a monograph "Disease of pasture species" - D.G. Parbery
Cercosporoid parasites on Australian native plants - D.G. Parbery and I. Pascoe
Mechanism of infection by Sclerotinia minor and factors which influence resistance in sunflower - I. Porter and D.G. Parbery
The biology and control of Armillaria luteobubalina root rot in horticultural species - S.P. Falk and D.G. Parbery

PHYSIOLOGY OF CROP AND PASTURE SPECIES

Photosynthesis, carbon partitioning and regrowth of clovers after grazing - R.J. Simpson
Metabolism of storage carbohydrates (fructans) in pasture grasses - R.J. Simpson and G.D. Bonnett
Accumulation and remobilisation of storage carbohydrates under drought in cereals - M.E. Nicolas

SOIL SCIENCE

Quantitative assessment of nitrogen fixation by legumes in agriculture and forestry - P.M. Chalk
Effects of nitrification inhibitors on nitrogen transformation rates in the soil-plant system - P.M. Chalk
Dieldrin decomposition in soil - L.A. Douglas
Soil degradation - L.A. Douglas
Use of urease inhibitors to increase fertiliser urea efficiency - L.A. Douglas
Relationship of land use to soil properties - L.A. Douglas

PUBLISHED WORK

Chapters of Books

Articles


**Reports**


RIMMINGTON, G.M. - "PGL - Plant Growth Language". *School of Agriculture and Forestry Report No. 02/90*, 8 pp (1990).


**Conference Papers**


THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy
HAMILTON, S.D. - The measurement of N₂ fixation by legumes and transfer of fix N using ¹⁵N.
WARWICK, N.W.M. - An ecogenetic and physiological study of salt tolerance in Brown Beetle Grass (Diplachne fusca L. Beauv.).

Master of Agricultural Science
ASIRIFI, N.K. - Investigation of the impact of organic matter on infection of vegetable species with Sclerotinia sclerotiorum.
MONDAL, A.H. - The role of the spore matrix in spore behaviour of Colletotrichum musae.

THESES IN PROGRESS

Doctor of Philosophy
ASHBURNER, G.R. - In vitro manipulation of coconut (Cocos nucifera L.) as an aid to breeding.
BEILHARZ, V.C. - Cercosporoid fungi on Australian native plants.
BHATTACHARYA, R. - Reduction of problems caused by high dieldrin concentrations in soil.
BURGESS, D.R. - Mechanisms of infection by Sclerotinia minor and factors influencing host resistance in sunflower.
CASTLES, C.J. - Approaches to developing wheat with resistance to barley yellow dwarf virus.
CHEN, D. - Quantitative assessment of fertiliser nitrogen losses due to denitrification.
CLEREHAN, S. - Analysis of the growth and water use of rapeseed (B. napus) and Indian mustard (B. juncea).
EASTWOOD, R.F. - Genetics of resistance to Heterodera avenae in Triticum tauschii and its transfer to bread wheat (Triticum aestivum).
HANDOKO. - The water x nitrogen interaction in the yield of wheat.
HENRY, D.A. - Leaf strength and its effect on feeding value of pasture grasses.

HOFFLIN, C.A. - The cereal game - a decision support system for strategic management of Australian cereal crops.

KELLY, K.B. - Agronomy and management of pure legume pastures under irrigation.

KERNICH, G.C. - Genetics and physiological studies to increase grain number per head in barley.

OGBONNAYA, F.C. - The induction of gene transfer from black mustard (Brassica nigra) to rapeseed (Brassica napus).

O'LEARY, G.J. - Wheat productivity in leguminous rotations.

PANG, E.C.K. - Genetic and pathological studies of blackleg (Leptosphaeria maculans) on rapeseed (Brassica sp.).

PONGSUPASAMIT, S. - Comparative study of induced mutation methods in potatoes (Solanum tuberosum L.).

REDDY, P. - Transfer of components of drought resistance from Triticum tauschii to wheat.

RIDLEY, A.M. - Soil acidification under permanent pasture.

ROBERTS, P.M. - Potential to improve the feeding value of annual pasture grasses.

ROGERS, M.J. - Physiological and genetical mechanisms conferring salt tolerance in white clover (Trifolium repens L.).

ROSSBROOK, P.A. - Environmental and genetic influences on malting quality in barley.

SEN, S. - Interaction between soil and fertiliser nitrogen.

SMOUTER, H. - Metabolism of storage carbohydrates in pasture grasses.

ST JOHN, J.A. - Metabolism of fructans in ryegrass.

STONE, P. - Effects of post-anthesis heat stress on wheat.

WANG, X. - The minimisation of fertiliser nitrogen losses.

Master of Agricultural Science

BHEENICK, K.J. - Use of crop models in fertiliser management of wheat.

BOLLAND, A.M. - The effect of Regulated Deficit Irrigation on the productivity growth and water use of peach trees.

BURKE, S. - Effect of wind exposure on plant production.

CHAREESRI, O. - Induction and inheritance of resistance to Fusarium wilt in tomatoes.

CHRISTOPOULOS, A. - Effect of post-anthesis drought on the stem reserves and grain filling in barley.

CLEREHAN, S. - Analysis of the phenology, growth and water use of rapeseed and Indian mustard.

COOK, A.M. - The evaluation of adaptability and herbage yield of Cocksfoot (Dactylis glomerata) on salinity recharge areas.

CRAWFORD, D.M. - Effect of nitrification inhibitors on nitrogen transformation rates in the soil-plant system.

CREGAN, P.D. - The growth of pasture legumes in acid soils.

IMPRON. - Direct measurement of transpiration in sunflower crops.

KNIGHTS, S.E. - Genetic and physiological studies of grain number per head in wheat.
McNAB, S.C. - An investigation of the water relations of pear trees affected by two-spotted mite (Tetranychus urticae) and the factors involved in the development of leaf scorch.

O'CONNOR, G. - Agronomic factors affecting N₂ fixation and potential N benefit of field pea.

PAUDJAITAN, T. - Effect of different times of paddy rice cropping on soil properties.

SADDLER, G.R. - Effect of land use in the Dookie area on soil properties.

SMITH, K.F.J. - Use of near infrared reflectance spectroscopy (NIR) in pasture plant breeding.

STONE, P. - Improvement of the nutrition of wheat in the high rainfall districts of Victoria.

VILLILI, P. - Propagation of landscape species.

SUBSTANTIAL GRANTS RECEIVED

A.E. ROWDEN WHITE - Improvement of pasture grasses by molecular genetic means.

AUSTRALIAN CENTRE FOR REMOTE SENSING - Towards forecasting the Australian wheat yield.

WOOL RESEARCH AND DEVELOPMENT CORPORATION (WRDC) - The feeding value of senescent pasture grasses

WRDC - Growth of subterranean clover in relation to soil acidity and moisture availability

WRDC - Plant cell wall composition and structure in relation to digestibility

WRDC - Animal production from pasture treated with herbicides to improve feeding value during summer

AUSTRALIAN RESEARCH COUNCIL - Regulation of fructan metabolism to improve the feeding value and animal-production yield of grass pasture.

COAL CORPORATION OF VICTORIA - The alleviation of high dieldrin concentrations in animals eating dieldrin-contaminated food.

CRAY RESEARCH (AUSTRALIA) INC - Towards forecasting the Australian wheat yield.

GRAINS RESEARCH AND DEVELOPMENT CORPORATION (GRDC) - Evaluation of barley genotypes for high and stable levels of malting quality

GRDC - Effects of high temperature and drought on grain filling and malting quality in barley

GRDC - Evaluation of wheat genotypes for heat tolerance during grain filling

GRDC - Incorporation of winter habit and tolerance to barley yellow dwarf virus in Victorian barley

GRDC - Selection of barley genotypes for stable grain size through high contribution of stem reserves to grain filling

GRDC - Forecasting the Australian wheat yield

GRDC - Breeding for blackleg resistance in rapeseed
CENTRE FOR FARM PLANNING AND LAND MANAGEMENT

LIST OF RESEARCH STAFF

Senior Research Fellows:
A.D. WILSON
L.O. JELLINEK

Research Assistant:
J.E. HOARE

RESEARCH IN PROGRESS

Transfer of information about red-brown earth cropping soils - A.D. Wilson, J.E. Hoare
Development of a permanent lucerne-wheat rotation - A.D. Wilson, J.E. Hoare
Local government and land conservation - L.O. Jellinek, J.E. Hoare
Grazing management of native and improved pastures - A.D. Wilson

PUBLISHED WORK

Chapter of Book

Articles


Conference Paper


Report


AWARD

JELLINEK, L.O. - Ford Landcare Media Award, Victorian Section (for the article, Love and Earth).

SUBSTANTIAL GRANTS RECEIVED

WHEAT RESEARCH COUNCIL - Transfer of information about red-brown earth cropping soils
WHEAT RESEARCH COUNCIL - The development of a permanent wheat-lucerne rotation.
OFFICE OF THE ENVIRONMENT - Local government and land conservation.
# ARCHITECTURE AND BUILDING

## LIST OF RESEARCH STAFF

### Professors:
- G.W. Brawn
- R.P. McIntyre
- A. Rodger
- J.C. Scrivener
- E. Walker

### Senior Lecturers:
- D.H. Beck
- K.G. Dovey
- B.J. Kidd
- M.B. Lewis
- G.R. Tibbits
- J.J. Turneull
- P.H.M. Williams

### Lecturers:
- T.W. Chu
- B.H. Duyshart
- J.L. Finkelstein
- J.J. Hornley
- R. Kenley
- A.M. Musseen
- A.I. Neale
- L.S. Rudolph

### Lecturers (Part-time):
- A.C. Burge
- B.M. Fowler
- S.G. Hunt
- A.E.W. Hutson
- C. Newton
- A. Seelenitsch
- A.G. Styant-Browne

### Professorial Associates:
- K. Borland
- F.J. Bromilow
- W. Corker
- R. Giurgola
- D. Jackson

### Senior Associates:
- B.I. Merz
- W.E. Mohr
- H.A. O'Neill
- R. Rahni

### Senior Tutor:
- J.C. Lewis

## RESEARCH IN PROGRESS

### ARCHITECTURAL DESIGN

An investigation of the sensory inputs utilised by people with visual impairments - B. Kidd

Application of CADD in architectural practice - T.W. Chu

Community Architecture & Common Housing - K. Dovey

Composition Tactics in Design - G.W. Brawn

Computers in Architecture: Readdressing the practice of architecture and architectural documentation through the medium of Computers - B. Duyshart and J. Finkelstein

Design and user needs of high tech office buildings - R. Rahni

Extant Medium Density Housing - G.W. Brawn

Housing Ideology in Australia - K. Dovey

Medium Density Housing (Dual Occupancy) - R.P. McIntyre

Planning, design and management of community recreation facilities - T.W. Chu and G.W. Brawn

Planning, design and management of correctional environments - G.W. Brawn

Principles of Siting and Design of Buildings for Bushfire Areas - L.S. Rudolph
The image of home - an alternative to institutions for people needing supportive care - B. Kidd
The Victorian Moderns - K. Borland

ARCHITECTURAL DESIGN THEORY

A rationale for architectural theory - R. Rahni
Computers in Architecture: Adapting existing teaching methods through the medium of computers - B. Duyshart and J. Finkelstein
Critical reviews of recently completed buildings by architects in Australia, especially Melbourne - J.J. Turnbull
Critiques: an annual of papers and projects from postgraduate studies in architectural theory and design - H. Beck and J.J. Turnbull
Evaluation of Australian Capital Stock - A. Rodger
Facility Planning and Evaluation: Methods and Techniques - G.W. Brawn
Ideaology in architecture - K. Dovey
Implications for architecture and the built environment of atmospheric change - A. Rodger
Post-occupancy evaluation of buildings - K. Dovey
Relationships between Art & Architecture - H. Beck
Robin Boyd and the 'Melbourne School' - J.J. Turnbull
Self-help Housing - A. Rodger
Sense of Place and architectural design: an analysis of Williamstown in terms of its social, economic, and morphological history - H. Beck
Site Analysis Techniques - L.S. Rudolph
Sustainable Suburbia - A. Rodger
Sustainable systems of settlement - A. Rodger
The application of architectural theory: a cultural critique of graphic design - the work of Emery Vincent - H. Beck
The application of architectural theory: a cultural critique of the work of Daryl Jackson, Architect - H. Beck
The phenomenology of place and placemaking - K. Dovey
Urban Design Theory - G.W. Brawn

ARCHITECTURAL HISTORY AND CONSERVATION

Cultural History of Australian Building - M. Lewis
Early buildings of The University of Melbourne - G.R. Tibbits
Islamic architecture in South East Asia - H.A. O’Neill
Recent architecture in Melbourne from 1945 - J.J. Turnbull
Regional Housing in Indonesia - H.A. O’Neill
The Formulation of an Interactive Graphical Database for Historical information - B. Duyshart and J. Finkelstein
The work of Walter Burley Griffin and Marion Mahoney in Australia and the U.S.A. - J.J. Turnbull
Victorian Churches: survey & typological analysis - M. Lewis and A. Neale
BUILDING SCIENCE AND TECHNOLOGY

Applications of computing in architectural practice - A. Rodger
Bi-axial bending of hollow face shell bedded clay masonry - J.C. Scrivener
Computers in Architecture: Developing Expert Systems for Architects and Designers - B. Duyshart and J. Finkelstein
Fire Hazard Mapping - L.S. Rudolph
Indoor Air Quality in Airconditioned Office Buildings - P.H.M. Williams
Performance of buildings in bushfires - L.S. Rudolph
Services evolution and integration in complex building types - P.H.M. Williams
The mechanism of mortar in masonry - J.C. Scrivener, T. McNeilly
The place of membrane structures in the curriculum for architecture students - T.W. Chu
The properties of on site mortar in clay brick construction - J.C. Scrivener and T. McNeilly

CONSTRUCTION MANAGEMENT

Building Project information and knowledge base systems - R. Kenley
Causes and incidence of delay on Building Projects - R. Kenley

LAND AND BUILDING ECONOMICS

Landbank for Victoria - A. Rodger

PUBLISHED WORK

Books


Chapters of Books


Articles


Reports


Biographical Citation


AWARDS

KIDD, B.J. - Member of the Order of Australia (AM) for service to architecture and design, particularly for those with physical disabilities and the frail aged (1990).

THESES PASSED FOR HIGHER DEGREE

Master of Architecture

ALERS, C.A.R. - 'Rumah Adat' of Negri Sembilan, Malaysia and the Minangkabau of West Sumatra, Indonesia.
FOWLER, B.M. - Chaos, Sustainability and a future for Architecture.

THESES IN PROGRESS
Doctor of Philosophy
Cairns, S.R. - A traditional Javanese house: documentation and analysis.
DIVAKARLA, S. - Energy implications for sustainable residential buildings.
FAY, R. - Sustainable Suburbia case study.
GOAD, P.J. - The design and conception of suburban domestic architecture in Australia (in particular Melbourne) 1945-75.
NEALE, A.I. - The Influence of the Picturesque on the Australian House 1840-1890.
ROBERTSON, G. - The implications of the Greenhouse Effect for commercial buildings.

Master of Architecture
BALESTRA-PIMPINI, D.J. - Modernist theory and composition.
BICKLE, P.W. - Architecture and the Australian suburbs.
BIGUZAS, S.G. - De-construction: theory and architecture.
BLACKET, R. - Aspects of Architectural theory.
BURGE, A.C. - Simultaneous Contrast and related colour perception theories.
CASTLES, J.S. - Review of current practice in the Design of Day Procedure Centres
CLARK, J.A. - Aspects of Architectural theory.
COOF, G. - Aspects of Architectural theory.
ENG, T.S. - Aspects of Architectural theory.
HALIK, K.C. - Aspects of Architectural theory.
HOLT-DAMANT, K.H.P. - Aspects of Architectural theory.
HOMEWOOD, P.J. - Programs for building in the city.
HORNLEY, J.J. - Aspects of Architectural theory.
HUDDLE, L.M. - The history of the practice of Buchan Laird and Buchan.
LYON, H.M. - The architecture of the city.
MACKLEY, R. - Aspects of Architectural theory.
MAK, K.C. - Architecture for multicultural societies.
MAZUNDAR, R. - Aspects of Architectural theory.
RICHARDS, R.M. - Aspects of Architectural theory.
ROEHRS, M. - Modernity and architecture.
SHUGG, C. - The application of computing in architectural practice.
TAN, S.M. - Tall buildings.
VITELLI, F.P. - The city: the map and the territory.
WAGNER, D.B. - *Space, form and contextualism.*
WONG, S.L. - *Architectural structure and form.*
WOODSTOCK, G.R. - *Elderly Persons Housing*

**Master of Building**

MLADICHEK, B. - *Very Fast Construction.*
WATTS, V.M. - *Dispute Resolution in the Building Industry.*
LIST OF RESEARCH STAFF

Professors:
J.B. McLoughlin
D. Yencken

Readers:
D.G. Evans
B. Nettleton

Senior Lecturers:
A.S. Atkins
W.J.N. Flannigan
C.M. Gutjaehr
R.J. King
N.P. Low
J.H. Pike
B.T. Tyson
R.G. Wyatt

Lecturers:
S.L. Cosgrove
H. Hossain
R.M. Itami
J.A. Schapper

Research Fellows:
J.M. Atkinson
A.T. Wain

Senior Associates:
J. Barber
W.T. O'Brien

RESEARCH IN PROGRESS

NATURAL ENVIRONMENT AND LANDSCAPE PLANNING

Relationship between media presentation of environmental issues and public environmental consciousness - S.L. Cosgrove
Long-term sustainability of agricultural land - D.G. Evans
Approaches to land reclamation in Australia - D.G. Evans
Valuing old-growth forests - D.G. Evans
The development of an 'emotional opportunity spectrum' of suburban open space - B. Nettleton
The effects of natural open space in the experience of time - B. Nettleton
Well-being and the design of bicycle tracks - B. Nettleton
Emotional responses to wilderness settings - B. Nettleton
Attentional styles, activity seeking and preferred landscapes - B. Nettleton
Ground covers and climbers for southern Victoria - J.H. Pike
Criteria for purchasing and covenanting land of nature conservation value in Victoria - J.A. Schapper
Review of organisations which covenant land for nature conservation in the US and their relevance to the Victorian Conservation Trust - J.A. Schapper
GIS-based visual assessment methods for highway landscapes - R.M. Itami
Community participation in evaluation of rural heritage landscapes - S.L. Cosgrove, J. A. Schapper
Environmental issues and landscape character of central Melbourne - D. Yencken
Attitudes to environmental and urban issues amongst secondary school children - D. Yencken

URBANISATION AND URBAN PLANNING

Local development planning - W.J.N. Flannigan
Strategic planning in the municipalities of Hawthorn/Camberwell - W.J.N. Flannigan
The planning, design and development of traditional shopping streets - W.J.N. Flannigan
Control mechanisms in urban design: opportunities for and constraints on urban design in Australian urban planning practice - C.M. Gutjahr
Urban sprawl and housing density - C.M. Gutjahr
Ideology and practice in the early 20th century professionalisation of town planning - C.M. Gutjahr
Regional and environmental planning policy in developing countries - H. Hossain
Socio-economic development index for Bangladesh - H. Hossain
Dhaka: urban travel patterns in a developing country - H. Hossain
Geographic information systems for developing countries - H. Hossain
Computing and research techniques for planners in developing countries - H. Hossain
GIS methodologies for open space and recreation planning - R.M. Itami
Roles of capital investment and urban design in the Melbourne real property market - R.J. King
Planning and the State, an investigation of the connection between planning practice and political theory - N.P. Low
Administrative change, urban planning and policy making in the Victorian State Government - N.P. Low
The legal-technical system for strategic land-use planning in metropolitan Melbourne - J.B. McLoughlin
Inner Melbourne redevelopment - D. Yencken
RESOURCE AND ENVIRONMENTAL EVALUATION

Risk analysis and the economics of natural disasters - A.S. Atkins
Pricing policy and the conservation of energy - A.S. Atkins
Electricity pricing and demand management policies - A.S. Atkins
Non-market values: economic appraisal of recreation land use - the state of the art (CVM, TCM, etc.) - A.S. Atkins
The economics of environmental standards: the case of air pollution - A.S. Atkins
The role of public sector economics in setting environmental policy - A.S. Atkins
Modelling the value of life and road safety - A.S. Atkins
Production and consumption of coal in China - D.G. Evans
Greenhouse emissions from the manufacture and recycling of plastics - D.G. Evans
The control of air pollution from the energy industries - D.G. Evans
Reducing greenhouse emission by demand-side management - D.G. Evans
The gap between environmental awareness and environmental action - D.G. Evans, S.L. Cosgrove

ANALYTICAL TECHNIQUES AND EDUCATIONAL TECHNIQUES

Input-output modelling of Victorian forestry and timber industries - A.S. Atkins
Economic analysis of air pollution - A.S. Atkins
Communicating environmental economics in the policy debate - A.S. Atkins
Urban land information systems for developing countries - H. Hossain
Research and computing techniques for social scientists and planners in developing countries - H. Hossain
A micro-computer based land use forecasting model - H. Hossain
Development of computer aided instructions using Hypercard techniques - H. Hossain
A data base design for a LIS in developing countries - H. Hossain
Developing GIS for modelling spatial dynamics - R.M. Itami
Computing tools for integrating CAD and GIS to simulate visual impacts - R.M. Itami, H.D. Shang
Application of personal construct theory to decision-making and problem solving - N.P. Low
Management and evaluation of nontraditional programs in planning education - B.T. Tyson
The learning contract in competency-based planning education - B.T. Tyson
Experiential learning in planning education - B.T. Tyson and N.P. Low
FACULTY OF ARCHITECTURE AND PLANNING

Computer aided planning - R. G. Wyatt

PUBLISHED WORK

Articles


Reports

FLANNIGAN, W.J.N. - Submission on behalf of Camberwell-Hawthorn Planning Watch to the Review of District Centre Policy carried out by the Department of Planning and Housing, 18 pp. August (1991)
FLANNIGAN, W.J.N. - Submission on behalf of the Royal Australian Planning Institute to the Melbourne City Council on the Swanston Walk Proposal, 9 pp, October (1991)
THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

COOPER, M.A. - Rural road management using visual assessment techniques
WAIN, A.T. - Oil pricing policies towards increasing energy self-sufficiency in Australia

Master of Environmental Studies

CHOW, W. - Coal utilisation in the People's Republic of China
THOMSON, C. - Modelling visual complexity of landscapes

RESEARCH REPORTS PASSED

Master of Environmental Studies (by coursework)

ARROWSMITH, C., NICHOLSON, J. and ROZENBERG, A. - Management of a common property resource using geographical information systems: case study - the Victorian abalone industry
GRIEVES, J. - The impact of recreation on public land - with special reference to river frontage
GRONOW, C.L., JOHNSON, M.B. and MARCOS, E.U. - Sustainability, development and the alleviation of poverty

Master of Landscape Architecture (by coursework)

KITSON, J. - Noise attenuation treatments, visual preference and the roadside environment
LEE, C-Y. - Visual character versus development impact in suburban landscape
REDLICH, E. - Year round tourism - Mount Buller
SHANG, H-D. - Combining AutoCAD with computer video imaging techniques for precise landscape architecture simulation
Master of Urban Planning (by coursework)

ADJEI, A. - Solid waste disposal in Accra, Ghana
APLIN, G. - Propriety issues in local economic initiatives
HAMILTON, O. - Housing policy in the City of Melbourne
SUMBALAN, A. - Regional planning authorities in Victoria

THESES IN PROGRESS

Doctor of Philosophy

BRUTON, G.D.C. - Water quality sampling procedures and their interpretation for environmental management
BURKE, T.W. - The residential construction industry in post-war Victoria
CLARK, P. - The design of a hospital facilities management system
COROZA, O.G. - Water-based planning model for sustainable development
COSGROVE, S.L. - Environmental value systems
DICKINSON, J.S. - The effects of wilderness experiences on human behaviour
IVES, M.J. - Attitudes to agricultural land: the soil conservation and Keyline debate
LIU, G.Y. - China's coal production and coal export
NUBERG, I.K. - Appropriate farming systems for rehabilitating degraded tropical land
SCHAPPER, J.A. - Landscape heritage
SHANG, H.D. - Visual impact as determined by physical attributes
SPURRITT, A.E. - Assessment of sustainable development approach to planning use of resources
TANBERG, K.J. - History of urban planning in Melbourne
YUEN, B.K.P. - Open space and recreational provision in Singapore

Master of Town and Regional Planning

BOYLE, R. - Relations between state and local government: urban consolidation
TIJITO, S. - Rapid transit system for Jakarta new town

SUBSTANTIAL GRANTS RECEIVED

BUNZL AUSTRALIA LTD - (with DUV Australia) - Environmental attitudes and actions amongst purchasing officers
ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE (USA) - GIS centres for Bangladesh
ASIAN LANGUAGES

LIST OF RESEARCH STAFF

Associate Professor:  A. K. KAZI
Senior Lecturers:  R.C.I. KING
                  J. KUMAMOTO-HEALEY
                  J.P. SARUMPAET*
                  D.A. KANE
Lecturers:  S. ABDURRACHMAN
            S. ATSUZAWA
            N. IWASHITA
            M. KUBOTA
            D.E. MANWARING

* Passed away 17.4.91

Senior Tutors:  H. NARUSE
                M. HALL

Tutors:  L. DU
         J. URWIN

Senior Associates:  E.S. CRAWCOUR
                   N. MIRZA
                   X. YE

Associates:  J.C. MUNRO

RESEARCH IN PROGRESS

History of the Chinese Language - D. A. Kane
Chinese Language Proficiency Testing - D. A. Kane
Intellectual Trends in Contemporary China - D. A. Kane
Politics in the People's Republic of China - D. A. Kane
History of the Chinese Language - D. A. Kane
Muslims in Australia from Afghans till the present day - A.K. Kazi
A study of Hadith Qudsi Literature - A.K. Kazi
The Growth of Exegesis (Tafsir) - A.K. Kazi
Studies in Qing History - R.C.I. King
Semantic Constraints in Japanese Deictic Verbs - J. Kumamoto-Healey
Affective Variables and Proficiency - J. Kumamoto-Healey
Contribution of Women Writers to May Fourth Literature -
D.E. Manwaring
Chinese Politics - G. Woodard
Popular Culture in China - X. Ye
History of Shanghai - X. Ye

PUBLISHED WORKS

Books

KANE, D.A. - Gudai Hanyu - Classical Chinese Reader - Grammar, Reader
and Notes. Published by Department of Asian Languages, University of

Chapters of Books


Articles

KANE, D.A. - "Zhongghuo zhishifenzi yan zhong de Xifang" (The West in the Eyes of Chinese Intellectuals" (China Tribune, No. 370 (July 1991) pp. 19-22
YE, X. - "Dianshizhai Huabao zhong de Shanghai pingmin wenhua" [Shanghai popular culture in the Dianshizhai Pictorial], Ershiyi Shiji [Twenty-First Century], No. 1 pp. 36-47 (1989).

Reports


Conference Papers

KANE, D.A. - "HSK - Hanyu Shuiping Kaoshi - Chinese Proficiency Examination" (paper given to Second Biennial Conference of the Australian Association for Chinese Studies, University of Sydney, July 1991, and at the Conference on Language Teaching in China and Australia at La Trobe University, July 1991) 12 pp
YE, X. - "A Comparison of the Acceptance of Western Medicine by Elite and Non-elite Classes in Late Nineteenth Century Shanghai" (paper read at 6th International Conference on the History of Science in China, The Needham Research Institute, Cambridge, August 1990) 31 pp
YE, X. - "Popular Culture in Late Nineteenth Century Shanghai" (paper given to Project on Popular Culture in China, University of California at Berkeley, August 1990) 31 pp
YE, X. - "The Emergence of Nationalism in Early Twentieth Century China" (paper given to the Second Biennial Conference of the Chinese Studies Association of Australia, University of Sydney: July 1991) 22 pp
Invitation Lectures

KANE, D.A. - Chinese Intellectuals - Before and After Tiananmen - Public Lecture in Dean's Lecture Series, Faculty of Arts; April 4, 1990, Published in Chinese under the title "Liu-si" qian-hou de Zhongguo zhishifenzi (Huasheng Bao, 1 July, 1990) 20 pp

AWARDS

SARUMPAET, J.P. - American Bibliographic Institute international award of recognition for outstanding services to Indonesian studies
SARUMPAET, J.P. - International Biographical Centre, Cambridge, Certificate of Merit for distinguished services, in the fifteenth edition of Men of Achievement

THESES IN PROGRESS

Doctor of Philosophy

MAYER-ATTENBOROUGH, C. (nee MAYER, K.) - Magic in Arabic literature and modern Arab society.
PATTON, S. - Two Texts by Gu Cheng.
PICKLES, M.A. - Psychological Healing modes of Islam.
SAEED, A. - Islamic Banking: Origins, concepts and growth, with special reference to the Middle East.
SAMAD, M. - Ibn Qutaybah's contributions to Quranic exegesis.
SANKART, J. - Shi'ite Islamic Fundamentalist thought in the contemporary Arab Near East: The case of Sheikh Fadlallah of Lebanese Hizbullah.

Master of Arts

MANNION, M. - Contemporary Chinese New News Literature.
HADY, A. - Islamic schools in Indonesia.

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL - Intellectual trends in contemporary China.
PACIFIC CULTURAL FOUNDATION, TAIWAN - The contribution of Chinese women writers to Chinese literature of the 1920s.
CLASSICAL AND NEAR EASTERN STUDIES

LIST OF RESEARCH STAFF

Professors:
  F.B. SEAR
  T. MURAOKA

Emeritus Professor:
  J. BOWMAN

Associate Professors/Readers:
  K.J. MCKAY
  J.R.C. MARTYN
  R.D. SCOTT
  E. PEMBERTON

Senior Lecturers:
  G. BUNNENS
  J.B. BURKE
  P.J. CONNOR
  E. GAUNTLETT
  K.R. JACKSON
  A.G. SAGONA

Lecturers:
  A. CHATZINIKOLAOU
  R.G. JENKINS
  C.J. MACKIE
  Z. SHAVITSKY
  C.J. STALLMAN-PACITTI
  J. JARICK

Academic Associates:
  R. ANDERSON
  A. EHRENKREUTZ
  M. HENRY
  C.A. HOPE
  E. PALTIEL
  A.D. PRYOR
  M.J. RIDDLE
  J. M. WEBB
  J. WRIGHT

Research Assistants:
  G. CALLIATSOS
  P.C. MILNER
  H. SKAPENTZIS

RESEARCH IN PROGRESS

GREEK PHILOSOPHY

The interpretation of Plato - K.R. Jackson.

CLASSICAL MYTHOLOGY

Understanding Greek Myths, analysis of historical and contemporary interpretations of classical mythology - K.R. Jackson (with F.P.R. Just - Anthropology).

ARCHAEOLOGY OF THE MEDITERRANEAN AND W. ASIA

Archaeological Excavation of the Bronze and Iron ages site of Tell Ahmar on the Euphrates in Syria - G. Bunnens.

49
History and archaeology of Syria-Palestine before the Greek conquest - G. Bunnens.
Architecture and urbanism in Bronze and Iron Age Syria - G. Bunnens.
History and archaeology of the Euphrates area in Syria - G. Bunnens.
Archaeological excavation at Jebel Khalid North Syria - P.J. Connor.
The Kellis (Ismant el-Kharab) Isocrates - K.J. McKay.
Cypriote Antiquities in Melbourne - A.G. Sagona.
The prehistory of Trans-Caucasus - A.G. Sagona.
Archaeological excavation and survey at Pompeii, Gubbio and Taormina in Italy - F.B. Sear.
The Cypriot Bronze Age - J.M. Webb.
Cypriote Antiquities in Australian Collections - J.M. Webb.

AUSTRALIAN PREHISTORY


BYZANTINE STUDIES

The fate of the main synagogues in the wake of the capture of Jerusalem by the first Crusaders - A. Ehrenkreutz.
The Chronicle of Malalas - R.D. Scott.
The Chronicle of Theophanes - R.D. Scott.
Cyril of Scythopolis - C.J. Stallman-Pacitti.
Life of Pancratius of Taormina - C.J. Stallman-Pacitti.

ANCIENT GREEK AND LATIN LITERATURE AND LANGUAGE

The Epigrams of Callimachus - K.J. McKay.
Hellenistic Greek literary symbolism - K.J. McKay.
Latin Satire - J.R.C. Martyn.
Palaeography & Textual Criticism - J.R.C. Martyn.
The Epistles of Horace - P.J. Connor.
Propertius - P.J. Connor.
Virgilian Studies - C.J. Mackie.
Roman and Etruscan Studies - C.J. Mackie.
RENAISSANCE LATIN & PORTUGUESE LITERATURE

The Latin Poems of André de Resende - J.R.C. Martyn.
The Siege of Mazagão - J.R.C. Martyn.
The Itinera of Janus Secundus - J.R.C. Martyn.

FOLK LITERATURE AND TRADITIONAL GREEK SOCIETY

Greek-Australian Folklore - A. Chatzinikolaou, E. Gauntlett.
Preparation of a critical concentric edition of S. Doukas' prose-work:
A Prisoner's Story - A. Chatzinikolaou.
Modern Greek folksong and rebetika - E. Gauntlett.
Compilation and critical annotation of a corpus of rebetika verses -
E. Gauntlett and A. Chatzinikolaou.

TWENTIETH CENTURY MODERN GREEK LANGUAGE AND LITERATURE

Computer-assisted literary analysis of post-war prose - J.B. Burke.
Computer parsing of Modern Greek language - J.B. Burke.
Primitivism in 20th century modern Greek literature -
A. Chatzinikolaou.
Profile of the Greek language in Australia (National Languages
Institute of Australia project) - E. Gauntlett.

GREEKS IN AUSTRALIA

The educational attainments of Greek-Australians - J.B. Burke.

HEBREW AND ARAMAIC LANGUAGES: TEXT AND VERSIONS
OF BIBLICAL AND RELATED LITERATURES

Computer-Assisted Tools for Septuagint Studies - J. Jarick
The 'Upper-Egyptian' Text of the Septuagint - R.G. Jenkins.
Edition of Greek and Coptic texts from the Dakhleh Oasis -
R.G. Jenkins.
A Septuagint lexicon - T. Muraoka.
An edition with translation of Hexameron by Jacob of Serugh -
T. Muraoka.
A Biblical Hebrew lexicon of Abraham Ibn Ezra - T. Muraoka and
Z. Shavitsky.

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MODERN HEBREW LANGUAGE AND LITERATURE


PUBLISHED WORKS

Books


Chapters of Books


Articles


MARTYN, J.R.C. - "Another Echo Poem by Resende", in AUMLA 72, 336-7 (1990).

MARTYN, J.R.C. - "Author Corrections by Resende", in Humanitas 42, 77-9 (1990).


AWARDS


THESIS PASSED FOR HIGHER DEGREE

Master of Arts

TURNER, A.J. - The Iohannis of Corippus.

THESIS IN PROGRESS

Doctor of Philosophy

ACKLOM, G. - British travellers in Palestine 1680-1825.
ADAMTHWAITE, M.R. - Role and function of the palace in late Bronze Age Syria.
BALABANSKI, V.S. - A study of the eschatology of St Matthew's Gospel.
BYRNE, S.G. - Roman Athens.
COWELL, N.J. - A History of Lemnos and Imbros under Athenian Domination.

FIFIS, C. - The development of the poetics of Yiannis Ritsos.

GAUGHWIN, D. - Trade in Tin, Gold, Precious Minerals and Timber: Regional Archaeology in N E Tasmania.

HEWSON, B. - The Sermon of the Mount & the Shema.

KEPALAS, M. - Near-Eastern iconographic symbols originating in the 4th & 3rd millenia.

KINGSLEY, M. - The conflict between the modern emergent secularist ideologies and traditional Rabbinic religious values in Israel.

MCKENZIE, L. - Hellenistic period in northern Iraq.

MICHAEL, D. - The image of the musician in the modern Greek tradition.


PERRETT, M.C. - Aristotelian causation.

SAKELLAROPoulos, C. - Late Byzantine and post Byzantine secular Literature.

SALMOND, P.D. - The Athenian Board of Generals.


SUNDERLAND, A. - The Psalter Commentary of Daniel of Selah - translation and study.

TURNER, A. - The emperor Domitian in contemporary and second century Roman literature.

VASILAKAKOS, J. - Narrative techniques in the works of Nikos Kazantzis.

Master of Arts

ANASTASIOS, A. - The video as an archaeological tool.

ATTENBOROUGH, D. - Medical omens in ancient Mesopotamia.

BOURNE, C. - An analysis of the use-wear of tools from Mt Gog, Tasmania.

BROOKE, W. - Lucretius. Poet and Philosopher.

CARLYON, B.L. - A critical bibliography to the Argonautica of Apollonius Rhodius.

CONSTANTINIDIS, D. - Computer-aided study of archaeological stratigraphy.

DIMITRIOU, M. - Modern Greek prose (post war).

DOLOPOULOS, P. - Techniques of foreshadowing and suspense in Homer.

ENIZLIS, D. - Late Nineteenth century prose-fiction.

GLYNN, M. - Neo-Assyrian royal palaces.

HAYMES, C. - The Iron Age at Tell Nebi Mend, Syria.

JAMIESON, A.S. - The Early Bronze Age pottery of Northern Syria.

KALMAN, F. - Satire and realism in the works of Mendelei Mocher Sefarim.

KATSILIS, A. - Godparenthood in the Melbourne Greek and Italian communities.

KEPALAS, M. - The Ahar culture and the Deccan Chalcolithic in India.
KINGSTON, M. - Corpus of middle and late Bronze age cylinder seals found in Israel since 1948.
McCUTCHEON, A. - A study of the translation of Virgil’s Aeneid (Book IV) into English, from W. Caxton (1485) to the present.
MILIDES, I. - The poetry of K. Montis.
PAIVANAS, D. - The silent text of Rebetika.
PIERIS, D. - Greek-Australian folk culture.
O’SULLIVAN, P.D. - Homer and Geometric Art.
PRETTY, S.C. - Poetic form and theological insight in the early poems of Jeremiah.
SILVAS, A. - The rule of St Benedict and the rule of St. Basil.
SMITH, J.N.C. - Bronze and iron artefacts from the Euphrates area in Syria.
SPENCER, G. - John of Dara’s Treatise “On the Soul”.
WARNEKE, M. - Propertius Book 4 and Callimachus.

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL - Excavations at Jebel Khalid, N.Syria.
ARC - Compilation and critical annotation of a corpus of rebetika verses.
ARC - Olympiodorus of Alexandria, Commentary on Plato’s Gorgias, translation and commentary.
ARC - Vergil and the Etruscans.
ARC - Archaeological Investigation in the Gümüşhane Region, northeastern Turkey.
ARC - Archaeological excavations at Tell Nebi Mend, Syria.
ARC - Archaeological excavations at Tell Ahmar, Syria.
ARC - Archaeological excavations at Ismant el-Kharab, S.-W. Egypt.
ARC - The Life and Latin poems of André de Resende.
CRIMINOLOGY

LIST OF RESEARCH STAFF

Professor:
A. FREIBERG

Associate Professor:
K. POLK

Readers:
S.W. JOHNSTON
S.A. LOVEGROVE

Senior Lecturers:
C.M. ALDER
J.W. KERSTEN

Lecturers:
D.N. GREIG
S.P. JAMES
K. LASTER
R.G. SMITH

Tutors:
S.E. COOK
F.S. HAINES

RESEARCH IN PROGRESS

COMMUNITY-BASED CRIME PREVENTION
The management of crime, fear of crime and security on public housing estates - S.P.James

EMPLOYMENT, YOUTH AND DELINQUENCY
Changes in youth labour markets and the implications for youth alienation - K.Polk
Socio-economic determinants of violence - C.Alder

HISTORY OF CRIMINOLOGY
Capital cases in Victoria: The operation of the death penalty - K.Laster

JUVENILE JUSTICE SYSTEMS
Violence in Juvenile Institutions - J.W.Kersten
Educational programmes for young offenders - S.E.Cook
Net-widening effects of deinstitutionalisation and diversion programmes - K.Polk

LAW ENFORCEMENT
Reform and counter-reform in police unions - S.P.James
Police-juvenile programmes - S.P.James

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MULTICULTURAL ISSUES IN CRIMINOLOGY

Interpreters in the criminal justice system - K.Laster
Illegal immigrants - K.Laster
War Crimes in Australia - K.Laster
The basis for a "cultural defence" in the Australian criminal justice system - K.Laster

PROCESSES OF LAW REFORM

Community consultation and reform of the criminal justice system - K.Laster

PROFESSIONAL REGULATION

Legal and ethical issues in medicine - R.G.Smith

PSYCHIATRY AND THE LAW

Preventive Detention and the Community Protection Act - D.N.Greig
Ethical issues in forensic psychiatry - D.N.Greig
The historical development of psychiatry - D.N.Greig
The development of case-law by the Mental Health Review Board - D.N.Greig
Transfers of prisoners between jail and psychiatric hospitals - K.Laster

RESEARCH METHODOLOGY

Qualitative research in criminology - J.W.Kersten
Feminism and research methodology - C.M.Alder

SENTENCING AND PENOLOGY

Judicial studies - S.A.Lovegrove
Structuring judicial sentencing discretion - S.A.Lovegrove
Development of detailed sentencing statistics and numerical guidelines - S.A.Lovegrove
Penal theory - S.W.Johnston
The success of prisons - S.W.Johnston
Gender specific patterns of institutional environments for young male and female offenders - J.W.Kersten
International developments in crime prevention and criminal policies - J.W.Kersten
Drug Use and problems of re-integration - C.M.Alder

UNITED NATIONS LAW ENFORCEMENT

Prevention and enforcement action under the Charter - S.W.Johnston
The United Nations Criminal Code - S.W.Johnston
Human Rights - S.W. Johnston

VICTIMOLOGY

Rights and Responsibilities of Victims - S.W. Johnston
Rejoining civil and criminal process - S.W. Johnston
Offender Restitution - S.W. Johnston
Homeless youths as victims of violence - C.M. Alder

WOMEN AND CRIME

Sexism in criminal and juvenile justice processing - C.M. Alder
Drugs and social control of women - C.M. Alder
Gender and violence - C.M. Alder
Infanticide - K. Laster

THE STUDY OF VIOLENCE

Self-defence classes and violence prevention - J. Kersten
Homicide in Victoria - K. Polk
Work death and criminal negligence - K. Polk and F. Haines

WHITE COLLAR AND CORPORATE CRIME

Criminal Forfeiture and Confiscation - A. Freiberg
Insider trading and financial fraud - K. Polk

OCCUPATIONAL HEALTH AND SAFETY

The need for criminal prosecution of both death and injury in the workplace - F. Haines
The impact of traumatic fatalities on multiple employee workplaces - F. Haines

PUBLISHED WORK

Book


Chapters of Books


Articles


Reports

JAMES, S.P. - "A Zonal Guide to the Management of Security." A report to the Director, Policy and Programs, Housing and Construction Victoria, Department of Planning and Housing, pp. 59 (May 1991).

READ, H. and ALDER, C.M. - "The Re-Integration Problems of Drug Using Young Offenders". Submitted to the Research into Drug Abuse Program of the National Campaign Against Drug Abuse, Canberra: pp. 102 (November 1991)

THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

HARTLAND, N.G. - A Discourse Analysis of the Magistrates’ Court

Master of Arts

ATKINSON, R.L. - The Imprisonment of Aboriginal Women in Western Australia
BAKER, J.M. - Filicide in Victoria
BARTHOLOMEW, T. - Guilty Pleaders in Melbourne Magistrates' Courts
BEYER, L. - Community Policing in Victoria
RING, J. - Dealing with Child Abuse in Victorian Primary Schools
WELLS, D. - Child Witnesses and Videotechnology
WHITLA, M. - Psychologists' Responses to Suspicions of Child Sexual Abuse

THESES IN PROGRESS

Doctor of Philosophy

ACQUAAH-GAISIE, G. - The right to development
GALBRAITH, C. - Judicial decision-making and sentencing discretion
HEATH, J. - Models of assistance for victims of institutionalised violence
NIBLO, D. - Security in the hospitality industry
NWOSU, B. - The regulation of hard drugs

Master of Arts

BALLENDEN, N. - The operation of the Mental Health Review Board
COLLINS, J.M. - Sentencing of incest offenders
COWIE, M. - Juvenile delinquency
DRATSAS, M. - Suicide and Coronial procedure
EDWARDS, E. - The juvenile justice system
GELMAN, G. - A conceptualisation of the investigation of complaints against police and the police accountability process and its implications for reform
HAINES, F. - The impact of work-related employee death on corporate culture
HOWLETT, C. - Staff perspectives of the work environment in correctional institutions for young men
PERRONE, S. - The possibility of prosecution for manslaughter in cases of work death
TSARDAKAS, L. - A legal response to parental physical and sexual abuse
YOUNG, A. - Problems in a prison environment

SUBSTANTIAL GRANTS RECEIVED

CRIMINOLOGY RESEARCH COUNCIL - Confrontational Homicide in Victoria

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LIST OF RESEARCH STAFF

Professors:
S.T. KNIGHT
K.K. RUTHVEN
C.K. WALLACE-CRABBE

Honorary Professor and Professor Emeritus:
G.H. RUSSELL

Reader:
P.D. STEELE

Senior Lecturers:
D.N. BENNETT
M.J. CAMPBELL
T.J. COLLITS
M. DOVE
S.C. DURING
K.D. GELDER
K.L. GOLDSWORTHY
R.M. GROVE
R.D. JORDAN
G. KINNANE
B.J. MUIR
P.J. OTTO
M.T. TOMLINSON
S.J. TRIGG

Lecturers:
S.K. MARTIN
L.M. MCCREDDEN

Lockie Lecturer in Australian Writing:
P.S. MEAD

Tutor:
G. D’CRUZ

Professorial Associates:
I.W. REID
C. PROBYN

Senior Associates:
H. DOW
T.B. TOMLINSON

Associates:
D.L. ENGLISH
E.L. JONES
T.J. KELLY
H. MACLEAN

Research Fellow:
P.M. BUCKLEY

Research Assistants:
E. DAY
V. NELSON
L.J. SUSSEX

RESEARCH IN PROGRESS

OLD ENGLISH LITERATURE

An edition of a tenth-century manuscript, MS 3501 of the Library of the Dean and Chapter, Exeter, for University of Toronto Press, Old English Texts Series; 2 volumes - B.J. Muir
The use of Biblical and Liturgical language in two Exeter Book poems - B.J. Muir
The Phillipps’ manuscript of Eadmer’s Vita Sancti Wilfridi in Australia - B.J. Muir
A history of the development of the Book of Private Prayer in England and France to 1200 A.D. - B.J. Muir

62
MEDIEVAL LITERATURE

Biblical interpretation: the Old Testament - M. Dove
Alexander Nequam Super Cantica - M. Dove
The making of Geoffrey Chaucer: the exemplary history of Medieval Studies - S.J. Trigg
Medieval English poetry, collection of critical essays for Longman Critical Readers - S.J. Trigg
Singing clearly: Chaucer, Dryden and a rooster's discourse (forthcoming Exemplaria 1993) - S.J. Trigg

SIXTEENTH CENTURY LITERATURE

Inscribing imperfection: Sir Walter Ralegh and the Elizabethan court (forthcoming in English Literary Renaissance) - M.J. Campbell
Spenser and Ireland - M.J. Campbell
Problems of completion and incompletion in English Renaissance poetry - M.J. Campbell
Shakespearean comedy - T.J. Kelly
Shakespearean transmutations - P.D. Steele

SEVENTEENTH CENTURY LITERATURE

Literature and meditation in late seventeenth-century England - R.D. Jordan
Seventeenth-century political and religious writing, especially from 1630s to 1660s - T.B. Tomlinson

EIGHTEENTH CENTURY LITERATURE

Pope and his enemies - R.M. Grove
Transcription and travesty: mocking up a century (forthcoming in Eighteenth Century Life) - P.D. Steele
Samuel Richardson's women - M.T. Tomlinson

NINETEENTH CENTURY LITERATURE

Joseph Conrad and the literature of imperialism - T.J. Collits
Scott, Stevenson and the Covenanters - K.D. Gelder
The Brontes - R.M. Grove
Names of childhood: Emily Bronte - R.M. Grove

TWENTIETH CENTURY LITERATURE

To the Wasteland, (forthcoming in Horizon series, Oxford University
FACULTY OF ARTS

Press and Sydney University Press) - R.M. Grove
The poetics modern poetry - C.K. Wallace-Crabbe

ABORIGINAL AUSTRALIAN WRITING

Discourses of the sacred: a study of the representations of the sacred, looking at contestations centred on sacred sites in Australia - K.D. Gelder (with J. Jacobs)

AUSTRALIAN BIOGRAPHY

Edouard Borovansky (forthcoming in Australian Dictionary of National Biography) - R.M. Grove
Biography of the Australian artist Colin Colahan - G. Kinnane

AUSTRALIAN LITERATURE

Patrick White (for Oxford University Press) - S.C. During
On David Ireland, (for University of Queensland Press, 1993) - K.D. Gelder
Contemporary Australian fiction by women - K.L. Goldsworthy
Biography of Marjorie Barnard - K.L. Goldsworthy
Helen Garner's fiction (for O.U.P.) - K.L. Goldsworthy
Adam Lindsay Gordon - R.D. Jordan
A study of the literary culture of the Victorian goldfields in the second half of the nineteenth century - R.D. Jordan
A critical study of the fiction of George Johnston (for University of Queensland Press) - G. Kinnane
A social history of Australian crime fiction - S.T. Knight
Concepts and constructions of environment and landscape in nineteenth-century fiction - S.K. Martin
Australian Literature: Deconstructing James McAuley (forthcoming Oxford University Press) - L.M. McCradden
Dorothy Hewett - L.M. McCradden
Editing a revision of A Map of Australian Verse by James McAuley, Oxford University Press - P.S. Mead
Kendall's sublime melancholy (forthcoming in Henry Kendall, ed. by Russell McDougall - P.J. Otto
Peter Porter (for Oxford University Press) - P.D. Steele
Gwen Harwood (for Oxford University Press) - S.J. Trigg
Imaginary places - C.K. Wallace-Crabbe
General series editor, Australian Writers (Oxford University Press) - C.K. Wallace-Crabbe

64
CULTURAL STUDIES

Psychoanalysis and money - D.N. Bennett
Autonomy/complicity: aspects of modernist and postmodernist culture - D.N. Bennett
Cultural studies reader (forthcoming Routledge) - S.C. During
Australian Shakespeares - M.J. Campbell and P.S. Mead
Relations between early film and high cultural novel: history and theory - S.C. During
Reading vampire fiction (forthcoming Routledge Popular Fiction series, 1994) - K.D. Gelder
Literature as/and subculture - K.D. Gelder
Dancing on graves: imperialism, injury and entertainment - R.M. Grove
The moment of Melbourne: a social literary history - R.M. Grove
Future textualities: a study of the discipline of English in Australia - L.M. McCredden (with H.B. Kerr)
Robin Hood: social bandit and gentleman bandit, a book on the traditions of Robin Hood - S.T. Knight
Odysseus' children: the tropes of travel - P.D. Steele
Horn Gate, Ivory Gate: the tongues of desire - P.D. Steele
The 'tall poppies' legend and Australian culture - C.K. Wallace-Crabbe

DRAMA

Shakespeare as text and theatre performance - T.J. Collits
Crossing the interface: Shakespeare and educational practices (forthcoming The Critical Review 32, 1992 - R.M. Grove
Semiotics of space in theatre performance - H. Maclean

LITERARY THEORY

Marxism and poststructuralism - T.J. Collits
A feminist critique of the new historicism - M.J. Campbell
The effect of Michel Foucault's work on literary studies - S.C. During
Literature against culture, University of California Press (forthcoming) - S.C. During
Foucault and literature, Routledge (forthcoming) - S.C. During
The pseudo-authentic literary text as a literary critical problem - K.K. Ruthven
Nuclear criticism - K.K. Ruthven

ROMANTICISM

Nineteenth-century shadows - R.M. Grove
Re/framing the frontispiece to Blake's Europe - P.J. Otto
A cacophony of voices: the multiple births of Los in The Four Zoas (forthcoming in Studies in English Literature, 1500-1900) - P.J. Otto

65
Image and text in Blake's *The Four Zoas* - P.J. Otto
The ideology of the imagination - P.J. Otto
The personality of Keats - C.K. Wallace-Crabbe

**STUDIES IN POSTCOLONIALISM**

Writing against colonialism in American, Irish and Australian literature - D.N. Bennett
Postcolonialism and Indian fiction - S.J. Collits
Frank Sargeson (forthcoming Auckland University Press) - S.C. During
Rousseau and colonialist ideology (forthcoming) - S.C. During
The post-colonial intellectual: the politics of cultural criticism - E.A. Maxwell
Post-colonial women writing: a study of five settler colonial women novelists - E.A. Maxwell
The debate on current theories of colonial discourse (forthcoming in *Kunapipi*, 14(1), 1992) - E.A. Maxwell
Cultural overconfidence - C.K. Wallace-Crabbe

**TEXTUAL EDITING**

*Bold Robin Hood*, an edition of the major texts in the Robin Hood tradition - S.T. Knight
*The Vision of Piers Plowman*: the C Text - G.H. Russell

**WOMEN'S STUDIES AND FEMINIST THEORY**

Subverting the plot: Dymphna Cusack's popular fiction (forthcoming) - M.J. Campbell
Female careers: Aphra Benn, Jean Rhys, H.D. - M.J. Campbell
Women's words: a local anthology (forthcoming) - L.M. McCredden (with M. McCarthy)

**PUBLISHED WORK**

*Books*


Chapters of Books


67
RUTHVEN, K.K. - Ultradisciplinary imperatives, in Border Crossing: Studies in English and Other Disciplines, ed. J. Barnes, La Trobe University Press, Bundoora: 3-13 (1991)

Articles

ANSON, S.G. - The postcolonial fiction, Arena, 96: 64-68 (1991)
BENNETT, D.N. (with J. Stephens) - Editorial: postcolonial critique, Arena, 96: 5-7 (1991)
COLLITS, T.J. (with D.N. Bennett) - The postcolonial critic: Homi Bhabha, interviewed, Arena, 96: 47-63 (1991)
MAXWELL, E.A. - From cannibalism to biculturalism, Arena, 96: 89-104 (1991)

Reports

DURING, S.C. - New Zealand Literature, Landfall, 45(2) 176-181 (1991)
KNIGHT, S.T. - The state of the Humanities, Education Australia, 5-7 (1990)

THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

CERUTTY, D.M. - Aspects of the Tradition of Merlin
MATIC, M.C. - The Cantos and the Real
MATTHEWS, D.O. - Aspects of Sir Gawain and the Green Knight
MAXWELL, E.A. - Postcolonial Intellectuals: the Politics of Cultural Criticism

Master of Arts

ABBOTT, S. - Non-Jewish Zionism and English literature
FERNANDEZ, J. - Another Alphabetical Appraisal
HALL, M. - The Outsider: Jean Rhys and Good Morning Midnight
HERKT, D. - Thomas de Quincey: The construction of Self and Self-Hermeneutics in Suspiria de Profundis.
JEFFERSON, A. - Journeys to Paradise: In Search of Heaven in the N-town Plays
MESZAROS, T. - Inland Tracks: Gender and Landscape in Australia: a Look at the Effects of Gender on Landscape and of Landscape on Gender in Texts by Gerald Murnane and Robyn Davidson
RAVELL, J. - Emily Dickinson
ROFFE, P.J. - Aspects of Religious Ideology in Shakespeare's Second Tetralogy
SALONEN, J. - H.D.: a Jungian Reading
WOOD, H. - Body and soul in Julian of Norwich

THESES IN PROGRESS

Doctor of Philosophy

ANSON, S. - Postwar Indian Fiction
ARMSTONG, P. - The dissemination of Latin American Literature in Europe
BEAVEN, S. - The fiction of Frank Moorhouse
BRADMORE, D. - Douglas Stewart at the Bulletin
COLE, C. - Thomas Hardy: superstition, sex and stereotype
CONNOR, M. - Rhetoric and history: the difference between now and then
EXCELL, S. - James Picot 1906-1944
ELLIOTT, H. - Literary and political biography of Dymphna Cusack
FLUHR, R. - The legacy of Tagore
FUNSTON, A. - The A.B.C. and the construction of the citizen: a study
of policy texts and programming
GARDNER, R. - Theory in ruins: the rhetoric of romanticism in
construction of postmodernist fiction
GILBERT, R. - Humanistic constructions of technology
HERKT, D - Thomas de Quincey/William Burroughs: first and last
HILL, C. - Uniting Australian identity: fiction, autobiography
and biography
HOGAN, E. - Experimentalism in Australian women's writing
HORNE, M. - Three archetypal relations: the development of structure
and meaning from Wuthering Heights and Jane Eyre to Villette
JORGENSEN, K. - Science and literature: the case of H.G. Wells
KING, E. - Literary theory in Old English literature
LARCOMBE, W. - Disrupting tradition: the production and circulation of
oppositional writing in Australia
LITTLET, A. - Construction of popular culture and its ideological
function
MAGEE, A. - Disclosure and concealment in some modern Australian
authors
MCCANN, A. - Contextualising academic "labour"
MCINTYRE, S. - Horror films and postwar youth subcultures
MINCHINTON, M. - Performance, space and the construction of meaning
MOORE, G. - Thomas Keneally
MUCLAIA-SMITH, G. - Australian production of French theatre, criticism
MUNCASTER, T. - Literature and consumption
MURRAY, G. - Evolutionary theory and the mid to late Victorian novel
NAYLOR, W. - The fiction of Nathaniel Hawthorne and the question of
representation
NEVOLA, H. - Gertrude Stein and Julia Kristeva: disruption of symbolic
language
NEWTON, J. - The Sylvia Plath industry
NOTSIS, C. - John Fowles
PERTZEL, B. - Middle English poetry and the 'gentleman editor'
PHIDDIAN, R. - Swift and parody
PIROLLA, M. - A two-directional perspective: a comparative study of
the colonial experience in Australia and the USA
RAVELL, J. - US Latin relations: a critical survey of the US
neo-colonialism on Latin American fiction
SADEDIN, A. - Alchemy in later medieval literature
SOLITY, J. - The development of adult literacy, ESL and community
publishing facilities for women
STARKEY, R. - Representations of travel in Chaucer's Canterbury Tales
STEPHENS, L. - Violence and selfhood: a study of De Sade in an
Enlightenment context
TIPPETT, H. - Ford Madox Ford
VARNEY, D. - Feminism and theatre
WASHINGTON, P. - Historicising the Shakespearean romance
WATSON, B. - Meanjin and fiction to 1975
WILSON, A. - The prose of Adrienne Rich
FACULTY OF ARTS

Master of Arts

ANDERSEN, M. - Ezra Pound, modernism and fascism
AUSTEN, L. - Drama and fairy tales
BALL, M. - King Arthur
BARNES, D. - Seventeenth century literature
BAUSOR, D. - The topos of the unrepresentable
BEARD, K. - John Skelton and the fifteenth century
BENDALL, S. - The novels of Barbara Fym
BROPHY, K. - Questions relating to rewriting: textual scholarship and editing processes
CADWALLADER, B. - The dragon as motif in medieval literature
CAROLL, L. - The life and writings of Cynthia Nolan
CHRAMBANIS, J. - Nathaniel Hawthorne: the voice of the old man trying to teach something
CIPOLLA, J. - Patrick White and other novelists
CLOUGH, D. - Nature and development of fifteenth century literary prose, concentrating on texts printed by Caxton
COHN, C. - Theodore Roethke
COLLER, I. - Victorian fiction
CURNOW, S. - Coleridge and Maurice Blanchot
CURTIS, P. - The play of the text in child’s play
CUTTING, F. - Three popular women novelists’ views of women
DAY, E. - Cross-dressing
D’CRUZ, G. - Politics, postmodernism and performance
DENSLEY, K. - Charlotte Brontë
ELLIMAN, M. - Science fiction
FENSHAM, R. - Public performance
GRONOW, M. - Fourteenth century theology and Piers Plowman
HARRIS, R - Chaucer’s dreams and visions
HINDI, A. - Southern American literature: with special reference to Carson McCullers
HOGARTH, B. - Theoretical problems raised by conjunction of feminism and psychoanalysis
HOLLOWAY, C. - Censorship, representation/power
JACOBS, J. - Othello and Performance
JOHN, B. - Postcolonial writing
KANE, G. - Subject construction in the twentieth century
MACDONELL, K. - Modernism and Patrick White
MANTON, K. - Julian of Norwich and Kristeva
MCCALLUM, R. - Spirituality: the key to the understanding of Henry James’ The Wings of the Dove
MCDONALD, E. - Celtic spirituality and healing in early Celtic literature
MCKENNA, E. - Writing and performance
O’CONNELL, L. - The other woman
ODELL, D. - The literary absolute and post Romanticism
PARKER, G. - Australian women writers
PIERSON, M. - Feminist postmodernism
POLITIS, A. - Australian/Greek writing
RAINE, M. - A feminist reading of Pearl
RAPAJIC, V. - Miles Franklin’s war experience in the Balkans
SEXTON, C. - Morality and society in the novels of Jane Austen
STEPHENSON, C. - Joseph Conrad
TIMMINS, A. - Postcolonial theory and Aboriginal/Asian writing
VALLENCE, T. - Poetry and criticism of Vincent Buckley
WATKINSON, N. - Women in medieval romance
WEST, P. - Kristeva, abjection and the midwife
WICKHAM, M. - Elizabeth Jennings
YARDI, A. - Jane Austen

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL - A Critical Edition of the C-Version of Piers Plowman
AUSTRALIAN RESEARCH COUNCIL - A Social History of Australian Crime Fiction
AUSTRALIAN RESEARCH COUNCIL - An Edition of Exeter, Dean and Chapter MS 3501 (The Exeter Book), with Annotated Texts, Transcript, and Historical and Codicological Introduction
AUSTRALIAN RESEARCH COUNCIL - The Pseudo-Authentic Text as a Literary Critical Problem
AUSTRALIAN RESEARCH COUNCIL - Narrative Geography: Real and Imaginary Places in Australian Literature
AUSTRALIAN RESEARCH COUNCIL - A series of Scholarly Editions of Major Australian Texts, Works Which Have Been Neglected and Also Unavailable Editions of Better-Known Texts
AUSTRALIAN RESEARCH COUNCIL SMALL GRANT - Biography of the Australian Artist Colin Colahan
AUSTRALIAN RESEARCH COUNCIL SMALL GRANT - A Case Study in the Relation between High and Popular Culture: The Emergence of Film in the Context of Contemporary Theatre, Illustration and Novel, and the Impact of Film on Novel Writing.
AUSTRALIAN RESEARCH COUNCIL SMALL GRANT - The Ideology of Imagination
FINE ARTS

LIST OF RESEARCH STAFF

Professor:
M. MANION

Reader:
A. GALBALLY

Senior Lecturers:
R. BENJAMIN
L. COURSE
J. HOORN
D. MARSHALL

Lecturers:
D. EICHBERGER
A. INGLIS
C. McAULIFFE
R. MCKENZIE
A. NDALIANIS
C. O'BRIEN
R. ZUBANS
D. GOODMAN *

Senior Associates:
U. HOFF
B. SMITH

Associates:
K. COLLYER
A. HASS
E. KANE
F. ST JOHN MOORE
M. RIDDLE
F. CARO
B. MARSHALL
T. O'DONNELL

Research Fellows:
C. CARTER *
R. SLOGGETT †
V. VINES
S. BAILEY *
G. FOLEY *
D. WATSON *

Senior Research Assistant:
H. MADDOCKS

* The Australian Centre
† The Ian Potter Art Conservation Centre

RESEARCH IN PROGRESS

AUSTRALIAN ART AND CULTURE

A biography of Sir Redmond Barry (1813-1880) - A. Galbally.
Origins and early development of public museums, libraries and
galleries in Australia - A. Galbally
Sea and shore in Australian in Australian Art - U. Hoff.
The Art of Leonard Lloyd Annois - U. Hoff.
The idea of the pastoral in Australian painting - J. Hoorn.
Gender and artistic practice in Australia - J. Hoorn.
Aboriginal and Koori Art and Culture - J. Hoorn.
Materials analysis and provenance documentation for authentication of
Australian Paintings c. 1850-1920 - R. Sloggett, T. O'Donnell and
H. Maddocks (with A. Klein Physics).
The Life and Art of Noel Counihan - B. Smith.
The Pacific and the European Imagination - B. Smith.
Australian Art in its social setting - B. Smith.
The Art of Emanuel Phillips Fox - R. Zubans.
Multiculturalism and Australian Art Galleries - D. Eichberger.
Melbourne Framemakers 1850-1920: A Handbook - R. Sloggett,
H. Maddocks.
The Politics of Dispossession - S. Bailey

MEDIEVAL AND RENAISSANCE ART

Margaret of Austria, Female Patron and Art Collector in the Burgundian Netherlands - D. Eichberger.
The Winged Altarpiece in the Burgundian Netherlands - D. Eichberger.
Weavers, Painters and Patrons - The Production of Artistic Tapestries in the Burgundian Netherlands - D. Eichberger.
Psalter Illumination in the prayer books of Jean de Berry - M. Manion.
Devotional Texts and Images for the Royal Family in 14th and 15th century France - M. Manion.
Art, Worship and the Book in Medieval Culture - M. Manion, C. O'Brien, and V. Vines.
Forgery and Restoration in Medieval Manuscripts - M. Manion and H. Maddocks.
A Missal by the Master François School - H. Maddocks.
Patronage and the Papal Court of Julius II - C. O'Brien.
Image and Ritual Performance in Renaissance Tuscany - C. O'Brien.
Humanist Manuscript Decoration - C. O'Brien.
The production of illuminated manuscripts in fifteenth century Besançon - V. Vines.

SEVENTEENTH AND EIGHTEENTH CENTURY ITALIAN ART

European Painting before 1800 in the National Gallery of Victoria - U. Hoff.
Tivoli and Landscape Painting in the 17th-18th Centuries - D. Marshall.
Filippo Napoletano and the Development of the Italian Hell-Landscape in Seventeenth Century Italy - A. Ndalianis.

NINETEENTH AND EARLY TWENTIETH CENTURY ENGLISH AND FRENCH ART

The colonising aesthetic: orientalism and modernist painting, 1890-1930 - R. Benjamin.
Pre-Raphaelite works in Australian and New Zealand Public Collections - A. Inglis.

(LATER) TWENTIETH CENTURY ART

Art and mass culture in the 1960s - R. Benjamin.
Contemporary Public Art - A. Hass
Australian art and mass culture of the 1960s, largely concentrating on
design, television and counter-cultural movements. - C. McAuliffe.
Art of the Intellectually Disabled and its relation to 20th century
avant-garde art - C. McAuliffe.
Australian art of the 1980s - C. McAuliffe.
Art of the 1950s - C. McAuliffe.
Contemporary art in Melbourne and organisation of exhibition at the
Victorian Centre for Photography - C. McAuliffe.

PUBLISHED WORK

Books

GOODMAN, D., D.J. O'HEARN and C. WALLACE-CRABBE (eds) - Multicultural
Australia - The Challenges of Change, Scribe Publications, 236 pp
MANION, M.M. and B.J. MUIR eds - Medieval Texts and Images Studies of
Manuscripts from the Middle Ages, Harwood Academic and Craftsman
House, Melbourne and Sydney: 224 pp. 24 colour and 84 black and white
SMITH, B. - Australian Painting 1788 - 1990 (with T. SMITH). Oxford
UNDERHILL, N. - Making Australian Art 1916-49, Oxford University

Chapters of Books

CARTER, P. - "Promoting the Plains Review: Aspects of Editorial
Responsibility", in Outside the Book; ed. David Carter, Local
CONDON, V. - "An Unusual Pentecost Cycle in a Fourteenth Century
Missal", in Medieval Texts and Images Studies of Manuscripts from the
Middle Ages, Harwood Academic and Craftsman House, Melbourne and
GOODMAN, D. - Chapter and co-written introduction in: Mission to the
South Seas: The Voyage of the Ship Duff; eds. Michael Cathcart,
David Goodman and Tom Griffiths. Melbourne History Department
FLETT, A.R. - "The Significance of Text Scrolls: Towards a Descriptive
Terminology", in Medieval Texts and Images Studies of Manuscripts from the
Middle Ages, Harwood Academic and Craftsman House, Melbourne and
MCDONALD, K. - "Et Verbum Caro Tactum Est: the Prayer-book of
Michelino da Besozzo", in Medieval Texts and Images Studies of
Manuscripts from the Middle Ages, Harwood Academic and Craftsman

Articles

CARTER, P. - "Acoustic Futures: Sound, noise and urban design", in Artlink: vol.11, no.4, pp. 12-13 (December 1991)
McAULIFFE, C. - _The St Kilda City Collection_, St Kilda City Council, St Kilda: 1 pp. (1991).


THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

MCGUIRE, M. - _The Legend of the Good Fellow Missus: White Woman's perceptions of Black Women (1830-1940)_

THESES IS PROGRESS

Doctor of Philosophy

CONDON (SYME), V. - _The illustrative programmes of a group of 14th century missals of Roman and Franciscan use._

FAGAN, D. - _Moral rights of the Artist._

GRAY, A. - _George Lambert: Catalogue of oils and works on paper._

MARSHALL, C. - _The Paintings of Domenico Gargiulo 1609/10-1675._

McLEAN, I. - 'Progress' and 'Primitivism': Aboriginality in myths of modernity.

McLELLAN, D. - _Last Judgement Fresco Cycle of Luca Signorelin in Orvieto Cathedral._

NAUGHTON, J. - _Manuscripts of the Monastery of Saint-Louis de Poissy._

NDALIANIS, A. - _Filippo Napoletano and the "hell-Landscape" in Italy in the 17th century._

PICOT, J. - _The Art of Hilda Rix Nicholas._

ROBERTS, M. - _Orientalism in English Painting._

RUSSELL, S. - _Pietro da Cortona and the Vista Landscape._

78
STAIFF, R. - Visual Culture in South Australia 1836-1850.
STOCKS, B. - The early development of the Italian Book of Hours.
SWEELY, G. - Toward a more Australian Home Ballarat Residential Architecture: 1915-1940 (The Architects and Influences).
SWIFT, A. - The Inter-relationship and interaction of artist's design for the theatre from Pablo Picasso to David Hockney.

Master of Arts

BARNES, C. - The impact of international design theory on modernist aesthetics and practice in Australia between the two world wars.
BEDNAROWICZ, R. - A History of the medium of Printmaking in Australian Art Schools with a particular emphasis on Victoria.
BERGER, K. - Puvis de Chavannes.
BETKA, U. - Images, Sanctity and the Cult of St Catherine of Siena.
CHRISTIENSEN, P. - Masculinity and the Australian Artist 1890 - 1920.
COLLINS, A. - The Art of George Lambert.
FIELD, C. - The Production of Monotypes
JOHNSON, R. - Luca Giordano.
JORDAN, C. - Amateur Women Artists of Tasmania 1830-1870.
McPHerson, B. - The Photographs of Nicolas Caire.
MURRAY, M. - James Cant and the experimental years 1931-50.
NIEHOF, P. - The Influence of German Art and Culture in Victoria 1880-1920.
PENNINGS, M. - The Art of Charles Wheelan.
SCOTT, M. - The Art of George Coates (1869-1930) and Dora Meeson Coates (1869-1955).
STEPHENS, C. - Ideologies in Modernism in American Art.
TOMKINS, M. - Representation of Aboriginal People, 19th Century Victoria.
WHITE, A. - The production and replica of Aboriginal Art in postmodern contexts.

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL (ARC) - Migration and Language.
AUSTRALIAN RESEARCH COUNCIL (ARC) - Art, Worship and the Book in Medieval Culture.
AUSTRALIAN RESEARCH COUNCIL (ARC) - Patronage in Australian Art.
AUSTRALIAN RESEARCH COUNCIL (ARC) - Materials Analysis and Provenance documentation for authentication of Australian paintings.
AUSTRALIAN RESEARCH COUNCIL (ARC) - Forgery and Restoration of Medieval Manuscripts.
J. PAUL GETTY POSTDOCTORAL FELLOWSHIP - History of Art and the Humanities.
SPECIAL INITIATIVES GRANT (UNIVERSITY OF MELBOURNE) - The Case of Margaret of Austria (1480-1530) - Female Patron and Art Collector in the Burgundian Netherlands.
SPECIAL INITIATIVES GRANT (UNIVERSITY OF MELBOURNE) - Pre-Raphaelite Works of Art in Australia and New Zealand Public Collections.
LIST OF RESEARCH STAFF

Emeritus and Honorary Professor:
C.R. DUCKWORTH

Associate Professor:
W.A. TRINDADE

Senior Lecturer:
D.K. KEUNEMAN

Lecturers:
S.A. SAGONA
M. BURSTON
G.M. ROCHECOUSTE

Senior Associates:
P.A. CLANCY
M.H. GIROUX
S.J. SCOTT
C.B. THORNTON-SMITH

RESEARCH IN PROGRESS

MEDIEVAL LITERATURE AND CULTURE
Richard I Coeur de Lion, literary connections - W.A. Trindade and M. Giroux
The Angevin Empire - social and political aspects - W.A. Trindade and M. Giroux

GENERAL LINGUISTICS
The historical present (special focus on French) - M. Burston
Aspects of French as spoken by young people - M. Burston
Speech act verbs - M. Burston

APPLIED LINGUISTICS
Development of French grammar lessons for IBM PC's (and compatible) (with J. Burston) - M. Burston
Computer adaptive grammar test (university level) (with J. Burston) - M. Burston
A comparative study of grammatical errors made by beginner and post-beginner students - S.A. Sagona
French influences in the Italian of the "Terza Sponda" - S.A. Sagona

FRENCH-AUSTRALIAN STUDIES
The Comte de La Chapelle and Australia - P.A. Clancy
Analytical checklist of French fiction and pseudo-memoirs set in colonial Australia - P.A. Clancy and C.B. Thornton-Smith
French fiction and pseudo-memoirs set in colonial Australia - (book-length study) - P.A. Clancy and C.B. Thornton-Smith (Completed)
Paul Wenz, French-Australian Novelist - D.K. Keuneman
French religious orders and their influence on the teaching and popularisation of French in Melbourne - S.A. Sagona
The Australian illustrations of Gustave Doré - C.B. Thornton-Smith
Edited translation of the Australian episode in Albert Robida’s Voyages très extraordinaires de Saturnin Farandoul - C.B. Thornton-Smith.

EIGHTEENTH CENTURY STUDIES

Mme Le Prince de Beaumont, Mme de Genlis and the education of princes - P.A. Clancy
Critical edition of L’Enfant prodige for the Complete Works of Voltaire with Dr. M.-R. Labriolle-Rutherford - C.R. Duckworth
Critical edition of Voltaire’s Nanine for the Complete Works of Voltaire with Dr. M.-R. Labriolle-Rutherford - C.R. Duckworth [completed]
Horace Walpole’s Historic Doubts on the Life and Reign of Richard III: bilingual edition, with translation by Louis XVI, and unpublished contemporary marginal notes. - C.R. Duckworth

THEATRE STUDIES

A comparison of Mme de Genlis’ Zélie and Mrs Inchbald’s The Child of Nature - P.A. Clancy
Anglo-French drama criticism, 1950-1980 - C.R. Duckworth
Etude rapportologique des oeuvres jouables de Samuel Beckett - C.R. Duckworth [Completed]
The Face in the Ashes: Revealing Beckett - C.R. Duckworth.
Qui est Asmodée dans Asmodée? - C.B. Thornton-Smith

MODERN FICTION

English and French interpretations of the nexus between moral crisis and literary creativity in François Mauriac - C.B.Thornton-Smith
Gauguin dans la mémoire et les mémoires de Mauriac - C.B. Thornton-Smith
PROFILES OF STUDENTS OF FRENCH

A comparative study of beginner and post-HSC (VCE) students of French in terms of ethnic and socio-economic background, academic achievement and motivation - D.K. Keuneman and S.A. Sagona

HERMENEUTICS IN LITERATURE

Methodology of literary analysis of texts - G.M. Rochecouste
The semiotic analysis of textual spaces - G.M. Rochecouste
The semiotics of the 'Fall' - G.M. Rochecouste
Female representation in French narrative fiction and drama - G.M. Rochecouste

CREATIVE WRITING

Murder mystery: Untwisting the Double Helix - G.M. Rochecouste (with professional writer Hazel Edwards et al.), under the pseudonym P.A. Gregg

PUBLISHED WORK

Books


Chapters of Books


Articles


DUCKWORTH, C.R. - Review of Samuel Beckett's As the Story was Told (Calder), in The Age, 13 October 1990. p 11


Conference Paper


Creative Writing


THESIS PASSED FOR HIGHER DEGREE

Master of Arts

MACLEAN, J.M. - La vérité des Voleurs d'or et d'Un Deuil au bout du monde (1877) de Céleste de Chabrillan comme témoignages sur l'expérience vécue dans le Victoria des années 1850.

MALANO, M.E. - Symbols of the Absurd
THESIS IN PROGRESS

Doctor of Philosophy

PORCHER, M.-J. - The theme of exile in Michel Butor
NAULLS, C.A. - Les liaisons dangereuses - an analysis of three plays
based on the novel by Choderlos de Laclos (Ancelot, 1834; Nozière,
1907; Achard, 1950)
ANDREWS, C.S. - Four twentieth century poets

Master of Arts

GRAHAM, E.A. - Myth in the Mémoires of Talleyrand.

B. ITALIAN SECTION

LIST OF RESEARCH STAFF

Professor: T. O'NEILL

Senior Lecturers: D. BRESSAN

Senior Lecturers: S. KOLSKY

Lecturer: A.M. SABBIONE

Visiting Fellow: S. RIZZI

Senior Tutor: S. SOLOWKO

Senior Associate: FR. E.J. STORMON

RESEARCH IN PROGRESS

MODERN ITALIAN LANGUAGE - SOCIO-LINGUISTICS AND METHODOLOGY

A contrastive analysis of certain syntactical, prosodic and
stylistical features of English and Italian - D. Bressan
Italiano popolare - S. Rizzi
Computer-aided language teaching and learning - A.M. Sabbione
Linguistic patterns and linguistic differentiations in standard
Italian - A.M. Sabbione.
MEDIEVAL AND RENAISSANCE LITERATURE

A critical edition of two Renaissance treatises on chastity - S.D. Kolsky
Dance and music in Castiglione's *Book of the Courtier* - S.D. Kolsky
Late fifteenth-century Italian treatises on women - S.D. Kolsky
Early Italian humanism with special reference to the contribution of the Greek migrants in Italy, particularly Cardinal Bessarion - E.J. Stormon
Translation of two works by Cardinal Bessarion with a view to the first biography of him in English - E.J. Stormon

EIGHTEENTH-CENTURY LITERATURE

The politics of Goldoni's theatre - S.D. Kolsky

TWENTIETH-CENTURY LITERATURE

Farce and politics in the theatre of Dario Fo - S.D. Kolsky
Theatrical tradition in the plays of Luigi Pirandello - S.D. Kolsky
The representation of politics in Umberto Eco's *The Name of the Rose* - S.D. Kolsky
The prehistory of Leonardo Sciascia's literary career - T. O'Neil
The modern Sicilian historical novel - T. O'Neil
Sereni, Bigongiari, Parronchi: Commemorative poetry - T. O'Neil
Luzi and Dante - T. O'Neil
Ideologies, resoluteness and aboulia in Volponi's writing - A.M. Sabbione
Technology, society and the contemporary writer - A.M. Sabbione.

PUBLISHED WORK

Books


Articles

THESES IN PROGRESS

Doctor of Philosophy

MACKIE, A.J.B. - Alessandro Parronchi: his poetry and its relation to his art criticism.
MUSOLINO, W. - Cesare Pavese: city women, country girls.
PAGLIARO, A. - Realism in Federico De Roberto.
SIDDELL, F. - Sense of place in Buzzati and Morante.
SOLOWKO, S. - Divided identity: a comparative investigation of the immigrant literature of the Italian and Scandinavian communities in Australia.

Master of Arts

LIST OF RESEARCH STAFF

Professors:
M.J. WEBBER
J.R.V. PRESCOTT

Readers:
E.C.F. BIRD
B.L. FINLAYSON

Senior Lecturers:
G.J. MISSEN
R. FINCHER
N. J. ENRIGHT
A. STUTTERD

Lecturers:
J.M. JACOBS
J. WOODFULL

Professional Officer:
E.M. ELLAWAY

Chief Technical Officer:
N.E. GREEN

Senior Associate:
T.M. PERRY

Associate:
S.L. DAVIS
E.M. WEBSTER
D.F. PRESCOTT

RESEARCH IN PROGRESS

ECONOMIC AND SOCIAL GEOGRAPHY

Class and gender relations in the community service provision of the local state - R. Fincher
The local state and inner city redevelopment - D. Batten
Housing and services for Aborigines in Melbourne - R.L. Hansford
Food security the state and development - G.J. Missen, and M. Mead
Technical change, restructuring and profitability in Australian manufacturing Industries - M.J. Webber
Incorporation into labour markets of newly arrived immigrants - I. Campbell, R. Fincher and M.J. Webber
Ideology and Urban Planning - J. Wilks
Manufacturing and East Asian economic development - G.J. Missen, M.J. Webber and Zhu Ying
Housing tenure, social inequality and social action - I. Winter
Big firm-small firm linkages in East Asia - G.J. Missen
Women in migration - R. Fincher

GEOGRAPHY AND EDUCATION

Children's capacities to use different types of atlas maps - A. Stutterd, P. van Noorden
Issues seen by children as significant to themselves, to Australia and the world - A. Stutterd
HISTORICAL AND POLITICAL GEOGRAPHY

Delimitation of Aboriginal clan boundaries and land claims - S.L. Davis and J.R.V. Prescott
Historical Geography of Australia in the late eighteenth and early nineteenth centuries - T.M. Perry
A cartobibliography of maps of Australia in books printed between 1788 and 1850 - T.M. Perry and D.F. Prescott
Australian maritime boundaries and the rights of traditional Indonesian fishermen - J.R.V. Prescott
Regional geography of Africa - J.R.V. Prescott
The role of heritage values in contemporary urban transformation - Dr J.M. Jacobs
"Discourses of the Saved": exploring the social construction of the Aboriginal saved site. - Dr Jane M. Jacobs and Dr K. Gelder

PHYSICAL GEOGRAPHY

Documentation and analysis of Coastline Changes - E.C.F. Bird
Physical and human impacts of a rising sea level - E.C.F. Bird
Geomorphological evolution of the southeastern highlands of Australia - F.G. Fabel
Karst hydrology and geomorphology - E.M. Ellaway, B.L. Finlayson, Li Shu and M.E. Thurgate
Global hydrology - B.L. Finlayson
Granite weathering - B.L. Finlayson
Environmental applied hydrology - B.L. Finlayson
River Channel changes - B.L. Finlayson and S.O Brizga
Hydrogeology of alluvial aquifers in the Gippsland Basin - L. Hodgson
The age and stratigraphic significance of sea-rafted Loisels pumice in Nth New Zealand - N.J. Enright
Nutrient cycling n Kauri (agathis australis) forests - N.J. Enright
Population ecology of Nikau palm (Rhopalostylis sapida) in Nth New Zealand - N.J. Enright
Population ecology and ecophysiology of Banksia species in the northern sandplains of W. Australia - N.J. Enright
The soil seedbank of fire-prone open woodlands/heathlands of the Nth Grampians, Victoria - N.J. Enright

ENVIRONMENTAL MANAGEMENT

Management of coastal resources, notably cliff hazards - E.C.F. Bird
Impact of land use changes on hydrology of Bogong high plains - R. Lawrence
Site rehabilitation after mineral sand mining - N.J. Enright
Measuring and Managing Visitor Pressure on Aboriginal Rock Art Sites - Dr J.M. Jacobs and Prof. F. Gale
Fire management and flora conservation in fire-prone woodlands/heathlands - N.J. Enright
Documentation of sites of special scientific significance - N.J. Rosengren
Theory of environmental conflict - M.J. Webber and G.J. Missen
Effects of population growth and Immigration on Australian cities and environments - R. Fincher

PUBLISHED WORK

Books


Chapters of books


PRESCOTT, J.R.V. and BIRD, E.C.F. - The influence of rising sea levels on baselines from which national maritime claims are measured and as assessment of the possibility of applying Article 7(2) of the 1982 Convention on the Law of the Sea to offset any retreat of the baseline, in International boundaries and boundary conflict resolution; ed. C. Grundy-Warr, International Boundaries Research Unit, Durham: 279-300 (1990).
Articles


Reports

BIRD, E.C.F. - A bibliography on the geomorphology of the coast of Victoria, Department of Geography, University of Melbourne, Melbourne: 12pp (1990).
FINLAYSON, B.L. and MCMAHON, T.A. - The effects of the 1983 bushfires on sedimentation and water yield in the Mt Macedon catchments. Macedon Water Board. 40 pp (1990)
THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

BRIZGA, S.O - River channel changes in Gippsland since European settlement
DAVIS, S.L. - Aboriginal boundaries and frontiers in the Northern Territory
ELLAWAY, E.M. - A study of the hydrochemistry of the limestone area, Buchan, East Gippsland
LAWRENCE, R. - The effects of land use practices on the hydrological behaviour of the Bogong High Plains
WINTER, I.C. - Social Action and the Meanings of Housing Tenure: A Weberian Analysis

Master of Arts

MORGAN, A. - Suburbanisation of retailing in Melbourne
RYAN, T.F. - Management of Victorian ski resorts
YANG, H. - China's grain production: government policies and their impact since the 1950s
ZHANG, B.Q. - Technical change and profitability in the clothing industries

Master of Science

BISHOP, M.A. - Craterform morphometry and morphology: a planetary perspective on maar volcanism and meteorite impact

THESES IN PROGRESS

Doctor of Philosophy

BATTEN, D.C. - Discourses of inner city property redevelopment: the case of Bayside
CATHCART, M. The search for the inland sea
GLEESON, B.J. - Physical disability in nineteenth century Victoria
HODGSON, L. - The hydrogeology of alluvial aquifers in the Gippsland Basin
LI, S. - Karst geomorphology of the Buchan area, Victoria
ROSENGREN, N.J. - Coastline changes due to volcanic activity
WILKS, J. - An analysis of the socio-economic and professional determinants of the ideology of urban planning: a Melbourne case study, 1946-1985
ZHANG, J.H. - Technical change and profitability in the textile industries
ZHU, Y. - Development of export processing zones in south and east Asia
Master of Arts

ATKINS, S. - Food consumption among Melbourne's poor
CHETTY, M. - Technical change and the position of women in Fijian agriculture
FERGUSON, G. - The provision of open space in inner Melbourne
GRANT, H.L. - Immigrant women in industrial shift work
HANSFORD, R.L. - Aborigines in the urban area: a case study of Melbourne
McKERCHER, R. - Tourism as a conflicting landuse
MEAD, M. - Food security and development
RYAN, T.F. - Management of Victorian ski resorts

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL (ARC) - Class and gender relations in urban localities
ARC - Technical change, restructuring and profitability in Australian manufacturing industries
ARC - Incorporation of immigrants into the Australian labour market
ARC - History of Australian cartography, 1780-1830
ARC - Population ecology and ecophysiology of Banksia species
ARC - Soil seedbank dynamics and fire management in heathland and open woodland communities of the northern Grampians area, Victoria
GERMANIC STUDIES AND RUSSIAN

LIST OF RESEARCH STAFF

Professor:  
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W. HUSKEN  
I. KOSA  
T. MEHIGAN  
H.J. POTT  
S. WITHERIDGE

Readers:  
M. ADAMS (Dean, Arts)  
J.M. ARMSTRONG  
J.S. MARTIN

Assistants:  
N. CHRISTESEN

RESEARCH IN PROGRESS

GERMAN CLASSICAL AND ROMANTIC LITERATURE

An Investigation of C.M. Wieland's Journal Der Teutsche Merkur  
(1773-1810) - German Staff
Friedrich Schiller - C. Crewe
Semiotics and Büchner's Woyzeck - T.J. Mehigan
Eichendorff's Aus dem Leben eines Taugenichts - T.J. Mehigan

GERMAN REALIST LITERATURE

Theodor Fontane's novels - C. Crewe

GERMAN TWENTIETH CENTURY LITERATURE

Expressionist Literature - M. Adams
East German Literature - M. Adams
Kafka, Musil and Viennese Expressionism - T.J. Mehigan

DUTCH LANGUAGE AND AFRIKAANS

The history and sociology of Afrikaans - B.C. Donaldson
Grammatical exercises to appear as a supplement to Dutch reference grammar, (Martinus Nijhoff, 19872) - B.C. Donaldson

DUTCH LITERATURE
Biography of Cornelis Everaert († 1480-1556) - W. Hüsken
Edition of stories from Jacob Cats' Trou-ringh (1637) - W. Hüsken

SCANDINAVIAN SETTLERS IN AUSTRALIA
History of Scandinavians in Australia - J.S. Martin
Scandinavian ethnic literature in Australia - J.S. Martin

OLD NORSE
The riddarasögur (The Sagas of the Knights) - J.S. Martin
Old Norse heroic poetry - J.S. Martin

RUSSIAN LANGUAGE
Description of Russian affixes for English learners - P. Cubberley
The dynamics of foreign words in Russian - P. Cubberley
Language interference in the speech of Russian students with Slavic background - S. Witheridge

RUSSIAN LITERATURE AND LITERARY THEORY
Soviet literature in the 1970s - S. Witheridge

RUSSIAN BIOGRAPHY
Joint biography of Nina and Clem Christesen - J. Armstrong

SLAVONIC LINGUISTICS
Comparative acoustic phonetic study of the Slavonic languages - P. Cubberley
Development of the Slavonic alphabets - P. Cubberley
PUBLISHED WORK

Books


Chapters of Books


Articles


Reports


THESES IN PROGRESS

Doctor of Philosophy

ACKER, U. - The rush to Arcadia. German travellers in Italy 1790-1815

BROWN, R. - Formalist poetics: a question of image or reality

DOBBERSTEIN, F. - Phil-Hellenism in German literature 1830-1900

JÜBNER, M. - Von Bürger bis Biermann - Franengestalten in deutschen Balladen 1770-1990

KIRK, N. - Translation strategies for semantically untranslatable items

REID, J. - Das Werk Robert Gernhardts

STOIMENOV, I. - English interference amongst speakers of standard Macedonian in Melbourne (in varying social contexts)

Master of Arts

BARKER, I. - Ludwig Tieck's later works

CLARKE, K. - The English translations of Ursilla Wolf's narratives

HORBELT, S. - Deutsche Frauenromane

KOENE, P. - A Comparison between Hadewijch and Ruusbroek

MEUSEMANN, F. - Gegenwartssprache : DDR
RYAN, A. - Franz Kafka
TAYLOR, G. - Aspects of Russian syntax in comparison with English for teaching purposes
UPJOHN, T. - The Prussian Officer in Theodor Fontane's novels
WITTING, F. - "Gewalt" in Werk Georg Büchuers.
HISTORY

RESEARCH STAFF

Professors:
S.F. MACINTYRE

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N. VLAHOGIANNIS
R. WEBER

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S. WHEATCROFT

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N.D. McLACHLAN
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C.O. SOWERWINE

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I.G. ROBERTSON
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C.F. ZIKA

Tutors:
M. ANDREWS
M. ASHWORTH
L. BELLEAR
A. BIRCH
J. BRAIN
A. CARTON
C. COLEBOURNE
S. ERHANN
A. HAMILTON
J. HAZELGROVE
C. HEALY
D. HULL
A. KEARY
T. LEWIT
R. LINNANE
M. NEWTON
S. O'HANLON
K. READE
R. REYNOLDS
M. WELLS
F. WEST
A. WHITING
A. WORRALL

Lecturers:
M. BAKER
I.M. BRITAIN
A. FINNANE
J. FITZGERALD
J.H. FOSTER
L. HEALEY
K. HOLMES
V. MACKIE
A.J.C. MAYNE
S. SWAIN
J. TEMPLETON
P. WOLFE

Research Fellows:
J. McCAIMAN
H. RUBINSTEIN
RESEARCH IN PROGRESS

AMERICAN HISTORY

Study of Jane Adams' involvement in the Women's International League for Peace and Freedom in World War 1 - P.A. Grimshaw
American feminism in the Progressive period and post 1960 - P.A. Grimshaw
Maritime quarantine in the U.S., c. 1830-1939 - A. Mayne
European perceptions of affluence in Australia and America, 1850-1930 - A. Mayne
Early colonial American history - D. Merwick
History and postmodernism in contemporary America - D. Merwick

ANCIENT HISTORY AND PRE-HISTORY

Non-Christian mystical religion and astrology in the Roman Empire - T. Levit
The conventions of the Roman aristocracy - R. Ridley
The Pyramid of Cestius - R. Ridley
The tercentenary of the first history of the Roman Empire - R. Ridley
Hellenistic history: Mithridates VI Eupator - N. Vlahogiannis
Roman imperialism - N. Vlahogiannis
Greek and Roman historiography - N. Vlahogiannis

ASIAN/PACIFIC HISTORY

Techniques of the nationalist self in India - D. Chakrabarty
Indian labour history - D. Chakrabarty
Transformation of everyday life among the peranakan Chinese of Java - C.A. Coppel
History of Confucian religion in Indonesia - C.A. Coppel
Lives of English missionary wives in central Polynesia and New Zealand in the nineteenth century - P.A. Grimshaw
Religion and prophecy in Pacific Polynesia - G. Dening
Gender relations in Subei, 1895-1949 - A. Finnane
Nationalism, communism and collaboration in Subei, 1895-1945 - A. Finnane
State-building and the national revolution in Asia - J. Fitzgerald
Early years of the Chinese Nationalist and Communist Parties - J. Fitzgerald
Guangdong Province and the Nanjing Republican Government - J. Fitzgerald
Socialist feminist thought in Japan, 1900-1935 - V. Mackie
Themes in the History of Japanese feminism - V. Mackie
Modernity and the Malay middle class: Family, work and class in the emerging middle class in Malaysia - M. Stivens
Economic Development in the Soviet Far East - S.G. Wheatcroft
AUSTRALIAN HISTORY

A history of the Australian churches - I. Breward
A history of Christianity in Australia - I. Breward
Working class and Aboriginal Women in Australia 1850-1950 - P.A. Grimshaw
Study of the churches and feminism in the Nineteenth Century - P.A. Grimshaw
The labour movement and 'the woman question' in late nineteenth and twentieth centuries - P.A. Grimshaw
A biography of H.V. McKay - J. Lack
A study of the Melbourne social survey 1941-43 - J. Lack
The Ferry Commission into Alien Migration, Queensland 1925 - J. Lack
Italian visitors to Queensland 1900-39 - J. Lack (with J. Templeton)
Sources of Australian immigration history, 1945 to the present (expansion of vol. 1, 1900-45, published in 1988) - J. Lack (with J. Templeton)
Who went where in "Who's Who 1988": the schooling of the Australian elite - J. McCalman and M. Peel
Educating the lucky country; studies of school performance at selected government high schools and private schools, 1910-1970 - J. McCalman, with M. Peel, J. Beer, R. Teese and P. Gronn
Post-war history of Australia - S.F.F. Macintyre
History of Australian communism - S.F. Macintyre (with A. Wells)
Italians in nineteenth-century Australia - A. Mayne
The slum and the Australian city: An historical overview - A. Mayne
Collection of essays on the social history of crime, law and policing in colonial Australia, 1788-1900 - D. Philips
Biography of Maurice Blackburn, MP - C. Rasmussen
History of Melbourne University - C. Rasmussen
The history of political conservatism in Australia - H. Rubinstein
Biography of Sir John Medley - G. Serle
Biography of Colin Gilray - G. Serle
Biography of Robin Boyd - G. Serle
Biography of John Curtin - G. Serle
The treatment of single mothers and their children in Victoria 1850-1975 - S. Swain
Centenary history of Wesley Central Mission, Melbourne - S. Swain (with R. Howe)
The experience of children growing up in Victoria 1850-1914 - S. Swain
St John's Home for boys and girls, Canterbury - S. Swain
World War 1 soldier settlement schemes - J. Templeton
Italian visitors to Queensland, 1900-39 - J. Templeton (with J. Lack)
Sources of Australian immigration history, 1945 to the present (expansion of vol. 1, 1900-45, published in 1988) - J. Templeton (with J. Lack)
Italian consular representatives in Australia - J. Templeton (with J. Lack)

BRITISH HISTORY

Sugar plantations in Jamaica; the letters of absentee owner Richard Bright, 1824-1834 - J. Beer
Literary and visual images of the English public school from the Middle Ages to the present day - I. Britain
Group formation in English cultural and intellectual life from the eighteenth century - I. Britain
Biography of Richard Fox, Lord Privy Seal and Founder in 1516 of Corpus Christi College, Oxford - B. Collett
The political, theological, ideological perceptions of private understandings of English society during the sixteenth and seventeenth centuries - D.E. Kennedy
The time of Jacob's trouble - D.E. Kennedy
The making of the English County Police in the 1830s and 1840s - D. Philips

CROSS-CULTURAL HISTORY

Constructions of 'public' and 'private' in non-Western cultures - D. Chakrabarty
Post-colonialism and the discipline of history - D. Chakrabarty
English and Middle Eastern labour histories reviewed from a South Asian perspective - D. Chakrabarty
Academic refugee scholars in England in the 1930s; a study of intercultural contact - B. Falk
European, American and colonial representations of indigenous women in Australia and the Pacific in the nineteenth century as part of a discourse of imperialism - P.A. Grimshaw
Study of the impact of the American Revolution on nationmaking in other European settlements in the New World - N. McLachlan
Study of Michael Davitt's 1895 lecture tour of Australia and New Zealand - N. McLachlan
Biography of Robert Wilmot Horton, architect of the modern Colonial Office - N. McLachlan
The Imagined Slum. Newspaper representation in three cities: Britain, the United States and Australia, 1870-1914 - A. Mayne
Historical conservation in U.S. and Australian cities - A. Mayne
Biographical study of William Augustus Miles (1796-1851), investigator into crime and policing in England in the 1830s, and Commissioner of Police in Sydney, 1841-1848 - D. Philips
European images of 'the Native' in 16th century illustration - C. Zika

EUROPEAN HISTORY

Collaboration, imposed cooperation and resistance in Western Europe, with special reference to the imposed Jewish councils in the Netherlands, Belgium and France - J. Adler
A study of the literary and cultural activity of the East European Jewish intelligentsia during the reign of Alexander II, 1856-1881 - M. Baker
A critical edition of the surviving letters between Marguerite d'Angouleme, Queen of Navarre and Vittoria Colonna, 1540-1545 - B. Collett
Scholarly contacts between British and Italian Universities, 1480-1550 - B. Collett
The trials of the Knights Templar: Database codification and interpretation - A. Gilmour-Bryson
Ethnicity and national identity on the Franco-Spanish border: St-Laurent-de-Cerduns 1659-1992 - P. McPhee
Wine-growing, the environment, and the French Revolution: the Corbières region of Languedoc, 1780-1830 - P. McPhee
Biography of Bernardino Drovetti, French consul in Egypt 1803-1829 - R. Ridley
Napoleonic excavations in Rome - R. Ridley
Tyranny under the Mantle of Saint Peter: Pope Paul II and Bologna - I. Robertson
Paul II's relations with his native Venice as Cardinal and Pope - I. Robertson
Pope Paul II and the City of Rome - I. Robertson
Problems of Ecclesiastical Reform in Mid-fifteenth century Rome (the attempted reform of the Lateran Chapter) - I. Robertson
The origins of socialism and communism in Southeastern France: The Ain 1896-1936 - Demography, Industry and Politics in a rural area - C. Sowerwine
The reconstruction of Historical Identity in the USSR - S. Wheatcroft
Soviet Economic and Social History in the early 1930s - S.G. Wheatcroft
Repression under Stalin - S.G. Wheatcroft
Contemporary Soviet History - S.G. Wheatcroft
Visual representations of Witchcraft in Early Modern Europe - C. Zika
Anniversary Celebrations and Uses of the Past in Early Modern Europe - the Reformation Jubilee of 1617 - C. Zika
The Historical Anthropology of Religion in Early Modern Germany - C. Zika
Early Sixteenth-Century Nuremberg - the Environment of Albrecht Dürer - C. Zika

PUBLISHED WORK

Books

RIDLEY, R. - The historical observations of Jacob Perizonius, Accademia Nazionale dei Lincei, Rome: 120pp + 3 plates (1991)

Chapters of Books


**Articles**


Dening, G. - "ANZAC Day: An Ethnographic Reflection after reading Bruce Kapferer", in *Social Analysis*, 29: 62-7 (1990)


Healey, L.H. - "Islam, Gender and Sexuality in a Coastal Community of Peninsular Malaysia", in *Momentum*, no. 1, Department of Anthropology and Sociology, Monash University, 51-65 (1991)

MACINTYRE, S.F. - "Blood, sweat and fears", in Eureka Street, vol. 1, no. 4, 8-10 (1991)
MAYNE, A. - "An Italian Traveller in the Antipodes: An Historical Rite of Passage", in Australian Cultural History, No. 10, 58-68 (1991)
NEWTON, M.L. - "Mehitsa = Division", in Generation, Vol. 2, no. 1, 50-51, (December 1990)
RIDLEY, R. - "La révolution sans mission: Louis de Beaufort", in Index 19, 19-33 (1991)
SERLE, G. - "The confusion of Australian History", in Overland, no. 123 (1991)
SWAIN, S. - "I'm single and pregnant and ...", in Lilith: A Feminist History Journal, no. 7, 100-112 (1991)
ZIKA, C. - "Morals, Family and Education in Reformation Germany", in Readings in Senior History: European, 11, 15-23 (1991)

Reports

BREWARD, I. - "The water that unites", Uniting Church, Australia, 16pp, (1991)

AWARDS

MACKIE, V. - University of Melbourne Special Initiatives Grant - to support research on Themes in the History of Japanese Feminism
MAYNE, A. - Interactive Multimedia Development Programme Award, Interactive Multimedia Learning Unit, Centre for The Study of Higher Education, University of Melbourne

THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

DAVIES, S. - Vagrancy and the Victorians: The Social Construction of the Vagrant in Melbourne, 1880-1907
FIDDIAN, W. - Transmigration and Regional Development in Southeast Sulawesi
GLASS, M. - Thomas Bent, The Survivor: A Study of the Business and Political Activities of a Landbooming Politician
JOHNSTON, M. - "We Can Take It": The Experience and Outlook of Australian Front-line Soldiers in the Second World War
MCLAREN, M. - The London Chronicles of the Fifteenth Century: The Manuscripts, their Authors and their Aims
MARTIN, E. - Gender, Demand and Domain: The Social Work Profession in South Australia, 1935-1980
SMITH, G. - The Loyalists in Exile, 1640-1660

Master of Arts

AKAMI, T. - "Willing to be Ruled": British Imperialism and the Colony of Victoria 1880-1914
BLAINEY, A. - Julia Ward Howe and Charlotte Perkins Gillman: Contrasting Images of Women and Domesticity in Nineteenth-Century American Feminist Texts

CHAM, E. - "Your Own Little Mag." Margaret Stanley - Governor's Wife, 1914-20

CHAN, F. - Representations of Chinese Identity and Gender Among Perakan Chinese Women in Late Colonial Indonesia, 1935-42

COOHILL, J. - The Politics of Education: Party Loyalty and the Passage of the Education Act of 1870

De COURCY, C. - Evolution of a Zoo: The History of the Melbourne Zoological Gardens

DOWNIE, F. - Two Eagles: Perceptions of Nation in 14th Century England and Scotland

HATTON, J. - Murder, Morality and the Media. The Court Trial of Nan Patterson: An Ethnographic Study

KRUSE, J. - Spectacle and Slaughter: Hunting and the Court of Leo X (1513-1521)

SMITH, B. - "Adolf Hitler's Religion of the Blood"

WALSHAM, A. - "Church Papist, What Mean Ye By That?" The Significance of a Nickname in Early Modern England

Master of Arts (Women's Studies)

FRANCES, R. - Homeless Young Women and AIDS/HIV

HUGHES, K. - Towards a Theory and Practice of Feminist Pedagogy

RECHTMAN, D. - The Role of Lawyers and Non-lawyers in tribunals, with specific reference to the Victorian Equal opportunity Board

SOMERVILLE, M. - Heroines and Hopes: The significance of the Heroine in Adolescent Romance Fiction

WOOD, D. - "God is not a Boy's Name": Inclusive liturgical language in the Anglican Church in Australia

THESES IN PROGRESS

Doctor of Philosophy

ASHWORTH, M. - Images of the Soviet Union and their influence on the Australian Left

AXUP, C. - Australia in the South Pacific

BACKHOUSE, D. - Literary models of women in late medieval England

BASSETT, J. - Australian Army nurses

CAHILL, D. - The establishment of the Committee on Overseas Professional Qualifications

CARROLL, B. - The experience of exile: Canadian and American exiles in the aftermath of the 1837-38 rebellion in upper and lower Canada

CATHCART, M. - The quest for the Inland Sea

COHAN, A. - The immigrant experience in Port Phillip: The immigrants' responses 1834 - 1850

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DAVEY, G. - Urban development in 19C Hong Kong
DAVIDSON, J. - Louise Hanson Dyer of L'Oiseau-Lyre 1884 - 1962: A Life
EASTMAN, E. - The El Djem Mosaic of Months
ENRIGHT, M. - French Colonial Cambodia
GOODMAN, K. - Studies in the late Bronze Age/early Iron Age transition in the Caucasus
GREEN, J. - The discernment of spirits in fourteenth-century England
HARRISS, I. - Cricket, culture and consciousness: Anglo-Australian cricket, 1879 - 1980
HASS, J. - Egon Kisch's visit to Australia 1934-35
HAYES, B. - The Irish policy of Archbishop Carr of Melbourne
HEALY, C. - Historical Consciousness in Australia: A history
HOLMES, K. - Australian Women's Diaries, 1919 - 1945
HUGHES, V. - Democracy in industry and culture: Socialism and associativism in the Australian labour movement, 1915 - 1922
HULL, D. - "The Old Lie": Teaching children about war, 1914 - 1939
JONES, P. - A documentary life of Dr Rui Lopez (1520-1594)
JOYNSON, J. - Culture shock: The British migrant and the Australian way of life
LINDSEY, T. - Making History: K'Tut Tantri and Indonesia - an historiographical biography
MacKINNON, A.D. - 'Mitchells', Earls Colne 1650 - 1773: Life and land in an Essex village
MAY, A. - The Itinerary of Our Days: The historical experience of the street in Melbourne, 1836 - 1924
MURPHY, J. - Australian intervention in the Vietnam war
MUSTAFA, K. - Republican socialism and revolution in France
O'BRIEN, L. - Religion and community in the inner-Melbourne suburb of Fitzroy
PARNHAM, D. - Sir Henry Vane and the Meditations of God
PEEL, M. - Building a Home for Workers: The making of Elizabeth,
PROSPER, N. - French perceptions of Tahiti, 1767 - 1900
REYNOLDS, R. - Male homosexual identity in Melbourne since World War II
ROBERTSON, D. - A study of the Royal Prerogative in England
SEITZ, A. - Social networks and class as factors in the settlement process of German immigrants in Melbourne, post World War II
STEPHENS, J. - An experience of counter-culture in India
STRONG, D. - A social and cultural history of the Society of Jesus in Australia
SZABO, S. - A history of Tarentum from its foundation to Roman times
THROSBY, M. - The 'Nouvel Observateur' and French politics 1958-1972
TRIOLI, C. - A study of Brunswick's political, social and economic landscape during the interwar years 1920-1939
TRIST, S. - Winning Hearts and Minds: Worker leisure as a focus of competition between Left and Right in France in the 1930s
TYQUIN, M. - Gallipoli: The medical war
WAJSENBERG, J. - Jewish immigration from Bialystock, Poland to Melbourne, 1920 - 1966
WHITING, A. - The involvement of women in English Civil War politics

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HISTORY

WOLFE, P. - Scholarly and other representations of Australian aborigines.

Master of Arts

ADAMSON, N. - The Belgian Artist Felicien Raps
ALLIMONOS, C. - Australian and Greek migrant politics
AUSTIN, J. - The construction of homosexuality in nineteenth-century Victoria
BARNES, R. - The Australian Pharmaceutical Industry 1945-1975
BOLING, E. - The Armans Age
BRAIN, J. - "On the Northern Side of the Church": The response of women to the spiritual crisis of the twelfth century
BRODIE, M. - Attitudes towards the state of the London working-class, 1840 - 1880
CAHILL, D. - "Lucky to be Here": The Committee of Overseas Professional Qualifications in Victoria, 1969 - 1984
CARTON, A. - An analysis of the impact of immigration on the Vietnamese community in Melbourne in terms of gender roles and family patterns
CHENG, G. - Preachers in England during the Revolution
CLIFTON, A. - The development of the Australian aircraft industry
COLEBORNE, C. - Female involvement in the healing professions in early modern England, 1500 - 1700
DAVIES, N. - Britain and the crisis of imperial consciousness: India and the Far East, 1939 - 1941
DE ZILWA, D. - W.H. Auden and the Auden group of writers: A cultural history
DUNSTAN, A. - Wartime representation of women in South Melbourne
ENGLISH, J. - A comparative study of the social and economic development of Footscray (Vic) and Balmain (NSW) 1945-1960
EWING, J. - The entry of women into the legal profession in Victoria
HALL, D. - Gender relations in pre-Norman Ireland
HAMILTON, A. - Aristocratic understandings of causation as displayed by 12-14C Chronicles
HANCOCK, M. - Victorian Governors' wives
HORVATH, R. - The Intelligentsia and post-Stalinist democratisation
HURLEY, P. - Women, nationalism, and the labour movement in late nineteenth-century Australia
HUTCHINSON, F. - The construction of religious and social identity in the census of India
IRELAND, J. - The Duffy Land Act
LOVEGROVE, T. - Folklore, charms and superstition in medieval leech books
MANDEL, D. - H.V. Evatt and his role in Zionism
MANN, C. - The idea of honour in late medieval England
McCORMICK, A. - RAAF - Struggle for independence
MONK, L. - "Making Top Dog": Young women and work in the 1940s
MORRISSEY, S. - The Commission and the community: Ramifications of redevelopment in Collingwood, 1945 - 1965
NATION, L. - The political career of Sir John Latham 1922-34
NEwTON, M. - The novels of Georgette Heyer
O'BRIEn, D. - The idea of inebriety as an illness and the regulation of opiates
O'HANLON, B. - Roman imperial propaganda in the third century
O'REILLY, D. - Roman Frontiers in Britain
OMOND, P. - Practical divinity in the late sixteenth and early seventeenth century
PENROSE, H. - Aristocratic women and their Crusading experience, 1095 - 1202
QUILTY, M. - Colonial historiography in South-East Asia
RADOVANOVIC, A. - Neville Shute's novels
ROCCA, F. - The rise of early Rome
ROSS, M. - The history of Shanghai, 1937 - 1941
SMART, J. - Representations of women in Melbourne during World War II
SYMONS, C. - Women in sport: The gendering of sport in Australia 1950 - 1970s
TANNER, D. - Military experience among gentlemen in seventeenth-century England
WATERHOUSE, C. - Major themes in the sermons of Thomas Brinton
WATSON, A. - The jazz scene between 1937 and 1950
WILLS, S. - The religious thought of William Morris
WISE, H. - Work in Auschwitz
WYSZOGRODZKI, K. - Post-war Poland: Nationalism, ethnicity, religion
YEyKELIS, I. - Odessa's contribution to the economic, cultural, intellectual development of Russia during change and revolution, 1890 - 1920

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL (ARC) - MACINTYRE, Dr S.F. (with Dr. A.D. Wells, Wollongong) - History of Australian Communism
ARC - SOWERWINE, Dr C.O. - Industrialisation in Oyonnax (France) 1896-1936: Family, Society and Politics in a Developing Rural Area
ARC - GILMOUR-BRYSON, Dr A. - Templar Trial Testimony. Computer-Assisted Analysis Prosopographical Database and Geographical Inventory
ARC - FITZGERALD, Dr J. - Locality and Nation: Local Administration in Guangdong Province and National State Building in the Chinese Republic, 1911-37
ARC - WHEATCROFT, Dr S. G. - The Reconstruction of Soviet History in the USSR
ARC - Dr. Crimshaw, Dr Aveling, and Dr Lake - Historical investigations of poor and working-class rural and urban Australian women of European and Aboriginal Origin, 1850 to 1950.
ARC - Dr S. Stivens - Modernity and the Malay Middle Class: Family, Work and Class in the Emerging Middle Class of Malaysia
HISTORY AND PHILOSOPHY OF SCIENCE
(and ANTHROPOLOGY)

LIST OF RESEARCH STAFF

Professor:
R.W. HOME
K.P. KOEFFING (resigned)

Readers:
H.P. KRIPS
H.E. LE GRAND

Senior Lecturers:
K.R. HUTCHISON
F.P.R. JUST
E.D. LEWIS
J. SAPP
G.B. SHARP
H.R. VERRAN

Lecturers:
R. BASTIN
J. COLLIER
A. DUGDALE
K.E. KUAH
J.R.T. LOVE

Senior Archivist:
G.J. MCCARTHY

Senior Associates:
J.C. POTTAGE
H.C. BOLTON
F.J. CLENDINNEN
M. EISEMBERG

Associates:
B. BERGMAN
P. CROTTE
J.M. DIXON
L. GILBANK
R.P. GILLESPIE
T.G. HARDING
M.M. MACCALLUM
J.T. RADFORD
R.P. ROBERTSON
J.A. SPINK
A.M. TAYLOR
R.R. TRAIL
G.K. ZOLLSCHAN

Visiting Research Fellows:
L.M. DANFORTH
L. GEARY

Tutor:
M.C. PATTERSON

Researcher:
S. MAROSKE

RESEARCH IN PROGRESS

AUSTRALIAN SCIENCE AND TECHNOLOGY

History of Physics in Australia - H.C. Bolton; R.W. Home and
R.P. Robertson
History of Biology - J.M. Dixon; L.R. Gillbank and M.M. MacCallum
The correspondence of Ferdinand von Mueller - R.W. Home and S. Maroske
Records of Science in Australian Repositories - G.J. McCarthy
Chemistry in Australia in the nineteenth century - J. Radford
History of CSIR Tribophysics laboratory - J.A. Spink
PHILOSOPHY OF SCIENCE

General Philosophy of Science - J. Collier; F.J. Clendinnen; H.P. Krips; H.E. Le Grand; and J. Love
Philosophy of Biology - J. Clendinnen and J. Collier
Philosophy of Language - H.R. Verran
Philosophy of Physics - H. Krips and J. Collier
Philosophy of Psychology - A-M. Taylor
Ethics of Science and Technology - A-M. Taylor
Philosophy of Social Theory - H.P. Krips and G.B. Sharp
Prehuman Knowledge Mechanisms - R.R. Traill

HISTORY OF SCIENCE

History and Social Studies of Mathematics - J. Pottage and H.R. Verran
History and Social Studies of Medieval and Early Modern Science - K. Hutchison
History and Social Studies of Modern Life Sciences - M.M. MacCallum and J. Sapp
History and Social Studies of Modern Earth Sciences - H.E. Le Grand
History and Social Studies of Modern Physical Sciences - R.W. Home and J. Collier
History of Social Sciences - J. Love
Rhetoric in Science - H.P. Krips; H.E. Le Grand and J. Sapp
Social History of Medicine - L. Geary and S. Maroske
Studies on Historical Scientific Instruments - H.C. Bolton
Einstein and Metaphor in the 1920s - R.R. Traill
Rhetoric - R.R. Traill

SOCIAL THEORY

General Theoretical Issues of Social Theory - H.P. Krips; J. Love and G.B. Sharp
Social Theory - Interdisciplinary Studies - K.R. Hutchison and H.R. Verran
Recent Social Theorists - H.P. Krips and G.B. Sharp
Classical Social Theorists - J. Love

ANTHROPOLOGY

The Hindu Temple complex of Munnesvaram, Sri Lanka - Ritual Aesthetics and Mythical Paradigms in a Hindu/Buddhist Interaction - R.N. Bastin
Millenarianism and Hindu Eschatology - R.N. Bastin
Development and Tradition in Sri Lanka - R.N. Bastin
Conflicting Claims to Ethnic Identity - Greeks and Macedonians in Multicultural Australia - L.M. Danforth
Traditional Healing in Cambodia - I.M. Eisenbruch
The Ethnography of Meganisi, Lefkada, Greece - F.P.R. Just
Interpretative Approaches to Classical Mythology - F.P.R. Just
Ideological Change among the Overseas Chinese in the Special Economic Zone in China - K.E. Kuah
Overseas Chinese Capital and Rural Development in China - A Case Study - K.E. Kuah
Impact of Overseas Chinese Capital in the Xiamen Special Economic Zone, China - K.E. Kuah
The Revival of Ancestor Worship in Rural China - A Case Study - K.E. Kuah
Commodification of Domesticity - Feminism and Gender Relations in the Asian Context - K.E. Kuah
Women and Protestant Buddhism in Singapore - K.E. Kuah
From "Instant Asia" to "Food Paradise": A Reinvention of Tradition: From Colonialism to Tourism in Singapore - K.E. Kuah
State and Religion: Protestant Buddhism in Singapore - K.E. Kuah
Chinese Kinship and Lineage Organisation: Structural Continuity between Mainland and Overseas Chinese - K.E. Kuah
Annotated Bibliography of Chinese works on Anthropology of China - K.E. Kuah
The Mythic Histories of the Ata Sikka, Flores, Eastern Indonesia - E.D. Lewis
Cultural Ecology of the Tana 'Ai Valley, Flores, Eastern Indonesia - E.D. Lewis
Lexicography of Sara Sikka (the Sikkanese language of Flores, Eastern Indonesia) - E.D. Lewis
The Analysis of Large-Scale Rituals in Tana-'Ai, Flores, Eastern Indonesia - E.D. Lewis
Kinship Theory in the Light of the Ethnography of North Ambrym, Vanuatu - M.C. Patterson
The History of European Contact in Ambrym - Vanuatu and in Relation to Cosmological Beliefs - M.C. Patterson
The Construction of Gender in Colonial and Post-Colonial Vanuatu - M.C. Patterson
The Sociology of Mysticism with Special Reference to Cabbala - G.K. Zollschan
Cabbalistic Influences on Sir Isaac Newton's Conception of Space - G.K. Zollschan and S. Jacobson (Deakin)

PUBLISHED WORK

Books


Chapters of Books


**THESES PASSED FOR HIGHER DEGREES**

**Doctor of Philosophy**

JAMES, P. - The social relations of nationalism and the nation-state.
LI, Y. - The spread and influence of Western modern science and technology in China

**Master of Arts**

BUBANDT, N.O. - The SOA. The organisation of political and social space in North Moluccas
GEORGE, A. - The concept of social justice in contemporary economic thought
KING, W. - Sellafield and childhood cancer: Scientific controversy and rhetoric
LECKEY, M. - Quantum mechanics and the consilience of inductions
SHARPE, A. - Tectonostratigraphic tenanes on the west coast of North America: A modification of plate tectonics theory
WALLACE, R. - Amateurs vs. professionals in the history of Australian ornithology

**THESES IN PROGRESS**

**Doctor of Philosophy**

BUCHANAN, R. - The MMPI and personality assessment in American clinical psychology 1930-1965
BUTCHER, B. - The reception and impact of Darwinism in Australia 1860-1900
CADDICK, A. - The reproductive technologies and woman's body
COTTON, P. - A social and theoretical analysis of the naturalistic and interpretive paradigms in clinical psychology
CRONIN, M. - The character of civility: an essay on the social and political thought of Max Weber
HISTORY AND PHILOSOPHY OF SCIENCE (and ANTHROPOLOGY)

De BONDY, E. - Women as Patrons: Women as Clients. Female identity in a small French Provincial Town
GANGULY-SCRASE, R. - Hemanata Sarkar Lane: The ethnography of an urban settlement
GILL, G. - Media and cultural symbolism
GIUSTI, W.L. - Analysing socio-cognitive research networks for biomedical research policy
GREIG, D.N. - Deinstitutionalisation of the mentally ill: policies and practice
HAZELGROVE, J. - Breaking the spirit: the cultural context of English spiritualism 1870-1945
HILL, F.E. - Comparative study of two peasant villages undergoing sudden transition from subsistence farming to urbanised living
HOLMES, D. - Post-structuralism as ideology
HUMPHERY, J.K. - Social history of post-war Australian culture and the notion of individualism
HUTNYK, J. - Fieldwork debates and theory: With reference to popular culture studies in India
IMBERGER, H. - Interpretation, understanding and rationality in the social sciences
JACKSON, C.S.N. - History of physics: challenges to the earth sciences
KASAPGIL, A. - Change and persistence in Eastern Anatolia: Can Shawak Nomadism survive?
KING, W. - The controversy over nuclear power and childhood cancer 1985-90
MCCANN, D. - Michael White and his contributions to cytogenetics and evolutionary theory
MCLAREN, D. - The role of agricultural and scientific institutions in colonial Australia
MALIKOTSINAS, A. - Realist philosophy and the interpretation of quantum mechanics
NAYLER, M. - Theories of muscle function in the late seventeenth century
PARK, H.J. - The creation - science controversy in America
ROBIN, E. - The impact in Victoria of the rise in environmental consciousness: The Little Desert affair and its consequences
SCRIVA, T. - Rationality and modernity
SHARPE, A. - Geo-politics and the sinking of the geosynclinal theory
SHERRAIT, T. - Atomic energy in Australia 1945-1953
STEVENSON, M. - State initiated change among the Tibetans of Qinghai Province
SYSAK, J. - The natural philosophy of Samuel Taylor Coleridge
TAKE, H. - Reactions to social change and development in a Japanese community

Master of Arts

ALVAREZ, J. - Women in science
ANDERSON, W. - The great white experiment: medical science, race and the Australian tropics 1902-1920
CLARKE, S. - Functional explanation in the social sciences
COLLINS, Y.M.J. - The state of people's health in Bendigo 1851-1907

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CONDYLIS, D. - The significance of extra-phenomenological and non-positivistic philosophies and science in the formation of H. Brock's "The Death of Virgil"
CONEY, C. - Habermas, Lacan and Foucault on Freud's role in the 20th century "language revolution"
HEATH, G. - Hermeneutics and objectivity in the social sciences
LEE, S-I. - Social impact of tourism in Singapore
LI, K. - Cultural communication in China: A case study of family planning
LYNCH, M. - Heidegger on Being
MCCLURE, R.J. - The dental profession in Victoria
MULCAHY, D. - Information technology and the construction of self/culture
SAVAGE, A. - The impact of aid and AIDS on women's health in the Lao Pdr (Laos)
STEPHENS0N, G. - Scientific credit and rationalisation of resources in scientific research
SWANCOTT, M.W.L. - History of anthropology in Australia
VAKKAS, S. - The sociology of science and the controversy over theories of mass extinction of species
WILSON, A. - Theory of scientific knowledge

Master of Science

KARAMARKOS, K. - The rhetorical character of geological texts
MARTIN, I. - What is stress? Endocrinology versus Psychology
RATHBONE, D.A. - Theories of the subject and the possibility of machine consciousness
SUTHERLAND, W. - Bell-type inequalities in physics

SUBSTANTIAL GRANTS RECEIVED

IAN POTTER FOUNDATION - Developing Spencer Project.
MUSEUM OF VICTORIA COUNCIL - Developing Spencer Project.
M.A. INGRAM TRUST - Verification of Mammals Computer Data Base.
COMMONWEALTH SERUM LABORATORIES, WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH, NATIONAL LIBRARY OF AUSTRALIA, IAN POTTER FOUNDATION - Australian Science Archives Project.
LIST OF RESEARCH STAFF

Visiting Professor:  
A. DAVIES

Associate Professor:  
M. DURIE

Senior Lecturer:  
N. EVANS  
P.G. KELLY  
T. McNAMARA

Lecturers:  
S. DÖPKE  
R. GARDNER  
A. ISAAC  
I. PEJROS  
N. PIPER  
M. SMITH  
L. STIRLING  
J. TAPPER

Associates:  
M. GARNER  
A. LIDDICOAT  
W. McGREGOR  
T. QUINN

Research Fellows:  
A. BROWN  
C. CORBEL  
C. ELDER  
T. LUMLEY  
J. McQUEEN

Senior Tutors:  
S. PRICE  
N. STORCH

Tutor:  
R. NORDLINGER

RESEARCH IN PROGRESS

AUSTRALIAN ENGLISH

A revised phonetic Orthography for Australian English - M. Durie

BILINGUALISM

The Native Speaker  pp. 300 - A. Davies  
Language differentiation in a bilingual child - S. Döpke  
Piloting the 'cognitive interaction' hypothesis with respect to bilingual first language acquisition - S. Döpke  
Processes in the acquisition of word order, negation, verb inflection and case marking by a German-English bilingual child - S. Döpke  
Individual difference or environmental influence: evidence from the simultaneous acquisition of two languages - S. Döpke  
A bilingual child's struggle to comply with the 'one parent-one language' rule - S. Döpke  
Development of a language development profile of German-English bilingual children - S. Döpke  
Approaches to first language acquisition: evidence from dependent clause development in simultaneous bilingualism - S. Döpke
COGNITIVE SCIENCE

The production and perception of prosody in a normal and hemisphere-damaged population - L. Stirling, R. Wales and G. Kinsella

DISCOURSE ANALYSIS

Conversational analysis of talk-back radio - A. Brown, S. Döpke, A. Liddicoat, K. Love
Organisation of conversation, particularly argument, in Aboriginal languages - N. Evans
The issue of natural data collection - R. Gardner
An investigation into the complexity of writing tasks expected of students in 'non-Arts' faculties in the University of Melbourne - M. Smith

DISCOURSE, PRAGMATICS, COGNITION AND GRAMMAR

Grammaticalisation of part of speech categories in Oceanic languages - M. Durie
Typology of disambiguation strategies in grammar and discourse - M. Durie
A functional account of verb serialisation - M. Durie
Discourse strategies and grammatical structures in Acehnese - M. Durie
Ellipsis and syntactic theory - N. Evans
Interaction of social and discourse deixis with pragmatics - N. Evans
Extensions to Discourse Representation Theory - L. Stirling
Temporal reference and episodes in discourse - L. Stirling
The implications of decay in processing for formal theories of discourse - L. Stirling
The functional complexity of switch-reference systems - L. Stirling

ENGLISH AS A SECOND LANGUAGE

Using language-based approaches to teach literature - A. Isaac
Writing processes of ESL students - P. Kelly
Process theory and genre theory: approaches to understanding composing in a second language - P. Kelly
Oral discourse of a NESB laboratory demonstrator: discourse domain survival - J. Tapper
Developing a self-access listening program for university students whose first language is not English - S. Price
Design of a series of teaching units based round the learning cycle, and concentrating on information processing in an academic context - M. Smith

ENGLISH FOR SPECIFIC PURPOSES

Theory, curriculum design and pedagogy - P. Kelly
**ETHNO-LINGUISTICS**

Ethnolinguistic survey of Chinese provinces of Sichuan and Yunnan - I. Pejros
The general theory of ethnolinguistics - I. Pejros

**HISTORICAL LINGUISTICS AND LANGUAGE CHANGE**

A reconstruction of proto-Aceh-Chamic - M. Durie
The comparative method: theory and practice - M. Durie
Linguistic borrowing from Macassan and other Austronesian languages into North Australian languages - N. Evans
Historical relationships of Australian languages - N. Evans
Semantic change in Australian languages; developing a method for reconstruction based on polysemy in multiple language systems - N. Evans
Insusordination - the development of subordinate clause types as main clauses - N. Evans
Syntactic change in Australian languages - N. Evans
Reconstruction of proto-Gunwinjguan verbal morphology - N. Evans
The linguistic prehistory of South-east and East Asia - I. Pejros
The theory of linguo-archaeological investigation - I. Pejros
On correlation of linguistic and archaeological reconstructions in South-East Asia - I. Pejros
Proto Lolo-Burmese and the origins of the Bronze Age of Yunnan - I. Pejros
Austronesian accent - I. Pejros
Proto Chinese and its archaeological attribution - I. Pejros
Mon-Khmer and proto Bruu - I. Pejros
Vietnamese etymological dictionary - I. Pejros
South-East Asia: historical linguistics. Completion of an English translation of a book length manuscript, pp. 500 - I. Pejros
Grammatical diffusion and divergence in Torres Strait languages: an investigation of Kala Lagaw Ya - L. Stirling

**LANGUAGE LEARNING**

Incentives for language learning in upper-secondary school - A. Brown and J. McQueen

**LANGUAGE TEACHING**

Using drama techniques and video to integrate spoken communication skills in second/foreign language teaching - A. Isaac
Effective methods of teaching vocabulary to language students - drawing on theories of morphology and semantics - N. Storch

**LANGUAGE TESTING**

The identification and validation of micro-skills in a test of reading comprehension - T. Lumley
Applications of item response theory in language test analysis: item analysis, student placement, diagnosis - T. Lumley and A. Brown

The development and validation of test materials and training of assessors for the occupational English test for health professionals - T. Lumley

The role of student feedback in test development - A. Brown

The development of assessment specifications related to school-based ESL profiles - A. Brown and T. Lumley

Preparation of a Dictionary of Language Testing - A. Davies, T. McNamara, A. Brown, C. Elder, J. McQueen and T. Lumley

The development of tests of English for overseas trained teachers of science and mathematics - C. Elder and T. Lumley

The validity of the native speaker concept in descriptions of language proficiency - A. Davies

The evaluation of research in applied linguistics - A. Davies

The relationship between language proficiency scales and test instruments - A. Davies

The development of a National Language Certification System (with particular reference to Japanese and Korean) - A. Davies and A. Brown

Computer adaptive language testing in French and in English - A. Davies and T. McNamara

The validation of the International English Language Testing System test in teacher training programmes - C. Elder

The definition of adequate proficiency levels in foreign language learning at successive school levels - A. Davies, C. Elder and T. McNamara

Assessing the second language proficiency of health professionals - T. McNamara

Performance testing in a second language - T. McNamara

The use of Rasch item response theory in language testing development and research - T. McNamara

Tests of English as a second language for academic purposes as performance tests - T. McNamara and J. Hamilton

Native speaker performance on specific purpose special language proficiency tests - T. McNamara, J. Hamilton and E. Sheridan

The role of knowledge of statistics in the preparation of Master's degree students in Applied Linguistics - T. McNamara

Using Rasch analysis to investigate inter-rater reliability in the testing of English for academic purposes - T. McNamara

The theory and practice of performance testing in second languages - T. McNamara

Communicative language testing - T. McNamara

The development of tests to measure the classroom language proficiency of teachers of Italian (and other LOTES) - C. Elder

The uses of computer technology in language assessment - C. Corbel

LANGUAGE PROGRAMME EVALUATION

Evaluation of a Hebrew-English late immersion bilingual education programme - T. McNamara

Evaluation of a late bilingual immersion programme in Modern Hebrew and English - T. McNamara

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Evaluation of LOTE limited exposure programmes - C. Elder

LEXICOLOGY AND LEXICAL SEMANTICS
Acehnese dictionary and dialectology - M. Durie
Dictionaries and ethnothesauri of Kayardild and Mayali - N. Evans
Semantic change and polysemy in Australian languages - N. Evans

LITERACY
Theory of reading and writing in a second language - P. Kelly
Cross-cultural aspects of literacy - P. Kelly
Rhetorical and pragmatic features of written academic discourse - P. Kelly

MEDICAL COMMUNICATION
Speech pathology in a cross-cultural setting - S. Döpke, M. Garner, P. Nguyen, M. Rosse, J. Ryan, J. Spence, S. Tyson
Directives in doctor-patient discourse - L. Stirling and J. Mulholland
Measurement of patient contribution in medical consultations - L. Stirling and J. Mulholland

ORAL LITERATURES
Oral literature of Acehnese - M. Durie

SECOND LANGUAGE CURRICULUM
Language syllabus design into the nineties - R. Gardner

SEMANTICS
A typology of natural language epistemologies - M. Durie
A semantic and cognitive account of evidentiality - L. Stirling

SOCIOLINGUISTICS
Parameters of socio-linguistic description - I. Pejros
Typology of socio-linguistic parameters - I. Pejros

SYNTAX AND MORPHOLOGY
Acehnese grammar - M. Durie
Grammatical relations in Split-S or active languages - M. Durie
Aboriginal languages and language typology - N. Evans
Interaction of morphology and syntax, particularly noun incorporation and multiple case marking - N. Evans
Typological correlates of ergativity in Australian languages - N. Evans
FACULTY OF ARTS

Head-marking languages and grammatical theory - N. Evans
Syntax and morphology of Kayardild, Mayali and Kungarakany - N. Evans
Switch-reference and impersonal constructions - L. Stirling
Unification grammars and linguistic information - L. Stirling

PUBLISHED WORK

Books


Chapters of Books


Articles


Reports


THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

KOH, A. - Topics in colloquial Malay
McNAMARA, T. - Assessing the second language proficiency of health professionals

Master of Arts (Theses)

BROWN, A. - The role of test-taker feedback in the validation of a language proficiency test
ELDER, C. - Cross-cultural communication in a medical setting: Patterns of interaction between outpatients of non-English speaking background and staff in a Melbourne hospital
EVANS, R. - The International English Language Testing System: Is it suitable for adult immigrant students who apply for tertiary education?
HAMILTON, J. - Native and non-native speaker performance on the IELTS reading test
LIPA, L. - Student and teacher perceptions of vocabulary difficulty
PARIDAEN, P. - Language, violence and television news
SEGAN, D. - Parental motivation and attitudes in bilingual education: study of a late immersion programme in Hebrew at Mount Scopus Memorial College, Melbourne, Australia
SHERIDAN, E. - Native and non-native performance on the IELTS writing test
WORLEY, L. - Communication and miscommunication in a hospital setting: A study of communication difficulties faced by non-English speakers in the outpatients' department of a large public hospital
ZARAKIS-ADAMOU, M. - Language ecology: Greek in Melbourne

Master of Arts (Minor Theses)

BELMONT, W. - Sex-based differences in English argumentative text - an attempted analysis
BRUCE, V. - A follow-up evaluation of an English for Academic Purposes course at Footscray College of TAFE
BURNS, A. - Language difficulty or learning difficulty: the languages of NESB secondary students born in Australia
HUNT, S. - The effect of verbo-tonal pronunciation training on intelligibility
JENSEN, M-T. - Linguistic evidence - a case study
MORGAN, J. - ESL students and the new VCE common study English
LOVE, K. - Towards a further analysis of teacher talk
PACIOCCO, A. - An analysis of the verbal linguistics input in a series of FL classes at the post-primary level
PAVLIDIS, M. - Reading strategies of second-language learners of Chinese
TURNER, L. - Parents’ evaluation of a partial bilingual (early immersion) programme
THESES IN PROGRESS

Doctor of Philosophy

CHISHOLM, M.-T. - Underlying criteria in evaluating writing
CLUTTERBUCK, M. - Language use of ESL students working with computers
DAMAVANDI, A. - Language proficiency of Iranian students in Australia
ELDER, C. - Two approaches to assessing the second language proficiency of teachers
GARDNER, R. - The language of intimates
HENRY, P. - Language function in the language addressed to young language-delayed children
KRUSE, N. - A grammar of Semelai
LOVE, K. - A linguistic analysis of teaching style
MAY, T. - Formulas, repetition, substitution, and ellipsis in discourse structure: the limits of creativity
MORGAN, J. - Literacy levels of Victorian apprentices
NATHAN, D. - A natural language interface for a computer vision system
NASU, T. - A study of language attitudes in the Japanese immigrant community in Melbourne in the context of an integrated theory of social identity
PARIDAEN, P. - The influence of language on the television news message
POULTER, C. - Development of linguistic profile of French-English bilingual children
REIDY, J. - The differences and similarities between the written texts of students from a language other than English and their English-speaking background peers
WU, Y-J. - A structural account of semantic change in Xiang dialect
ZHOU, X-K - Transitivity in Chinese

Master of Arts

AIDANI, M. - Language ecology: Farsi in Melbourne
ANDREWS, V. - Communicative assessment instrument for language delay in children
ARNOST, V. - Development of listening skills in Indonesian as a Foreign Language
BELMONT, W. - Sex-based difference in English argumentative test: an attempted analysis
BRUCE, V. - A follow-up evaluation of an English for Academic Purposes course at Footscray College of TAFE
BURNS, A. - Language difficulty or learning difficulty: the languages of NESB secondary students born in Australia
CORBEL, C. - Improving global rating reliability with a category-oriented hypertext based computerised profiling instrument
DELLORA, M. - The evaluation of bilingual programmes in Victoria
HUNT, S. - The effect of verbo-tonal pronunciation training on intelligibility
KLOMP, H. - The linguistic coding of genre: comparing English and Turkish
LIDDICOAT, A. - Conversational routines in answering machine communication
LILL, C. - Replication of Givon's study of referential devices in interlanguage data
LOPES, M. - Native speaker performance on the IELTS reading sub-test
JENSEN, M. - Linguistic evidence: a case study
McQUEEN, J. - Content analysis of a reading skills test for beginning learners of Chinese
NGUYEN, T. - A comparative study in cultural perceptions and attitudes of Vietnamese and Anglo-Australians towards Doctor-Patient communication
NORDLINGER, R. - A Grammar of Wambaya
PACIOCCO, A. - An analysis of the verbal linguistic input in a series of foreign language classes at the post-primary level
PAVLIDIS, M. - Reading strategies of second language learners of Chinese
PINCZOWER, M. - Ecology of Yiddish in Melbourne
POULSON, C. - Evaluation of a teacher training course for EFL teachers in Vietnam
POZZEBON, M. - Comparison of speech pathologists' and lay assessments of communication skills in Broca's aphasics
RYAN, J. - Cross-cultural attitudes of parents of language disordered children
SCOTT-BRANAGAN, B. - A study of the influence of gender on the types of questions couples ask each other
SEGAN, D. - Parental motivation and attitudes in bilingual education: a study of a late immersion program in Hebrew at Mount Scopus Memorial College
SPENCE, J. - Business communication in the new technologies
THOMAS, C. - Verb serialisation and prepositional forms in Oceanic
TURNER, L. - Parents' evaluation of a partial bilingual early immersion programme
WHITEHEAD, O. - A Grammar of Garig
WRIGHT, J. - Subskill theory and its role in the testing of reading comprehension

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL - Non-Pama-Nyungan languages of northern Australia: descriptive, grammatical, comparative and sociolinguistic investigations
AUSTRALIAN RESEARCH COUNCIL - From discourse function to grammatical form in Acehnese: a study of cohesion and grammaticisation in conversational and narrative discourse
AUSTRALIAN RESEARCH COUNCIL - The production and perception of prosody in a normal and hemisphere-damaged population
AUSTRALIAN RESEARCH COUNCIL - Grammatical diffusion and divergence in Torres Strait languages: an investigation of Kala Lagaw Ya
SPECIAL INITIATIVE GRANT (Melbourne University) - Development of a language development profile of German-English bilingual children
SPECIAL INITIATIVE GRANT (Melbourne University) - Vietnamese Etymological Dictionary
ASSLP - An investigation of the feasibility of instituting bursary awards for students of LOTE at key attrition points
ASSLP - ESL development: language and literacy in schools
UNIVERSITY OF MELBOURNE - The development and validation of an ESL test
ACER - The Development of the Australian Language Certificates
MOUNT SCOPUS COLLEGE - Evaluation of a late bilingual immersion programme
RAAF SCHOOL OF LANGUAGES - Consultancy on Defence Language School Proficiency Rating Scales
PHILOSOPHY

LIST OF RESEARCH STAFF

Professor:
C.A.J. COADY

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Senior Lecturers:
B.N. LANGTRY
L.J. O'NEILL
B.F. SCARLETT
B.M. TAYLOR

Lecturers:
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L. BURNS
C. CORDNER
J. FITZPATRICK
A. HAZEN
K. LYCOS
W.K. PRESA
M.E. TAPPER
W. UREN

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V. BOZICKOVIC
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F. COCHAUD
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S. TUDOR
S. VAKKAS
A. WALSH

Professors Emeritus:
D.A.T. GASKING
L. GODDARD

CENTRE FOR PHILOSOPHY AND PUBLIC ISSUES

Senior Research Fellow:
C.J.G. SAMPFORD

Research Fellows:
A. CREHAN
A. PALMER

Visiting Fellows:
C. LOWY
S. MILLER

Research Assistants:
W. BARRETT
D. BORRELL
M. RICKARD
M. THORPE-TAYLOR
RESEARCH IN PROGRESS

AESTHETICS

Grace as an ethical and aesthetic idea - C.D.Cordner
Aesthetic objects - J.Fitzpatrick
Aesthetic judgment - M.A.McCloskey
Philosophical and aesthetic orientations on texture - M.A.McCloskey
Collingwood's goal - W.K.Presa
Artists' rights - W.K.Presa
Ethics vs Aesthetics - J.T.J.Srzednicki
The dimensions of a work of art - M.E.Tapper

DECISION AND PREFERENCE THEORY

Decision theory - L.J.O'Neill

EPISTEMOLOGY

Epistemic obligation - A.Alexandra
The epistemology of testimony - C.A.J.Coady
Applications of inductive logic to the philosophy of religion - B.N.Langtry
The justification of basic beliefs - B.N.Langtry
Sensation and perceptual belief in Plato - K.Lycos
Holistic theories of knowledge - L.J.O'Neill
Legal reasoning - L.J.O'Neill
Ethics of belief - B.F.Scarlett
The logic of philosophical analysis - J.T.J.Srzednicki
The basis of the possibility of knowledge - J.T.J.Srzednicki

FORMAL LOGIC AND FORMALISATION OF LANGUAGE

Predicativity - A.Hazen
Significance Logic - L.Goddard
Relevance Logic - L.Goddard

KANT

Conceptual analysis of Kant's First Critique - J.T.J.Srzednicki

METAPHYSICS

The categories of perception - L.Goddard
Causation - L.Goddard
Ontology and intensional logics - A.Hazen
Structuralism - A.Hazen

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The best of all possible worlds - B.N.Langtry
Matter and form in early Greek thought - K.Lycos
Plato's later dialogues - M.A.McCloskey
Causation - L.J.O'Neill

MORAL PHILOSOPHY

The ontology of goods - A.Alexandra
The morality of extrication - C.A.J.Coady
Morality and politics - C.A.J.Coady
Aristotelian ethics - C.D.Cordner
Objectivity in ethics - C.D.Cordner
Olympiodorus on Pleasure and the Good - K.Lycos
Morality of self-defence - S.R.Miller
The moral relevance of potential - B.F.Scarlett
Objectivity and subjectivity perceptions in morals - J.T.J.Srzednicki
The morality of pornography - M.E.Tapper

MORAL PSYCHOLOGY

Sensibility and the emotions - C.D.Marshall
Conscience - W.K.Presa
The moral component of a concept of a person - B.F.Scarlett

PHILOSOPHY AND PUBLIC ISSUES

Child abuse and state intervention in the family - C.A.J.Coady
Compensatory justice - C.A.J.Coady
Democracy and the environment - C.A.J.Coady
Law, ethics and business - C.A.J.Coady
Political violence and the state - C.A.J.Coady
Status of ethical codes - C.A.J.Coady
Compensatory justice - A.Crehan
Retrospectivity and the rule of the law - C.J.G.Sampford
Australian constitutional law - C.J.G. Sampford
Coups d'état - C.J.G.Sampford
Law, ethics and business - C.Sampford and D.Wood

PHILOSOPHY OF FEMINISM

Equality between the sexes - L.Burns
Oppression and discrimination - L.Burns
The concept of oppression - M.E.Tapper

PHILOSOPHY OF LANGUAGE

Precision and vagueness in natural languages - L.Burns
Theories of speaker meaning - C.A.J.Coady
Relevance - L.Goddard
Deconstruction and supplementarity in J.Derrida - K.Lycos
Language and representation in 17th and 18thC thought - K.Lycos
Convention and speaker meaning - S.R.Miller
Paradigmatically transparent expressions - J.T.J.Srzednicki
Theories of interpretation - M.E.Tapper
The semantics of natural language - B.M.Taylor

PHILOSOPHY OF MIND

Naturalised theories of content - J.Fitzpatrick
Theories of propositional attitudes - J.Fitzpatrick
'Soul' in Plato and Aristotle - K.Lycos
Hot Rationality - G.D.Marshall
Psychoanalytic interpretation - G.D.Marshall
Emotion - W.K.Presa
Imagination - W.K.Presa
Seeing and experience - B.F.Scarlett
Epiphenomenalism - B.F.Scarlett
Personal identity in medieval and contemporary philosophy - B.F.Scarlett

PHILOSOPHY OF RELIGION

The problem of evil - B.N.Langtry
Unargued belief in God - B.N.Langtry
Mysticism - W.K.Presa

PROBABILITY THEORY

Probability and inductive reasoning - L.J.O'Neill

SOCIAL AND POLITICAL PHILOSOPHY

Militarism - A.Alexandra
The political philosophies of Hobbes and Rousseau - A.Alexandra
Public Goods - A.Alexandra
The justification of violence - C.A.J.Coady
The political philosophy of Thomas Hobbes - C.A.J.Coady
The political philosophy of Aristotle - C.A.J.Coady
Mercenary morality - C.A.J.Coady
Capital punishment - B.N.Langtry
Plato, Aristotle and communitarianism - K.Lycos
Social action - S.R.Miller
Aquinas and just war theory - B.F.Scarlett
The logic of democracy - J.T.J.Srzednicki
The nature of normative objectivity - J.T.J.Srzednicki
Ethical problems with the allocations of scarce medical resources - W. Uren
Death and Dying - W. Uren

PUBLISHED WORK

Books

Vol 41 - P. Geach - Logic and Ethics: 220 pp (1990)

Chapters of Books

Articles


Reports

ALEXANDRA, A. - "Introduction to Philosophy" Deakin University, Deakin: 12 pp (1991)

THESES PASSED FOR HIGHER DEGREES

Master of Arts

TAYLOR, C.D. - Issues in Aristotle's ethics

THESES IN PROGRESS

Doctor of Philosophy

ALEXANDRA, A. - Public goods
BARKER, S.J. - A theory of conditionals
BEATTIE, J.P.W. - Eliminative materialism, folk psychology and cognitive science
BLANKLEY, J.A. - The neoplatonism of Plotinus
CHAZEN, P. - The self in moral theory
CREHAN, A. - Compensatory justice and land claims by Australian Aboriginals
COX, D.F. - Realism and scepticism
EDWARDS, P. - The state and other forms of social organisation
GARDNER, C. - A Philosophy of drawing
LONG, B.P. - Persons and human beings
MILLS, A. - Violence of language
MRKSA, K. - God and freedom
PATAKI, T. - Wish fulfilment
PRICE, K. - The nature and causation of action
REN KERUO - A semantic study of the philosophical definitions in Mo Sian
SCHNABEL, E. - First person authority
WALSH, A.J. - A neo-Aristotelian theory of social justice
Master of Arts

BESWICK, B. - Emotional perspectives
CAPRIOLO, N. - Aesthetics, the sublime and subjectivity
CARPENTER, J. - Philosophical aspects of artificial intelligence
CASSIN, R. - Aquinas on the unity of virtues
CHAPMAN, J. - Husserl's phenomenology
COADY, D. - Subjective knowledge and objective truth
COCHAUD, F. - Autonomy in a feminist ethic
EUSTACE, M. - Ethics and public issues: philosophical considerations of an analytical approach
FENNELL, J. - Derrida and Wittgenstein: themes and comparisons
FLEMING, W. - Intentionality
GLASER, J. - Reasoning programmes for children
HOMEMING, G. - Forms and particulars in Plato
KARDARA, K. - Political theory
LAVERTY, M. - An appreciation of Murdoch's moral philosophy
McMAHON, J. - Terrorism and moral theory
MOSS, J. - Gender and rationality
SANKEY, N. - Survival, self-direction and morality
SHARPE, J. - Quantum theory and ontology
SHEEN, D. - Self-interest in Derek Parfitt
THORPE-TAYLOR, M. - The morality of taxation
TORCASIO, T. - Aristotle: A study of the virtues and vices
TORLEY, V. - Laws of nature
TUDOR, S. - Moral Idioms

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL - Compensatory Justice
AUSTRALIAN RESEARCH COUNCIL - Law Ethics and Business
THE SIR IAN POTTER FOUNDATION - Law Ethics and Business
UNIVERSITY SPECIAL INITIATIVES GRANT - Law Ethics and Business
VICTORIA LAW FOUNDATION - Retrospectivity and the Rule of Law
VICTORIAN EDUCATION FOUNDATION - Law Ethics and Business
POLITICAL SCIENCE

LIST OF RESEARCH STAFF

Professors:
J.M. POWER
L.T. HOLMES

Readers:
F.G. LITTLE
P.G.C. DARBY
D.F.B. TUCKER
B.W. HEADEY

Senior Lecturers:
D.F. MILLER
M. CONSIDINE
V.N. BURGMANN
P.J. SHEARMAN

Lecturers:
J.D. CASH
T. TANAKA
A. VINCENT
P.B. MURRAY
M.R. DUTTON
S. JEFFREYS
J.J. HOCKING
D.J. MCDougALL
G.E. THRELKELD
R. KISS

Tutors:
M.P. CROZIER
G.N. PARSONS

Professorial Associates:
M. FRASER
C.L. BURNS
J. CAIN

Senior Associates:
C.G. WOODARD
E.A. HUCK
M.J. HOLMES
K.G. ARMSTRONG

Senior Research Fellow:
P. RICH

Research Fellow:
S. FELDMAN

Professional Officer:
C. LONSDALE

RESEARCH IN PROGRESS

AUSTRALIAN POLITICS

The relationship between religion and personal values in Australia - K.G. Armstrong.
Power and Protest: Movements for Change in Australian Society - V.N. Burgmann.
Capital and Labour: Responses to Immigration - V.N. Burgmann.
Subjectivity in contemporary Australia - J. Cash
Workers' health policy in the post-war period - M. Considine.
Counter-terrorism in Australia - J.J. Hocking
Biography of the Late High Court Judge Lionel Murphy - J.J. Hocking.
Australian Liberal Party - Victorian Branch - M.J. Holmes.
The Journal of Leong On Tong (Castlemaine 1870-1873) - E.A. Huck.
Small-group theory and the study of political 'climates' - F.G. Little.
Images of Australia - a psycho-cultural study - F.G. Little.

COMPARATIVE GOVERNMENT

Ideological ratings of U.S. Congressmen - K.G. Armstrong
Political ideologies in Northern Ireland - J. Cash
The history of policing in China - M.R. Dutton.
The politics of economic reform in the USSR - L.T. Holmes.
The development of Post-Communism - L.T. Holmes.
The Current European Union Debate - P.B. Murray
The hydro-politics of the Nile Valley - A.W. Vincent.
The peace movement in Lebanon - A.W. Vincent.

PUBLIC POLICY

Policy development and organisation structure in the public sector - M. Considine.
Victorian quality of life project - B.W. Headey.
Social indicators and time budgeting; consumer satisfaction with government services - B.W. Headey.
Administrative reform of the public sector analysis of governance and the roles of the three branches of government Immigration policies - J.M. Power.
Planning and co-ordination of the Victorian government - J.M. Power.
Victorian political agendas - B.W. Headey and M. Considine

POLITICAL THEORY

Theories of ideology and subjectivity - J. Cash.
Friendship in political, psychological and social theory - F.G. Little.
The problems of politics and art in the current international setting - D.F. Miller.
A study of notions of timing and auspiciousness in Western and Indian cultures - D.F. Miller
Orientalism - M.R. Dutton
INTERNATIONAL RELATIONS

The contribution of Imaginative literature to an understanding of the West's relations with Africa and Asia from 1880 to the present - P.G.C. Darby.
Australian foreign policy - C.G. Woodard.
Human rights in Asia - C.G. Woodard.
The political implications of Daijosai - The coronation of the Japanese Emperor - Y. Tanaka.
Soviet foreign policy - P.J. Shearman
The French DOM-TOM during the Mitterand Presidency - D.J. McDougall

PUBLISHED WORK

Books


Chapters of Books


Articles


Reports


THESES IN PROGRESS

Master of Arts

BENSON, M. - The Federal Government and the Disadvantaged Schools Program

BORRELL, D. - Analysis of the Re-Integration of the Soviet Union and Eastern Europe into the World Capitalist Economy

BYARD, S.M. - The Albury-Wodonga Development Corporation 1972-75 and the ideal of regionalisation in Australian urban policy.

CLANCEY, S. - A Critique of the Concept of Rights: Examining the Recent Works by Theorists, Their Foundations, Justifications and a Comparison of Them.

ECONOMOU, N. - The politics of social movements in the Australian Labor Party

FEENEY, P. - The West and capitalist transformation of Russia: who wins, who loses?

FREEMAN, T. - Lenin’s theory of the Party.

HARRIS, A. - Patriarchal Ideology and the Construction of Gender Subjectivity: A Study of Australian Adolescents and their Relationships with the Opposite Sex.

HARRISON, T.A. - Contemporary Polish political thought on the relationship between the state and society in 'socialist' regimes.

LOCKWOOD, D. - An Examination of the Social and Political Effects of the Transition from a Centrally Planned Economy to a Market Economy, with Particular Reference to the U.S.S.R.

MUNRO-SMITH, N. - Inter-government relations in the formulations and administration of industry policy.

MYDDLETON, R. - Value: Its discourses.
NZENZA, S. - Political and social change as reflected in Zimbabwean novels.
STERLING, I. - Australian Foreign Policy in Cambodia.
TARPEY, G.G. - Subjectivity and the Irony of History.
TOPIC, L.T. - Conservatism in Australian politics: A study of political outlooks through the use of social and psychosocial theory.
WHITE, P. - The Political Future of the Kurds of Turkey.
WILLIAMS, L.J. - Women in organisations.
WILLS, I. - The legacy of education for domestication in South Africa.
WILSON, I. - Economic restructuring and class struggle in Australia.
WILSON, J. - New media: problems in terms of impact on political communication.
WILSON, V. - The T.V. interview and its responses.

Doctor of Philosophy

CAMERON, D. - Psychoanalysis of creativity in "The Age" political cartoonists.
CHAN, S-K. - Political developments in Eastern Europe and the USSR 1986-91: as seen through Chinese official media.
KISS, R.E. - Consultative mechanisms used by Liberal and Labor Governments - Victoria 1970-86.
KWOK, W.L. - Theories of subjectivity and sexuality.
LEVINE, M. - Understanding the voting behaviour at the State level.
LINSEN, R. - Communication networks and political culture.
MAJDALI, K. - Patterns of Pilgrimage in Jerusalem Since 1967.
MCQUIRE, S. - Analysing the strategy of narrative utilised in the construction of social reality by the media, and the effects of subjectivity engendered by these signifying practices.
PAOLINI, A.J. - The Role of Narrative in International Relations.
PHILLIPS, A. - Studies of recent social theory regarding communist states.
RIGGALL, S. - Extensions and further applications for psychoanalytic theory in politics.
ROCHE, M.A. - The Electoral and Parliamentary Role of the Australian Democrats.
RUSSELL, E.A. - The environmental crisis of the 1980s and its impact on Australian foreign policy.
RUSSELL, W. - The reformed USSR's Asian policy: new decision-making structures, players and approaches.
SANKARI, J. - Shi'ite Islamic fundamentalist thought in the contemporary Arab Near East: the case of Sheikh Fadlallah of Lebanese Hizbullah.
SHAMSULLAH, A. - Private health insurance in Australia.
SOH, Y. - A Comparative Study of Gorbachev's 'New Thinking' on Foreign Policy Towards Various Asian Countries.
STEER, M. - Social Darwinism as public disability policy in Victoria
TANAKA, T. - Political Economy of the Nuclear Power Industry in Japan.
TAYLOR, B.E. - Knowledge and democracy: a reading of Richard Rorty's work.
TAROCK, A. - Superpowers' involvement in the Iran-Iraq war.
TRIPLETT, D.A. - The relation of analytical psychology to post-structuralism.
WARNER, I. - An examination of community development initiatives in two Victorian government regions.
YATES, B. - The Kennedy-Nasser Letters.

THESES PASSED FOR HIGHER DEGREES

Master of Arts

CARBERRY, F. - The child support scheme: an evaluation of its personal and social impact.
CHEUNG, K. - Trade Development and the Victorian Economic Strategy.
ENGH, M. - Rethinking affirmative action: the failure of social policy.
JACK, M. - The planning and financing of urban infrastructure.
STEER, M. - Policy horizons for Victorians with physical and sensory disabilities: a delphistudy.
TAROCK, A. - The growth and decline of communism in capitalist democracies.
THORNE, K. - A policy approach to industry restructuring: a study of the textiles, clothing and footwear development authority.

Doctor of Philosophy

MOZUMDER, A. - Policy making and policy implementation in the developing countries.
WRIGHT, R. - Contemporary social theory and socialist politics.

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL (ARC) - A Documentary History of Australian Political and Cultural Radicalism, 1880-1990.
AUSTRALIAN RESEARCH COUNCIL (ARC) - The History of Policing and Punishment in China.
UNIVERSITY OF MELBOURNE SPECIAL INITIATIVES GRANT - Soviet Economic Reforms with particular reference to the Soviet Far East.
# PSYCHOLOGY

LIST OF RESEARCH STAFF

### Professors:
- T.M. CAELLI
- R.J. WALES
- A.J. WEARING

### Readers:
- V.M. HOLMES
- D.A. ROSENTHAL

### Senior Lecturers:
- D.R. BADCOCK
- R.C. BELL
- D.S. BRETHERTON
- B.J. FALLON
- H. JACKSON
- T. KOTLER
- C.W. LANGLEY
- J.A. LAWRENCE
- A. LEPHART
- N.E. McMURRAY
- F. NAYLOR
- P.E. PATTISON
- D. RAWLINGS
- M.M. SALING
- A.V. SANSON
- J.J. SUMMERS
- J.A. TRINDER

### Principal Lecturer:
- R. REEVE

### Lecturers:
- M. AINLEY
- C. BALL
- J. BOLDERO
- S.C. BOWDEN
- J. LANCAN-FOX
- K. MUNDY
- R. WOOLCOCK

### Fellows:
- B. ROHRMANN
- M. O'BOYLE
- A. BEAMAN
- S. OLDFIELD

### Research Fellows:
- M. O'SHEA
- G. SCHOONEVELDT
- C. ALTMANN
- S. FELDMAN

### Professorial Associates:
- B. McCraw

### Senior Associates:
- W.K. BARTLETT
- C.J. GARDNER
- N.R. GRIEVE
- D.J. HILL
- F. KNOFFELMACHER
- F. OBERKLAID
- J. FONESFORD
- K.F. TAYLOR
- K.W. WALSH

### Associates:
- V.A. ANDERSON/BIVIANO
- R. BORLAND
- W.J. BUCKINGHAM
- P.M. BURGESS
- C. BURTON
- M.H. CLAUSEN
- S.F. CROWE
- D. ELTON
- I. KAPLAN
- M.A. KOTZMANN
- D.L. MADDOCKS
- J. HILGROM
- D.P. MOGLIA
- S. MOORE
- S. OLDFIELD
- M.F. O'SHEA
- F.B. PARKER
- J. PEAD
- A.J. RITTER
- G. SCHOONEVELDT
- S. SLOAN
- S.A. THOMAS
- A.R. TUCKER
- A. UNKENSTEIN
- T.D. WARDILL
- J.A. WRENNAL
Senior Tutor:
B.M. FINDLAY

Tutor:
H.J. FAWKNER

Research Assistants:
J. BOLZA
B. DESMOND
M. FEARN-WANNAN
C. KENEALLY
P. IRWIN
C. LONG
M. OMEDEI
R. PEDLOW
C. PIVEC
R. SHEILS
J. TODD
K. VON BAGGO
F. WHITWORTH

RESEARCH IN PROGRESS

CLINICAL

The development of personality disorder scales for the MMPI-2 -
S.J. Bell, R.P. Rudd, R.C. Bell
Anger, anxiety and psychosomatic problems in industrial injuries -
D. Elton, C. Spielberger
Surveillance of needs and experiences of cancer patients - D.J. Hill,
R. Borland
Anxiety disorders - H. Jackson
Personality disorders - H. Jackson
Psychogeriatrics - H. Jackson
Schizophrenia - H. Jackson
Sexual offenders/forensic issues - H. Jackson
Psychosocial factors in breast cancer onset - T. Kotler, N.E. McMurray
Psychodynamic systems - C.W. Langley
Group reveries - C.W. Langley
Designing psychodynamic training programmes - C.W. Langley
Influence of counselling on the well-being of cancer patients -
N.E. McMurray, T. Kotler
Risk and resiliency; predictors of childhood maladjustment -
A.V. Sanson
Psychosocial factors in chronic illness in childhood - A.V. Sanson,
F. Oberklaid, R. Jarman
Psychosocial factors in eczema in childhood - A.V. Sanson,
F. Oberklaid, G. Varigos
Relationships between aggression and linguistic politeness in
childhood - A.V. Sanson, R. Pedlow, R. Wales
Attentional processes and non-compliance in hyperactive children - A.V. Sanson, D. Smith, R. Gomez

SOCIAL and APPLIED

Styles of engagement with learning: A multidimensional assessment of the impact of student beliefs about their learning on strategy use and school achievement - M.D. Ainley
Discrimination training for detection of signs of skin cancer - R. Borland, D.J. Hill
Effects of workplace smoking bans - R. Borland, D.J. Hill
Smoking and cessation behaviour in adults - R. Borland, D.J. Hill
Comparison of current and ex gymasts - N. Breen, B. Fallon
Women's participation in industrial democracy - D. Bretherton, S. Billard.
Power and gender in women prisoners - D. Bretherton, L. Collins
Evaluation of financial management training by managers of small business - L. Brooks, B. Fallon
Reasons for non-participation in training programs by managers of small business - L. Brooks, B. Fallon
Comparison of motivational variables in men and women in middle management - D. Elton, W. Mence
Psychological variables and motivational problems in women in middle management - D. Elton, W. Mence
Development of a children's rights scale - B. Fallon, W. Korr, D. Brieland
Reliability and validity of the shepherd scale in Australia - B. Fallon, J. Shaw
Legitimacy of power in organisations - J. Fenton, K.F. Taylor, R.C. Bell
Real men don't play netball: Gender perspectives in sport - B.M. Findlay, A. Beaman, H.J. Fawkner
Attentional style and sport performance - S. Ford, J.J. Summers
Production and evaluation of an educational programme aimed at changing knowledge and alcohol consumption of "at risk" drinkers - G. Gardner
Parents and adolescent views of children rights - R. Gould, B. Fallon
Children's understanding of procedural justice - A. Hicks, J.A. Lawrence
Psychological aspects of screening for cancer - D.J. Hill
Aspects of sun protection behaviour - D.J. Hill, R. Borland
Health-protective and health-screening behaviours - D.J. Hill, R. Borland
Cigarette and alcohol consumption among Australian secondary schoolchildren - D. Hill, G. Gardner
Achievement motivation: Determining motive strength and related variables in entrepreneurs and managers - J. Langan-Fox
Effects of organisational culture on performance - J. Langan-Fox
Goal systems: individual differences in major and minor categories of goal types - J. Langan-Fox
Organisational stress and competencies in managers and professionals - J. Langan-Fox

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Process-Impact cognitive strategies for defining standards of excellence, motives of achievement and power, and state-anxiety in achieving environments - J. Langan-Fox
Adolescents and shopstealing - J.A. Lawrence, S. Kinsella
The effects of physical fitness training on self-concept in adolescent females - S. Lawrence, B. Fallon
Homeless Youth, Youth workers, and the Health Belief Model - D.A. Rosenthal, C. Hall
Adolescent decision-making about sexuality and HIV/AIDS - D.A. Rosenthal, S.M. Moore
The effects of television and toys on children's attitudes and behaviour - A.V. Sanson
Psychological factors in athletic injuries - J.J. Summers, H. Fawkner, L. Bresciani
Cross-cultural aspects of organisational behaviour - K.F. Taylor
Gender differences in moral reasoning - A. Tudor, B. Fallon
Determinants of psychological well-being and ill-being - A.J. Wearing
Economic psychology - A.J. Wearing
Policy design and evaluation - A.J. Wearing

LIFE SPAN

Cognitive mediators of aggression in adolescents - D. Bretherton
Conflict and gender relations in children in after school care - D. Bretherton, L. Collins, A. Allard
Attachment styles and health - T. Kotler
Stress and eating behaviour - T. Kotler
Gender and adolescent sexuality - D.A. Rosenthal, S.M. Moore
Adolescents in step families - D.A. Rosenthal, R. Webber

COGNITIVE

Information processing in decision making - C.T. Ball, L. Mann
Ethical problem solving - J.A. Lawrence, A.E. Dodds, G. Couchman
Magistrates; reasoning and sentencing - J.A. Lawrence, R.J. Homel
Socially constrained dilemmas in professional life - J.A. Lawrence, A.J. Wearing, A.E. Dodds
Anaesthetists' fault diagnosis - E. Sonenberg, J.A. Lawrence, J. Zelcer
Dynamic decision making - A.J. Wearing
Complex problem solving - A.J. Wearing
Simulation of magistrate decision processes - A.J. Wearing, J.A. Lawrence

COGNITIVE NEUROSCIENCE

Colour signals and motion perception - D.R. Badcock
Location coding in human vision - D.R. Badcock
Luminance gain control in human vision - D.R. Badcock
Spatiotemporal characterisation of parallel channels in the visual system of humans - D.R. Badcock
Sentence comprehension - V.M. Holmes
Spelling ability - V.M. Holmes

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Syntactic processing and reading ability - V.M. Holmes
Children's reading disability - V.M. Holmes, L. Bretherton
Phonological skills and reading ability - V.M. Holmes, J. Standish
Reaching and grasping in stroke patients - M. Morris, J.J. Summers, A. Bendrups
Localised neuronal migration disorder, intractable epilepsy, and neuropsychological function - D.C. Reutens, M.M. Saling
Hippocampal sclerosis detected by magnetic resonance imaging and material-specific memory function in temporal epilepsy - M.M. Saling, S.F. Berkovic
Lesion site and neglect in cerebrovascular disease - M.M. Saling, K. Ishikawa
Memory function and P300 evoked potentials in temporal lobe epilepsy - M.M. Saling, A. Puce
Temperament, behaviour and school adjustment - a longitudinal study - A.V. Sanson, M. Prior, F. Oberklaid
Stability and continuity of temperament - A.V. Sanson, M. Prior, F. Oberklaid, R. Pedlow
Timing in bimanual coordination - J.J. Summers
Neurological soft signs, motor overflow and bimanual coordination in poorly coordinated (clumsy) children - J.J. Summers, C. Armitas

METHODOLOGY

The analysis of repertory grid data - R.C. Bell
Models for social networks - P.E. Pattison
Models for binary data - P.E. Pattison, R.C. Bell

BIOMECHANICS

Inertial modelling of the human body - A. Lephart

PUBLISHED WORK

Books

Chapters of Books

BORLAND, R. - Effects of time and mode of surveying or responding to questions about smoking and reactions to the Quit anti-smoking campaign. In Quit Evaluation Studies No. 5, Victorian Smoking and Health Program: 45-56 (1991)


Articles


MATTINGLEY, J. and BADCOCK, D.R. - The shift effect can be elicited with both peripheral and foveal masks. *Vision Research*, 31: 1251-1257 (1991)


ROSENTHAL, D.A. - The generation gap in immigrant families: Crack or chasm? *Psychology and You*, 1: 30-33 (1990)


Reports

WEARING, A.J. and HEADEY, B.W. - Tax evasion: Rational calculation, political duty, or social alienation. Department of Psychology, University of Melbourne: 18 pp (1990)

AWARDS

HOLMES, V.M. - Member, British Experimental Psychology Society
HILL, D.J. - Ian Matthew Campbell Prize in Clinical Psychology from the Australian Psychological Society

THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

BATES, G.W. - Social anxiety and self-presentation: Conversational behaviours and articulated thoughts of heterosexually anxious males.
CHURCHILL, A.C. - Metacognitive self-efficacy and intrusive thought.
CREAMER, M.C. - Reaction to trauma: A cognitive processing model.
GLAUN, D.E. - Developmental of CF and healthy children's concepts of illness and the body.

Master of Arts

FENTON, J.M. - Employees' views on management influence: A study of organisational legitimacy.
LINDSLEY, D.H. - A field study: The effects of goal setting on basketball performance, individual physical self-efficacy and competitive state anxiety.
PHILLIPS, M.E. - Management of memory impairment following closed head injury: Evaluation of an intervention for training diary use.
NORTHAM, E.A. - Neuropsychological status, psychosocial and family functioning in adolescents with diabetes.
STUART, K.L. - The roles of self-efficacy and health locus of control in the smoking cessation process.
TASHEVSKA, M. - Health value and locus of control effects on preventive health behaviour.
WHITWORTH, F.A. - Sex differences in respiratory activity at sleep onset.

Master of Science

FORLANO, L.M. - Recordings from the ventrolateral nucleus of the thalamus.
HOGG, B.M. - Personality effects on rating Axis-II DSM-III criteria.
THESES IN PROGRESS

Doctor of Philosophy

BADCOCK, J.C. - Early visual processing in the schizophrenia spectrum.
BARDEHAGEN, F.J. - Memory impairments in neurologically asymptomatic people with alcohol dependence.
BRETHERTON, L.F. - Understanding reading disability in children.
CAPUTI, P. - Hierarchical models for relational data.
CARY, J.W. - Modelling attitude and belief change in cognitive space.
COSTIGAN, J.M. - Construing experiential learning: A personal construct psychology and grid-based approach.
CRAN, D.J. - Hotel employee work attitudes and attendance.
DODDS, A.E. - The role of experience in ethical problem solving.
DUDGEON, P.L. - Modelling multitrait-multimethod matrices.
EDWARDS, M. - Parallel processing in visual perception.
ERWIN, P.J. - Psychological mediators of the participative decision-making process in the Australian workplace.
FAIRBANK, K.P. - The perception of speech by young hearing-impaired children.
FINCH, S.J. - Mathematical models for mathematical knowledge.
FINDLAY, B.M. - The genders as groups: The applicability of social identity theory to intimate personal relationships.
FORD, S.K. - Measurement of attention in sport.
FUNDER, K.R. - Economic and family constellation changes as determinants of personal and family wellbeing.
GOMEZ, R. - Attention, self-control and non-compliance in hyperactive children.
GORDON, P.R. - A study of group psychotherapy.
HARDIE, E.A. - A stress-coping-health analysis of premenstrual changes in women at work.
HART, P.M. - Social survey techniques in the development of stress process models.
HICKS, A.J. - Children's concepts of procedural justice.
HINTZ, P.R.E. - Antecedents of employee turnover.
JONTOF-HUTTER, R.O. - The psychological effects of role-minimisation on non-custodial fathers.
KAY, A.J. - Factor determining respiratory instability during sleep onset.
KHOO, K.T. - The effectiveness of three treatment regimens used in the management of neonatal drug abstinence syndrome.
KHOR, S.Y. - The occupational aspirations of Singaporean students: Circumscription and compromise in relation to background factors, self-perceptions and perceived constraints.
KIRBY, K.M. - Subcortical Nonthalamic Aphasias.
<table>
<thead>
<tr>
<th>Name</th>
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<tr>
<td>KRITIKOS, A.</td>
<td>The neuropsychological effects of sleep apnoea.</td>
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<td>LINO, P.J.</td>
<td>Educational opportunities, regional differences and circumscription/compromise of occupational choices in Malawi.</td>
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<td>MOLLOY, C.J.S.</td>
<td>The role of follower in group effectiveness.</td>
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<td>MORRIS, M.E.</td>
<td>Constraints on reaching and grasping actions in stroke.</td>
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<td>NSENDULUKA, E.</td>
<td>Social identification and individual and organisational effectiveness: A study of Zambian workers.</td>
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<td>OMODEI, M.M.</td>
<td>Involvement, anxiety and boredom: Self-regulation in real time dynamic decision making settings.</td>
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<td>PEDLOW, R.I.</td>
<td>Relationships between aggression and linguistic politeness in middle childhood.</td>
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<td>QUINN, A.M.</td>
<td>The effects of psychological intervention strategies on physical recovery in elite sports performers.</td>
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<td>REDDY, P.</td>
<td>Self-constructs and self-discrepancies: An investigation of undesired and desired selves.</td>
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<td>REID, J.M.</td>
<td>Dysfunctional driving behaviours: A study of the cognitive structures of young, inexperienced drivers to ascertain why they exhibit dysfunctional driving behaviours more frequently than do older, experienced drivers.</td>
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<td>Relf, C.P.</td>
<td>Modelling pragmatic factors in natural language processing.</td>
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<td>ROBISON, T.J.</td>
<td>Human factors and cognitive processes in CAD systems.</td>
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<td>ROSS, C.S.</td>
<td>Psychological services in Australian corrections.</td>
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<td>SMITH, D.J.</td>
<td>Neuropsychological aspects of hyperactivity.</td>
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<td>STANDISH, J.M.</td>
<td>Individual differences in adult reading ability.</td>
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<td>TASHEVSKA, M.</td>
<td>Cognitive-behavioural modification of low frequency - high intensity behaviours in the intellectually disabled.</td>
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<td>WEBBER, R.P.</td>
<td>Adolescents living in stepfamilies.</td>
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<td>WILLIAMSON, M.R.</td>
<td>Decision making in an economic context.</td>
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<td>WITENBERG, R.</td>
<td>The antecedents of moral conduct.</td>
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<tr>
<td>WOOLCOCK, R.G.</td>
<td>Intuitive psychology: Building from the framework theory.</td>
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<tr>
<td>ALEXANDER, K.P.</td>
<td>Modelling consumer satisfaction in the public sector.</td>
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<tr>
<td>ALTING, T.M.</td>
<td>Pathological left-handedness in temporal lobe epileptics: A test of two models.</td>
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<td>ANDERSON, M.H.</td>
<td>Migraine effects on the visual cortex.</td>
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<td>BOND, L.M.</td>
<td>Validation of child behaviour checklist.</td>
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<tr>
<td>Carless, S.A.</td>
<td>Personality and motivational factors influencing training transfer.</td>
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<tr>
<td>Chan, M.L.</td>
<td>'How will my boss behave?'. A comparison of Australian and Malaysian students' expectations.</td>
</tr>
</tbody>
</table>

Master of Arts
COLLINS, L.M. - A model for "unit management" at Fairlea Women's Prison: A study of the interplay of gender and power.
CONDOR, A.K. - The role of the prefrontal cortex in reading disabilities.
COOPER-SHAW, L. - Developing the career path appreciation model to assess promotional opportunities for women in the Ministry of Education.
COSIC, S. - Primary processes in clinical and artistic settings.
DODDS, B.A. - Bimanual co-ordination in patients with neurological disease.
DE VERE, M.G - Neuropsychological aspects of hyperparathyroidism.
DUNNE, F.J. - Factors affecting disadvantaged students' vocational and educational achievement.
EDWARDSON, M.P.G. - Perceptions of waiters and waitresses of their workplace.
FARRAR, R.D. - Validation of values and lifestyle segmentations: A study of the model underlying SRI's VALS questionnaire.
FOWLER, K.S. - An investigation into the psychometric properties of the WCST.
GIBB, S.E. - Attributes of effective commercials.
GLAZNER, J.A. - Factors affecting subsequent pregnancy following the birth of a very low birth-weight premature infant.
HALL, J. - Interpersonal problem solving and parasuicidal behaviour in a substance abusing population.
HEDGES, P.J. - Background noise and our ability to make fine positional judgements; the influence of jitter.
HUMPHREYS, R.D. - An investigation of the effectiveness of content features of recruitment advertisement.
IGNACE, M.J. - What I say is what I do: Congruent values in transformational leadership and work unit performance.
LAWLESS, S. - Effective management - evaluation of a management skills program.
LIEPINS, I. - Quality management.
LIGDOPoulos, K. - Psychological aspects of anticipatory nausea and vomiting in cancer chemotherapy patients.
McMAHON, G.M. - Memory complaint and affect in the postsurgical temporal lobe epilepsy population.
PATON, U.E. - The effect of personality disorders on prognosis in recent onset schizophrenia.
PEREIRA, D.A. - Satisfaction with romantic attachments during adolescence: Some antecedents and concomitants.
PHELAN, D.R. - Trust in others and the experience of stress.
PIGUET, O. - Performance of a complex constructional task by temporal lobe epileptics.
POWYS, A.M. - Evaluation of a work experience program within the context of VCE Australian studies.
ROUSE, A.C. - Analysis of dysfunctional communication patterns.
SEVDALES, E. - An investigation into the construct validity of an assessment centre.
SULLIVAN, K.A. - Reliability of logical memory passages.
VAN VLIET, S.J. - Coping strategies and power motivation and well-being.
WHITE, V.M. - The decision to have a Pap test: An examination of the factors influencing women's decisions and behaviours utilising Janis Mann's conflict model of decision making.

Master of Science

ARMATAS, C.A. - Motor overflow as a neurological soft sign.
BILLARD, S. - Gender relations and industrial democracy participation.
CANN, W.G. - Correlates of shyness among children with differing developmental histories of shyness.
DEERY, T.L. - Stress and health in power motivated managers.
FAWKNER, H.J. - Personality traits: Predisposition to and recovery from injury in athletes.
JANSON, H.J. - Maternal depression and early childhood development.
KENNEDY, L.C. - Motion after effects and spatial beats.
MOORHOUSE, K.L. - Comprehension of emotional expression following head injury.
SCHOFIELD, P.E. - Cancer risk behaviours: Changes during the transition from adolescence to adulthood.
SMITH, L.C. - Reliability and validity of the Austin Maze.
SMITH, S.S. - Light as a zeitgeber of the human circadian pacemaker.
SMITH-TAPPE, G.J. - The relationship between the leftward cradling preference and turning behaviour.
TAN, P.S.K. - Organisational culture in a business unit moving towards a customer service orientation: A case study.
WYATT, R.G. - Expert systems for socially-sensitive strategic planning.

SUBSTANTIAL GRANTS RECEIVED

ARC - Basic skills in spelling ability
ARC - Effective dynamic decision making; a real time study of the interaction between cognition and emotion
ARC - Models for binary data
ARC - Regulatory and homeostatic adjustments in the respiratory system during sleep onset: their roles in disorders of sleep
ARC - Resistance to image instability in human vision
ARC - Socially constrained dilemmas in professional life
ARC - The perception and production of prosody in sentence processing
ARC - The production and perception of prosody in a normal and hemisphere damaged population
ARC - The role of colour signals in the visual coding of motion in depth
ARC - Timing in bimanual coordination

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COMMONWEALTH AIDS RESEARCH GRANT COMMISSION - The sexual context of adolescent decision-making about AIDS
NH and MRC - Dysfunction in early school age: Antecedents and Outcome
NH and MRC - To assist the emotional impact on patients of the diagnosis and treatment of breast cancer
ROYAL CHILDREN'S HOSPITAL RESEARCH FOUNDATION - Children with chronic illness - predictors of psychosocial outcome
ROYAL CHILDREN'S HOSPITAL RESEARCH FOUNDATION - The association of psychological factors with childhood eczema
VICTORIAN HEALTH PROMOTION FOUNDATION - Medical Practitioners Smoking Cessation Initiative
VICTORIAN HEALTH PROMOTION FOUNDATION - Premenstrual syndrome in the workplace
VICTORIAN HEALTH PROMOTION FOUNDATION - The effective after-school learning programme
SCHOOL OF SOCIAL WORK

LIST OF RESEARCH STAFF

Professor:  
C. BENN

Senior Lecturers:  
S.W. EVANS  
A. JACKSON  
C. JAMES  
B. LAGAY  
E. OZANNE  
D. SCOTT  
W. WEEKS

Lecturers:  
P. ATKINS  
P. BROWN *  
L. CAMPBELL  
P. HYNDES  
F. LINDSAY  
F. McDERMOTT  
H.M. MURRAY  
B. ROBB *  
R. ROBERTS  
P.A. SWAIN *

Academic Associates:  
S.O. CHARLESWORTH  
S.B. HORNE  
L.J. TIERNEY  
C.J. TURNER

Senior Research Assistant:  
J. LINDSAY  
B. ROBB *

* Part-time

RESEARCH IN PROGRESS

AGED CARE

Futures research in an ageing society - E. Ozanne  
Comparative study of home and long-term care programs for aged  
US/UK/Australia - E. Ozanne  
Policy development for the aged in the Asia Pacific Region - E. Ozanne  
Ageing and gender difference - E. Ozanne  
Evaluation of case management models in community care - E. Ozanne  
Time use in older households - E. Ozanne, D. Ironmonger, M. Bittman, S. Donath  
Social relationships and wellbeing amongst older populations - E. Ozanne  
Faculty retirement project - E. Ozanne and L. Tierney
AIDS

Evaluation of National Gay and Bi-sexual AIDS Prevention Campaign - A. Jackson and J. Lindsay
Identification of social work practitioners learning needs in relation to HIV/AIDS - C. James and A. Jackson
Practice research in social work: applications for people living with HIV/AIDS with a view to problem and service requirement specification for ambulatory care case mix development - C. James

ALCOHOL AND DRUG DEPENDENCY

An action research project to explore the needs of people with both severe psychiatric disabilities and problematic alcohol and drug usage - F. McDermott and P. Pyett

CHILD AND FAMILY WELFARE

Children of substance abusers: Protective and child care issues - L. Campbell
Temporary residential child care usage - L. Campbell
Parents' groups and the statutory child welfare services - L. Campbell
Family induction into foster care - S. Evans and E. Dyer
Making useful citizens in the future: a short account of Tally Ho Farm/Village - S. Horne
Inter-organisational interaction in child protection practice - A. Jackson and D. Scott
A review and evaluation of the first twelve months of an emergency and reception care centre for young women - H. Murray
Respite foster care: an action research study of a community-based foster care project - R. Roberts
Families who provide foster care - L. Tierney and S. Evans

HEALTH CARE

Implications of casemix/diagnostic related groupings for social work practice in long term care - E. Ozanne and C. James
An ideographic approach to hospital social work casemix development in acute and rehabilitation contexts - C. James
People and pharmacies: The social side of business - S. Horne

SOCIAL WORK EDUCATION

A study of mature aged students in an extended campus program - P. Brown
The 'failing student' in social work - S. Evans and P. Atkins
A functional job analysis of social work positions - B. Lagay, B. Robb and A. Borowski
Social work education: development of a planned approach in field education for social work practitioners - F. Lindsay
Follow up of employment paths of 1990 University of Melbourne BSW graduates - H. Murray
Performance management project - E. Ozanne
To search for self: the experience of access to adoption information - P.A. Swain and S.L. Swain

WOMEN'S STUDIES

A study of community based women's services, including a small study of the experience of co-ordinators of women's services - W. Weeks
Feminist curriculum content in undergraduate social work education - W. Weeks

PUBLISHED WORK

Books

Chapters of Books

Articles

Reports

Recordings

THESES PASSED FOR HIGHER DEGREES
Master of Social Work (Major Thesis)
MITCHELL, J. - The experience of first year science students at Melbourne University

Master of Social Work (Minor Thesis)
BRAY, C. - Compensation to Welfare: The Policy and Program Rationalisation of the Department of Veterans Affairs Through The '80's
FURLONG, M. - Family therapy: engagement in statutory cases
MARTIN, J. - Advantages and disadvantages of community psychiatric treatment
OWEN, C. - Management of community residential units
SMITH, J. - The family as part of the team: working with families who have a member with a psychiatric illness
STARBUCK, E. - Competency definition in public welfare practice

THESES IN PROGRESS
Doctor of Philosophy
CLEAK, H. - Contextual factors contributing to length of stay of elderly patients in an acute hospital: implications for social work
FIELD, D. - Nobodies in a somebodies' world: the homeless in the lucky country
GUNN, P. - The discursive construction of reality and the Australian social security review
HASSE-SUCKAU, C.E. - The use of research in policy formation and implementation regarding HIV/AIDS in Australia: A case study in the diffusion of innovation

JOHNSON, K. - Advocacy and deinstitutionalisation

KELLY, L. - Understanding community practice

McNAMARA, P. - The emotionally disturbed adolescent in residential psychiatric treatment: An ecological-developmental perspective

MITCHELL, G. - Use of volunteers with child welfare family clients

OKAI, B. - Social adaptation of African migrants in Australia

ROGERS, S. - An outcome study of thirty adults formerly resident as children at St. Vincent de Paul's children's home

SCOTT, D.A. - Child Protection Assessment

SINCLAIR, K. - The role of the churches in responding to the needs of people with AIDS: An overview

Master of Arts

REDWOOD, K. - Program innovation and industrial relations in Community Services Victoria's funded sector

Master of Social Work (Major Theses)

ATKINS, P. - An exploration of the nature of the experience of failure in the BSW Course, The University of Melbourne, from the perspective of the major players in the event

BAILEY, L. - An evaluation of trauma counselling programs

DATNOW, L. - Bulimia Anorexia Nervosa and families of origin

DOWLING, R. - Tailoring formal family supports to families where a parent with dependent children has a diagnosis of schizophrenia

DRUMMOND, A. - Volunteers and their role in welfare

GILLEY, T. - The impact of empowerment practices on service users and workers in welfare agencies

GLENNEN, C. - Inner urban co-operative: A case study

GORDON, M. - Case management with families of children with severe intellectual disability

GRANT, M. - Developing capacity to care: Assisting rural health and welfare workers to respond to HIV/AIDS within their local communities

HYNDES, P. - Low income families, the sole practitioner and the developmental model of social work practice

LIEM, I. - The impact of migration upon the child rearing practice of Chinese immigrant mothers

MARTIN, L. - Specific home help care - an evaluation of a community service

MORRIS, J. - The identification and analysis of social needs of minority groups

PEETERS, S. - Social justice policy: The experience within a TAFE college

ROLFE, J. - An exploration of the options to the current heroin drug control laws in Australia

WARD, D. - Feminism and the psychology of organisational relations
Master of Social Work (Minor Theses)

ABSLER, D. - Long term intensive therapy with a severely depressed adolescent
BADGER, J. - Child protection and the intellectually disabled pregnant woman
BAY, U. - Conciliating sexual harassment in higher education: promises, prospects and limitations
BOXSHALL, G. - Development and evaluation of the VVCC country outreach programme
CUMMINGS, J. - Temporary residential child care
CUNSKIS, A. - Leadership among the blind in Victoria
DYER, L. - Foster care families
DUNN, S. - Family court decision making in reference to child abuse
EDDELBUTTEL, S. - Evaluation of the police crisis support unit
GOODMAN, H. - An analysis of decisions of the Social Security Appeals Tribunal on the question of defacto relationships
HALL, B. - Social work in Catholic parish primary schools
HALL, V. - Women returning to study
MCKENRICK, M. - Review of case work practice models utilisation by social workers in hospitals and implications for hospital social work
MCLAUGHLIN, M. - The service delivery implementation of government philosophy and policy reform for students with physical and associated developmental-neurological disability
MURPHY, S. - The basis of social and community planning at local government level
MURRAY, J. - The perceived social environment of adults with uncontrolled epilepsy
O'NEILL, C. - A retrospective look at adoptions that have been disrupted over the past ten years in Victoria
PEADY, L. - The dynamics of programme innovation
SEALES, H. - An exploratory study of the post-hospital care needs of elderly people
SEITZ, T. - Alcohol abuse among women of the middle and upper socio-economic strata: a hidden problem?
TROPP, D. - The developmental effects of long term group work with aging populations
WHITE, C. - The role of social workers in the Victorian Ministry of Education
WILLIAMS, J. - The impact of social work in the Department of Social Security

SUBSTANTIAL GRANTS RECEIVED

COMMONWEALTH DEPARTMENT OF HEALTH, HOUSING AND COMMUNITY SERVICES - EVALUATION OF NATIONAL GAY AND BI-SEXUAL AIDS PREVENTION CAMPAIGN - A. Jackson and J. Lindsay
UNIVERSITY OF MELBOURNE SPECIAL INITIATIVE GRANT - Inter-organisational interaction in child protection practice - A. Jackson and D. Scott
FACULTY OF ECONOMICS AND COMMERCE

DEPARTMENT OF ACCOUNTING AND FINANCE

LIST OF RESEARCH STAFF

Professors:
- P. BROWNELL
- K.T. DAVIS
- K. HOUGHTON
- R.E.G. NICOL

Senior Professors:
- C. GUTHRIE
- P. LOVEDAY
- D. MOlONEY
- R.A. MORONEY

Reader:
- R.C. CLIFT

Senior Lecturers:
- M.A. ABERNETHY
- G.H. BURROWS
- P.B. SEDDON
- T.D. WISE

Lecturers:
- I. HILTON
- J. HRONSKY
- D. LEE
- C.A. MARTINI
- E.S. ROBERTS
- N. ROBERTS
- S. ROBERTSON
- R.A. SINGH
- J.R. TREACY
- C.R. WILSON
- V. WISE

Senior Tutors:
- C. GUTHRIE
- P. LOVEDAY
- D. MOlONEY
- R.A. MORONEY

Tutors:
- R.L. CHIN
- Q. K-Y. CHEONG
- N.G. O’CONNOR
- D. PETRIE

Professor Emeritus:
- L. GOLDBERG

Senior Associates:
- I. CLARK
- J. ST.G. KERR

Visiting Fellow:
- J. WALAWSKI

RESEARCH IN PROGRESS

The impact of manufacturing flexibility on management control system design - M. Abernethy and A. Lillis
The effectiveness of professional control in complex organisations - M. Abernethy
Markets, bureaucracies and clans: the role of accounting in the management of research and development activities - M. Abernethy and P. Brownell
Participation in budget-setting, task characteristics and the use of accounting controls - P. Brownell and A. Dunk
An investigation into the operation of the productivity-based formula used to allocate the proceeds of raw sugar sales between sugar millers and canegrower - G.H. Burrows

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Preparation of a discussion paper on the treatment of inventories in published financial statements - G.H. Burrows
An investigation into the preparation of accounting reports to facilitate the control of project-orientated activities - G.H. Burrows
Corporate debt markets - K.T. Davis and M.K. Lewis
The bond market - K.T. Davis and M.K. Lewis
Converting preference shares, an innovation in capital structure - K.T. Davis
Tests of the Black model of interest rates futures options - K.T. Davis
Asset recognition: a doubtful proposition parts 1 and 2, to Australian Accounting Review - K. Houghton and J. Walawski
The proposed australian conceptual framework and its effect on asset recognition criteria: the case of tax effect accounting, to Accounting and Business Research - K. Houghton and J. Walawski
The definition of extraordinary items: the impact of recent Australian and Canadian changes on auditor judgements, to Journal of Business Finance and Accounting - K. Houghton and Robyn Walker
In defence of going-concern models, to Australian Accountant - K. Houghton and M. Smith
Motivation through incentives: the effect on bankers' prediction of corporate distress, to Behavioural Research in Accounting - K. Houghton, J. Hronsky, C. Ng, and P. Robinson
A re-appraisal of investment returns from friendly society and life office bonds - C. Martini
Welfare policy and multinational monopolies - C. Martini
Multivariate optimisation of welfare for multinational monopolies - C. Martini
Fare evasion and non-compliance - C. Martini
The effect of imputation of company tax on the dividend policies of Australian listed companies. (Funded by ARC Small Grants Scheme) - R.E.G. Nicol
The influence of culture (uncertainty avoidance) on the use of accounting performance measures - N.O. O'Connor
The information systems concept and its management - E.S. Roberts
A study of the implementation of a computer-based departmental accounting system at the University of Melbourne - N.S. Roberts, P.B. Seddon and E.S. Roberts.
The moderating effect of feedback on effort-ability-performance relationships - S. Robertson
An empirical evaluation of user information satisfaction (UIS) measures for use with general ledger accounting software - P.B. Seddon and S.K. Yip
Formula accounting - P.B. Seddon
Impact of macroeconomic announcements on financial markets in Australia - R. Singh
Market reaction to disclosure of extraordinary items - R. Singh
Accounting for preproduction costs in the extractive industry - T. Wise
Accounting for policies and disclosures in the extractive industry - T. Wise
Accounting for foreign currency translations by Australian companies - T. Wise
An investigation into the effectiveness of NCSC release no. 136 “dispatch of accounts to shareholders” - V. Wise

PUBLISHED WORK

Books


Chapters of Books


Articles

ACCOUNTING AND FINANCE

BROWNELL, P. AND MERCHANT, K. - "The budgetary and performance influences of product standardization and manufacturing process automation", in Journal of Accounting Research, Autumn 1990, pp 388-397. Published by the Institute of Professional Accounting, Graduate School of Business, University of Chicago.


Reports


Invitation Lectures


AWARDS

NICOL, R.E.G - The University of Melbourne Silver Medal for presenting the ASCPA 52nd Annual Research Lecture

THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

ROMANO, C.A. - The role of formal planning and control systems in the growth of small business.

SEDDON, P.B. - An architecture for computer-based accounting information systems design.

Master of Commerce

ENGLEZOS, C. - Management accounting in Australia: an investigation into the reasons for the gap between theory and practice.
THESES IN PROGRESS

Doctor of Philosophy

MARTINI, C. - Mathematical Models, Tax Evasion and Non-Compliance
WISE, T. - Accounting for Preproduction Expenditure in the Extractive Industry

Master of Commerce

ROBERTS, E.S. - Information systems and their management: a study in Australian manufacturing companies.
ROBERTSON, S. - A study of the effects of feedback on the relationship between effort, ability and performance.
TREACY, J.R. - An examination of the use of information by participants in the unofficial short-term money market in Australia.
WILSON, C. - The incremental information content of cash flows: theory, evidence and measurement.
FACULTY OF ECONOMICS AND COMMERCE
DEPARTMENT OF BUSINESS LAW

LIST OF RESEARCH STAFF

Professors:
D.E. ALLAN
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B. MARKS

Lecturers:
M. BARBAYANISIS
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R.B. NAUGHTON
V. NEW
Z. SINGER

Senior Lecturers:
F. HANKS
R. MITCHELL
J.H. TELPER
P.E. Von NESSEN

Tutorial Staff:
A. CHAPMAN
L. JOYCE
K. LEVY
N. MCPHEE
E.M. MILLS
R. SAXON
D. STIEBEL

RESEARCH IN PROGRESS

COMPANY LAW
Misleading conduct in company raisings - F. Hanks
Materials, cases and commentary on Law of Insolvency - K. Menon,
Z. Singer and D. Stiebel.
Duty of directors to act in interests of company's creditors -
Z. Singer.

LAW OF CONTRACT
"Law of Contract in Australia" - a textbook - 2nd edition (with
M.E. Hiscock) - D.E. Allan.
Witholding information in a commercial context - a legal and
theoretical analysis (with M.W. Bryan and A.J. Duggan) - F. Hanks.
"Internationalisation of contracts in Asia: The influence of the US
and Japan on domestic contract law and practice and its implications
for Australia" (with M. Smith and V. Taylor) - K. Menon.

INTERNATIONAL TRADE
Regional trading and investment regimes within ASEAN countries -legal
and financial infrastructure (with M.E. Hiscock) - D.E. Allan.
Legal and financial infrastructure for trade and investment in Western
and Eastern Europe (with M.E. Hiscock) - D.E. Allan.
LABOUR LAW

Labour Relations and Law in South-East Asia and the Pacific Rim - R.J. Mitchell.
Discrimination in Employment. An examination of the operation of equal opportunity legislation in both state and federal system - R.B. Naughton.
Vicarious liability of trade unions for unofficial industrial action - R.B. Naughton.

OTHER LAW FIELDS

A reformulation of the concepts of security over movables - a comparative study (with U. Drobnig) - D.E. Allan.
Legal problems of inter-bank payment and clearance systems (national and international) - D.E. Allan.
Legal problems of "paperless" securities - D.E. Allan.
The implication for licences of intellectual property of the approach of the Trade Practices Act to markets that are vertically related - F. Hanks.
Developments in and reform of Bankruptcy Law - Z. Singer.

TAXATION

Taxation of financial products - B. Marks.
Taxation of corporate organisations - B. Marks.
Company liquidations and capital gains tax - J.H. Telfer.

PUBLISHED WORK

Books

Articles


Reports


NAUGHTON, R.B. (with KOLLMORGEN, S.) - "Trade Union Structure: Change from Within", Working Paper No. 58, Centre for Industrial Relations and Labour Studies, University of Melbourne: pp 1 - 36.


THESES IN PROGRESS

Doctor of Philosophy

MENON, K. - Creditors' Interests in the Management of Companies.
LIST OF RESEARCH STAFF

Professor:  
C.B. SCHEDVIN

Tutors:  
M.J. ABBOTT  
N.S. SHARMAN

Associate Professor:  
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A.G. THOMPSON  
G.J. WHITWELL

Lecturers:  
K.A. ALFORD  
D.J. OXLEY  
D.M. SYDENHAM

RESEARCH IN PROGRESS

AUSTRALIAN ECONOMIC AND SOCIAL HISTORY

Australia's Role as a Trading Nation 1945-2000 - K.A. Alford
Financial Deregulation in Australia - K.A. Alford
History of CSIRO's Biological Work - L.R. Gillbank
Monetary Contraction 1893-1914 - D.T. Merrett
Bank Reconstruction Schemes - D.T. Merrett
Bank Strategies in the 1980s - D.T. Merrett
Formation of the Melbourne Clearing House Association - D.T. Merrett
Female Convict Workers and the Colonial Economy - D.J. Oxley
History of CSIRO, Volume Two - C.B. Schedvin
History of the Australian Wheat Industry, 1939-89 - G.J. Whitwell and D.M. Sydenham

ECONOMIC HISTORY OF SOUTHEAST AND SOUTHERN ASIA

Trends in the Thai Labour Market Since World War II - in the light of the labour market aims and ideals of politicians, bureaucrats and academics - A.G. Thompson
Australian Business Operating Experience in Southeast Asia Since World War II - A.G. Thompson

BRITISH AND IRISH ECONOMIC HISTORY

Working Class Living Standards and Labour Markets: A Gendered View of Britain's Industrial Revolution - D.J. Oxley
FACULTY OF ECONOMICS AND COMMERCE

CORPORATE HISTORY

Australian Businessmen, Training and Career Paths, 1880-1930 - D.T. Merrett
Evolution of Australian Business Structures - D.M. Merrett
History of Softwood Holdings Ltd - D.M. Sydenham
History of the International Grain Trade 19th and 20th Centuries - G.J. Whitwell

PUBLISHED WORK

Books


Articles


THESES IN PROGRESS

Doctor of Philosophy

ABBOTT, M.J. - Public and Private Relationships in the Manufacturing Sector, 1901-39
BELBRUNO, J. - A History of the European Monetary System
BENJAMIN, R.L. - A History of General Insurance in Australia
SAVAGE, B.A. - Urban Transport Development in Melbourne in the Interwar Period

Master of Commerce

EVANS, T.E. - Development of Organisational Thought in Australian Business Since 1945
MCLAHLAN, A. - An Intellectual Biography of Dr Colin Clark
PAPOPOULOS, M. - Growth of Manufacturing Firms in the Inter-War Years

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Master of Arts

CHOU, B.-W. - The Chinese in Victoria: A Long
ECONOMICS

LIST OF RESEARCH STAFF

Professors:
  J. CREEDY
  S.J. DEERY
  I.R. HARPER
  P.J. LLOYD
  I.M. MCDONALD
  R.A. WILLIAMS

Readers:
  R.J. DIXON
  D.S. IRONMONGER
  N.R. NORMAN

Senior Lecturers:
  C.S. BEED
  J.W. BENSON
  J. EICHERBERGER
  G.D. GRIFFIN
  R.S. JONES
  A. KAN
  L.H. LI EW
  V.L. MARTIN
  R.L. SMITH

Lecturers:
  J. BORIAND
  A.W. GUNTHER
  S. GRANT
  A. KAWAGUCHI
  S. KING
  G.C. LIM
  R. LAWNICZAK
  J.N. LYE
  J.H. SHANNON

Senior Tutors:
  H. SIBLY
  M.F. STEWART

Tutors:
  L.A. CAMERON
  P.G. GAHAN
  G.A. HEPBURN
  P.J. McCALMAN
  J.F. MINIFIE
  P.S. TAYLOR

Research Fellow:
  S.D. BERTONE
  S.M. DONATH
  C.W. LLOYD-SMITH

Professorial Associates:
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  D.M. LAMBERTON

Senior Associates:
  B. HAMLEY
  V. JENNINGS
  J.P. NIEUWENHUYSEN
  P.J. SHEEHAN
  R.K. WILSON

Associates:
  K.J. CARTER
  A. GREGORY
  R.J.A. HARPER
  M.G. HARPER
  J. HEARN
  I.G. MANNING
  J.H. REEVES
  J. SULLIVAN
  L.S. WILLIAMS
  J.W. WILSON

Professor Emeritus:
  J.O.N. PERKINS
  C.S. SOPER

RESEARCH IN PROGRESS

MACROECONOMIC ANALYSIS

The optimal allocation of Australia's resources between present consumption & future consumption - I.M. McDonald
Household expenditure behaviour in Australia using modified Godley-Cripps model of wealth/income ratios - R.J. Dixon
Keynes' use of "wage-units" in General Theory - R.J. Dixon
Developing and testing macroeconomic models of unemployment and inflation - I.M. McDonald
Macroeconomic policy - J.O.N. Perkins
Customer market analysis - H. Sibly

ECONOMETRICS AND QUANTITATIVE TECHNIQUES

Dynamics of the real and nominal exchange rate in small open economies - G.C. Lim
Estimating money demand functions - G.C. Lim and V.L. Martin
Spectral analysis of interest rates - G.C. Lim and V.L. Martin
Testing speculative efficiency in foreign exchange markets - G.C. Lim
Asymmetric behaviour in economic data - J. Lye, I.M. McDonald and H. Sibly
Nonstationarity in panel data sets - J.N. Lye
Generalised exponential families: Theory, estimation and applications - J.N. Lye and V.L. Martin
Multiple equilibria and the distribution of the exchange rate - J.N. Lye, J. Creedy and V.L. Martin

FINANCIAL MARKETS AND MONETARY POLICY

Kaldor's neo-Pasinetti model in the light of Tobin's q - R.J. Dixon
Financial economics - J. Eichberger and I.R. Harper
Incomplete markets and indeterminacy of equilibrium - J. Eichberger
A model of the official short term money market - I.R. Harper
The profitability of banks since deregulation - I.R. Harper and T. Scheit
Superannuation and the Australian Financial System - I.R. Harper
Implicit contract models of the credit market - H. Sibly

INTERNATIONAL ECONOMICS

A link between the North American free trade area and the closer economic relations agreement - P.J. Lloyd
Regionalisation and World Trade - P.J. Lloyd
Political economy of immigration - P.J. Lloyd
Policy towards foreign investment in Australia, 1976-91 - A.W. Gunther
Trade policy with imperfect product substitution - N.R. Norman
The race for foreign investment - S. King
Generalisation of the Stolper-Samuelson theorem - P.J. Lloyd
Long working hour problem in Japan - A. Kawaguchi

LABOUR ECONOMICS

Quantitative division of labour in classical models with non-substitution - R.J. Dixon
Models of task assignment and firm structure - J. Borland
Determinants of individual wages and the wage structure in Australia - J. Borland
Income distribution - J. Creedy
Labour mobility - J. Creedy
The skill transfer scheme: A pilot survey - A. Kan
Some aspects of Australia's temporary residence immigration policy: The Special and Executive Program. A pilot survey - A. Kan
The relative importance of industrial structure and state specific factors in determining the level and duration of state unemployment - A. Kan and R. Dixon
Household labour supply in Australia - A. Kawaguchi

TRADE UNION BEHAVIOUR, INDUSTRIAL RELATIONS

Taxation and trade union wage demands - I.M. McDonald
Determinants of employee absenteeism - S.J. Deery
The law and practice of industrial relations in Asia - S.J. Deery
Determinants of organisational and trade union commitment - S.J. Deery
Factors affecting the probability of trade union membership - S.J. Deery
Migrants, the workplace and trade unions - S. Bertone
Australian trade union strategy and union theory - P. Gahan
Determinants of union mergers in Australia - P. Gahan
Taxation and trade unions - J. Creedy
Workplace industrial relations - J. Benson
Productivity and trade unions - J. Benson
Employee turnover and absenteeism - J. Benson
Performance related payment systems - J. Benson
Japanese labour relations - J. Benson
Migrants and trade unions - G.D. Griffin
Trade union finances - G.D. Griffin
Trade union mergers/structures - G.D. Griffin
Pay classifications - G.D. Griffin

ECONOMICS OF INDUSTRY

Collusion in Australian manufacturing - R.J. Dixon
Pricing and consequences of external influences - N.R. Norman and G. Hepburn
Organisational innovation - S. King
The level playing field and agricultural production in Australia - P.J. Lloyd

PUBLIC ECONOMICS

Multi-output cost functions for universities - R.A. Williams & P.J. Lloyd
Costs of civil litigation - R.A. Williams
Financing higher education - J. Creedy
Public choice and income tax progression - J. Creedy
Financing state pensions - J. Creedy
DEVELOPMENT ECONOMICS

The impact of regional property rights on the effectiveness of macroeconomic and structural policies in China - L.H. Liew
Economics of cultures and social customs - L.H. Liew

URBAN AND REGIONAL ECONOMICS

Chaos and its absence in models of diffusion in economics - R.J. Dixon
Policy options for reducing urban transport greenhouse emissions - C.S. Beed

MICROECONOMIC THEORY

When can lotteries over many goods be usefully treated as money lotteries? The role of substitution axioms - S. Grant
Interpreting multi-variate risk and risk aversion for non-expected utility preferences - S. Grant
Extending Ross's definition of "Strongly More Risk Averse" to multi-variate risks - S. Grant
Intrinsic risk aversion and partition independence: Characterising preferences that satisfy neither the independence axiom nor first order stochastic dominance with respect to preferences over certain outcomes - S. Grant
Characterising probabilistically sophisticated beliefs for subjective non-expected utility preferences - S. Grant
Implementing the core of a two-person pure allocation game without free disposal or integer games - S. Grant and S. King
Melioration: A theory of distributed choice where a decision maker is not fully informed of its preferences - S. Grant
Shopping in herds: Free-rider equilibria in a search game - S. King
Knowing when not to know: Strategic learning in a market for state-contingent goods - S. King
Endogenous idiosyncratic risk and moral hazard - S. King
A note on timing in Principal-Agent models - S. King
Game theory - J. Eichberger
Game theory and learning - J. Eichberger
Constitutional choice of rules - J. Eichberger
Inefficiency of monopolies in general equilibrium - J. Eichberger
Aggregation in general equilibrium models - P.J. Lloyd

HOUSEHOLD ECONOMICS

Household production functions - R.A. Williams & S.M. Donath
A generalised model of the household economy - P.J. Lloyd
A model of Australia based on household activities - D.S. Ironmonger, K. Sawyer, T. Van Hoa, S.M. Donath, C.W. Lloyd-Smith
Input-output tables of household productive and leisure activities - D.S. Ironmonger, S.M. Donath, C.W. Lloyd-Smith
The use and value of time and division of labour in the household - S.M. Donath, D.S. Ironmonger
Household demography - D.S. Ironmonger & C.W. Lloyd-Smith
Household capital - A. Rodger, D.S. Ironmonger, R.A. Williams, S.M. Donath
Settler households and the settlement process - D.S. Ironmonger, K. Murphy, C.W. Lloyd-Smith
Telephone use by households - D.S. Ironmonger & K. Murphy

OTHER TOPICS

A comparison of naturalistic and non-naturalistic methodologies in economics - C.S. Beed
A model of corruption - L.H. Liew
Branching processes in random environments - C.W. Lloyd-Smith
The optimal level of pollution: The relationships between a tax on pollutants, the level of pollution and product output - A.W. Gunther
Competitive money creation and bargaining - L.H. Liew
Commissioned detailed review of Porter's competitive advantage of nations - N.R. Norman

PUBLISHED WORK

Books


Chapters of Books


Articles


Reports


FACULTY OF ECONOMICS

Other Listings


AWARDS

I.M. MCDONALD - Fellow of the Academy of Social Sciences in Australia.

THESIS IN PROGRESS

Doctor of Philosophy

BANTOW, P.J. - The role of the information sector in regional economic development: Theory and policy implications for rural Australia.
EDWARDS, R.W. - Award restructuring: Its effects at the workplace.
GAHAN, P.G. - Australian unionism and Australian trade union theory.
GARDNER, H.A. - The politicisation of Australian allied health professionals.
HE, Y. - Technology development zones as mechanisms for technology transfer.
HEPBURN, G.A. - Market power or efficiency: The determinants of price-cost margins in Australian industry.
JOLLY, R.A. - Economic growth and ecological sustainability.
KACALA, V. - Corporate hedging strategies with taxation and transaction costs.
LEHMER, C. - Harmonisation of commodity and labour market policies through arbitrage.
LEUNG, A.P. - Overlapping generation models in mathematical economics.
MORLEY, C.L. - Economics of tourism demand.
PAICE, C.M. - A comparative study of internal labour markets.
SHANNON, J.H. - Sensitivity analysis for computable general equilibrium models.
SIBLY, H. - On the microfoundations of Keynesian economics.
STEWART, M. - The effects of fiscal equalisation.
TAYLOR, J. - The economics of consumer finance.
TREMBLAY, P. - Economics of tourism: An information theoretic approach.
THOMSON, D.M. - Prudential supervision of banks and non-banks in Australia.
WHITE, G.K. - The cycle and the operation of adjustment forces in a long period theory of output.
WONG, T.C. - The determinants of international equity flows and their significance.
Master of Commerce

KEMSTER, T.E. - The economic effects of changes in the distribution of wealth
NIALL, R.M. - Trade union strategies in a deregulated market: A case study of the Australian Bank Employees Union

SUBSTANTIAL GRANTS RECEIVED

BUREAU OF IMMIGRATION RESEARCH - Migrants, the workplace and trade unions. (G.D. Griffin)
BUREAU OF IMMIGRATION RESEARCH - An input-output model of initial settlement households. (D.S. Ironmonger)
AUSTRALIAN RESEARCH COUNCIL (ARC) - The relative importance of industrial structure and state specific factors in determining the level and duration of state unemployment. (A. Kan and R. Dixon)
ARC - The optimal allocation of Australia's resources between present consumption and future consumption. (I.M. McDonald)
ARC - The incorporation of time-use survey data into household production functions. (R.A. Williams)
ARC - A model of the official short term money market in Australia. (I.R. Harper)
ARC - Taxes and transfers over the life cycle. (J. Creedy)
ARC - A consumption tax for Australia: Alternative policy choices. (J. Creedy)
ARC - Nonstationarity in panel data sets. (J. Lye)
COLES MYER LIMITED - Households Research. (D.S. Ironmonger)
COMMONWEALTH DEPARTMENT OF INDUSTRIAL RELATIONS - Factors affecting the level of absenteeism and turnover in Australia. (Deery)
COMMONWEALTH DEPARTMENT OF INDUSTRIAL RELATIONS - Performance-related payment systems in Australia. (Deery)
FACULTY SPECIAL INCENTIVE GRANTS - G. Lim
FACULTY SPECIAL INCENTIVE GRANTS - J. Borland
FACULTY SPECIAL INCENTIVE GRANTS - J. Creedy
FACULTY SPECIAL INCENTIVE GRANTS - J. Eichberger
GENERAL MOTORS HOLDEN - Households Research. (D.S. Ironmonger)
TELECOM AUSTRALIA - Households Research. (D.S. Ironmonger)
LIST OF RESEARCH STAFF

Acting Director and Professor: I.R. HARPER

Senior Associate: E.A. BOEHM

Senior Research Fellows: D.T. JOHNSON
                         J.S. MCDONNELL

Research Fellows: S.S. CHAI
                 N. LENTINI
                 T. KING
                 W.T. LIEW

Research Associates: P. DAVIS
                    J.R. CUMPSTON

RESEARCH IN PROGRESS

Theory and fact of business cycles - E.A. Boehm
Consumer attitudes and expectations as leading indicators of economic change - E.A. Boehm and J.S. McDonnell
Indexes of economic activity - E.A. Boehm and S.S. Chai
Development of a leading inflation index for Australia - E.A. Boehm and S.S. Chai
Australia's economic development - E.A. Boehm
Economic modelling software - P. Davis
Tax treatment on autoleasing - P. Davis
Portfolio management automation - P. Davis
Portfolio option pricing - P. Davis
A model of the official short term money market - I.R. Harper and J. Carmichael
The profitability of banks since deregulation - I.R. Harper and T. Scheit
Superannuation and the Australian financial system - I.R. Harper, V.W. Fitzgerald and T. King
Simulation of ORANI-F-MILK - D.T. Johnson
A maximisation model for products and services subject to price control arrangements - D.T. Johnson
Household flows of funds analysis - T. King
The north west shelf project: Opportunities and outcomes for Australian industry - T. King
Foreign direct investment - T. King
Surveys of consumer attitudes, establishing the determinants of consumer demand for discretionary purchases - J.S. McDonnell
Reports


KING, T, and ROC, C. - "Intra-Asian Foreign Direct Investment: South East and East Asia Climbing the Comparative Advantage Ladder" 17 pp (May 1991)


THESES IN PROGRESS

Doctor of Philosophy

DAVIS, P. H. - Numerical Methods in Option Pricing
CUMPSTON, J.R. - Accident compensation in Australia and New Zealand
JOHNSON, D.T. - Poverty and Inequality in Australia

GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL - A Model of the Official Short Term Money Market in Australia.
INDUSTRIES COMMISSION - Simulation of ORANI-F-MILK.
MUNICIPAL ASSOCIATION OF VICTORIA - Victorian Local Government in 1991 - Results of Third MAV Survey of Municipal Finances.
TELECOM - A Maximisation Model for Products and Services Subject to Price Control Arrangements.
VICTORIAN FARMERS FEDERATION and the MUNICIPAL ASSOCIATION OF VICTORIA - Alternative Systems of Local Government Rating Farm Land.
WESTPAC BANKING CORPORATION - Surveys of Consumer Attitudes.

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LIST OF RESEARCH STAFF

Associate Professor:  
G. PARMENTER

Principal Lecturers:  
M. CLYDE  
B. JACKA  
F. PERRY

Senior Lecturers:  
R. BOREHAM  
M. COADY  
K. FELL  
T. HAY  
A. MITCHELL  
J. RODD  
C. URE

Lecturers:  
P. ANDREW  
G. BARRETT  
K. BOND  
P. BROBERG  
R. COULSON  
M. EDWARDS  
R. FERGUSSON  
M. GUILE  
G. MACNAUGHTON  
J. MILLIKAN  
C. O’NEILL  
S. ROLFE  
S. TINWORTH  
M. WANIGANAYAKE  
G. WILLIAMS  
P. LLOYD  
M. MADDERN

RESEARCH IN PROGRESS

Self-Help in 1930’s Depression - G. Barrett
Dance for Children with Dual Sensory Impairments - K. Bond
Students’ Thinking in a Multi-Arts Context - P. Broberg
The Attitude of the Early Childhood Field to the Male Early Childhood Worker - M. Clyde
Comparative Study of First Year Teachers - M. Clyde
Family Day Care: Perceptions of Providers and Children’s Services Officers About Their Work - M. Clyde and J. Rodd
Survey of Perceptions of the Definition of Caregiving in Child Care Practice - M. Clyde and J. Rodd
Definitions of Child Abuse - M. Coady
The Development and Application of Professional Codes of Ethics - M. Coady
The Development of Young Children’s Attitudes Towards Science - R. Coulson
Young Children’s Perceptions of the Role of Food in their Bodies - R. Coulson and A. Smith
Conservation Biology of the Pacific Gull Larus pacificus - R. Coulson
Negative Aspects of Practicum - M. Edwards
Undergraduates’ Attitudes to Mathematics - M. Edwards
Evaluating the Effectiveness of Early Intervention Programmes: A Cross Cultural Comparison of Australian and Chinese Measures of Efficacy - K. Fell

The Use of Metalinguistic Skills in the Development of Children's Narratives - K. Fell

An Evaluation of the Effectiveness of Three-Year-Old Kindergarten - R. Ferguson

Longitudinal Case Studies of Cognitive Development in 3-5 Year-Old Kindergarten Children - R. Ferguson

Writing Difficulties in Able Students - M. Guile

A Chinese-English Glossary of Terms in Early Childhood Education and Development - T. Hay

Biographical Materials on Chinese Teachers in Australia - T. Hay

Ethnic Minorities and Education in China - T. Hay

Developmental Study of Children's Dreams and Related Imaginal Experiences - B. Jacka

Inventory for Personality Type Measurement in Children - B. Jacka

Caregiver and Child Interactions in a Pre-School Aquatic Programme - P. Lloyd

Local Authority Management Structures for Child and Family Services - G. MacNaughton

Job Satisfaction in Childcare Workers - G. MacNaughton

Translation of Poetry by Contemporary Bengali Women Poets - M. Maddern

Use of the French Rondeau Form in English Poetry - M. Maddern

Child-Rearing Concerns of Recent Immigrants from South East Asia in Relation to their Immigration Experience - J. Millikan

Study of Gratuitous Violence in the Community as it Impacts upon the Young Child - M. Clyde and J. Millikan


Stress and Coping in Young Children: An Examination of the Effect of the Day Care Experience - G. Parmenter and M. Waniganayake

The Prevention of Dangerous Fire-play among 3-6 Year Olds - G. Parmenter

Language Use With Hearing Handicapped Children in an Integrated Pre-School Setting - F. Perry

The Correlates of Psychological Wellbeing in Mothers of Children under Five Years - J. Rodd

Psychological Wellbeing in Singaporean Mothers with Young Children: A Comparative Study - J. Rodd

Haptic and Bimodal Perception in Full-term and Pre-term Infants - S. Rolfe

Psychological Wellbeing in Mothers Who Use Infant Day Care - S. Rolfe

The Experience of Mothers Who Use Infant Day Care: A Qualitative Longitudinal Study - S. Rolfe

My Baby's Cared For: Parents and Staff Evaluate the Availability of High Quality Infant Day Care - S. Tinworth

Early Identification and Intervention: The Professional Views and Referral Practices of Paediatricians, General Practitioners and Maternal and Child Health Nurses - S. Tinworth

Infant and Caregiver Interactions in Centre-based Care - C. Ure

School Readiness Factors - C. Ure

Ethnic Identity during Early Childhood - M. Waniganayake
What They Bring; What They Give; and What We Build On: Student Entry Status and Its Relevance to Practicum Performance - M. Waniganayake, R. Boreham and A. Mitchell

Maternal Perceptions of Support Whilst Their Babies Are in Special Care Nurseries - G. Williams

PUBLISHED WORK

Chapters of books


Articles


Reports


Conference Papers


AWARDS

BOND, K. - Graduate Research Award, Congress on Research in Dance.
HAY, T. - Braille Book of the Year Award, 1991 (for 'Tartar City Woman').
RODD, J. - Scholarship from International Committee of Adlerian Summer Schools and Institutes, University of Arizona, U.S.A. (on basis of research and community work in Parent Education.)

THESES IN PROGRESS

Doctor of Philosophy

DENNEHY, S. - The Interaction Patterns of Hearing Impaired Children in an Integrated Child Care and Kindergarten Setting
KALANDYK, J. - The Effect of Music on the Emotions of Pre-school Children
MILLIKAN, J. - Child Rearing Concerns of Recent Immigrants from S-E Asia in Relation to their Immigration Experience
SLOANE, I. - An Examination of School Readiness Factors

Master of Education

COLLINS, A. - Primary School Dance Curriculum Development
GARRETT, R. - The Influences of a Dance Program on Adolescent Girls
LUDERS, B. - The Development and Evaluation of an Effective Method of a Beginners' Programme in Swimming
PAGE, J. - Critical Futures Studies: An Examination of the Underlying Concepts, Issues and Methodologies
RUZIC, G. - Language Other Than English: An Examination of its Underlying Assumptions, Rationale and Development
TAHL, R. - Inservice Provision Within Early Childhood

SUBSTANTIAL GRANTS RECEIVED

ARC SMALL GRANTS - Haptic and Bimodal Perception in Full-term and Pre-term infants
VHPF - The Prevention of Dangerous Fire-play in 3-6 Year Olds
ARC LARGE GRANTS - The Experience of Mothers Who Use Infant Day Care: A Qualitative, Longitudinal Analysis.
### Professors:
- H. BEARE
- K.B. START

### Readers:
- B.J. CALDWELL
- M.E. BERNARD
- F.W. RICKARDS

### Principal Lecturers:
- G. CLUNIES-ROSS
- F. HINDLEY

### Senior Lecturers:
- M.C. COOPER
- M. DAVEY
- I.P. DESAI
- E.M. DETHRIDGE
- P.J. DWYER
- R.A. FAWNS
- G.C. FENDLEY
- P.N. GILL
- K.C. HALL
- G.A. HAMMOND
- T. HANCY
- R.D. HEWITT
- G.M. HILDEBRAND
- N. JOHNSON
- P.G. JOHNSON
- G. LAKOMSKI
- P. LONG
- J. MUNRO
- F.D. NAYLOR
- R.P. PELETIER
- K.J. PIGDON
- A.N. PILLAY
- C. POOLE
- G. POYINTER
- R.A. SEMMENS
- W. STRINGER
- M. R. THEOBALD
- M. WOOLLEY
- J.C. WYN

### Lecturers:
- I.Y. ABU DUHOU
- J. ALLAN
- I.D. BROWN
- P.M. BROWN
- R.A. CARTWRIGHT
- I. DONOHUE-CLYNE
- K. FLEMING
- R. MCA FOSTER
- E. FRYDENBERG
- I.F. GIBSON
- D.F. GREAVES
- B.K. HAMPEL
- I.D. HEYWOOD
- R.C. JEANES
- A.B. KUEN
- D. MURPHY
- D.J. NANCE
- R.J. PHEMISTER
- E. SILKALNS
- W.G.S. SMITH
- R.A. SLAUGHTER
- D.M. TOE
- B.W. WILSON

### Senior Associate:
- E.G. EDEN

### Associate:
- S.E. DENNEHY
RESEARCH IN PROGRESS

Language and training needs of recently arrived NESB migrants - I.Y. Abu Duhou, W. Hampel, R. Woock
Evaluation of a new infant hearing screening program in the State of Victoria - S. Aldridge, F.C. Jarman and F.W. Rickards
Restructuring of Australian Education Departments and Agencies (National research project of the Australian College of Education) - H. Beare, G. Harman, G. Berkely
Restructuring schools: an international perspective on the education reform movement - H. Beare, W. Boyd
A review of rational-emotive education outcome studies - M.E. Bernard
Procrastination: causes and cures - M.E. Bernard
A practitioner's guide to using rational-emotive therapy effectively - M.E. Bernard
Evaluation of the "You Can Do It!" motivational program - M.E. Bernard
Rational-emotive consultation in applied settings - M.E. Bernard
The use of symbolic play skills in parents of hearing impaired children as an intervention strategy - P.M. Brown
An integrated approach. A case study at the Institute of Education, The University of Melbourne - M.C. Cooper and J. Peletier
Teaching young children with intellectual disabilities to self instruct when problem solving - G. Clunies-Ross
Self instruction training with primary school students - G. Clunies-Ross
An ethnic profile of B.Ed.(primary) students at MCAE 1984-89: a database - I. Donohue-Clyne
On being bilingual - I. Donohue-Clyne
Cross-cultural communication curriculum for teacher education - I. Donohue-Clyne, H. Hunter
Disaffiliated early school leavers - P. Dwyer, E. Holden, D. Maxwell, J. Wyn, R. Woock, B. Wilson
The impact of social change: Young people in seventeen secondary schools - P. Dwyer
The social history of school science - R.A. Fawns
Curriculum studies teaching in Diploma in Education courses - R.A. Fawns
History of Australian Universities - G.C. Fendley
Educational reform in the Soviet Union - G.C. Fendley
A modern approach to introductory epistemology - K.G. Fleming
The nature of educational theory - K.G. Fleming
De-schooling theory - P.N. Gill
The work of Paulo Friere - P.N. Gill
Progressive and alternative school theory - P.N. Gill
Gender differentiation in science classrooms - G.M. Hildebrand
Gender inclusive science education practices - G.M. Hildebrand
Youth needs study in Cranbourne - E. Holden, R. Holdsworth
Broadmeadows youth health project evaluation - R. Holdsworth
Broadmeadows Good Neighbourhood Programme - R. Holdsworth, E. Holden, B. Wilson
Referential communication in deaf children - R.C. Jeanes
Conceptions of educational policy studies - G. Lakomski
Educational research methodology: the quantitative-qualitative debate - G. Lakomski
Critical theory in social and educational research - G. Lakomski
Coherentist-physicalist epistemology in educational administration research - G. Lakomski
Women and education - G. Lakomski
Development, analysis and validation of a learning strategies programme - J. Munro
Analysis of the reading strategies used by reading underachievers - J. Munro
Development, analysis and validation of an intensive mathematics in-service course - J. Munro
Fundamentals of curriculum - D. Murphy
The role of Jesuits from the Irish Province - D. Murphy
The measurement of career beliefs - F.D. Naylor
Construction of an Australian version of the Career Beliefs Inventory - F.D. Naylor
Relations between beliefs, interests and aptitudes - F.D. Naylor
Structures and clusters in basic interests - F.D. Naylor
Construct and predictive validity of occupational interest measures - F.D. Naylor
Longitudinal studies of the career and course choices of Australian adolescents - F.D. Naylor
The interest profiles of Australian occupations - F.D. Naylor
The structure of preferences for and choices of school subjects - F.D. Naylor
The structure of trades vocabularies - F.D. Naylor
The constructions of a trades vocabulary test - F.D. Naylor
Intensive teaching within a whole language context for student teachers - J. Peletier
Language education: interaction and development - J. Peletier
Preoperative evaluation and selection of children for cochlear implantation - F.W. Rickards
Auditory steady-state evoked potentials in sleeping adults - F.W. Rickards
Neonatal hearing screening using auditory steady-state evoked potentials - F.W. Rickards
Communication development of pre-school children with cochlear implants - F.W. Rickards, P.M. Brown
Educational management of children with cochlear implants - F.W. Rickards, P.M. Brown
Evaluation of education, training and work programs at Barwon Prison - R. Semmens
Pilot study for the Foresight initiative - R.A. Slaughter
Young people's media project - R.A. Slaughter, D. Bretherton, et al
Moral rights in education - W.G.S. Smith
The place of music in an educational curriculum - W.G.S. Smith
School retention rate survey. Three year study of 2800 students tested at Y9 and followed for 3 years - K.B. Start, K. McGuigan
Asthma, theophylline and intellect: a double blind study of the intellectual side effects of asthma treatment on young children - K.B. Start, J. Sly
Counselling needs of CHIP parents - K.B. Start, G. Alsop, G. Clunies-Ross
A study of the concept and practice of curriculum P-12 - W. Stringer
The experiences of women as teachers and learners in nineteenth-century state education systems - M.R. Theobald
Studies in the use of radio frequency hearing aids by hearing impaired students - D.M. Toe
Factors affecting reading comprehension ability in hearing impaired children - L. Walker
Young Workers, training and industry restructuring, B. Wilson, E. Holden
Contexting STD services for young women, J. Wyn, F. Stewart, S. Hodge, R. Holdsworth

PUBLISHED WORK

Books


Chapters of Books


Articles


BEARE, H. - Remarkable holding power of state secondary schools, in Principal Matters 2(2): 6-7 (1990)

BEARE, H. - Where is the restructuring movement taking us?, in Principal Matters 2(3): 3-6 (1991)


MUNRO, J. - Phonological encoding and reading disabilities: a review, in Literacy Learning 1: 3-8 (1991)

SLAUGHTER, R.A. - The machine at the heart of the world: technology, violence and Futures in young people's media, in Papers 2: 1 (1991)

Recordings

TOE, D. - The use of radio frequency hearing aids by hearing impaired students in integrated setting - an audio-visual resource package VHS, Beta : 19 mins.

PATENTS GRANTED

INVENTORS: L.T. Cohen and F.W. Rickards
U.S. PATENT NO: 5,023,783
11 June 1991
APPLICANT: The University of Melbourne.

THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy
BLACKLER, S.E. - Henry Lowther Clark and educational policy in the Anglican diocese of Melbourne 1903-1920
GRIFFITHS, J.R. - Ruskin on education
LAMB, S.P. - Academic selection in Australian secondary schools
MUNDY, K.G. - The struggle to achieve: the Vietnamese experience of secondary schools in working class neighbourhoods of Melbourne 1986
RYAN, M.F. - Children's perceptions of change in families

Master of Education

ADAMS, D. - Succeeding academically at a working-class school: some base studies
ANDERSON, P.M. - Devolution: the local selection of teachers in Victorian State Schools
ANGELIDIS, O. - NESB females as students and as teachers
AYDIN, M. - Epitome and translation of 'Kadin Soronu' (The Status of Women) by Necla Arat
BAGNALL, N. - The International Baccalaureate in Australia
BARBER, J.B. - Integrated study
BENSON, A.D. - Henry Sidgwick and reform at Cambridge, 1859-1900
BESTER, A.J. - Agency and communion in science teaching
BLACKLER, D.P.A. - Independent schools and children of high intellectual potential
CARLISLE, B. - Women, sport and education
CARTELLI, C. Anton Semyonovich Makarenko and progressive education: a study of pedagogical poem or the road to life
CREES, V. - Mutually beneficial: an evaluation of certain aspects of co-education at Wesley College, Melbourne
CULLEN, P. - Students' music preferences in three schools in the western suburbs of Melbourne 1989
FAIRBAIRN, N. - Two periods of boarding at The Geelong College
FRITH, S. - Fact and fiction in "Picnic at Hanging Rock"
GILL, W. - The Australian Science Education Project: a base study in curriculum implementation
HART, J.D. - Teacher stress in technical education
HEFFERNAN, C. - Educator motivation: leadership challenge and responsibilities
HIBBEN, J. - More than the shoes on asphalt
HOGAN, M.A. - Identifying effective strategies for HIV education within the homeless youth community
HORTON, J.E. - Multiculturalism - the implications for midwifery education
HUGHES, H.A.W. - Educational administration theory and the practice of school management
HUNG, C. - The transfer of basic nursing education from hospital schools of nursing to Colleges of Advanced Education and Universities
JAMES, R.H. - The continuing development of teaching staff at the Victorian College of Agriculture and Horticulture
JOHNS, H.M. - Childbirth education in an alternative birth setting
KLAN, J. - Knowledge and vital piety - John Wesley's ideas on education: sources, theories and practice
KREZLEWSKA, G. - The story of Ellen O'Callaghan - an unmarried female, Irish-Catholic teacher in the Victorian Education Department, 1873-1904
LAM, M.H. - The influences that shape bilingual education programs
LYNCH, M.J. - Teaching human relations in secondary schools
MCCORKELL, D. - Catholic education in Australia 1806-1950
MCMAHON, J. - The possibility of objectivity in aesthetic evaluation in the visual arts
MARTIN, S. - Provision for longer term residents in the adult migrant education program; an historical overview from 1947-1990
MEYENN, A.J. - Equity of access to higher education in Australia: discussion and analysis of issues
MILES, M. - Defining education: Kieran Egan's contribution to current educational theory and practice
PANTAS, I.J. - From the industrial to the convivial ethos: Ivan Illich on needs, commodities, education and the politics of change
PASCOL, S.M. - The effectiveness of curriculum coordinator networks for catholic secondary schools
PHILLIPS, D.J. - Nurses' knowledge of postnatal depression
PITT, V.A. - Policy for orthoptic services in the Victorian community
STOCK, C. - Pursuing school renewal in the midst of change
THOMPSON, K. - Student stress: a preliminary investigation into the school-related stress experience of Year 8 students, using a Hassles and Uplifts approach
TRAINA, M. - A history of Mt St Joseph's College
WALSH, M. - Catholic Ladies College: a case study in Catholic education in Victoria
WATKINSON, A. - Literature and English teaching
WEBSTER, J. - The education of an adult: the ideas of Martin Buber
WERRY, R.J. - The construction and testing of a novel chemistry text incorporating human values
WIGGLESWORTH, L. - The identification of factors significantly correlated with out of tune singing and in tune singing in a class of fourth grade boys
WILSON, G.M. - German in Victorian secondary schools: differences in provision
WYATT, S. - Towards redressing the neglect of 'Impositional Knowledge'

THESIS IN PROGRESS

Doctor of Philosophy

ALSOP, G. - The counselling needs of the parents of children of high intellectual potential
ANDERSON, W.C. - Adaptations of organisations in education systems to government changes in educational policy
BANKS, D.K. - Effective schools research and policy making in Australia
BARNETT, W.C. - An analysis of the impact of computers upon schools
BEATTIE, K.M. - The teaching of statistical thinking styles to tertiary students with a humanities background
BENJAMIN, M. - Teacher knowledge and the development of students' intellectual independence
BENSON, A.D. - Reform at The University of Melbourne 1902-1923
BIDDINGTON, J.L. - Women and work - the role of education 1910-1945
BLACKLER, S.E. - Henry Lowther Clarke and educational policy in the Anglican diocese of Melbourne, 1903-1920
BOYACK, G.H. - Anatomy of medico-pedagogical methodology; an evaluation of the origins and significance of Montessori schooling practices
BRIDGLAND, A. - The impact of the Training Guarantee Act on professional development in Victorian academic libraries
BROWN, P.M. - The use of symbolic play skills in parents of hearing impaired children as an interaction strategy
BUCKENHAM, J.E. - The socialisation of the beginning professional nurse
CAHILL, N. - History of the Victorian Gifted Children's Task Force
CAMPBELL, J.K. - Curriculum/pedagogical theory
CHARLTON, M.P. - Risk factors in the development of very low birth-weight infants
DASGUPTA, M. - Intervention with Down syndrome children; effect of different cognitive strategy training
DENNEHY, S.E. - The interaction patterns of hearing-impaired children in an integrated child care and kindergarten setting
DRYSDALE, L.G. - The effect of assessment centres and associated programs on participant skill development
D'SOUZA, C.P. - Assessment centres in education and training
FARQUER, A.M. - The educational development of multicultural groups: a comparative analysis in a catholic school
GIDDENS, M.J. - A vision of unity? A comparison and analysis of the music movement approaches to Curwen, Dalcroze, Steiner, Orff and Kodaly, and their historical development
GOODING, A.V. - An examination of the intellectual development occurring in mathematics in co-operating groups in primary schools
GOODRICH, R.A. - Representation, the Arts and educational theory
GREAVES, D.F. - Stress management in special education
HAMILTON, D.I. - An behavioural analysis of pre-school instruction for children with developmental problems
IRVINE, W.P. - Results of the video calendar service in educational institutions at the primary level
JEANES, R.C. - Referential communication in deaf children
JONES, G.W. - The educational and social needs of teenage mothers
KIDD, G.J. - Sex differences in the predictive power of occupational interests
LAM, M. - Popular fiction for adolescent girls in the post world-war two period
LEASK, J.D. - Music and the aims of education
LEE, K.T. - A study of attitudinal difference of secondary students and teachers towards computer education
LONG, P.E. - Perceptions of gifted and non-gifted students regarding educational grouping and programs for children of high academic potential within independent schools in Australia
MacLELLAN, B.M. - Walter Bonwick and the place of music in the curriculum of the national, common and state schools, 1854-1883
MANDER, E.M. - A framework for a personal development curriculum: pedagogical and epistemological implications
MARGINSON, S.W. - Free market discourses in Australian education
MATTERS, P.N. - Mentoring programs in organisations including educational institutions
MAY, S.C. - A comparison of two approaches to integration
MCMAHON, J.A. - Aesthetics, cognition and creativity
MORGAN, G. - Bayesian analysis for the Rasch model with prior distributions for persons and items
MUNDY, K.G. - The educational experience of Indo-Chinese children in Australia
MULRANEY, R.A. - The development of differentiated mathematics programs in Victorian state primary schools for children of high intellectual potential: a dependency relationship
MURPHY, B. - A multivariate study of the determinants of subsequent academic achievement and social adjustment of gifted children In an accelerated program
O'CONNOR, T.M. - Wesleyan Methodism and the pedagogics of Christian formalism in Victoria, 1836-1901
PACE, A.R. - Integration in Victoria - the role of integration teachers
PANTAS, I.J. - Education and progress: an examination of some radical criticisms of education
PATTERSON, V. - Teachers' attitudes toward integrated students in the regular classroom
PEAR, D.A. - Imperial 'muscular' educators: three case studies
POLESEL, J. - ESL policy and provision in Victoria: a history
ROSE, S.R. - Language as incantation: a series of perspectives
ROSE'MEYER, P.E. - Identification of giftedness in children from minority groups
SALVAS, A.D. - Computer education provision in Victorian post-primary schools, a history and an evaluation
SANDERS, L.J. - A study of the influences of selected teacher affective characteristics upon the process of curriculum implementation
SENGUPTA, S. - Fairness in the new VCE program
SLOANE, I.M. - Factors in school readiness
SMITH, K.H. - Relations among global self-concept, academic self-concept and academic achievement in primary school children
SMITH, P.J. - Women, education and social change in the Philippines
SMYTH-EDWARDS, J.A. - Access and excellence in education: some twentieth century writers' attempts to solve the dilemma
STEVENS, S.M. - Towards a non-foundational theory of music education: a pragmatic alternative
TOE, D.M. - Studies in the use of radio frequency hearing aids by hearing impaired students
TYLER, D.L. - Be a good child: Discourses of the child and mother between the wars
WALKER, L.M. - Factors affecting reading comprehension levels in school-age hearing-impaired children
WATSON, D.E.R. - Articulation in Australian tertiary institutions: a crisis in student transferability and appropriate policy development
WEIR, D.J. - An analysis of the structural changes in the administration of primary and secondary education in Australia: 1970-1990
WHITING, M. - A study of Anglican independent schools in colonial Australia, and their relationships with the Anglican church
WILLS, I.R. - The legacy of education for domestication
WILSON, B.W. - Industry restructuring and skills formation in Australia
ZAJDA, J. - Policy change in secondary school curriculum in the USSR, 1966-1984
ZAJDA, R. - The self and life career

Master of Education (Major Thesis)

ADAMSON, R.D. - Implementation of VCE Australian Studies into Victorian post-primary schools
BARTOS, M. - An analysis of the Commonwealth's role in improving schooling
BROWN, L. - Speech improvement following cochlear implantation in children
CHESSELL, P.E. - History of Korowa A.G.S.
DACAKIS, G. - Voice characteristics following gender re-assignment
DAVIS, P.F. - Educational administration
DETTMAN, S.J. - Development of auditory perception skills and phonetic repertoire in cochlear implant children under 5 years
FORD D.W. - A study of local communities and their schools in the Shire of Braybrook
FRAWLEY, N.J. - Successful professional women's life histories: the private and the public
GILLIES, K.M. - Maternal dominance and its effects on the communication skills of hearing and hearing-impaired children
HARVEY-BEAVIS, A.P. - Relations between vocational interests of parents and children
HOLLOW, R. - The development of auditory skills in hearing impaired infants
HUMFREY, D. - Teacher characteristics related to planning and evaluating pupil learning achievement
JAPP, K. - Development and evaluation of the mobile initiatives project
KENTISH, B.J. - Environmental education curriculum
KNUCKEY, L.M. - Educational management of pre-school hearing impaired children
MEAD, D.L. - Para professionals models of teaching/learning
NANCE, D.J. - Personal reality and problem selection in the social sciences
O'BRIEN, A. - Developing an education vision in a parish
OWEN, P.F. - Factors affecting the introduction of technology/industry education in secondary schools
PURDEY, R.L. - The idiosyncratic curriculum
RANDS, L.J. - Primary teaching reading program
ROBERTSON, D. - Maternal play skills and early language development in hearing impaired preschoolers
ROBINSON, D.A. - Education management of hearing impaired children under 5 years

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ROGERS, P.J. - Evaluation of introductory statistics course in Diploma of Nursing
SANNA, S. - The education management of children under 5 years with cochlear implants
WEBB, J. - Educational administration
WILKS, S.E. - The work of Mathew Lipson et al

SUBSTANTIAL GRANTS RECEIVED

ADVISORY COUNCIL FOR CHILDREN WITH IMPAIRED HEARING - Education of the hearing-impaired
BUREAU OF IMMIGRATION RESEARCH - Language and training needs of recently arrived NESB migrants
CHIP FOUNDATION - Children of High Intellectual Potential research
COMMONWEALTH DEPARTMENT OF HEALTH, HOUSING and COMMUNITY SERVICES - Contexting STD Services for Young Women
CRIMINOLOGY RESEARCH COUNCIL - Program Evaluation at Barwon Prison
DEAFNESS FOUNDATION OF VICTORIA - Reading Comprehension in School Age Hearing Impaired Children
DEET: NATIONAL PRIORITY (RESERVE) FUND - Cross cultural communication in teacher education
MARIST BROTHERS - Youth Attitudes and Change in Marist Schools
MINISTRY OF EDUCATION - Disaffiliated Early School Leavers
MINISTRY OF EDUCATION - Intensive Numeracy Strategies
ROYAL CHILDREN'S HOSPITAL RESEARCH FOUNDATION - Evaluation of a new infant hearing screening program in the State of Victoria
ROYAL CHILDREN'S HOSPITAL RESEARCH FOUNDATION - Early identification of hearing loss in a high risk population using steady state auditory response audiometry
SPECIAL INITIATIVES GRANT - Developmental Changes in Children under Five Years with cochlear Implants
SPECIAL INITIATIVES GRANT - Adolescent coping behaviour
SPECIAL INITIATIVES GRANT - The Professional and Personal Experiences of Women as Teachers in State Education Systems in 19th Century Victoria, New South Wales and South Australia
VICTORIAN COMMITTEE FOR THE PROMOTION OF ORAL EDUCATION OF THE DEAF - Developmental Changes in Children under Five Years with Cochlear Implants
VICTORIAN COMMITTEE FOR THE PROMOTION OF ORAL EDUCATION OF THE DEAF - Educational Management of Pre-School Hearing Impaired Children
VICTORIAN EDUCATION FOUNDATION - Young Workers, Training and Award Restructuring
DEPARTMENT OF EDUCATIONAL DEVELOPMENT AND EVALUATION

LIST OF RESEARCH STAFF

Head and Associate Professor:
J.E. ANWYL

Deputy Head:
G.R. ELSWORTH

CENTRE FOR THE STUDY OF HIGHER EDUCATION

LIST OF RESEARCH STAFF

Director and Associate Professor:
J.E. ANWYL

Senior Lecturers:
W. CAHILL
S.D. DRIVER
R.F. GARTON*
M. POWLES
P. RAMSDEN
S. WILLS

Senior Research Fellows:
J.I. BALLA*
S.W. MARGINSON

Research Fellow:
M. BALLA*

Senior Research Assistant:
A. STEPHANOU

Research Assistants:
J. JENKIN*
S. O'HANLON
C. MACHILLAN
K. McINDOE
M. RAIN*
A. SCHARASCHKIN*

Senior Associate:
G.N. MASTERS

Lecturers:
E. CANALE
A.E. DODDS
C.V. McINNIS
C. McNAUGHT
J. SWALES
P. WEIR*

* indicates part-time

RESEARCH IN PROGRESS

THE ACADEMIC PROFESSION

Aspects of academic work: Teaching and research in higher education - P. Ramsden and I. Moses (University of Technology, Sydney)
Organisational culture and academic work practices: The role of social relations and group commitment - C. McInnis

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Awards for teaching excellence at Australian universities - C. McNaught and J.E. Anwyl

CAREER DEVELOPMENT AND PARTICIPATION
Participation, access and equity in TAFE - M. Powles
Participation in honours degrees and higher degrees: Academic staffing issues - M. Powles

ECONOMICS
Productive and unproductive labour - S.W. Marginson

ECONOMICS OF EDUCATION
Education as a commodity - S.W. Marginson
Profiles and data collection in higher education - S.W. Marginson, J.E. Anwyl and S. O’Hanlon
Quantitative trends in Australian higher education, 1983-1991 - S.W. Marginson
University autonomy and academic freedom - S.W. Marginson

GOVERNANCE AND POLICY
The effects of Labour's higher education policies, 1983 to 1991 - S.W. Marginson, J.E. Anwyl and S. O’Hanlon

INDUSTRIAL RELATIONS
'Real live' productivity - S.W. Marginson

PERFORMANCE INDICATORS IN HIGHER EDUCATION
Development of a student rating instrument - P. Ramsden

POSTGRADUATES
Postgraduates - supervision, progress, attrition, nexus between postgraduate and national research policies - M. Powles
Structure and function in higher degrees - M. Powles

PROFESSIONAL EDUCATION
Professional formation of technologists - D. Mansell, D. Stewart (Engineering) and A.E. Dodds
The role of experience in professional ethical problem solving - A.E. Dodds
Socially constrained dilemmas in professional life - J.A. Lawrence, A.J. Wearing (Psychology) and A.E. Dodds

STUDENT FINANCE
Tertiary and postgraduate student assistance policy - M. Powles

TEACHING AND LEARNING IN HIGHER EDUCATION
Tertiary students' self-directed learning - A.E. Dodds

TEACHING, LEARNING AND ASSESSMENT IN HIGHER AND SECONDARY EDUCATION
Measuring the development of understanding - P. Ramsden and G.N. Masters (ACER)
Conceptions of teaching in higher education - P. Ramsden

PUBLISHED WORK

Books

Chapters of Books


**Articles**


Reports


THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

Sowden, S.S. - Evaluating curriculum evaluation models in higher education.

Master of Education

Burton, P.A. - Evaluation criteria in the determination of competency of nursing undergraduates' psychomotor skills.
McKinnon, V. - A context-based evaluation of the Australian Overseas Student Policy.
Tibballs, J. - Teaching medical staff to handwash.

THESES IN PROGRESS

Doctor of Philosophy

Drennan, J.F. - The function of the thesis in higher education.
Dodds, A. - The role of experience in professional problem solving.
Driver, S.C. - Textual design of instructional material.
EISENBERG, N. - Improving medical student learning of anatomy.
MARGINSON, S.W. - The development of markets in Australian education.
McINNIS, C. - Social justice values in university student selection: Academic cultures in the policy implementation process.
McMILLAN, R. - Music improvisation: Teaching and learning at the first year of tertiary education.
PATRICK, K. - Independence in learning.

Master of Education

GAVAN, A. - Cross-sectoral library amalgamation case study.
GOVE, K. - TAFE teachers' perceptions of teaching and learning.
HAMMOND, B. - The impact of entrepreneurialism in TAFE.
WOOD, N. - Managerialism in higher education.
XU, J. - Higher education and socio-economic development in Australia.

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL (ARC) - Conceptions of teaching in higher education.
DEPARTMENT OF EMPLOYMENT, EDUCATION and TRAINING EVALUATION - Investigations Program. Effectiveness of different models of evaluating teaching and courses.
DEPARTMENT OF EMPLOYMENT, EDUCATION and TRAINING - National Priority (Reserve) Fund. Progress and retention in honours degree courses.
VICTORIAN EDUCATION FOUNDATION - Multimedia learning materials in total quality management.
SCHOOL OF HUMANITIES AND INFORMATION STUDIES EDUCATION

LIST OF RESEARCH STAFF

Head of School and Associate Professor:
G.P. CORR

Senior Lecturers:
A. BRIDGLAND
L.F. BROOKES
B. COLLETT
R.D. EWINS
D. GARDEN
P.M. GRANT
J.A. JOHNSON
D. MC. DOUGALL
R.J. MISSON
C.A. PENNICEARD
M. SANDOW-QUIRK
J. SENYARD
B.E.J. SYMES
A.J. THOMAS
R.E. WILKES

Lecturers:
D.A. ADENEY
B.F. BARTAL
N.A. BATTYE
D.C. BECKETT
G. BELL
B. BUGG
B. CHEREDNICHENKO
P.E. COBBIN
B.I. COPE
C.M. DAVIDSON
S.J. EDWARDS
A. FILIPPI
C.M. FINOCCHIARO
A.M. GILDING
J.A. GLASER
L. GOURLAY
J. HAMSTON
G.J. HART
R.W. HAWTHORN
A.K. HOPKINS
R.J. HOWARD
C. JOHNSTON
A.W. JOHNSTONE
C.L. JUNOR

Lecturers (Cont’d):
K. LOVE
P.M. MACINTYRE
P.F. METHERALL
J.R. MURRAY
G. MOORS
E.L. NICHOLLS
J.M. ORTON
J. PARRY
R.W. PEOPLES
A. PETTS
J.L. PONTING
J. REIDY
C.C. SEMPLE
B. SMITH
J. READ
H.L. SPARGO
R.W. STEER
E. TANNER
E. TAYLOR
H.K. TIPPETT
D.F. TYLER
S.E. WILKS
C.M. WILLIAMSON
W.J. YOUNG
A. YULE

Senior Tutors:
J. BRADBEER
V. NORMAN
C. TSCHERNNTZ
RESEARCH IN PROGRESS

BUSINESS STUDIES

(Information not submitted, as at Nov '91)

HISTORY AND POLITICS

Biography of Richard Fox - B. Collett
The Military, Government and Society in Siam, 1868-1910: Politics and Military Reform during the Reign of King Chulalongborn - N. Battye
The Front Palace Crisis in Siam 1874-1875 - N. Battye
The Franco-Siamese War of 1893 - N. Battye
Builders to the Nation: The A.V. Jennings Story (to be published by M.U.P. 1992 G. Brenan and Spain - P. Grant
The Mitterrand Presidency and France's Overseas Possessions, 1981-1986 - D. McDougall
History of the Melbourne Teacher Training Colleges - D. Garden
The 1988 French Referendum on New Caledonia - D. McDougall
An introduction to international relations, with particular reference to the Asian-Pacific region, the superpowers and Australia - D. McDougall
An analysis of the influence of the issue of Ritualism (in the Church of England) on the General Election of 1900 - P. Nicholls
A Visual History of a Farming Community - J. Senyard

LANGUAGE AND LITERATURE

The interface between ESL and mother-tongue literacy programs in the primary school - C. Davison
Theory of Teaching Texts - R. Misson
Popular Culture in the Classroom - R. Misson
Re-educating Adult Learners to improve their perception of Chinese Tones - J. Orton
Action Research Methodology - J. Orton
Australian Perspectives on Asia - J. Orton
Methodology of teaching Chinese, especially oral skills - J. Orton
Patterns of Textbook Use in Postprimary English Classrooms - K. Love and J. Reidy
Linguistic Systematicity in Radio Talk Back - K. Love
The Role of Teacher Talk in Classroom Dynamics - K. Love
Critical Literacy and Inquiry Skills - J. Hamston
Twentieth Century Fiction - H. Tippett

LIBRARY AND INFORMATION STUDIES

Basic Telecommunications Needs Project (funded by Telecom, based at RMIT) - K. Williamson et al.
The Oxford Companion to Australian Children's Literature - P. McIntyre (with Stella Lees)

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Applications of remote real-time learning over distance to LOTE methodologies for language teachers in rural cluster schools - W. Johnstone
Automated Library Systems - P. Metherall

PHILOSOPHY

Philosophy within the School Curriculum - B. Cherednichenko, J. Glaser, S. Wilks, A. Yule
Seven Deadly Sins - D. Adeney
Experiential Learning in Philosophy - J. Bradbeer, A. Yule
Democratic Schooling - D. Beckett
Using Philosophy in the Classroom - S. Wilks
Taming Nihilism - A. Yule
Children's Understanding of Personal Identity - J. Glaser
Evaluation of the Philosophy for Children Program - J. Glaser

PUBLISHED WORK

Books


Chapters of Books


Articles


WILKS, S. - Philosophy already has a place in the Victorian School Curriculum in the 1990's in *Language, Learning and Literature*, Vol.2 No. 1 1990 Gippsland Institute, School of Education. pp 34-37.


ORTON, J. - Good Reading - A Judge's Perspective, *Chinese Language Teachers' Association of Victoria Newsletter* No 5, p 3 (December 1991)


READ, J. - Review of "Indonesian Studies: An Annotated Bibliography for Years 7 to 12", *Indonesian Studies Newsletter* No 13, pp 36-37 (October 1991)


Reports


SPARGO, H. - Issues Facing Teachers of Asian Studies, Catholic Education Office Asian Languages and Asian Studies Conference, June 5-6, 10 pp (1991)


WILLIAMSON, K. (with Mark Balnaves, Peter Caputi, Katie Purvis) - Development of a methodology for Telecom's Basic Telecommunications Needs Project: corporate actors, politics and the methodology of needs assessment. Presented to Circuit-Telecom Australia Workshop on Research on Domestic Telephone Use, 15 pp (February 1991)

THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

JUNOR, C.L. - A comparison of normal reading, speed reading and speed listening (Monash University, 1990)
ORTON, J. - Educating the Reflective Practitioner in China: A Case Study in Teacher Education (La Trobe, 1991)

Master of Education

LOVE, K. - Towards a Further analysis of Teacher Talk (The University of Melbourne, 1991)

THESES IN PROGRESS

Doctor of Philosophy

BRIDGLAND, A. - The impact of award restructuring and the Training Guarantee Act (1990) on staff development in academic and state libraries
WILLIAMSON, C.M.M - Problems of Innovation and Change in Education; Teacher-Librarianship in Victoria
TIPPETT, H. - Early Twentieth Century Literature
GARDEN, D. - Teacher Training in Carlton: The Predecessors of the Institute of Education
LOVE, K. - Linguistic Indicators of Teaching Style

Master of Education

DAVISON, C. - Behind the Labels: 'Second-Phase' ESL Learners and Oral Academic Language Proficiency
WILKS, S. - Philosophy for Children as an Example of Curriculum Change
GLASER, J. - Evaluation of the Philosophy for Children Program
SPARCO, H. - Teachers' Professional Development
Master of Business (Information)

PONTING, J. - Value-added information services in Victorian law firm libraries

SUBSTANTIAL GRANTS RECEIVED

DEET - NATIONAL PRIORITY RESERVE FUND - Asian studies/languages
WILLIAMSON, K. - (co-recipients: Caputi, P., Purvis, K.) - Basic Telecommunication Needs Project
SCHOOL OF SCIENCE AND MATHEMATICS EDUCATION

LIST OF RESEARCH STAFF

BIOLOGY

Senior Lecturers:
J. BAIRD
D. MORGAN

Lecturers:
G. COULSON
D. GLEESON
K. JACKSON
J. PRITCHARD
A. STOCKER
R. WILLIS

INTERDISCIPLINARY SCIENCE

Senior Lecturer:
M. SEIFFERT

Lecturer:
W. GILL

MATHEMATICS AND COMPUTER SCIENCE

Associate Professor:
D. A. ROBBIE

Senior Lecturers:
B. McCRAE
K. STACEY

Lecturers:
G. ASP
J. DOWSEY
P. HERLIHY
M. NG
J. RYAN
R. WELSH

CHEMISTRY AND PHYSICS

Senior Lecturers:
L. ALLEN
J. BIRD
V. CURARIE
G. KAKOS
J. PEARCE
W. D. McFADYEN
G. SCOLLARY

Lecturers:
M. K. LIVETT
R. ALBERT

Research Fellow:
M. MACGREGOR

MATHEMATICS AND COMPUTER SCIENCE

Associate Professor:
D. A. ROBBIE

Senior Lecturers:
B. McCRAE
K. STACEY

Lecturers:
G. ASP
J. DOWSEY
P. HERLIHY
M. NG
J. RYAN
R. WELSH

MATHEMATICS AND COMPUTER SCIENCE

Associate Professor:
D. A. ROBBIE

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B. McCRAE
K. STACEY

Lecturers:
G. ASP
J. DOWSEY
P. HERLIHY
M. NG
J. RYAN
R. WELSH

Research Fellow:
M. MACGREGOR

RESEARCH IN PROGRESS

SCIENCE

Conservation biology of the Striped Legless Lizard, *Delma impar* - G. Coulson

Demography of a culled population of the Western Grey Kangaroo, *Macropus fuliginosus* - G. Coulson and B. Walters


Kangaroo population monitoring by line transect methods - D. Morgan

Stock assessment of Southern Bluefin Tuna - D. Morgan

Environmental impact of the entry of coarse sediment into the lower reaches of rivers tributary to the Gippsland Lakes - J. Bird

Historical changes in the morphology of some Gippsland river channels - J. Bird

Studies on allelopathy in the genus *Eucalyptus* - R. Willis

Body composition, diet and exercise study - J. Pritchard

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A cyto-molecular study of chromosomal evolution in *Rhynchosciara* - A. Stocker
Relationships of inversion polymorphism to population range in *Drosophila serrata* - A. Stocker
Studies of antitumour activity and DNA binding of novel binuclear platinum amine complexes - W. D. McFadyen
Studies on the DNA specificities of cisplatin adducts inside cells - W. D. McFadyen
The synthesis and characterisation of layered composites of layered double hydroxides and metal sulfides - G. Kakos
Detector designs in discontinuous flow analysis - G.R. Scollary
Role of calcium in wine instability - G. R. Scollary
Risk assessment of fumigants used for insect control - G. R. Scollary
Potentiometric stripping determination of metals in waste waters and seawater - G.R. Scollary
The quantum mechanical inverse scattering problem with applications to e-atom and nuclear scattering - L. J. Allen
Dynamical diffraction, inelastic scattering (including ionisation) in crystals - L. J. Allen
Interaction of plasma/laser impulse sources with solids - V. N. Gurarie

**SCIENCE EDUCATION**

Teachers' and students' confidence with respect to the genetics topics in VCE Biology - D. Y. Gleeson
Factors influencing effective learning in first year biology - K. Jackson
Development of hardware and software to control and monitor laboratory experiments in undergraduate Physics - J. M. Pearce
Teaching and learning science in schools - J. R. Baird
Values and beliefs in schools about the environment and sexuality - M. Seiffert
Teaching of Physics - M. Livett
Industrial chemistry course for science teachers - R. Albert
Teaching and learning via the production of a videotape - R. Albert

**MATHEMATICS AND COMPUTER SCIENCE**

Permutational (n) isomorphisms in groups - D. Robbie
Drawing maps with a microcomputer: the scan and draw method - B. McCrae
Computability theory - P. Herlihy
Maximum likelihood analysis of discrete failure time model - M. P. Ng
Relation between product-limit estimate and joint-risk estimate - M. P. Ng
Non-parametric estimation of survival function from incomplete grouped data - M. P. Ng
INSTITUTE OF EDUCATION

MATHEMATICS AND COMPUTER SCIENCE EDUCATION

Evolution of Mathematics curricula - B. McCrae
A Calculator-aware program for the teaching of number (CAPTN) -
R. Welsh, K. Stacey, D. Rasmussen
Beginning students' understanding of Calculus - J. Ryan
The cognitive and linguistic demands of learning to use algebra -
K. Stacey and M. MacGregor
Mathematical Problem Solving - K. Stacey
Senior School Mathematics - J. Dowsey
Computer enhancement of learning algebra - G. Asp
Development of a robotics interface to control motors and read inputs -
J. M. Pearce

EDUCATION (GENERAL)

A staff development initiative at the University of Melbourne -
J. R. Baird
Alternative models for tertiary institution supervision of teacher education practicum - W. Gill
A sociological study of factors affecting parental choice of secondary school in Victoria - M. Seiffert
Evaluation of Summer Fast Track Programs - D. Robbie

PUBLISHED WORK

Books

SCIENCE EDUCATION


MATHEMATICS AND COMPUTER STUDIES EDUCATION

Chapters of Books

SCIENCE


SCIENCE EDUCATION


MATHEMATICS AND COMPUTER SCIENCE EDUCATION

MACGREGOR, M. - Psycholinguistic barriers to mathematical literacy, in Language issues in learning and teaching mathematics; ed. G. Davis and R.P. Hunting for La Trobe University, Bundoora: 25-32 (1991).

Articles

SCIENCE


COULSON, G., NORBURY, G. and WALTERS, B. - "Forage biomass and kangaroo populations in summer and autumn at Hattah-Kulkyne National Park", in Australian Mammalogy, 13, pp. 219-221 (1990).


SCIENCE EDUCATION


MATHEMATICS AND COMPUTER SCIENCE EDUCATION


Reports

**SCIENCE**

INSTITUTE OF EDUCATION

MATHEMATICS AND COMPUTER SCIENCE EDUCATION


OTHER PUBLICATIONS


THESES PASSED FOR HIGHER DEGREE

Master of Education

GILL, W. - The Australian Science Education Project (ASEP): A Case Study in Curriculum Implementation.
RYAN, J. - Students' Early Understanding in Calculus.

THESES IN PROGRESS

Doctor of Philosophy

COULSON, G. - Behavioural ecology of the grey kangaroos, Macropus giganteus and Macropus fuliginosus.
GILL, W. - Alternative Models for Tertiary Institution Supervision of Teacher Education.
McCRAE, B. - The Evolution of VCE Mathematics.

Master of Science

HERLIHY, P. - Extensions in Computability Theory.

Master of Education (in Higher Education)

JACKSON, K.D. - Factors influencing effective learning in first year Biology.
SUBSTANTIAL GRANTS RECEIVED

SCIENCE

AUSTRALIAN RESEARCH COUNCIL - Electron impact ionisation in solids.
AUSTRALIAN RESEARCH COUNCIL - The quantum mechanical inverse scattering problem.
AUSTRALIAN RESEARCH COUNCIL - Detector designs in discontinuous flow analysis.
BHP/GRA - Potentiometric stripping determination of metals in waste waters and sea water.
BUREAU OF RURAL RESOURCES, DEPARTMENT OF PRIMARY INDUSTRIES AND ENERGY - Stock assessment of Southern Bluefin Tuna.
FAPESP, SAO PAULO, BRAZIL - Chromosomal evolution in the genus Rhynchosciara, with emphasis on the DNA amplifying regions.
GRAPE AND WINE RESEARCH COUNCIL - Role of calcium in wine instability.
NATIONAL HEALTH AND MEDICAL RESEARCH COUNCIL - Antitumour activity and DNA binding of novel binuclear platinum amine complexes.
NATIONAL HEALTH AND MEDICAL RESEARCH COUNCIL - The DNA sequence specificity of cisplatin adducts inside cells.
UNIVERSITY OF MELBOURNE (SPECIAL INITIATIVES GRANT) - Body composition, diet and exercise study.
WHEAT RESEARCH COUNCIL - Risk assessment of fumigants used for insect control.

MATHEMATICS AND COMPUTER SCIENCE EDUCATION

AUSTRALIAN ASSOCIATION OF MATHEMATICS TEACHERS/DEPARTMENT OF EMPLOYMENT, EDUCATION AND TRAINING - A fresh look at mathematical thinking processes.
AUSTRALIAN ASSOCIATION OF MATHEMATICS TEACHERS/DEPARTMENT OF EMPLOYMENT, EDUCATION AND TRAINING - Pattern, order and relationships.
AUSTRALIAN RESEARCH COUNCIL - The cognitive and linguistic demands of learning to use algebra.
UNIVERSITY OF MELBOURNE (SPECIAL INITIATIVES GRANT) - Calculator-aware program for the teaching of number from P-6. The effect of calculators on the mathematics curriculum.
VICTORIAN EDUCATION FOUNDATION - Retraining of Mathematics Teachers.
VICTORIAN EDUCATION FOUNDATION - Assisting School Teachers with Mathematical Statistics.

EDUCATION (GENERAL)

NATIONAL PRIORITY (RESERVE) FUND - Summer Fast Track Programs.
STAFF DEVELOPMENT FUND (CATHIE COMMITTEE) - Improving staff research aspirations and performance.
LIST OF RESEARCH STAFF

Associate Professor:  
G.R. READE

Reader:  
P.G. CLINCH

Principal Lecturers:  
B. HOGAN

Senior Lecturers:  
A.S. CANTRILL  
G.W. CLAGUE  
J.W. DEVERALL  
A.L. DYER  
L. EMERY  
C.A. FALK  
N.J. FLOOD  
G. HAMMOND  
M.A. STEFANOVIC  
R.G. TRESEDER  
K. WACH  
S.M. WRIGHT

Lecturers:  
J. ALEXANDER  
J.B. BARBER  
T.J. BARNARD  
B. BIGNELL  
A. BROWN  
F. COLLINS  
C.R.M. DAY  
J.S. DICKINSON  
K.J. DONELAN

Lecturers (Cont’d):  
F. DUMONT  
L. DUXBURY  
I.B. GODFREY  
W. HAMMERSTINGL  
D.K. HARDWICK  
L.M. HEGARTY  
W.L. HEIMERMAN  
L.A. JOUBERT  
L. LAUSSEN  
C.A. LAWN  
G. MASON  
R. MCMILLAN  
G. NAUGHTON  
J. NEESON  
A.M. O'BRIEN  
R. PANOUSIERIS  
M.P. PILGRIM  
N.T. PRICE  
C.R. ROBERTS  
M. SCHWARZ  
M. SMITH  
S.B. SPURRIER  
M. STRONG  
W. TABACCO  
D. THOMAS  
R.W. UPTON  
I. WEBSTER  
V. WEBSTER  
R. WEISS

Senior Tutor:  
M. STEPHENS

RESEARCH IN PROGRESS

ARTS EDUCATION

Safety in the Arts: An Australian Guide to the Literature - Nott, M. McKenzie, L. and Emery, L.
MUSIC

Music Theory Testing Using Item Response Theory (IRT) Analysis - Brown, A.
Interactive Multimedia Development Program - Brown, A.

PERFORMING ARTS

The Application of Reversal Theory to the Emotional Responses of Participants in Adventure Activities - Dickinson, J.S.
Needs of and Support for Schools in the Implementation of the New VCE Health Education Study - Wright, S.
A History of Australian Avant-garde Film - Cantrill, A.
The Story of Tukiman - Cantrill, A.
Training in Film and Television Production in the Australian Tertiary Sector - Collins, F. and Schwarz, M.
Women Film School Graduates, Career Paths, Choices and Occupational Outcomes - Schwarz, M.
The Impact of Minority Group Membership on the Working Methods and Film Work of Jewish Film Makers, Male and Female - Schwarz, M.
Representation of Jews and Israel in Cinema and the Media - Schwarz, M.

VISUAL ARTS

Video Production "Screen Printing - Adapting for School Art Programs" - Dyer, A.L.
Surrealist Art in Australia - Wach, K.
Freud and Surrealist Aesthetics - Wach, K.

PUBLISHED WORK

Books


Chapters of Books


Articles


CANTRILL, A.S. - Program notes for In This Life's Body, 16mm film, 147 minutes, with C. Cantrill, screened at Festival International de Films Ethnographiques et Sociologiques - Cinema du Reel, Pompidou Centre, Paris: p 64 (April 1991).

CANTRILL, A.S. - Program notes for Projected Light, a 2 hour mixed media performance, with C. Cantrill, for the Art Gallery of NSW series Writers in Recital, pp 3-4, (May 1991).

SCHWARZ, M. - Program notes for The Gulf Between 16mm film, 53 minutes, shown at Jewish Film Festival (Script, Direction, Production by M. Schwarz), Melbourne: 100 pp (October 1991).


WACH, K. - "Neville Mirvane Bunning" in The Corian, the Geelong Grammar School Quarterly, pp 82-84 (August 1991).

Reports

Recordings
CLINCH, P.G. - Collaboration a 45 minute cassette of works for Clarinet and Saxophone and Piano by Schumann, Templeton, Ravel, Eccles, Monti, recorded in collaboration with the celebrated Australian pianist, Nehama Patkin.
CLINCH, P.G. - Heidelberg Symphony Orchestra a 50 minute cassette of orchestral works by Vivaldi, Saint-Saens, Sibelius, Rossini and Humperdinck, with Peter Clinch conducting the Heidelberg Symphony Orchestra.
CLINCH, P.G. - Examination Pieces For Saxophone a 45 minute cassette of solo saxophone music for saxophone and piano by Platti, Saint-Saens, Bozza, recorded in collaboration with the pianist, Nehama Patkin and members of The Peter Clinch Saxophone Quartet.
Other Listings


WRIGHT, S. - (Poster) Sexual and Reproductive Health: The knowledge, attitudes and needs of adolescents.


NAUGHTON, G. - (Invitation Lecture) Austswim's course for Exercise in the Water Course Exercise Physiology in the Water, 10 pp (May 1991)
NAUGHTON, G. - (Invitation Lecture) to B. App. Sci Students at F.I.T. Guidelines for training of children in Sport and Exercise, 3 pp (June 1991)

THESES IN PROGRESS

Doctor of Philosophy

COLLINS, F. - Australian Film Institutions and Feminist Filmmaking
DICKINSON, J.S. - The Effects of the Wilderness on Human Behaviour

Master of Education

HEGARTY, M. - Development of Textile Curricula in Victorian Post Primary Schools.
LIST OF RESEARCH STAFF

Professor:
D.V. BOGER

Professorial Research Fellow:
W.J. RANKIN

Professorial Associate:
H.R.C. Pratt

Reader:
D.G. WOOD

Senior Lecturers:
M.A. CONNOR
D.E. CREASY
N.B. GRAY
M. NILMANI
N.B. PAMMENT
C.W. STEVENS
Y.L. YEOW
R.S. YOST

Lecturer:
D.C. SHALLCROSS

Senior Research Fellows:
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D.F. STEWART
M. WALADAN

Research Fellows:
D.D. ATTAPATU
J. BESIDA
S.K. GUPTA
S. KENTISH
D. LANGBERG
Y.K. LEONG
J.L. LIOW
A. MRRISH
J. PERERA-GREGORY
T.K. PONG

Senior Associates:
W.J. ANDERSON
J.M. FLOYD
C.M. WILLIS
G.M. RITCEY

Associates:
F.A. BULL
G. COVEY
M. HICKEY
T.C. HUGHES
F. JORGENSEN
D. McCARTHY
D.E. MAINWARING
Y.S. MORSI
N. NG
Q.D. NGUYEN

Senior Research Assistant:
R. CORRIS

Research Assistant:
V. CASIANO

RESEARCH IN PROGRESS

BIOCHEMICAL ENGINEERING

Product inhibition effects in yeast fermentation kinetics - N.B. Pamment
Mechanistic modelling of yeast alcohol fermentations - N.B. Pamment
Factors affecting the performance of immobilised whole cell fermenters - N.B. Pamment
Production of anticariogenic phosphopeptides from casein - N.B. Pamment, A. Morrish, R. Gorris, G.W. Stevens, E. Reynolds
Utilisation of bark hydrolysates - N.B. Pamment

DEVELOPMENT TECHNOLOGIES

The influence of particle size, shape and size distribution on wood pyrolysis - M.A. Connor
The charcoal-making potential of wood from different tree species - M.A. Connor
Small scale mining and mineral processing in developing countries - D.F. Stewart
Production of cement and cementitious materials in developing countries - D.F. Stewart
The choice of technology in developing countries - D.F. Stewart

ENVIRONMENTAL ENGINEERING

Nitrogen removal from sewage in lagoon systems - M.A. Connor
Disposal of solid waste in small to medium sized rural communities - M.A. Connor
The impact of shock loads on anaerobic digesters - M.A. Connor
Use of petroleum refinery wastewaters for irrigating tree plantations - M.A. Connor
Factors affecting nitrification rates in biofilms - M.A. Connor
The influence of particle shape factors on efficiencies of separation in air classifiers - M.A. Connor
Feasibility of land disposal of pulpmill effluent - M.A. Connor
Water quality improvement at the Melbourne Zoo seal ponds - M.A. Connor
Optimising of alum sludge disposal - M.A. Connor
Control of routine and emergency venting from industrial processes - M.A. Connor

EXTRACTIVE METALLURGY AND MINERAL PROCESSING

Slopping and splashing due to gas injection - J.L. Liow, N.B. Gray
Modelling of bubble formation by the boundary integral method - J.L. Liow
Finite element simulation of flows in the metallurgical and polymer industries - J.L. Liow, Y.L. Yeow

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Refactory wear due to gas injection - J.L. Liow, D.E. Langberg, N.B. Gray, M. Nilmani
Melt flow patterns - J.L. Liow, D.E. Langberg, M. Nilmani
Separation of fine minerals by coflocculation with hydrophobic magnetite - S.R. Gray, D. Langberg, N.B. Gray
Arsenic removal from antimony oxide fumes - C. Brooks, N.B. Gray and W.J. Rankin
Handling of liquid furnace products - A. Stewart, J. Pitsillos and N.B. Gray
Mathematical modelling of gas injection at high flow rates in top entry lances - C.R. Solnordal, D. Attapattu and N.B. Gray
Development of cooled furnace linings - N.B. Gray
The Utilisation of Powders during Submerged Powder Injection Operations - H. Pham, D.E. Langberg, M. Nilmani
Effect of alumina on recovery of manganese and silicon in ferromanganese smelting - W.J. Rankin, M. Waladan, D. Swinbourne
Shaft reactions in the Olympic Dam Operations Flash Smelter - W.J. Rankin, F.R.A. Jorgensen, D. Collins
Interaction between slag, bullion, matte and speiss in the lead-zinc smelting system - C. Czerney, W.J. Rankin
Effect of sulphur on the structure and thermodynamics of slag - H. Y. Li, W.J. Rankin
Recovery of metal values from slags by carbothermic reduction - S.K. Gupta, W.J. Rankin
Removal of impurities from molten zinc by injection refining - D.E. Langberg, M. Nilmani
Smelting of laterite nickel ore - A. Hendarto, M. Waladan, W.J. Rankin
Foaming of slags - N. Swain, D.E. Langberg, W.J. Rankin
Melting point and viscosity of nickel smelting slags - A. Ducret, A. Gordon, W.J. Rankin
Smelting of copper anode slimes - J. Barbante, W.J. Rankin
Mixing in liquids resulting from reactive gas injection - I.F. Taylor, J.K. Wright, W.J. Rankin
Recovery of base metals from ore, concentrate and slag in laboratory studies simulating submerged combustion smelting - M. Waladan, J.M. Floyd
Recovery of iron and zinc from blast furnace and BOS dusts - W.J. Rankin, M. Waladan, S. Hay
The effect of sulphur on rate of metal reduction - I. Dal and W.J. Rankin
Coke reactivity in ferromanganese processing - M. Waladan, W.J. Rankin, S. Kamalpour
Carbon precipitation in iron/carbon/sulfur system - M. Waladan, W.J. Rankin
Addition of powdered alloying agents to molten metals - D. Langberg, M. Nilmani
Injection of powders into melts - G. Lee, D. Langberg, M. Nilmani
Lances and tuyeres for powder injection - D. Langberg, M. Nilmani

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Thermodynamic studies of molten metal systems by the EMF method using fused salt and solid electrolyte cells - X.Y. Yan, D. Langberg, W.J. Rankin
Alloying in aluminium holding furnaces - M. Nilmani
Bubble overlap in multi-tuyere gas injection systems - M. Nilmani
Determination of thermal properties of aluminium alloys - M. Nilmani, W.J. Rankin, C. Fan
Performance characteristics of impellers in molten aluminium in-line treatment - M. Nilmani
Precipitation from homogeneous solution of tantalum and niobium hydroxide - D.E. Creasy
The production of titanium metal and pigment from ilmenite - D.G. Wood, T. O'Donnell, T.K. Pong, S. Kentish, J. Besida
The production of zirconium compounds from zircon - D.G. Wood, T. O'Donnell, T.K. Pong, S. Kentish, J. Besida

FUEL AND ENERGY
Brown coal processing with supercritical water - D.E. Creasy, R.S. Yost
Oxidation kinetics of Australian crude oils - D.C. Shallcross
Evaluating foam-forming surfactants under Australian reservoir conditions - D.C. Shallcross, D.V. Boger
Secondary oil recovery by polymer-water flooding - D.V. Boger, D.C. Shallcross
The flow properties of waxy crude oils - D.V. Boger, R.J. Binnington
Victorian brown coal slurry fuels - D.V. Boger, D.E. Mainwaring
Black coal slurry fuels - D.V. Boger, R.P. Mun
Marangoni-Induced Enhanced Oil Recovery - D.C. Shallcross, H.R.C. Pratt

NON-NEWTONIAN FLUID MECHANICS
Elastic effects in non-Newtonian flows of viscoelastic fluids - D.V. Boger, R.J. Binnington
Ideal elastic fluids (Boger fluids) - D.V. Boger, R.J. Binnington
Laser speckle photography for velocity measurement in slow flows - D.V. Boger, R.J. Binnington
Fibre orientation in polymer processing flows - D.V. Boger
The influence of compression in dewatering of suspensions - D.V. Boger, L.R. White
Processing of metal oxide suspension systems - D.V. Boger, Y.K. Leong, T.W. Healy
Energy losses in the pipeline transportation of yield stress materials - D.V. Boger, Q.D. Nguyen
Diffusion of small molecules in viscoelastic fluids - G.W. Stevens, H.R.C. Pratt, D.V. Boger
Polymer dispersion for new generation waterborne paints - D.V. Boger, D.A.R. Jones, B. Leary

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FACULTY OF ENGINEERING

Extensional flow in viscoelastic fluids - Y.L. Yeow, D.V. Boger, R.J. Binnington
Free boundary problems in heat conduction and fluid flow - Y.L. Yeow
Heat transfer in laminar flow of non-Newtonian fluids in pipes - Y.L. Yeow

REACTOR ENGINEERING

Momentum, heat and mass transfer with heterogeneous and homogeneous chemical reaction for a fuel flowing over a flat plate coated with catalyst - D.G. Wood

TRANSPORT AND SEPARATION PROCESSES

Interfacial phenomena in solvent extraction - J.M. Perera-Gregory, G.W. Stevens, F. Grieser, T.W. Healy
Production of high purity rare earths and related compounds - J.M. Perera-Gregory, G.W. Stevens
Multi-Component Ion Exchange Equilibria - D.C. Shallcross, G.W. Stevens
Ion Exchange in Petroleum Reservoirs - D.C. Shallcross
Axial dispersion in a Kühni liquid extraction column - G.W. Stevens
Mass transfer from single drops - G.W. Stevens, H.R.C. Pratt
Protein mobilities in multicomponent mixtures - G.W. Stevens, H.R.C. Pratt
Development of liquid membrane processes - G.W. Stevens
Novel techniques for rare earth separation - G.W. Stevens, T. O'Donnell

PUBLISHED WORK

Articles

CHEMICAL ENGINEERING


MANSELL, D.S., STEWART, D.F. and WALKER, B. (eds) - Proceedings of the UNESCO Regional Seminar for South-East Asia and the Pacific on Technology for Community Development in Australia, South-East Asia and the Pacific, Alice Springs: 300 pp (July 1991)

Reports

PERERA-GREGORY, J.M. - "Interfacial phenomena in solvent extraction", Report to IR&D Board, New Materials Tech., for the quarter ending December, 4pp (1990)
WALADAN, M., THAY, P.K. and RANKIN, W.J. - "Laboratory smelting trials on Leinster mine nickel concentrate", Report to KNS (WMC), 16pp, Jan (1991)
AWARDS

D.V. BOGER - 1991 Esso Award for Excellence in Chemical Engineering

PATENTS GRANTED

1. TITLE: Rheologically stabilised liquid membranes,  
INVENTORS: G.W. Stevens, C. Chang, M.E. Mackay  
PATENT NO: P.K. 1206

2. TITLE: Process for the Production of Metallic Titanium  
PATENT NO: P.K. 4721/91

3. TITLE: Process for the Production of Zirconium Compounds  
PATENT NO: P.K. 4600/91

THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

GRAY, S.R. - Separation of fine minerals by co-flocculation with hydrophobic magnetite  
HODGES, S.G. - The reaction between carbon monoxide, steam and coal  
LI, H.Y. - The Effect of Sulphur on the Thermodynamics and Structure of the Fe-S-O-SiO$_2$ at 1200°C
Master of Engineering Science

SWAIN, N.W. - The Effect of Temperature and Reactive Gas Generation on the Foaming of Metallurgical Slags
THAY, P.K. - Slag-Cleaning Reactions in the MNS Flash Smelting Furnace
VAN GEMERT, W. - The Kinetics and Mechanisms of Zno Reduction from Slag by Carbon

Master of Engineering Science (Minor Thesis)

PARSONS, M. - Feasibility of land disposal of pulpmill effluent, East Gippsland

THESES IN PROGRESS

Doctor of Philosophy

ADAMSON, N. - Production of anticariogenic phosphopeptides from casein
ALLEN, E. - The influence of rheological properties on viscous fingering in enhanced oil recovery
BASKARAN, K. - The enhancement of nitrification/denitrification processes in wastewater treatment lagoons
BINNINGTON, R.J. - Laser-speckle photography for point velocity measurement in slow flows
BROOKS, G. - Treatment of fumes from metallurgical processes
CHRISTIE, G.B.Y. - Rheology of coal-water suspensions
CZERNY, C. - Interaction between slag, bullion, matte and speiss in the lead-zinc smelting system
DAL, I. - The effect of sulphur on the rate of metal reduction from slag
DOUGLAS, N.G. - Electrophoresis of proteins (properties of the free solution mobilities)
DUCRET, A. - Melting point and viscosity of nickel smelting slags
GRIFFIN, G. - Catalytic combustion with heat transfer
HASBERG, D.J. - Non-Newtonian fluids in elongational flow
KAMALPOUR, S. - Coke reactivity in ferromanganese processing
MEHABLIA, M.A. - Multi-component ion exchange equilibria
MUN, R.P. - The effect of non-Newtonian fluid parameters on droplet formation
MUNOZ, J. - Capillary viscometry with significant viscous heating
O'CONNOR, A.J. - Multicomponent electrophoretic mobilities of proteins
PITSILLOS, J. - Materials handling of liquid furnace products
SEEILING, C.H. - Extension flow kinematics near bubble and other stationary free surfaces
SOLNORDAL, C. - Mathematical modelling of gas injection at high flow rates in top entry lances
STANLEY, G. - Effect of inoculum size on adaption of saccharomyces cerevisiae to ethanol
TAYLOR, I.F. - Mixing in liquids resulting from reactive gas injection
TEMOS, J. - Droplet mass transfer
TSENG, D. - Ameliorating the effect of shock loadings on anaerobic waste water treatment processes
WEISSER, E.M. - The influence of fluid elasticity on the interfacial stability of radial two phase flow
WRIGHT, J.E. - Diffusion in non-Newtonian Fluids

Master of Engineering Science

avery, S. - Solids injection into melts at high solids loading
BARBANTE, J. - Smelting of Copper Anode Slimes
BARBER, A. - Enzymic hydrolysis of casein
BARTLETT, D.W. - Waste disposal in small to medium sized rural communities
CULLINAN, V. - Shaft reactions in the Olympic Dam Operations flash furnace
DE KRETSE, R.G. - The rheology and dewatering of slurried coal mine tailings
FAN, Q. - Development of a mathematical model of scrap melting in molten aluminium
GROSS, P. - Management of sewage treatment lagoons to promote nitrification
HAY, S. - Recovery of iron and zinc from blast furnace and BOS dusts
HENDARTO, A. - Smelting of lateritic nickel ores
KENTISH, S. - The extraction of titanium dioxide from ilmenite
LYFORD, P. - Marangoni-Induced Enhanced Oil Recovery
McCULLOCH, J.K. - Interfacial phenomena in solvent extraction
PHAM, H. - Utilisation of injected powders
STEWARD, A. - Controlled solidification of flowing melts
SUTALO, I. - Modelling of feed preheat in a Flash Furnace
TORTOPIDIS, S. - Evaluating Foam-Forming Surfactants under Australian Reservoir Conditions
TSAUR, Y. - Ion Exchange in Petroleum Reservoirs
YAN, X.Y. - Thermodynamic studies of molten metal systems by the EMF method using fused salt and solid electrolyte cells
ZIRNSAK, M. - Rheology of fibre elastic fluid systems

Master of Engineering Science (Minor Theses)

BLACK, C. - The environmental effects of ash disposal by landfill methods
CRISP, B. - Air stripping of ammonia from aqueous solutions
SPINK, D.W. - Control of venting from industrial processes
VALLESI, M. - An investigation of the Shell Geelong Refinery slops system
Master of Applied Science (Minor Theses)

JEFFS, T. - Optimising of Alum Sludge Disposal
LEVERTON, S. - Use of petroleum refinery wastewaters for irrigating tree plantations

SUBSTANTIAL GRANTS RECEIVED

AIDAB - Improved gold recovery for small-scale miners in Papua New Guinea and the Philippines
AIDAB - The charcoal making potential of wood from different tree species
AUSTRALIAN MINERAL INDUSTRIES RESEARCH ASSOCIATION (AMIRA) - Pyrometallurgical process development and improvement (P234) and Pyrometallurgy (P234A)
AUSTRALIAN POSTGRADUATE RESEARCH AWARD, INDUSTRY (APRA) - Enhanced Oil Recovery
APRA - Ausmelt Trials
APRA - Recycling of steelwork dusts
AUSTRALIAN RESEARCH COUNCIL (ARC) - Special Research Centre: The Advanced Mineral Products Centre
ARC - Extraction and Purification of Titanium Products
ARC - Major Equipment Grant
ARC - Diffusion in Elastic Liquids
ARC - Application of Non-Newtonian Fluid Mechanics in the Processing Industries
ARC - Biaxial Extension of Viscoelastic Fluids
ARC - Interfacial Phenomena in Solvent Extraction
ARC - Electrophoresis of multicomponent protein mixtures
ARC - Modelling of bubble formation by the boundary integral method Pyrometallurgy
ARC - Development of design criteria for improved systems for top submerged lancing of gases and solids into pyrometallurgical baths
CABLE SANDS HOLDINGS - Minerals processing
COMALCO - Studentship
COOPERATIVE RESEARCH CENTRES PROGRAM - G.K. Williams Centre for Extractive Metallurgy
CSIRO - Research Grant
DRDC - Casein peptide production
GIRD - Production of high purity rare earths
GIRD - Casein peptides
MMBW - Industrial Waste Grants Scheme
MMBW - Nitrification processes in wastewater lagoons
NATIONAL POSTDOCTORAL FELLOWSHIP - Processing of Stabilised Zirconia
NERDDC - Evaluating Foam-Forming Surfactants under Australian Reservoir Conditions
NERDDC - Reclamation of metal values from slag by carbonaceous reduction
SHELL DEVELOPMENT AUSTRALIA - Polymer Flooding in Enhanced Oil Recovery
UNIVERSITY OF MELBOURNE COMPUTER SERVICES - Finite Element simulation of flows in the metallurgical and polymer industries
VDIA - Caries inhibition
WMC - Studentships (2)
DEPARTMENT OF CIVIL AND AGRICULTURAL ENGINEERING

LIST OF RESEARCH STAFF

Professor of Civil Engineering:
G.L. HUTCHINSON

Professor of Agricultural Engineering and Director of Centre for Environmental Applied Hydrology:
T.A. McMAHON

Associate Professor:
D.S. MANSELL

Reader:
P.J. MOORE

Senior Lecturers:
W.E. BAMFORD
H.R. GRAZE
N. HARITOS
P.J. HOADLEY
R.H. MACMILLAN
I.C. O'NEILL
J.R. STYLES
J.L. van der MOLEN

Lecturers:
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H.M. GOLDSWORTHY
P. MENDIS
G.A. MOORE
B.G. PATIL
R.G. THOMPSON

Dyason Research Fellow:
A.G. MARJORAM

Research Fellows:
R.P. BURROW
M.J. DOWN
F.H.S. CHIEW
K.C. GAN
C.J. GIPPEL
N.D. GORDON
R.B. GRAYSON
R.K. GUPTA
B.L. MAHESHWARI
R.J. NATHAN
A.K. SINGH
W.J. YOUNG

Engineer Officers:
H.B. DAY
B.W. FIELD
R.B. FREEMAN
T.J. GALE
K. GUTTRIDGE
J.P. TYNDALE-BISCOE
J.L. WILSON
R.I. YOUNG

Academic Associates:
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F.R. BISHOP
M. CULLINAN
L. GOTTLIEB
H. (Oz) KAYAK
M.G. LAY
A.J. MACKENZIE
J. McCUTCHAN
L. PHAM
H.C. RICHARDS
B.B. SHARP
G.R. THORPE
H. WOLFRAM

CENTRE FOR ENVIRONMENTAL APPLIED HYDROLOGY

Associate Professor and Programme Manager:
B.L. FINLAYSON
The Centre for Environmental Applied Hydrology.
The Centre is a joint undertaking of the Department of Civil and
Agricultural Engineering and the Department of Geography. The Centre
carries out hydrological research and graduate training specialising
in the interface between engineering hydrology, fluvial geomorphology
and aquatic ecology.

The Centre for International Irrigation Training and Research.
The Centre carries out research and training in irrigation and
irrigation management.

The Centre for Transport, Land Use and Environmental Management - The
Transport Research Centre
The Centre was founded in 1990 as a joint venture between the
Department of Civil and Agricultural Engineering, the School of
Environmental Planning and the Department of Economics. The mission
of the Centre is to "raise the level of transport debate".
The objectives of the Centre are to provide facilities for teaching,
research, consultancy and independent advice, drawing upon
interdisciplinary skills in transport engineering, land use planning
and transport economics within the University.

Members of the Department conduct research over a broad range of
topics. The main thrusts of the Department's research effort are in
the areas of water resources, transportation, structural dynamics,
earthquake engineering, dynamic soil-structure interaction, production
agriculture and project management. The following is a list of
research topics currently under study in the Department.

Acquisition of skills in less developed countries - D.S. Mansell
(A.G. Marjoram)
Application of computer aided engineering design - N. Haritos
Aseismic response of low-rise structures - G.L. Hutchinson
Assessment of in-service condition of bridges using dynamic testing techniques - N. Haritos (G.L. Hutchinson, C.F. Duffield)
Assessment of seismic risk in the South Pacific - D.S. Mansell (G.L. Hutchinson)
Barriers to technological change in less developed countries - D.S. Mansell (D.F. Stewart, A.G. Marjoram)
Behaviour of connections in metal structures - D.S. Mansell (L. Pham)
Behavioural reactions to the Swanston Street closure - A.J. Richardson (E.S. Ampt)
Building materials and forms for low-income and self-help housing - D.S. Mansell
Building regulations in less developed countries - D.S. Mansell
"Community-friendly" transport planning models - A.J. Richardson
Compaction of agricultural soils - J.R. Styles (R.H. Macmillan)
Concrete-plastic laminates - J.L. van der Molen
Cracking in compacted clay cores of earth dams - P.J. Hoadley
Cyclic behaviour of reinforced concrete joints - P. Mendis
Cyclic lateral loading of piles in sand - P.J. Hoadley
Cyclic tension loading of piles driven into dense sand - P.J. Hoadley
Depth control of tillage machines - G.A. Moore
Design considerations for fender piles - P.J. Moore
Dielectric properties of latex modified concretes - J.L. van der Molen
Droplet impact in spraying - R.H. Macmillan
Droplet impact in spraying - R.H. Macmillan (A.E. Perry)
Ductility of high-strength concrete columns - P. Mendis
Dynamic response of bridges - G.L. Hutchinson
Dynamic response of liquid storage tanks - G.L. Hutchinson
Dynamic response of machine foundations - J.L. Wilson
Dynamic response of tension-leg platforms - N. Haritos
Earthquake stability of slopes - P.J. Moore
Economic benefits of hydrologic data and monitoring networks - T.A. McMahon
Energy absorption characteristics of elements and connections - P. Mendis
Energy dissipation in inelastically loaded beams - H.M. Goldsworthy
Errors in the triaxial test - P.J. Moore
Examination of rapid compaction control procedures - P.J. Moore
Flood routing methods for river systems - I.C. O'Neill
Flow resistance in rivers - I.C. O'Neill
Force measurement on disc cutters of tunnel boring machines - W.E. Bamford
Forecasting domestic water demand for Melbourne - I.C. O'Neill (T.A. McMahon)
Foundation vibrations - P.J. Moore
Hydraulic and salinity modelling of Wimmera river - I.C. O'Neill (T.A. McMahon)
Hydrology for ecologists - N.D. Gordon
Hydrology of world rivers - T.A. McMahon (B.L. Finlayson)
Hydrology, hydraulics and in-stream ecology - K.C. Gan

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Impact of the greenhouse effect on hydrology - T.A. McMahon
Improved methods for wool severance - B.W. Field (R.P. Burrow)
Inelastic properties of high-strength concrete members - P. Mendis
Inelastic response of structures under seismic loading - J.L. Wilson
Information systems for mechanisation and land management - G.A. Moore
Interactive computer packages for geotechnical design - P.J. Hoadley
Load redistribution across parallel box-beam bridges - J.L. van der Molen
Load-bearing earth wall construction - J.R. Styles
Measurement and prediction of the microclimate in livestock buildings - M.J. Down
Measurement of vibration in the field - P.J. Moore (J.R. Styles)
Melbourne Area Personal Travel Survey (MAPTS) - E.S. Ampt (A.J. Richardson)
Membrane structures - N. Haritos
Modelling border check irrigation - T.A. McMahon
Modelling centre city parking - R.G. Thompson
Modelling hydrologic processes - H.M. Malano (T.A. McMahon)
Modelling surge irrigation - H.M. Malano
Moisture movement in stored grain - G.A. Moore (G.R. Thorpe)
Non-linear modelling of structures - N. Haritos
Numerical modelling of the stability of jointed rock masses - W.E. Bamford
Pedestrian travel within the Melbourne Central city area - E.S. Ampt (A.J. Richardson)
Perceptions of inner and outer suburban living styles - A.J. Richardson
Performance of light gauge steel framing subjected to earthquake loading - C.F. Duffield
Physics of high density woolpressing - T.J. Gale (G.A. Moore)
Plastic theory in concrete design - J.L. van der Molen
Practicality of novation form contracts - C.F. Duffield
Predicting the cuttability, drillability and/or rippability of rocks - W.E. Bamford
Prediction of pile settlement in sand using cone penetration test results - J.R. Styles
Properties of synthetic structural cables - G.L. Hutchinson
Regional low-flow hydrology - R.J. Nathan (T.A. McMahon)
Regionalisation of RORB parameters - I.C. O'Neill (T.A. McMahon)
Regulations and design of low cost buildings - D.S. Mansell
Reservoir capacity - yield analysis - T.A. McMahon
River Murray regulation and alternative management strategies - T.A. McMahon
Sediment transport (coasts, estuaries and rivers) - I.C. O'Neill (H.R. Graze)
Seepage from irrigation channels - T.A. McMahon (Dr. P.J. Moore)
Shatter reduction of export lucerne hay by steaming during baling - G.A. Moore (R.H. Macmillan, B.G. Patil)
Simulating wind effects on structures - N. Haritos
Sociogram analysis of the transport profession - A.J. Richardson
Strategic planning for transport and land use - M. Cullinan (H. Kayak)
Streamflow regulation in river systems - I.C. O'Neill (H.R. Graze)
Strength and deformation properties of Coode Island Silt - P.J. Hoadley
Strength parameters for agricultural soils - J.R. Styles
Struvite in piggery waste-water - T.A. McMahon
Surface-groundwater model of Campaspe basin - T.A. McMahon (I.C. O'Neill)
The analysis of water hammer problems in pipng systems - H.R. Graze
The assessment of soil erodability from its geotechnical properties - P.J. Hoadley (J.R. Styles)
The assessment of soil erodability from its geotechnical properties - P.J. Hoadley (P.J. Moore)
The design of air chambers for mitigation of pressure surges in pipelines - H.R. Graze
The modelling of pollutant dispersion in the rivers - I.C. O'Neill (H.R. Graze)
Torsion and warping analysis of tall buildings - P. Mendis
Torsional coupling in structures under seismic loading - G.L. Hutchinson
Transport demand management - R.G. Thompson
Transport information systems - R.G. Thompson
Understanding processes and developing models of erosion - T.A. McMahon
Use of geotextiles in low road embankments placed on soft soil - P.J. Moore (J.R. Styles)
Use of wastewater effluent for irrigation - T.A. McMahon
Vibration reduction using passive control - J.L. Wilson
Wind and earthquake loads on multi-storey frames - P. Mendis
Wind/wave effects on offshore structures - N. Haritos
Wool harvesting engineering information service - R.B. Freeman
Wool harvesting engineering resource centre - R.B. Freeman

PUBLISHED WORK

Books


Articles


Reports


THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

CHIEW, F.H.S. - Groundwater recharge estimation using a surface watershed modelling technique
BERDIE, E.K.M. - Cracking in clay cores of embankments
GOLDSWORTHY, H.M. - Energy dissipation in inelastically loaded beams
JAYASURiya, L.N.N. - Rainfall-runoff modelling in ungauged rural catchments

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Master of Engineering Science

ANYANGU, A. - Maize properties in harvesting
FIELKE, J. - Performance of tined tillage tools
HIDAYAT, D. - Ergonomics of manual work in Indonesia
KONG, S.T. - Evaluation of a soil erosion and deposition model for a pastured catchment
MUBIRU, P. - Low-cost disc ploughs
PUDJIONO, E. - Performance of two-wheel tractors
YANG, H. - Hydrodynamical damping analysis

Master of Agricultural Science

AL-AMOODI, A.S. - Root growth of wheat in relation to timing of irrigation

THESES IN PROGRESS

Doctor of Philosophy

AITKEN, C.K. - Investigating residential water use in Melbourne
ARGENT, R. - Streamflow variability and climate
BARLING, R.D. - Evaluation of a soil erosion and deposition model
CACHUELA, R.C. - Moisture movement in stored grain
COLLINS, D.H. - Development of a plume dispersion model for aluminium smelters
DALGLEISH, P.J. - Collection efficiency in crop spraying
DOWN, M.J. - The measurement and prediction of the microclimate in piggeries
FULLER, R.J. - Optimisation of fan and heater operation to achieve maximum energy use and maximum drying rate in a solar funnel dryer
GURUPARAN, N.I. - The application of finite element analysis to the compression of fibrous materials
HE, Y.Q. - Hydrodynamic interference and interactions of multiple circular cylinders
HONG, C.Y. - Diamond sawing of rocks, and the assessment of sawability
JIANG, W. - Effects of non-linearity on torsional coupling in buildings under seismic loading
JOFRE, J. - Interpretation of forces measured during machine tunnelling
LAM, N.T.K. - Torsional coupling in buildings subject to earthquake loading
MCCLEOD, A.J. - Seepage from earthen channels
MORGAN, P.R. - Development and application of theoretical methods in construction management
O'KEAGHER, A.J. - Behaviour of members and structures in fire
PARKHILL, C.J. - Tractor operation for maximum power and efficiency
SCHLANGER, H.P. - Modelling heat transfer and fluid flow in porous geologic media
TAN, T.H. - Dynamic behaviour of steel connections
TURRAL, H.N. - Evaluation of surge flow performance in bay irrigation
VILLAMOR, N.R. - "Community-friendly" transport planning models
WRIGLEY, R. - Hydrology of the Mt Major catchments
YANG, H. - Hydrodynamical damping analysis

Master of Engineering Science

AOKI, T. - Stability of borehole in deep underground
BOONLU, C. - Water delivery system and monitoring model
CHANG, A.W.H. - Measurement of ground vibrations
CORRENZA, J. - Torsional coupling in buildings subject to earthquake
DAYANGHIRANG, D. - Maize drying
DYER, B.G. - Regionalization of the RORB parameters
FRANKEL, P. - Hydraulic ram
GALE, T.J. - High density wool pressing
GROVER, P. - Behavioural reactions to the Swanston Street closure
HANKS, P. - Steel moment connections
HO, C. - The effects of piling vibration
HODGES, F.J. - Perceptions of inner and outer suburban living styles
HODGSON, L. - The hydrogeology of the Gippsland Basin in relation to the occurrence of dryland salting
HTUT, T. - Hydraulic air compressors
HUANG, Y. - Ductile reinforced concrete joints in seismic regions
JAYAWICKRAMA, H.P. - Determination of operational criteria from reservoirs for conservation and flood mitigation in Latrobe river catchment
KE, N. - Selection of capital equipment for tillage and sowing operations
MA, S.J. - Seed meter performance
MOORE, A. - Attenuation of ground vibrations
MORGAN, M.T. - Water hammer
MUDGWAY, L.B. - Tragowel Plain modelling
NANCARROW, D. - Practicality of Novation form contracts
PEYTON, M.W. - Hydrodynamic damping of bottom-mounted cylinders in waves
QIAN, B.B-X. - Effects of grading on accessions to groundwater
RAVITHARAN, S. - Load capacity of tension piles in sand
SHIKDER, A.M. - Composite materials in low-cost construction
STIRLIM, S. - Reinforced masonry
TISCHLER, C. - Depth control in tillage
TOWNSEND, M. - Effect of structural damping - dynamically responding offshore structures
WERBICKY, T. - Earthquake engineering
WESTERN, A. - Modelling solute transport in the Wimmera River
WILLIAMS, F.J. - Development of computer algorithm for plastic design in concrete
WILLOUGHBY, A. - Earthquake effects on buildings
WONG, K.F. - Dynamic analysis of guide masts
ZHOU, H-Y. - Effect of torsional coupling
ZHU, P.C. - Navigational system for acquisition field data

Master of Applied Science

SHOEBRIDGE, L. - Occurrence and mobility of heavy metals in Victorian rocks and soils

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WHITE, L.A. - The prediction of runoff and ponding times on soil surfaces as affected by slope and surface roughness

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN INTERNATIONAL DEVELOPMENT ASSISTANCE BUREAU (AIDAB) - Locally produced equipment for teaching and research
AUSTRALIAN PIG INDUSTRY RESEARCH CORPORATION (AIPRC) - Design support program for climatic environment in piggery buildings
AUSTRALIAN RESEARCH COUNCIL (ARC) - Monitoring the performance of large structural systems
ARC - Hydrodynamic interaction effects of dynamically responding offshore structures
AUSTRALIAN WOOL CORPORATION (AWC) - Wool Pressing
AUSTRALIAN WATER RESEARCH ADVISORY COUNCIL (AWRAC) - Environmental Applied Hydrology
AWRAC - Gippsland Lakes Sedimentation
AWRAC - Household water use
AWRAC - Hydraulic basis of snags
AWRAC - River Murray study
BUNGE INDUSTRIES - Piggery odours
CSIRO - Fumigant movement through grain
DEPARTMENT OF CONSERVATION AND ENVIRONMENT (DCE) - Western Wetlands
DEPARTMENT OF EMPLOYMENT, EDUCATION AND TRAINING (DEET) - Curriculum development in hydrogeology
GREENHOUSE RESEARCH GRANTS SCHEME - Greenhouse project
GRAINS RESEARCH AND DEVELOPMENT CORPORATION (GRDC) - An investigation of cultivation depth control problems
GRDC - Design of flow through fumigation systems
HYDRO-ELECTRIC COMMISSION OF TASMANIA - Hydroman
LAND AND WATER RESOURCES RESEARCH AND DEVELOPMENT CORPORATION - Effects on water quality of timber harvesting
MELBOURNE AND METROPOLITAN BOARD OF WORKS (MMBW) - Effects on Water Quality of Timber Harvesting
MMBW - Household water use
MMBW - Wattman
NATIONAL IRRIGATION RESEARCH FUND (NIRF) - Bay irrigation
RCGV - Snowy river sedimentation
RURAL INDUSTRIES RESEARCH AND DEVELOPMENT CORPORATION - Shatter Reduction and improved compaction of lucerne hay
RURAL WATER COMMISSION OF VICTORIA (RWCV) - Irrigation design
RWCV - Pressurised irrigation
RWCV - Tragowel Plains
RWCV - Wimmera river study
SMORGON-ARC - Computer-aided plastic design of concrete structures
WOOL RESEARCH AND DEVELOPMENT CORPORATION (WRDC) - Development of mechanical wool severance
WRDC - Finite element modelling of wool
WRDC - The physical behaviour of wool
WRDC - Wool harvesting engineering resource centre

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COMPUTER SCIENCE

LIST OF RESEARCH STAFF

Professors:
  T.M. CAELLI
  R. KOTAGIRI
  P.C. POOLE

Associate Professor:
  P.G. THORNE

Reader:
  I. MORRISON

Senior Lecturers:
  T.Y. CHEN
  R.P. HARRIS
  L.J. KITCHEN
  A.M. MOFFAT
  E.A. SONENBERG

Lecturers:
  A. DAVISON
  G. DONG
  L.J. JOHNSTON
  L. NAISH
  A.B. RUIGHAVER
  J.A. SHEPHERD
  Z. SOMOGYI
  H. SøNDERGAARD
  P.J. STUCKEY

Research Fellow:
  J.A. HARLAND

RESEARCH IN PROGRESS

ARTIFICIAL INTELLIGENCE

Expert systems - E.A. Sonenberg
Intelligent tutoring systems - R. Hagen
Invariant object recognition - T.M. Caelli, L.J. Kitchen
Machine learning - T.M. Caelli
Natural language processing - R. Hagen
Planning systems - E.A. Sonenberg
Real-time task-directed vision - L.J. Kitchen
Scene understanding - T.M. Caelli, L.J. Kitchen

COMPUTER GRAPHICS

Graphics algorithms and parallel architectures - I. Morrison

COMPUTER HARDWARE

Architectures for logic programming - R. Kotagiri, Z. Somogyi
Large-scale parallel processing - A.B. Ruighaver
Optical interconnection networks - A.B. Ruighaver
Parallel and distributed computing - R. Kotagiri, Z. Somogyi
VLSI design tools - R. Kotagiri, Z. Somogyi
Von Neumann computer architecture - R. Kotagiri, Z. Somogyi

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COMPUTER MUSIC

Application of stochastic processes to music composition - R.P. Harris
Applications of spectral analysis and synthesis techniques - R.P. Harris
Computer control of real-time digital synthesizers - R.P. Harris
Computer synthesis of music - R.P. Harris

DATA COMPRESSION

Compression algorithms - A.M. Moffat

DATABASE SYSTEMS

Behaviour modelling in object-oriented databases - G. Dong
Implementation of deductive database systems - R. Kotagiri, Z. Somogyi, J.A. Shepherd
Implementation of object-oriented databases - R. Kotagiri
Optimisation in deductive database systems - R. Kotagiri, Z. Somogyi, J.A. Shepherd, G. Dong, J. Harland

INFORMATION RETRIEVAL

Indexing schemes - R. Kotagiri, J. Shepherd, Z. Somogyi

LOGIC PROGRAMMING

Dataflow analysis and transformation of logic programs - L. Naish, H. Søndergaard
Linear logic - J. Harland
Logic programming environments - L. Naish, Z. Somogyi
NU-Prolog - L. Naish, R. Kotagiri, J.A. Shepherd
Parallel logic programming - L. Naish, Z. Somogyi, R. Kotagiri, A. Davison
Theory of logic programming - T.Y. Chen, L. Naish, E.A. Sonenberg, H. Søndergaard

NETWORKS

Evaluation of OSI file transfer and management standards - I. Morrison
OSI management architecture - I. Morrison

NUMERICAL ANALYSIS

Numerical solution of ordinary differential equations - R.P. Harris
FACULTY OF ENGINEERING

PROGRAMMING LANGUAGES

Fixpoint theory - T.C. Chen
Functional programming - J.A. Shepherd
Mathematical semantics - H. Søndergaard
Parallel programming languages - A.B. Ruighaver

SOFTWARE ENGINEERING

Data flow analysis - P.C. Poole, T.Y. Chen
Human-computer interface - P.C. Poole, L.J. Johnston
Software engineering tools - P.C. Poole, T.Y. Chen, Z. Somogyi
Test data selection - T.Y. Chen

PUBLISHED WORK

Chapters of Books


Articles


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Reports


BARTH, E., CAELLI, T. and ZETZSCHE, C. - Image encoding, labelling and reconstruction from differential geometry. Technical Report 91/12, Department of Computer Science, University of Melbourne, Melbourne, Australia :28pp (May 1991)

BELEGRINOS, P. - A model of actions and processes. Technical Report 91/6, Department of Computer Science, University of Melbourne, Melbourne, Australia :103pp (March 1991)


CRACKNELL, S. E. - The response of the phase vocoder to pairs of input signals with known characteristics. Technical Report 91/16, Department of Computer Science, University of Melbourne, Melbourne, Australia :22 pp (August 1991)

DILLON, C. and CAELLI, T. - Inferring shape from multiple images using focus and correspondence measures. Technical Report 91/28, Department of Computer Science, University of Melbourne, Melbourne, Australia: 14pp (November 1991)

DONG, C. and LI, W. - Object migration in object-oriented databases. Technical Report 91/19, Department of Computer Science, University of Melbourne, Melbourne, Australia: 20pp (October 1991)


FOONG, W. - Top-most scheduling for efficient execution of OR-parallelism in Prolog. Technical Report 90/22, Department of Computer Science, University of Melbourne, Melbourne, Australia: 13pp (October 1990)


GIBERT, J. - Declarative symbolic computations. Technical Report 91/31, Department of Computer Science, University of Melbourne, Melbourne, Australia: 118pp (November 1991)


HARLAND, J. - An intermediate logic for logic programs. Technical Report 90/29, Department of Computer Science, University of Melbourne, Melbourne, Australia: 27pp (December 1990)


HARLAND, J. A. - On hereditary Harrop formulae as a basis for logic programming. Technical Report 91/15, Department of Computer Science, University of Melbourne, Melbourne, Australia: 210pp (July 1991)

HARRIS, E. P. and RAMAMOHANARAO, K. - Optimal dynamic multi-attribute hashing for range queries. Technical Report 91/34, Department of Computer Science, University of Melbourne, Melbourne, Australia: 19pp (November 1991)

HELM, A. R. - Detection and elimination of redundant derivations in logic programming systems. Technical Report 91/3, Department of Computer Science, University of Melbourne, Melbourne, Australia: 145pp (March 1991)
KANCHANASUT, K. and STUCKEY, P. J. - Transforming normal logic programs to constraint logic programs. Technical Report 91/9, Department of Computer Science, University of Melbourne, Melbourne, Australia :22pp (April 1991)

KANCHANASUT, K. - On the semantic kernel of logic programs. Technical Report 91/18, Department of Computer Science, University of Melbourne, Melbourne, Australia:111pp (October 1991)

KAY, G. and CAELLI, T. - Inverting the Phong lighting model from range and intensity maps. Technical Report 91/27, Department of Computer Science, University of Melbourne, Melbourne, Australia :21pp (November 1991)


LAWLEY, M. - On the power of database update languages. Technical Report 91/14, Department of Computer Science, University of Melbourne, Melbourne, Australia :12pp (July 1991)

LEASK, T. S., RAMAMOHANARAO, K. and STUCKEY, P. J. - Exploiting parallelism in bottom-up computation in Aditi. Technical Report 91/5, Department of Computer Science, University of Melbourne, Melbourne, Australia :16pp (March 1991)

LIU, H. C. and RAMAMOHANARAO, K. - Equivalences of nested relational operators. Technical Report 91/33, Department of Computer Science, University of Melbourne, Melbourne, Australia :15pp (November 1991)


NAISH, L. - Adding equations to NU-Prolog. Technical Report 91/2, Department of Computer Science, University of Melbourne, Melbourne, Australia :17pp (February 1991)

RUICHAVER, A. B. - From a very long instruction word architecture to a decoupled multiprocessor architecture. Technical Report 91/36, Department of Computer Science, University of Melbourne, Melbourne, Australia :12pp (November 1991)
RUICHAVER, A. B. - Implementing a decoupled multiprocessor. Technical Report 91/37, Department of Computer Science, University of Melbourne, Melbourne, Australia :12pp (November 1991)
RUICHAVER, A. B. - Virtual full interconnection for multiprocessors using optical interconnection. Technical Report 91/38, Department of Computer Science, University of Melbourne, Melbourne, Australia :15pp (November 1991)
STUCKEY, P. J. - A simplex-based algorithm for incremental linear constraint solving and detection of implicit equalities. Technical Report 91/1, Department of Computer Science, University of Melbourne, Melbourne, Australia :17pp (January 1991)
STUCKEY, P. J. - Constructive negation and constraint logic programming. Technical Report 90/27, Department of Computer Science, University of Melbourne, Melbourne, Australia :35pp (July 1991)
THESES PASSED FOR HIGHER DEGREE

Doctor of Philosophy
HELM, A.R. - Detection and elimination of redundant derivations in logic programming systems
KANCHANASUT, K. - Query answering for normal logic programs
ZOBEL, J. - Analysis of logic programs

Master of Science
PAMMENT, S. - Integrity constraints in deductive databases

THESES IN PROGRESS

Doctor of Philosophy
BONOLLO, U. - Real-time distributed control in artificial intelligence
CHENG, K. E. - Specification and modelling of intelligent network services
CRACKNELL, S. - Applications of signal processing techniques in computer music
DOBBIE, G. - Object-oriented deductive databases
FOONG, W-K - A message-based parallel Prolog system
GIBERT, J. - Declarative symbolic computations
HARRIS, E. - An intelligent graphical user interface
JOHNSTON, M. - Aspects of human visual processing
KEMP, D. B. - Query evaluation in deductive database systems
KINNY, D. - Real-time reasoning
MANSELL, T. - Planning under uncertainty
MORLEY, D. N. - Logic programming environments
MORRIS, E. J. S. - Access control in block-structured languages
PALMER, D. - Strategies for the control of parallel logic programs
PORT, G. S. - Complexity of unification for intelligent backtracking in logic programming
ROSS, M. L. - The application of intrinsic program properties to computer architecture
THOM, J. A. - Query optimisation in deductive database systems
YAN, S. Y. - Declarative debugging in logic programming

Master of Engineering Science
SELVESTREL, M. - Path planning for combat aircraft

Master of Science
BAKER, N. - Abstract transformations of logic programs
BARRY, M. - Development of high speed protocols and services for broadband ISDN terminals
BELEGRINOS, P. - A model of actions and processes
COSSHALL, W. J. - Parallel algorithms in computer graphics
DANCE, G. - Pictorial symbolic query languages
ERSAVAS, M. T. - An efficient system development methodology using object-oriented and evolutionary approaches
HAGEN, R. - Intelligent interactive assessment
LAW, D. K. Y. - Computer graphics
LIU, H-C. - Database and knowledge-base systems
PENNINGTON, A. - Object recognition in computer vision
SHOU, X. - An intelligent system for computer music composition and synthesis
SO, S. W. W. - Testing of object-oriented programs
WEERASOORIYA, D. - An object-oriented concurrent programming language
WILSON, F. A. - Aspects of remote multimedia conferencing

SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL (ARC) - Asymmetric compression techniques for large document databases
ARC - Database system for advanced applications
ARC - Dataflow analysis and transformation of logic programs
ARC - Image interpretation project
ARC - Machine Intelligence Project
ARC - Modelling cognitive processes
DEET - Centre for Intelligent Decision Systems
DITAC - Task-directed image understanding
DMID - Collaborative Information Technology Research Institute
IMU - Evaluation of the use of electronic mail in playing simulation games for political science courses
LIST OF RESEARCH STAFF

Head of Department:  
PROFESSOR R.S. TUCKER

Tutor:  
J. ROTENBERG

Professor:  
K.M. ADAMS

Senior Research Fellows:  
R. FORTENBERRY  
N. ONODERA

Associate Professor:  
J.S. PACKER

Professional Officer:  
P.K.Y. LEE

Reader:  
K.E. FORWARD

Senior Lecturers:  
M. ALDEEN  
D. EVERITT  
D.F. HEWITT  
A.J. LOWERY  
M. PALANISWAMI

Research Assistants:  
B. HA  
M. MARIN  
Z-M. XU

Lecturers:  
R.W. BARNETT  
K. BEN LETAIEF  
I.C. COCHRANE  
F. CRUSCA  
J. HILL  
Y. HUA  
H.F. LIU  
L. PING  
M. SCORDILIS  
C. ZHANG

Visitors:  
D. SONG  
H.A. XIE  
J. XU  
Y. YAO  
Z. ZHAO  
Y. ZHU  
W. WEI

RESEARCH IN PROGRESS

ARTIFICIAL NEURAL NETWORKS (ANN’S)

Stability analysis of neural networks - M. Palaniswami
3-D object recognition system using neural networks - M. Palaniswami,  
T. Caelli (Computer Science)
Image coding using neural networks - M. Palaniswami
Adaptive prediction with recurrent neural networks - M. Palaniswami
FACULTY OF ENGINEERING

Signal compression using ANN's - M. Scordilis
Neural networks for signal processing - M. Palaniswami, Y. Hua, M. Scordilis
ANN in speech recognition - M. Scordilis

BIOMEDICAL ENGINEERING

Pulse rate modulation for improving the efficiency of electrically stimulated muscle - R.W. Barnett, S.G. Carroll (Austin Hospital)
Closed loop control of blood pressure in seriously ill patients - J.S. Packer, J.F. Cade (Royal Melbourne Hospital)
Closed loop control of mechanical ventilators in intensive care - J.S. Packer, J.F. Cade
Signal modelling of heart rate variability - J.S. Packer.
Computer based patient controlled analgesia - J.S. Packer, J.F. Cade
Processing of NMR signals using a dedicated processor - J.S. Packer, A. Bradley (RMIT)

BROADBAND ISDN AND ASYNCHRONOUS TRANSFER MODE (ATM)

Implementation of ATM adaptation layers - K.M. Adams, K.E. Forward
Protocols in the ATM environment - K.M. Adams, K.E. Forward
Video conferencing in the ATM environment - K.M. Adams
Multi-media terminal system design for ATM networks - K.M. Adams
Dynamical control of a small-scale ATM network - K.M. Adams
Signalling and congestion in ATM terminals - K.M. Adams
ATM interfaces to other systems - K.M. Adams, K.E. Forward
ATM terminal monitoring and traffic analysis - L. Ping

COMMUNICATION SYSTEMS & NETWORKS

Combined traffic and transmission measures for cellular mobile communications - D. Everitt
Performance of code division multiple schemes for cellular mobile communications - D. Everitt
Applications of neural networks to communication networks - M. Palaniswami, D. Everitt
Mobility modelling for microcellular mobile systems - D. Everitt
Performance modelling of token-ring local area network protocols - D. Everitt
Broadband integrated services - K.M. Adams, K.E. Forward
Synchronisation in digital communication systems - D.E. Everitt
Analysis of optical fibre communication systems - K. Ben Letaief
Performance of coded communications systems - K. Ben Letaief
Statistical communications, image processing - K. Ben Letaief
Spread spectrum and its applications to multiple-access communications - K. Ben Letaief
Digital mobile telephone communications - L. Ping

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CONTROL APPLICATIONS TO MULTIVARIABLE SYSTEMS

Control of large-scale systems - M. Aldeen, F. Crusca
Digital simulation and control of electrical power systems - F. Crusca, M. Aldeen
Real-time computer control of dynamic systems - M. Aldeen, M. Palaniswami, F. Crusca
Adaptive control - M. Palaniswami, C. Zhang, M. Aldeen
Decentralised and hierarchical control - M. Aldeen, F. Crusca
Robust adaptive control algorithms - M. Palaniswami, C. Zhang
Neural computing for intelligent control - M. Palaniswami
Digital adaptive controllers - C. Zhang
Real time sampled data systems - C. Zhang
Nonlinear feedback systems - C. Zhang
Multivariable control - M. Aldeen, F. Crusca

DIGITAL SIGNAL PROCESSING

Image compression using linear predictive coding - J.S. Packer, M. Rudolph (RMIT)
LPC distance measures for speech recognition - J.S. Packer
Array processing and spectral estimation - Y. Hua
Image processing - Y. Hua, M. Palaniswami, K. E. Forward, K. Ben Letaief, M. Scordilis
Speech coding - Y. Hua, M. Scordilis
Matrix pencil based techniques for spectral estimation - Y. Hua
Speech recognition and synthesis - M. Scordilis
Radar image formation - Y. Hua
Neural networks for signal processing - M. Palaniswami, Y. Hua, M. Scordilis
Medical imaging - Y. Hua
VLSI speech codec - L. Ping

ELECTRICAL ENERGY MANAGEMENT

Efficiency of induction motors - I.C. Cochrane
Design of domestic storage water heater - I.C. Cochrane
Mathematical model of electrical energy supply in Victoria - I.C. Cochrane

FAULT TOLERANT COMPUTING

Mathematical modelling of fault tolerant computer systems - K.E. Forward
Application of fault tolerant computing techniques to the design of reliable telephone exchanges - K.E. Forward
ISO-CSI PROTOCOLS

Investigation of protocol implementation in order to improve efficiency and hence throughput – K.E. Forward
Assessment of performance measurement techniques – K.E. Forward
Various modelling and implementation techniques – K.E. Forward
Validation of protocols – D. E. Everitt

PARALLEL ARCHITECTURE

Investigation of architectures suitable for parallel processing which avoid bottlenecks – K.E. Forward
Application of parallel processing in real-time systems – K.E. Forward, M. Aldeen

PHOTONICS

Modelling and analysis of state-of-the-art photonic and optoelectronic devices – R.S. Tucker, A.J. Lowery
Photonic networks and systems for telecommunications – R.S. Tucker
Photonic fast packet switching – R.S. Tucker
Photonic switching technology – R.S. Tucker
Nonlinear distortion in analogue-modulated semiconductor lasers – R.S. Tucker
Subcarrier multiplexing – D.F. Hewitt, R.S. Tucker
Optimisation of tuned optical receivers – D.F. Hewitt
Modelocking of semiconductor lasers – A.J. Lowery, R.S. Tucker
Computer-aided design packages for photonic circuits and systems – A.J. Lowery, R.S. Tucker
Tunable semiconductor Lasers – A.J. Lowery
Optical Metrology – A.J. Lowery
Laser amplifier optimisation – A.J. Lowery
Soliton propagation in optical fibres – H.F. Liu, R.S. Tucker
Dynamics of erbium-doped fiber amplifiers – H.F. Liu, R.S. Tucker
Short pulse generation from semiconductor lasers – H.F. Liu
Soliton effect pulse compression – H.F. Liu

POWER ELECTRONICS

Nonlinear control strategies in power converters – K.M. Adams
Harmonics in multiple converter installations – I.C. Cochrane

POWER SYSTEM DYNAMICS AND ANALYSIS

Digital simulation and control/algorithms – F. Crusca, M. Aldeen
Stability – F. Crusca, M. Aldeen
Dynamical modelling of power system components - F. Crusca, M. Aldeen
Power and frequency control of interconnected power systems -
M. Aldeen, F. Crusca
Adaptive stabilisers for power systems - M. Palaniswami, F. Crusca,
M. Aldeen

VLSI SYSTEM DESIGN

ASICs for nonlinear control of power electronic systems - K.M. Adams
ASICs for small-scale ATM-based telephony system - K.M. Adams
ASICs for cell processing of multi-media signals in ATM systems -
K.M. Adams
VLSI fast packet switches - K.E. Forward
VLSI image processing filters - K.E. Forward
VLSI systems for robot control - K.E. Forward
ASIC's to replace software implementations of the ISO-OSI - K. Forward
Mixed analog/digital system - L. Ping

PATENTS GRANTED

1. TITLE: Semiconductor Lasers
   INVENTORS: R.S. Tucker
   AUSTRALIAN PATENT NO: Filed August 1991.

2. TITLE: Mode Locked Laser
   INVENTORS: A.J. Lowery, N. Onodera, R.S. Tucker,
   AUSTRALIAN PATENT NO: Filed September 1991.

3. TITLE: Arterial CO₂ Monitor and Closed Loop Controller
   INVENTORS: J.S. Packer, J.F. Cade, E.B. Law
   WORLD WIDE PATENT: Filed September 1991.
BOOK


ARTICLES


BARNETT, R.W. - Pulse rate modulation for controlling FES orthoses. ISPO Annual Scientific Meeting, Melbourne: p 49, (October 11-12, 1991).


COCHRANE, I.C. - Phase angles of harmonic currents from static UPS. AUPCEC '91 - Australasia Universities Power and Control Engineering Conference, 6 pp 79-84 (3-4 October 1991).


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SCORDILIS, M. - A neural network cluster for the control of a speech synthesizer. *Proc of the European Robotics and Intelligent Systems Conference 1991 (EURISCON'91).* 7 pp


Reports


THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

TSE, C.K. - Non-linear analysis and control of DC-DC converters.

Master of Engineering Science

AU, T.B. - An intelligent system for the management of oxygen therapy during artificial ventilation.
LAW, E.B. - An intelligent continuous arterial CO₂ monitor and closed loop ventilator control system.
LEE, C.T.C. - Automated netlist synthesis for gate array implementation of communication protocols.
MacGILL, I.F. - Knowledge based system for management of ventilatory therapy.
PANG, V. - Neural networks for pattern classification problems in control and image processing.
RYAN, P.G. - Real-time speech analysis by cepstral techniques.
SHEK, W.Y. - A performance study of an OSI transport implementation on a local area network.
SHUM, H.L. - Non-linear distortion of laser diodes under microwave intensity modulation.
WONG, K.K.L. - Design of a hardware ATM cell splitter for a B-ISDN terminal.
YEUNG, K.H. - An intelligent file manager.

Master of Applied Science

BAKER, D. - Modelling and simulation of large-scale electrical power systems.
THESS UNDER EXAMINATION

Doctor of Philosophy

FENG, G. - Robustness Issues of Adaptive Control

Master of Engineering Science

FOCK, L.S.A. - Feedforward compensation of directly modulated semiconductor lasers for analogue fibre communications systems.
HA, W.W-L. - Photonic packet switching.
LUO, X. - Investigation of traffic performance in mobile cellular communication systems.
MARIN, M. - Low noise tuned receivers for subcarrier multiplexed lightwave systems.
OXBROW, R. - Filter structures for low level computer vision.
TRINH, M.H. - Model reduction approach to decentralised control of interconnected power systems.
TRIVELLAS, J. - A heterogeneous multiprocessor system.

THESES IN PROGRESS

Doctor of Philosophy

ARMITAGE, G.J. - Investigation of architecture for high speed multi-media ATM terminals.
BYKOLISKI, L.J. - Self-organising neural networks in vehicle guidance control system.
CHENG, C. - Radar Imaging.
CRUSCA, F. - An application of modern control theory to improving the dynamical performance of large-scale, electrical power systems.
DOWLING, D.P. - Hardware implementations using compilers.
GONG, Z. - Decentralised control.
HO, C. - Petri Net based models and their application to the automated hardware implementations of communication protocols.
HU, X.Y. - Importance sampling simulation of optical fibre communications systems.
JUNOR, P.A. - Fast processing of NMR signals.
LAVEERY, W.J. - Traffic characteristics of code division multiple access schemes for cellular mobile communication systems.
LECH, M. - Image coding.
LOUREY, S.J. - Speech coding.
MAN, Z. - Variable structure adaptive control.
McMILLAN, D.W. - Analysis and design of cellular mobile communication systems.
MEI, M. - Congestion control for the integration of voice into packet switched networks.
MORUSUPALLI, R. - Efficient implementation of communication protocols in hardware.
NGUYEN, H.T. - A rule based system for communication systems verification and testing.
SENARATH, G.N. - Combined analysis of transmission and traffic measures for microcellular mobile communication systems.
STRICKLAND, D.P. - Synchronisation of digital communication systems.
TRIVELLAS, J. - Parallel computer systems.
WATSON, M.G. - Processing and modelling of heart rate variability for cardiac diagnosis.

Master of Engineering Science

AHMED, Z. - Harmonic mode-locking of semiconductor lasers.
BAQAI, F.A. - Spectral estimation.
CHAISWANKIT, U. - On sampling process and stability of hybrid adaptive control systems.
CHAN, P.T.H. - Dynamic channel assignment in mobile communication system using neural networks.
DAVIS, G.J. - Output feedback control of interconnected systems.
DICKSON, A.M. - Photonic loop memories.
EVANS, J.B. - Source localisation.
FERNANDEZ, C.H. - Pulse rate modulation for improving the efficiency of electrically stimulated muscle.
FERNANDO, T.L. - Coordinated control of CO$_2$ and O$_2$ blood levels during mechanical ventilation.
FYFE, D. - Real-time computer control of power systems.
GAO, H. - Output feedback control of power systems.
GODINO, R. - High speed square root controller design and implementation.
HAYSON, M.L. - Restricted controller for micro-climates.
HUI, W.H. - Techniques for high speed data transmission.
IN, H. - Design of multirate sampling control systems.
KEATING, A.J. - Tunable semiconductor lasers.
LAM, P.P. - ATM network control and gate array implementation.
LEE, D.A. - Performance analysis of digital lightwave transmission systems.
LIEW, S. - ATM cell splitter design and implementation in programmable gate arrays.
LIM, T.S. - Multibank excited vocoders.
LIPINSKI, R. - Connected-digit recognition using a neural network with time-delayed connections.
MANCHIKANTI, S.P. - Optical metrology using semiconductor lasers.
MUHAMMED, K. - Efficient analysis methods for sequential decoders and trellis coded modulation systems.
MURTONEN, C.N. - Photonic computer-aided design system.
SARRAF, C.M. - Real-time emulation of robot kinematics and dynamics.
SO, S.K.K. - Multichannel subcarrier multiplexed lightwave systems.
SPRING, J. - Photonic packet switching.
VIRGO, P. - High speed arithmetic operations in programmable gate arrays.
WEI, L. (Visitor) - High resolution methods.
WILSON, F. - Protocols and conferencing in multimedia ATM networks and terminals.
ZHAI, L. - Cyclic instabilities in actively mode-locked lasers.
ZHOU, B. - Simulation of an ATM Network.
ZHU, Y. (Visitor) - Spectral estimation.

Master of Applied Science

GORMAN, M.M. - Development and implementation of a mobile EEG recording system.

GRANTS RECEIVED

ARC - Mathematical modelling of fault tolerant computer systems (with T.S. Dillon, La Trobe University)
ARC - Picosecond optical pulse generation techniques using semiconductor lasers.
ARC - Filter structure for edge detection of images.
ARC - Study of matrix pencil based methods for wave direction finding.
ARC SMALL GRANTS Intelligent control using neural network.
ARC small grants - Automatic phoneme to speech conversion based on multilayered artificial neural network architectures.
ARC SMALL GRANTS - Flexible Computer-aided design software for lightwave and photonic systems.
ARC Small grants - Real-time computer control of interconnected multimachine systems.
ATERB - Capacity of microcellular mobile communications systems.
ATERB - Control strategy for a fast packet switch.
ATERB - Fast packet switching.
ATERB - Applications of modern control theory to improving the dynamical performance of large-scale, electrical power systems.
ATERB - Picosecond optical pulse generation.
Characteristics of code division multiple access schemes for cellular mobile communications systems.
ATERB - Optimisation of semiconductor laser amplifiers as optical receivers.
CSIRO - Adaptive control of robotic manipulators (with M. Good, Mechanical & Manufacturing Engineering).
DSTO - Edge detection filters.
DSTO - Application of matrix pencil technique to ISAR.
OTC - Research and Development Board - Hardware implementation of the ISO-OSI transport layer.
PURITAN-BENNETT - Closed loop control of patient ventilation.
TELECOM AUSTRALIA - Investigation of fault tolerant computer systems applications in switching systems.
TELECOM AUSTRALIA - Research and development of an experimental broadband integrated services terminal.
TELECOM AUSTRALIA - Handoff effects in microcellular systems.
TELECOM AUSTRALIA/CTC - Research and development studies in the field of photonics for telecommunications applications.
UNIVERSITY OF MELBOURNE - Special Initiative Grant - Traffic.
LIST OF RESEARCH STAFF

Professors:
A.E. PERRY
M.C. GOOD
W.W.S. CHARTERS

Readers/Associate Professors:
E.J.A. ARMAREGO
E.R. HOFFMANN
W.P. LEWIS
A.E. SAMUEL
H.C. WATSON
J.F. WILLIAMS

Professional Engineer
(Industrial Liaison Officer):
R.W.G. MACDONALD

Senior Lecturers:
D.W. BORLAND
K.C. BROWN
P.J. BUNYAN
T. CHALKO
M.S. CHONG
J.I. CHOJEL
J. KRODKIEWSKI
P. MILNER
G.J. PRATT

Lecturers:
E. COLVILLE
S. MAJ
V.R. MEGLER
A.J.R. SMITH
J.G. WEIR
R.C. WHITFIELD

Research Fellows:
S. HAFEZ
R. IBRAHIM
S. KUMAR
JUN-DE LI
T.T. LIM
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I.A. ROBERTS
S. SADDOUGHI
D.A. TOKELL
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Research Assistants:
N. DESHPANDE
D. HORRIGAN
K. KAPOYANIS
M. KURUPPU
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Honorary Professors:
K.H. HUNT
P.N. JOUBERT
Z.A. PARSZEWSKI

Research Associates:
C. COOGAN
O. DELATYCKI
R. JONES
F.A. LEES
E.E. MILKINS
H.A. STEPHENS

Visiting Research Fellows:
JIANFIN HOU
YUFENG LU
QI WEI JIAO
U. MELEMED
QING FENG YUAN

RESEARCH IN PROGRESS

ALTERNATIVE FUELS APPLICATION

CNG spark ignition engine for mobile and industrial applications -
H.C.Watson, E.E.Milkins

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CNG diesel dual fuel engine - E.E.Milkins, H.C.Watson
Hydrogen engine development - H.C.Watson, E.E.Milkins, S.Kumar
FeTiMn storage of hydrogen - W.W.S.Charters, E.E.Milkins
Combustion characteristics of alternative fuels in diesel engines - H.C.Watson, E.E.Milkins, S.Kumar
Oxygen enriched engine combustion - H.C.Watson

APPLIED THERMODYNAMICS

Energy applications in developing countries - W.W.S.Charters
Engine driven heat pumps - W.W.S.Charters
Heat and mass transfer in solar and thermal systems - W.W.S.Charters
Heat pump system design, modelling and performance estimation - W.W.S.Charters
Heat transfer in boiling helical tubes - J.G.Weir, W.W.S.Charters
Solar drying systems for agricultural and industrial processes - W.W.S.Charters

AUTOMATIC CONTROL AND AUTOMATION

Adaptive control of robotic manipulators - M.C.Good, M.Liu
Fast vision-guided robotics - M.C.Good
High bandwidth robot control - M.C.Good, M.Liu
High speed robotic manipulation - M.C.Good

BIOMECHANICS

Biomechanical studies of laser suturing techniques - J.F.Williams
Lead wire studies for the paediatric auditory implant - J.F.Williams
Vibration analysis for night vision goggles under flight conditions - J.F.Williams

COMPOSITE MATERIALS

Repair of damaged composite structures - J.F.Williams, R.Jones

COMPUTER AIDED DESIGN

Computational geometry in computer-aided design - W.P.Lewis, A.E.Samuel
Knowledge based expert systems in component design - A.E.Samuel
Sculptured surface representation - A.E.Samuel
Simultaneous engineering of plastic products - M.C.Good
The effect of simplifying assumptions on computational effort and accuracy of results in complex, finite element analyses - W.P.Lewis
DYNAMICS

Control of dynamic response of multi-bearing rotor system using active magnetic bearings - Z.A. Parszewski, J.M. Krodkiewski, T.J. Chalko
Dynamics of mechanical systems - Z.A. Parszewski, J.M. Krodkiewski
Hydrosonic methods of pipe cleaning - T.J. Chalko
Journal bearing hydrodynamic forces and stability - Z.A. Parszewski, J.M. Krodkiewski, T.J. Chalko
Machine dynamics in terms of system configuration parameters - Z.A. Parszewski, J.M. Krodkiewski
Modal analysis, synthesis and experimental identification - J.M. Krodkiewski, T.J. Chalko
Real time process control using microprocessors - T.J. Chalko
Robots' optimisation - J.M. Krodkiewski
Vibration isolation Z.A. Parszewski, J.M. Krodkiewski, T.J. Chalko
Vibration problems in electricity generating machinery - Z.A. Parszewski, J.M. Krodkiewski, T.J. Chalko

ENGINEERING DESIGN

AI approach to computer based trouble shooting - A.E. Samuel, I.A. Roberts
Cooperative design project management with manufacturing industry - A.E. Samuel
Educational needs of engineering designers - A.E. Samuel, W.P. Lewis
Engineering design for quality - A.E. Samuel, W.P. Lewis
Matching of human performance to cognitive demands of CAD systems and command structures - A.E. Samuel, Chao Ming, T. Robison, T. Caelli
Motivation and learning models in engineering education - A.E. Samuel, J.G. Weir
Policies for co-operation between industry, tertiary institutions and government - W.P. Lewis
The design of tertiary courses in industrial design - W.P. Lewis

ENGINEERING ROBOTICS

Dynamic model of a planar task robot - A.E. Samuel
Kinematics and control of co-operated motion in manipulation - A.E. Samuel, K.H. Hunt
Models of multi loop kinematic structures - K.H. Hunt, A.E. Samuel
Tracing of surfaces with a robot manipulator - A.E. Samuel

ERGONOMICS

Capabilities and limitations of predetermined motion time systems - E.R. Hoffmann
Studies in movement control with application to predetermined motion time systems - E.R. Hoffmann
Use of population stereotypes for display/control relationships in engineering design - E.R. Hoffmann

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FACULTY OF ENGINEERING

FRAC TURE MECHANICS AND FATIGUE

Crack detection in turbo generator rotors - J.F. Williams, Z.A. Parszewski
Infrared imaging in thermoelasticity - J. Sparrow, J.F. Williams
Multi frequency effects during the cyclic loading of metals and composites - J.F. Williams, R. Ibrahim, D. Reece (ARL)

LASER AIDED MEASUREMENT

Analysis of engine combustion and flame structure by pulse holography - T.J. Chalko, H.C. Watson
Laser holography in dynamic analysis - Z.A. Parszewski, T.J. Chalko.
Shaft torsional vibration analysis using the Laser Doppler Technique - T.J. Chalko

MACHINING

Mechanics of cutting of simulated rotatory cutting operations - E.J.A. Armarego, A.J.R. Smith
Orthogonal and oblique cutting with restricted rake face contact wedge tools - E.J.A. Armarego
Temperature analysis of 'classical' orthogonal and oblique cutting operations - E.J.A. Armarego, A.J.R. Smith

MANUFACTURING STANDARDISATION

Standardisation of tool-life testing for single-point tools - E.J.A. Armarego
The standardisation of the nomenclature and geometrical specification of cutting tools - E.J.A. Armarego

MANUFACTURING TECHNOLOGY AND SYSTEMS

Control and Optimisation strategies for turning on CNC lathes - P. Milner, E.J.A. Armarego
Cooperative scheduling models in manufacturing planning - M.C. Good
Design for production - P. Milner
Factors affecting the performance of twist drills and end mills - E.J.A. Armarego, A.J.R. Smith, N.P. Deshpande
Mechanics of hacksawing operations and blade performance - E.J.A. Armarego
Models for the optimisation of process variables in singlepass machining operations - E.J.A. Armarego, A.J.R. Smith
N.C. machine tool software development - E.J.A. Armarego, A.J.R. Smith, R.C. Whitfield

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Performance of hybrid automation systems - M.C.Good
Software models for forces, power and surface finish predication in machining operations - E.J.A.Armorego, R.C.Whitfield, N.P.Deshpande
Strategies for industrial problem solving - P.Milner
Technological change in engineering manufacturing industries in Australia - P.Milner

MARITIME ENGINEERING

Ship motion simulation - P.Milner
Infra red signature analysis - W.W.S.Charters
Metal hydride hydrogen storage system - W.W.S.Charters
Ship motion analysis - W.P.Lewis
Wave motion analysis - W.P.Lewis

MATERIALS ENGINEERING

Compatibilisation of polyolefin blends - G.J.Pratt, D.W.Borland
Computer modelling of alloy thermodynamics - P.J.Bunyan
Computer modelling of continuous casting processes - P.J.Bunyan
Computer modelling of solidification and microsegregation - P.J.Bunyan
Correlation of molecular structure, morphology and fracture toughness in high density polyethylenes - O.Delatycki
Dielectric spectroscopy as an analytical technique - G.J.Pratt
Directional solidification of resulphurised steel - P.J.Bunyan
Fracture toughness of polycarbonate/polyester blends as a function of molecular structure - G.J.Pratt, O.Delatycki
High energy deformation of titanium alloys - D.W.Borland
Infiltration and segregation of metal matrix composites - P.J.Bunyan
Measurement of dielectric properties of polycarbonates and polyesters over extreme ranges of frequency and temperature - G.J.Pratt
Miscibility and morphology of multi-component polymer systems - G.J.Pratt
Morphology and fracture toughness of LLDPE/PP blends - G.J.Pratt, D.W.Borland
Orthodontic wires - D.W.Borland
Oxygen permeability of polymer laminates - O.Delatycki
Photodegradation and stabilisation of polycarbonate and related polyesters - G.J.Pratt
Refractories in carbon anode furnaces - D.W.Borland
Solidification cracking in concast steels - P.J.Bunyan
Solidification processes in continuously cast steels - P.J.Bunyan
Sonic probing of castings - D.W.Borland, P.J.Bunyan
The influence of temperature and pressure on the thermal oxidation of unstabilised polyethylene - G.J.Pratt, O.Delatycki
Un lubricated wear mechanisms - D.W.Borland, S.Maj
Wear of aluminium-silicon alloys - D.W.Borland
Wear of metal-matrix composites - D.W.Borland, S.Maj
Wear of steels - D.W.Borland, S.Maj

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MECHANICS OF SOLIDS

State variable constitutive modelling for aluminium alloys - J.F. Williams, R. Ibrahim, R. Jones, N. Bridgeford (Aeronautical Research Laboratory), D.C. Stouffer (University of Cincinnati)

QUALITY ASSURANCE

Development of process capability and quality control procedures in manufacturing - E.J.A. Armarego, A.J.R. Smith
Process variability and size control in centreless grinding operations - E.J.A. Armarego

SHIP RESEARCH

Pressure loading on hulls due to slamming - K.C. Brown, P.N. Joubert
Viscous resistance of ships - P.N. Joubert

TRANSPORT ENERGY

The link between status of motor vehicle owner/operator and annual kilometres travelled - J.I. Ghojel, H.C. Watson
Heavy vehicle fuel consumption and economics of operation - J.I. Ghojel, H.C. Watson
Modelling 3-D flame propagation in S.I. engines - S. Kumar, H.C. Watson, T.J. Chalko
Fuel consumption of unleaded petrol vehicles - H.C. Watson
Modelling emissions and fuel consumption of vehicles in traffic - H.C. Watson
Optimising turbocharged engines - H.C. Watson, E.E. Milkins
Quantifying motor vehicle fuel conservation strategies - H.C. Watson, E.E. Milkins

TURBULENT SHEAR FLOWS

A series expansion study of the Navier-Stokes equations - A.E. Perry, M.S. Chong
Extra strain-rates in turbulent boundary layers - P.N. Joubert
Structure of free shear layers - A.E. Perry, M.S. Chong
Structure of wall turbulence - A.E. Perry, M.S. Chong
Studies of turbulent shear flow in the rotating wind tunnel - P.N. Joubert

VOXTER INTERACTIONS AND EDDYING MOTIONS

Interaction of vortex rings - A.E. Perry, M.S. Chong
Study of swirling flows about a sphere - P.N.Joubert
The topology of complex three-dimensional eddying motions - A.E.Perry, M.S.Chong
The topology of dissipating motions - M.S.Chong, A.E.Perry

WIND ENERGY

Analysis, design and development of a novel wind turbine - K.C.Brown

PUBLISHED WORK

Books


Chapters of Books

FACULTY OF ENGINEERING

Articles


Reports

CHARTERS, W.W.S. - Origins and refinement of Graduate Programme in Development Technologies at the University of Melbourne, Australia. Advances in Engineering Technology as applied to Third World Countries. UNESCO sponsored International Conference, Puebla University, Puebla, Mexico: 10pp (1991).

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Other Listings


AWARDS

ARMAREGO, E.J.A. - Appointed Chief External Examiner by the City Polytechnic of Hong Kong for BE(Hons) in Manufacturing Engineering

ARMAREGO, E.J.A. - Elected Honorary Member of the Chinese Society of Metal Cutting for Universities

FACULTY OF ENGINEERING

PATENTS GRANTED

TITLE: Wind Turbine
PATENT NO: PCT/AV 90/00600, priority date - 19.12.89
APPLICANT: The University of Melbourne. The application was published in the PCT Gazette of 27th June 1991.

THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

ALMOG, H. - Natural and long range sources of ozone precursors in the Latrobe Valley.
CHERRY, P. - Miscibility, morphology and physical properties of blends of polycarbonate with a range of thermoplastic polyesters.
EGAN, B.J. - The fracture toughness and morphology of high density polyethylene.
HAIFEZ, S. - The Structure of Accelerated Turbulent Boundary Layers.
SADAFI, H.A. - Engine Compressor performance of an engine driven vapour compression heat pump system.

THESES IN PROGRESS

Doctor of Philosophy

BATE, P. - Study of movement control in physically disabled persons.
BIAN, SING HAI - Wear mechanisms in steel
BONOLLO, E. - The design of tertiary courses in industrial design
BURVILL, C. - Tracing of sculptured surfaces with multi freedom manipulator arm
CORKE, P.I. - Dynamic machine vision for robot and process control
DING, JIE - Identification of multi-supported rotor-bearing system configuration
DIXON, C.W.S. - Heat exchanger optimisation in refrigeration equipment
DUNN, S. - The thermoelastic effect in metals and composites
An investigation of variables affecting tool temperatures and tool life in machining operations

Drive and propeller system dynamics

Fracture toughness of polyolefin blends

Control aspects of solar drying processes

Predictive models and software for forces, power and hole oversize in drilling with general purpose and facet point drills

Microsegregation in metal matrix composites

Performance of "hybrid" automation systems

Crack detection in turbogenerator rotors

The wetting and infiltration of ceramic by liquid metal

Mechanics of cutting and computer simulation of rotary tool cutting processes

Optimisation strategies and CAM software for single and multipass turning operations

Free shear layer turbulence

Controlling S.I. engine combustion through fuel composition

Model for dual fuel combustion

Department of optimisation strategies and CAM software for machining operations

Concurrent movements and decision making tasks

The solidification characteristics of concast HSLA steels

The aerodynamics of vertical axis wind turbines

Theoretical and experiment studies of wall turbulence

Geometry of multi-finger robot hands

A novel wind turbine

Flow in jets and wakes

Simultaneous engineering

Ground source heat pumps

Dielectric response and molecular motions in poly (dian-carbonate)

Dynamic simulation and active control of vibration

Low temperature oxidation of high density polyethylene

Paced and unpaced visually-controlled movements

Identification and control of multi-bearing rotor system.

Dynamic characteristics of hydrodynamic bearings with thermal and elastic deformations

Directional solidification of resulphurised steel

Cooperative scheduling in manufacturing planning

Wall turbulence

The head helmet system dynamics

The effect of simplifying assumptions on computational effort and accuracy of results in complex, finite element analyses

Optimisation strategies and CAM software for milling operations

Heat transfer and boiling in helical tubes

Compliant robotic manipulators

Predictive models for forces, power and surface profiles in multi-point tool operations
Master of Engineering Science

ALLEN, J. - Motion of a fluid in a cylinder with moving pistons
BONADIO, L. - Metal hydride hydrogen storage systems
CHAO, M. - Information content in CAD models
CHEN, Z.M. - A study of quality management, control and improvement in manufacturing
DAS, A. - CNG s.i. engine optimisation
DE ZYLVA, M. - S.i. engine flame propagation modelling
DESAI, R. - Oxygen enriched diesel engine
GARVIE, C.R. - High speed robotic manipulation
GATES, A. - Infra red signatures from naval vessels
LU, HONG - Modelling transient fuel consumption
JAMES, K.R. - Solar drying in the dried fruits industry
KAPOYANIS, K. - Closed loop engine control
KO, LINDA - Analyses and CAD.CAM software development for multi point tools
LIU, CANGSHAN - Integrated design and manufacture of mechanical components
LIU, JIAN - Holography of the combustion process in a spark ignition engine
MCFARLANE, I. - Turbulence in rotating flows
MIN, JIAN - Dynamic optimisation of robot motion
PACKER, M. - Strategic planning of the design and manufacture of helicopter components
ROBERTS, I. - Computer based trouble shooting
STEINWANN, P. - Concurrent design of ships' hulls - Part 1
TAN, PING - Computer aided predictive models for force, torque, power, component dimensional accuracy and tool wear in end-milling and slotting operations
TARR, R. - Concurrent design of ships' hulls - Part 2
TRAN, VIET - Ship Motion simulation
VALLDELLON, R.P. - Rotary separator turbine performance estimation
WANG, HAO - Solidification cracking in concast steels
WANG, JIFING - Computer aided predictive models for force, torque and power in face milling operations
WATTANAVICHEN, K. - Gas engine driven heat pumps
WINN, J. - Topological properties of the solutions of the Navier-Stokes equations
ZHANG, DA-Wei - Gas engine driven air compressors

Master of Applied Science

LAZAROU, K.R. - Performance of refractory materials in carbon baking furnaces
REID, W.D. - Fracture properties and microstructural effects in Ti-6Al-4V
SUBSTANTIAL GRANTS RECEIVED

AERB - Vibration problems in electricity generating machinery - Z.A. Parszewski, T.J. Chalko
ARC - Constitutive modelling of aluminium alloys - J.F. Williams
ARC - Crack propagation in turbo generator rotors - J.F. Williams
ARC - Topology of Flow Patterns - M.S. Chong
ARC - Dynamic optimisation of machine system configuration - Z.A. Parszewski, J.M. Krodkiewski
ARC - Extra Strain Rates in Turbulent Boundary Layers - P.N. Joubert
ARC - High bandwidth robot control - M.C. Good
ARC - Multi-finger robot hand - A.E. Samuel
ARC - Performance characteristics and prediction of multipoint tool operations for advanced manufacturing - A.J.A. Armarego, A.J.R. Smith
ARC - The nature of a flame structure in a spark ignition engine using laser diagnostics - H.C. Watson, T.J. Chalko
ARC - Turbulence in Rotating Flows - P.N. Joubert
ARC - Turbulence Structures, Phase III - A.E. Perry
ARC Mini-Grant - Vortex formation in moving boundary problems - M.S. Chong
BHP - Computational studies of continuous casting - P.J. Bunyan
COMALCO RESEARCH CENTRE - Wetting and infiltration of ceramics by liquid metal - P.J. Bunyan
Commercial Polymers Pty. Ltd. - Low temperature oxidation of high density polyethylene - D.W. Borland
ICI Australia Operations - Fracture toughness of polyolefin blends - D.W. Borland
Melbourne University / CSIRO Collaborative Research Grant - Topology of dissipative motions - M.S. Chong
NEG - Motion Sickness - P. Milner
VEF - Advanced design and manufacture of helicopter components - A.E. Samuel
VEF - Concurrent design of ships' hulls - W.P. Lewis
VEF - Historic Manufacturing Sites - P. Milner
VEF - Metal hydride storage systems - W.W.S. Charters

GRANTS Continued in 1991

BHP - Computational studies of continuous casting
BHP CENTRAL RESEARCH LABORATORIES - Diesel engine oxygen enrichment
COMALCO RESEARCH CENTRE - Wetting and infiltration of ceramics by liquid metal
DITAC - Teaching company scheme on knowledge based trouble shooting
LIST OF RESEARCH STAFF

Professor: 
I.P. WILLIAMSON

Associate Professor: 
S.G. BERVOETS

Senior Lecturers: 
F.J. LEAHY 
M.R. SHORTIS

Lecturers: 
I.C. EZIGBALIKE 
G.J. HUNTER 
C.L. OGLEBY

Research Assistant: 
A.E. SPURRITT

Senior Tutor: 
A.M. JUDD

RESEARCH IN PROGRESS

LAND AND GEOGRAPHIC INFORMATION SYSTEMS

Numerical information and process analysis - G.L. Benwell.
Spatial data modelling for on-line data sharing between geographic
information systems - I.C. Ezigbalike.
Use of nested relational database systems in spatial information
systems - I.C. Ezigbalike.
Accuracy of Spatial Databases - G.J. Hunter.
Application of GIS to Emergency Management - G.J. Hunter and
A.E. Spurritt.
Temporal Aspects of Spatial Databases - G.J. Hunter.
Application of GIS for Telecommunications Planning - G.J. Hunter,
I.P. Williamson and A.E. Spurritt.
Fusion of raster imagery and vector graphics - C.L. Ogleby.
GIS applications in archaeology/anthropology - C.L. Ogleby.
Large scale three dimensional site mapping and LIS applications of CAD
instruments - C.L. Ogleby and M.R. Shortis.
Three dimensional mapping as an adjunct to local government land
information systems - C.L. Ogleby, M.R. Shortis and I.P. Williamson.
Human-Computer Interaction aspects of the use of spatially and
temporally referenced information systems - A.G. Turk.
Tactual maps and graphics for blind and partially sighted users -
A.G. Turk.
Cadastral systems, land administration and land information systems in
developing countries - I.P. Williamson.
Digital cadastral data bases and their relationship to cadastral
survey systems - I.P. Williamson.

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PHOTOGRAMMETRY

Applications of photogrammetry (including that of non-conventional imagery) in cultural monument recording, archaeology and biometry - C.L. Ogleby and M.R. Shortis.
Photogrammetric mapping from large scales from low altitude metric and non-metric photography - C.L. Ogleby and M.R. Shortis.
Digital imagery and retro-target applications to close range photogrammetric metrology - M.R. Shortis.
Metric and non-metric close range photogrammetric analytical solutions for self-calibration - M.R. Shortis.
Monitoring of structural deformations of water storage dams and engineering constructions using multi-station close range photogrammetry - M.R. Shortis.
Wind tunnel model measurement using CCD cameras - M.R. Shortis.
Industrial measurement using soft photogrammetry - M.R. Shortis.

SURVEYING

Utilisation of telemetry systems in surveying - A.M. Judd.
The development of automated survey systems - F.J. Leahy.
Statistical analyses of survey and photogrammetric networks measured at different epochs - M.R. Shortis.
Data acquisition, computations and 2D/3D graphic display for digital terrain models - M.R. Shortis, and C.L. Ogleby.

GEODESY

New mathematical formulations of classical and current standard problems - S.G. Bervoets.
Accuracy of GPS pseudo-range measurements - A.M. Judd.
Procedures for the adjustment of large urban networks in stages - F.J. Leahy.
The determination of orthometric heights from GPS measurements - F.J. Leahy.
The estimation of variance factors of jointly occurring measurements of differing type - F.J. Leahy.
Sequential adjustment and constraints in geodetic and photogrammetric least squares solutions - M.R. Shortis.

VISUALISATION

Computer Based Visual Effects analysis and transmission line design - I.D. Bishop.
FACULTY OF ENGINEERING

Use of remote sensing imagery as texture maps for visual simulation of environmental change and process - I.D. Bishop.
Visual analysis, simulation and decision support - I.D. Bishop.

PUBLISHED WORK

Chapter of Book


Articles


Reports


THESES PASSED FOR HIGHER DEGREES

Master of Surveying Science

SANGAWONGSE-FORDHAM, S. - Salinity mapping with Landsat and GIS.
ABDULLAH, S. - The role of automated surveying processes in public works institutions.

THESES IN PROGRESS

Doctor of Philosophy

BENWELL, G.L. - The optimisation of episodic and concurrent processes in geographical information systems.
HAZELTON, N.W.J. - Integration of 3-D process modelling and GIS to assist water management.
HESSE, W. - The Impact of object-oriented programming systems on LIS/GIS.
HUNTER, G.J. - The propagation of error in spatial processes.
OGLEBY, C.L. - 'Expert system' geographical information systems
TRISIRISATAYAWONG, I - Automated feature extraction from scanned data as input to geographic information systems.
TURK, A.G. - GIS Cogency: Cognitive ergonomics in geographic information systems.

Master of Surveying Science

ARMSTRONG, A.P. - Height Determination with the Global Positioning System.

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CHEN, M. - The design of graphical interfaces to network adjustment software.
CHITANUKUL, T. - The adjustment of large control networks on personal computers.
HENNICKE, G. - Infrastructure Planning Using GIS.
JOYCE, P. - Optimisation of triangulation for digital terrain modelling.
JUDD, A.M. - The Application of GIS to Coastal Resource Management.
RAVAIE, E.H. - GIS for planning and improving urban infrastructure.
SEXTON, S.S. - The Integration of Survey Information with Land Information Systems.

SUBSTANTIAL GRANTS RECEIVED

AERONAUTICAL RESEARCH LABORATORY — Image scanning and analysis for close range photogrammetry.
AMIRA — Investigation of real time pseudo-ranging differential GPS positioning for resource exploration.
AUSTRALIAN ELECTRICITY SUPPLY INDUSTRY RESEARCH BOARD - Computer based visual effects analysis and transmission line design.
ESRI - Software.
GENASYS II - Software.
INTERGRAPH CORPORATION - Hardware, software and maintenance.
MELBOURNE CITY COUNCIL - Definition of management of land information systems for the City of Melbourne.
Mornington Peninsula and District Water Board - Evaluation and reporting of the testing of the prototype software MAGIC.
PUBLIC TRANSPORT CORPORATION - Integrated methods for track re-establishment.
Rowden White Fund - Environmental Visualisation.
STATE ELECTRICITY COMMISSION OF VICTORIA - Environmental visualisation.
TEKTRONIX - Hardware, software and maintenance.
TELECOM AUSTRALIA - Design, development and implementation of the telephone fault management system.
TELECOM AUSTRALIA - Further R & D studies of a GIS Framework covering the Melbourne Knowledge Precinct, including the Networking of GIS users.
THE UNIVERSITY OF MELBOURNE - Database management for geographic information systems.
THE UNIVERSITY OF MELBOURNE - Use of remote sensing imagery as texture maps for visual simulation of environmental change and process.
THE UNIVERSITY OF MELBOURNE - Major equipment grant for an automated theodolite measuring system
TRIAD MINERALS - Close range photogrammetry.
URBAN WATER RESEARCH ASSOCIATION OF AUSTRALIA - The development of processes for the determination of orthometric heights from GPS data.
VICROADS - Visual analysis, simulation and decision support.

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VICTORIAN EDUCATION FOUNDATION - Continuing support for the Centre for Geographic Information Systems and Modelling and the Graduate Diploma programme in Geographic Information Systems.

VICTORIAN EDUCATION FOUNDATION - Development & Delivery of Training in the Management of Spatial Data.
List of Research Staff

Professors:
- P.J. Rose
- L. Mann
- R.R. Officer
- J.A. Rickard
- D.A. Samson

Senior Associates:
- D. Adam
- G. Allen
- G. Beaton
- B. Byrt
- C. Garter
- L. Cupper
- I. Deveson
- I. Dicker
- V. Fitzgerald
- P. McLaughlin
- S. Niemann
- P. Wilton

Professorial Fellow:
- M. Brunt

Associate Professors and Readers:
- P.J. Higgs
- N.J. Hathaway
- P.L. Williams
- I.R. Woods

Senior Lecturers:
- J. Alford
- M. Broadbent
- P. Dainty
- K. Langfield-Smith
- A. Sinclair
- H. Stanton
- P. Weill
- A. Wirth

Associates:
- B. Bainbridge
- M. Beaton
- D. Freadman
- C. McLeod
- I. Taylor
- D. Trende

Lecturers:
- J. Barolsky
- P. Hintz

Research in Progress

Accounting
Integration of MAS with organisational strategy - K. Langfield-Smith
Non-cost performance measures to support new manufacturing priorities - K. Langfield-Smith

Decision Making
Gender differences in decision making - L. Mann
Decision making expertise of chief executive officers - L. Mann
Behaviour process tracing in decision making - L. Mann and C. Ball
ECONOMICS

The economics of corporate groups - P.L. Williams

FINANCE AND FINANCIAL ECONOMICS

Efficient option valuation schemes - N.J. Hathaway
An index for Australian options - N.J. Hathaway
Convertible note valuation - N.J. Hathaway
Debt option pricing - comparative analysis of models - N.J. Hathaway
Value imputation tax credits - R.R. Officer
Capital structure decisions under an imputation tax - R.R. Officer
Privatisation and corporatisation of state owned enterprises - R.R. Officer
Practical and theoretical problems - R.R. Officer
Structured lease versus structured hire-purchase - J.A. Rickard
The impact of annual fees on Bankcard and Mastercard operations - J.A. Rickard
The impact of premature repayment on the cost of borrowing - J.A. Rickard
Interest rate relationships in consumer credit - J.A. Rickard
Tolerance violations in the Victorian Credit Act (1984) - J.A. Rickard
Flexible remuneration planning and F.B.T. - J.A. Rickard
Impact of dividend imputation - J.A. Rickard
Tax structure and the optimal design of superannuation scheme - J.A. Rickard

FINANCE AND INVESTMENT

Practical applications of NPV profiles - I.R. Woods
Traditional vs equity-residual flows in DCF analysis - I.R. Woods

INFORMATION AND TECHNOLOGY MANAGEMENT

Approaches to improving business and information strategy alignment - M. Broadbent
Business process redesign using information technology - M. Broadbent
Evaluation of the management of information systems and services management - M. Broadbent
Information-related education and training needs of business managers - M. Broadbent
Information technology portfolio health assessment - P. Weill
Information technology infrastructure payoff - P. Weill
Information technology intensiveness in Australian manufacturing - P. Weill
Aggregation information systems research - P. Weill

LAW AND ECONOMICS

Expert economic evidence in Australian restrictive practices enforcement - M. Brunt
Penalties and remedies for breach of the restrictive practices law - M. Brunt

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The cost of civil litigation - P.L. Williams

LOGISTICS

Selection of optimal logistic channels - J.A. Rickard

MANAGEMENT EDUCATION

The characteristics of senior executives and business performance - P. Dainty
Motivation of managers in organisations contracting in size - P. Dainty
Critical management issues and problems faced by senior executives - P. Dainty
Developing managers - P. Hintz

MANUFACTURING MANAGEMENT

Total quality management - D. Samson
Manufacturing strategy - D. Samson
Service quality management - D. Samson
Manufacturing system auditing - D. Samson

MARKETING MANAGEMENT

Marketing of services - J.B. Barolsky
Service sector: Service quality and competitiveness (Consulting Engineers) - L. Ramsay
Relationship marketing - J.A. Rickard
Mathematical models of customer retention - J.A. Rickard

OPERATIONS RESEARCH

Quantitative measures of cognitive maps - K. Langfield-Smith and A. Wirth
Using case based reasoning for basis development in intelligent decision systems - J. McGovern, D. Samson and A. Wirth
Evaluation measures for flexible manufacturing systems - R. Parker and A. Wirth
Inventory Management - H. Stanton
Customer service in the provision of spare parts - H. Stanton
Production scheduling in the automobile industry - H. Stanton
Capacity constraints and machining costs - A. Wirth
Multiattribute decision making - A. Wirth

ORGANISATIONAL BEHAVIOUR AND PERSONNEL MANAGEMENT

Changes in public sector employment relations - J.L. Alford
Determinants of employee turnover - P. Hintz
Managing change - P. Hintz
Modelling data - P. Hintz
Managing Diversity in organisational subcultures - A. Sinclair
Barriers to women in management - A. Sinclair
All women managers are not the same - segmenting the female managerial workforce - A. Sinclair
Organisational culture cures for bad business ethics - A. Sinclair
Organisational responses to workplace fatalities - A. Sinclair
Archetypes of leadership - A. Sinclair
Unfreezing resistance to change - A. Sinclair

PUBLIC ADMINISTRATION

The concept of the public production process - J.L. Alford
Performance monitoring in the public sector - J.L. Alford
Public sector leadership - J.L. Alford
Understanding and dealing with stakeholders in the manager's environment - J.L. Alford
Leading the public sector - A. Sinclair
The chameleon of accountability - A. Sinclair
Managing organisational death - the Allambie case - A. Sinclair

STRATEGIC MANAGEMENT

Applying benchmarking principles in service industries - J.B. Barolsky
Role of the managing partner in professional service firms - G.R. Beaton
Strategic significance of mission statements in professional service firms - G.R. Beaton
Conceptualising service quality in solicitors' firms - M.R. Beaton
Proactive environmental management as a source of strategic advantage - A. Sinclair
Mergers among law firms - P.L. Williams

PUBLISHED WORK

Books


Chapters of Books

LANGFIELD-SMITH, K. - Carlton and United Breweries (A) (B) (C), Cases in Australian Strategic Management, Lewis G., Morkel A., Hubbard G. (Editors), Prentice-Hall, Chapters, 4,5,6, 30-99, (1990)
MANN, L., POWER, C. and HARMONI, R. - The Gofer course in decision making, Teaching decision making to adolescents, J. Baron and R. Brown (Editors), L. Erlbaum, N.J., 61-78 (1991)

Articles

BRUNT, M. - "The role of private actions in Australian restrictive practices enforcement", Melbourne University Law Review, 17, 582-613 (1990)


HIGGS, P.J. - "Oil pricing policies: Short-run general equilibrium effects", Resources Policy, 16(4), 285-292 (1990)


RICKARD, J.A. - "Economic analysis and remuneration trends", National Remuneration Centre, April, E4-1-E4-4 (1991)


Reports


BEATON, G.R. - "Mission statements in professional firms: Practical direction and theoretical decoration?", Working Paper No. 9, Graduate School of Management, University of Melbourne, 1-19 (1991)


GRADUATE SCHOOL OF MANAGEMENT


WOODS, I.R. - "Ranking mutually exclusive projects with unequal lives", Working Paper No. 9, Graduate School of Management, University of Melbourne, 1-22 (1991)

THESES PASSED FOR HIGHER DEGREES

Doctor of Philosophy

BROADBENT, M. - The alignment of business and information strategy

HARBER, A.D. - Employee participation in total quality control: The effect on key organisational constructs and the influence of demographic variables

KHOO, A. - The determination and management of foreign exchange risk

LANE, R. - The implications of consumer buyer behaviour for performance in Australian consumer goods industries

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ALFORD, J.L. - Balancing values in Public Service management structures in Australian governments
CAMERON, B. - Effectiveness of Queensland tertiary institutions
COLLINS, B.A. - Duration and other measures for evaluating cash flows
DOW, D.J. - An analysis of the successes and failures of small Australian export manufacturers
FREADMAN, D.M. - Organisational culture: A content analysis approach
MARTINI, C. - Mathematical models of tax evasion and non-compliance
MC BRIDE, P. - Capital structures: Capital differences
MC GOVERN, J. - Knowledge based aids to strategic decision making
THUAN, E. - Communicative competence in Australian business organisations.
FACULTY OF LAW

LIST OF RESEARCH STAFF

Professors:
S.D. CLARK
B.M.L. CROMMELIN
D.J. LANHAM
H. LUNTZ
C.A. SAUNDERS
M.D.H. SMITH

Professorial Fellow:
M. BRUNT

Professorial Associates:
SIR ZELMAN COWEN
P.A. SALLMANN
R.L. SHARWOOD
SIR NINIAN STEPHEN

Readers:
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M.A.K. LAMBIRIS
S. RICKETSON

Senior Lecturers:
M. BRYAN
H.C.M. CHARLESWORTH
G.J. CRAVEN
J.A. DODDS
M.P. ELLINGHAUS
R.C. EVANS
R.S. INGLEBY
R.S. JOHNSTONE
S.V. MacCALLUM
L.W. MAHER
I.R. MALKIN
J. MORGAN
A.M. O'CONNELL
H.D. OPIE
J. PHILLIPS
C.J.G. SAMPFORD
G.F. SMITH
S.A. WALKER
D.A.R. WOOD

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R.C. HUNTER
A. KOVALSKI
R.S. LANCY
T.L.H. McCORMACK
W. MORGAN
G.J. SIMPSON
V.L. TAYLOR
J.C. WAUGH
S. WORTHINGTON
E.J. WRIGHT

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D. BROWN
T.P. COSTELLO
J. GILL
H.J. KING
S. WOODWARD

Research Fellows:
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A. FITZGERALD
G.H. HASSALL
P.E. MATHEW
D. MCKENZIE
S. MCMASTERS
A.L. MULLINS
A. O'DONNELL

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FACULTY OF LAW

RESEARCH IN PROGRESS

ASIAN LAW

Business Laws of Asia - M.D.H. Smith
Research and Western Pacific Stock Exchanges - M.D.H. Smith

CIVIL PROCEDURE AND EVIDENCE

Alternative Dispute Resolution - R.S. Ingleby

COMMERCIAL LAW

Expert economic evidence in Australian restrictive practices enforcement - M. Brunt
Penalties and remedies for breach of the restrictive practices law - M. Brunt
Insurance of Company Directors - R.C. Evans
Court-annexed mediation and the resolution of commercial disputes - R.S. Ingleby
Law of Sale and Consumer Protection - M.A. Lambiris
Restrictive Trade Practices Law - S.A. Walker
Security Law - S.A. Walker (with E.I. Sykes)
Economic duress and unconscionability - S. Worthington
Fiduciary obligations of resource joint ventures - S. Worthington

COMPANY LAW

Public Unit Trusts - S. Worthington

COMPUTER LAW

The Malicious Prosecution Consultant legal expert system - A. Kowalski
Liability issues arising from the use of legal expert systems - A. Kowalski
The future of legal expert systems in the practise of law in Australia - A. Kowalski
Computers in Legal Education - M.A. Lambiris

CONSTITUTIONAL AND ADMINISTRATIVE LAW

Governmental Systems in the Asia-Pacific Region - G.H. Hassall
Judicial independence and alternative dispute resolution - R.S. Ingleby
Review of Decision-making under the Migration Act 1958 - L.W. Maher
Process of Constitutional Review in Australia - C.A. Saunders
Constitutional and legal structure of Intergovernmental arrangements - C.A. Saunders
Boundary between legislative and Executive Power - C.A. Saunders and A.L. Mullins

CONSUMER PROTECTION


CONTRACTS

Australian Contract Law: various topics for 'The Laws of Australia' project, Law Book Co. - M.P. Ellinghaus
Small claims tribunals and consumer contracts - R.S. Ingleby

CRIMINAL LAW

The law of complicity - D.J. Lanham

CROSS-CULTURAL STUDIES IN LAW

Governmental Systems in the Asia-Pacific Region - G.H. Hassall

DISCRIMINATION LAW

Indirect discrimination in the workplace - R.C. Hunter
Conciliation as a means of resolving discrimination disputes - R.C. Hunter
Sexual harassment - R.C. Hunter and J. Morgan

EUROPEAN COMMUNITY LAW

Europe 1992: Past, Present, Future - M. Vranken

FAMILY LAW

Dissolution hearings and the welfare of children - R.S. Ingleby

HUMAN RIGHTS LAW

Human Rights Law in Australia - H.C.M. Charlesworth
The Optional Protocol to the Covenant on Civil and Political Rights - H.C.M. Charlesworth

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Right to refuse medical treatment - D.J. Lanham

INTELLECTUAL PROPERTY

Intellectual property laws in Australia and New Zealand - S. Ricketson

INTERNATIONAL LAW

Feminist analyses of international law - H.C.M. Charlesworth
Joint state action in international law - H.C.M. Charlesworth
Australia's refugees law policy and practice - P.E. Mathew
The role of the United Nations Security Council in the Gulf - P.E. Mathew and W.K. Morgan
Outstanding Obstacles to the Implementation of a Chemical Weapons Convention - T.L.H. McCormack
Australian Attitudes to the International Rules on the Use of Force and the Law of International Institutions - T.L.H. McCormack
Self-determination - A Right in Principle - G.J. Simpson
A Sociology of the International Court of Justice - G.J. Simpson
Australia and the International Law on Jurisdiction - G.J. Simpson
Constitutional and International Law Implications of Scottish Separatism - G.J. Simpson
Continental shelf delimitation - S. Worthington

JURISDICTION OF COURTS

Review of the operation of the national cross-vesting in jurisdiction scheme - S. McMaster (and C. Moloney)

LABOUR LAW

The Right to Refuse Dangerous Work - R.S. Johnstone
Pre-Employment Health Screening - R.S. Johnstone
The Operation of the Industrial Relations Commission of Victoria - C.F. Smith
Unfair Dismissal and the Law in Australia - C.F. Smith
Individual Employment Law - Preparation of the text of this title for the Laws of Australia - C.F. Smith
Current developments in Industrial Regulation in New Zealand: The Employment Contracts Act 1991 - M. Vranken (with K. Hince)
Update of the New Zealand chapter on legislation in the International Encyclopedia for Labour Law and Industrial Relations (ed. by R. Blanpain) - M. Vranken
LAW IN SOCIETY

Family Law and Society textbook - R.S. Ingleby
An assessment of Law Reform Agencies in Victoria - S.D. Clark, G.J. Craven, P.A. Sallmann
Occupational Health and Safety and the Victorian Courts - R.S. Johnstone

LEGAL EDUCATION

Law Teaching - R.S. Johnstone

LEGAL HISTORY

Judges and Politics in Cold War Australia - L.W. Maher
Regulation of Australian Political Broadcasting and the Cold War - L.W. Maher

MEDIA LAW

Damages and Defamation - L.W. Maher
Comparative analysis of Australian defamation laws - S.A. Walker

MEDICAL LAW

Preparation of new subject for LL.M. programme - H. Luntz (with L. Skene)

NATIONAL SECURITY

The law of Sedition in Twentieth Century Australia - L.W. Maher

NATURAL RESOURCES AND ENVIRONMENTAL LAW

Redrafting Murray Darling Basin Agreement - S.D. Clark
Franchise Agreements for Major Australian Joint Venture Developments - S.D. Clark and B.M.L. Crommelin
Legal regime for managing the Upper Limpopo River - S.D. Clark

PLANNING AND ENVIRONMENTAL LAW

Legislative Protection of the Built Heritage in Victoria - L.W. Maher

PUBLIC HEALTH

AIDS and legal protection - R.C. Hunter
The regulation of deceptive marketing practices in the food industry - E.J. Wright
The legality of food endorsement programs - E.J. Wright
SPORTS LAW

Effect of legal liability on risk and adventure sports - H.D. Opie
Coaches and the Law - H.D. Opie
Disciplinary tribunals and sports violence - H.D. Opie
Legal aspects of sports physiotherapy - H.D. Opie
Medico-legal aspects of mass participation sports events - H.D. Opie
(with I. Fullagar and T. Oxnevad)

TORTS

Preparation of new edition of Casebook - H. Luntz
Product Liability Reforms - I.R. Malkin
"Wrongful Life" - a Legitimate Claim? - I. R. Malkin

PUBLISHED WORK

Books


Chapters of Books


Articles

INGLEBY, R.S. - "Regulating the termination of marital status: is it worth the effort?" Melbourne University Law Review 17: 671-84 (1990).
MATHEW, P.E. - "Australia at the ICJ", International Law News: 9 (September 1991)

Reports


THESES IN PROGRESS

Master of Laws by Thesis

GILL, J. - The Sub Judice Rules

Doctor of Philosophy

JOHNSTONE, R.S. - The role of the Courts in the Enforcement of Victoria's Occupational Health and Safety Legislation
WRIGHT, E.J. - Australia's changing food industry - a regulatory scheme for the future
SUBSTANTIAL GRANTS RECEIVED

AUSTRALIAN RESEARCH COUNCIL - Franchise Agreements for Major Australian Joint Venture Developments (S.D. Clark and B.M.L. Crommelin)

AUSTRALIAN RESEARCH COUNCIL - Joint State Action in International Law (H.C.M. Charlesworth)

AUSTRALIAN RESEARCH COUNCIL - Human Rights Law in Australia (H.C.M. Charlesworth)

AUSTRALIAN RESEARCH COUNCIL - Franchise agreements for major Australian Joint Venture Developments (S.D. Clark and B.M.L. Crommelin)


AUSTRALIAN RESEARCH COUNCIL - Australia and the Paris Convention for the Protection of Industrial Property (S. Ricketson)

AUSTRALIAN RESEARCH COUNCIL - Enforceability of Specific Purpose Grants (C.A. Saunders)

AUSTRALIAN RESEARCH COUNCIL - Investigation, evaluation and reform of the boundary between legislative and executive power (C.A. Saunders)

DEPARTMENT OF EMPLOYMENT, EDUCATION AND TRAINING - The Development of Instructional Materials for large classes (R.S. Johnstone and others)

FULBRIGHT POSTGRADUATE SCHOLARSHIP - LL.M. in Asian and Comparative Law, University of Washington, Seattle (V.L. Taylor)

GOVERNMENT OF VICTORIA - Intergovernmental Relations (C.A. Saunders)

NATIONAL HEALTH AND MEDICAL RESEARCH COUNCIL PUBLIC HEALTH AND RESEARCH DEVELOPMENT COMMITTEE FELLOWSHIP - Australia's changing food industry - a regulatory scheme for the future (E.J. Wright)

SPECIAL INITIATIVES GRANT - A Theory of Secession (G.J. Simpson)

SPECIAL INITIATIVES GRANT - Interpreters and the Australian Legal System: Law, Practice and Policy (V.L. Taylor and K. Laster)


VICTORIA LAW FOUNDATION - R.S. Johnstone and the ALTA Law Teaching Workshop
Title: Research Report, 1991

Date: 1991

Persistent Link: http://hdl.handle.net/11343/24117

File Description: Research Report, 1991

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