



Central Queensland  
UNIVERSITY

**THESIS.A643 3**

Appleton, K 1993, '*Students' learning in science lessons : responses to discrepant events*', PhD thesis, Central Queensland University; Faculty of Education.

**Abstract / Table of contents:**

**THESIS.E414 1**

Ellis, RN 1993, '*Methodologies in material balance and statistical data adjustment*', M.App.Sci. thesis, Central Queensland University; Dept. of Mathematics and Computing.

**Abstract / Table of contents:**

A material balance model has been developed that allows for the assignment of statistical weightings to the raw data of a two-product separation. The importance of sampling correctness in relation to the automatic sampling of slurry streams has been highlighted; also, the operational details of a hydrocyclone (two-product separator) have been outlined.

**THESIS.B341 1**

Baker, HM 1994, '*Nurses, medications and medication error : an ethnomethodological study*', PhD thesis, Central Queensland University; Faculty of Health Science.

**Abstract / Table of contents:**

Project attempts to view the administration of medication from the perspective of the clinical nurses who carry it out, in the expectation that understanding will be found in the ordinary, every-day, common-sense world of nursing practice in an acute care setting.

**THESIS.B678 2**

Boswood, P 1994, '*The evaluation of near-shore current components on macro-tidal beaches : field analysis and numerical approach*', M.Eng. thesis, Central Queensland University; Dept. of Civil Engineering and Building.

**Abstract / Table of contents:**

Project develops FORTRAN programs for the numerical modelling of tidal currents; also, a statistical program (STATCW) for the evaluation of the intertidal currents and wave conditions from field data will be detailed. Finally, an evaluation of the current components at the sub-tidal and inter-tidal zones for a macro-tidal beach on the Capricorn Coast will be made.

**THESIS.B696 1**

Boyle, RF 1994, '*A study of the management and growth patterns of Mount Morgan Limited, 1929-1950*', M.A. thesis, Central Queensland University; Faculty of Arts.

**Abstract / Table of contents:**

Project makes an in-depth study of the background, personality and behaviour of major characters dominating the period from 1929-1950, and of their influence on the 'Board room politics' behind the decisions affecting Company investment and staffing. It is the intention of the thesis to argue that the complex personality of Adam Alexander Boyd dominated the Company, supported, although opposed as well, by Eric Campbell.

**THESIS.C3773 1**

Carson, DB 1994, '*Formulation and testing of social impacts assessment for tourism development*', M.A. thesis, Central Queensland University; Faculty of Arts.

**Abstract / Table of contents:**

Thesis develops a methodological technique and model which can assist communities in assessing the full range of implications of attracting tourists.

**THESIS.C6726 1**

Cosgrove, B 1994, '*Peter Fitzallan MacDonald : a life apart*', M.A. thesis, Central Queensland University; Faculty of Arts.

**Abstract / Table of contents:**

Presents a biographical study of Peter Fitzallan MacDonald, native-born pioneer pastoralist and businessman of Central Queensland.

**THESIS.D524 1**

Dicinoski, GW 1994, '*Synthesis of anion exchange resins selective for gold and silver cyanide complexes*', PhD thesis, Central Queensland University; Dept. of Chemistry.

**Abstract / Table of contents:**

Deals with the preparation, characterisation and testing of a series of new and improved synthetic anion exchange resins for selective absorption of the precious metals gold and silver, over the base metals, iron, copper, cobalt, zinc, nickel and aluminium, from an industrial leach solution.

**THESIS.G822 1**

Gubbels, ME 1994, '*Optimal reservoir operating policies with explicit consideration of economic and environmental requirements*', M.Eng. thesis, Central Queensland University; Dept. of Civil Engineering and Building.

**Abstract / Table of contents:**

Study describes the development of a stochastic dynamic programming model which is able to identify the operating policies of a reservoir that results in the best economic performance for that reservoir under a range of restrictions on the releases from that reservoir for environmental purposes. The procedure is demonstrated by application to the Fairbairn Dam/Nogoa River system in Central

Queensland.

**THESIS.H5437 1**

Hill, RA 1994, '*Development of a [beta]-adrenoceptor vaccine*', PhD thesis, Central Queensland University; Dept. of Biology.

**Abstract / Table of contents:**

Aim of the project is to demonstrate that antibodies could be used to activate the [Beta]-adrenoceptor ([Beta]-AR). Identifying a candidate vaccine suitable for administration to cattle which would evoke the production of such antibodies in also investigated.

**THESIS.H825 1**

Huang, Z 1994, '*A recursive algorithm for reliability assessment in water distribution networks with applications of parallel programming techniques*', M.Sc. thesis, Central Queensland University; Dept. of Mathematics and Computing.

**Abstract / Table of contents:**

Project models the reliability of an urban water distribution network.

**THESIS.J67 1**

Jordan, BA 1994, '*Duration of load behaviour of an aligned strand wood composite (ASC)*', M.Eng. thesis, Central Queensland University; Dept. of Civil Engineering and Building.

**Abstract / Table of contents:**

Project examines the duration of load (DOL) strength behaviour of an aligned strand wood composite (ASC), and characterises this behaviour into both a scientific format and to a form suitable for use in structural design. Creep and creep-rupture observations were taken over a two year period.

**THESIS.K875 1**

Kusmulyono, AS 1994, '*Entropy principles in the prediction of water quality values at discontinued monitoring stations*', PhD thesis, Central Queensland University; Dept. of Civil Engineering and Building.

**Abstract / Table of contents:**

Study examines issues associated with the design and operation of water quality monitoring networks where one or more monitoring stations have been discontinued. A methodology has been developed for prediction of these water quality values at discontinued stations in Queensland.

**THESIS.M767 2**

Moore, NG 1994, '*Characterisation of [Beta]-adrenoceptor subtypes in rat skeletal muscle [manuscript] : a study of the binding and functional properties of [beta]2 and putative [Beta] 3-adrenoceptors*', PhD thesis, Central Queensland University; Dept. of Chemistry.

**Abstract / Table of contents:**

Project aims to characterise the [Beta]-adrenoceptors of rat skeletal muscle.

**THESIS.R692 1**

Rowan, L 1994, '*Strategies of marginalisation and tactics of subversion a study of some recent Australian women's writing*', PhD thesis, Central Queensland University; Dept. of Communication and Media Studies.

**Abstract / Table of contents:****THESIS.B679 1**

Botsman, KJ 1995, '*An expert system as a clinical aid in the administration and dosage adjustment of some commonly prescribed therapeutic drugs and antibiotics*', M.App.Sci. thesis, Central Queensland University; Dept. of Mathematics and Computing.

**Abstract / Table of contents:**

Project investigates the design requirements of a computer based drug dosing system suitable for use by general physicians.

**THESIS.C425 1**

Chan, E 1995, '*Assessment of a combination of the characters of nitrate reductase deficiency and nitrate tolerant nodulation for the alleviation of nitrate inhibition of nitrogen fixation in P. sativum (L.)*', M.App.Sci. thesis, Central Queensland University; Department of Biology.

**Abstract / Table of contents:**

The characters of nitrate reductase-deficiency and nitrate tolerant nodulation in pea (*Pisum sativum* L.) were combined by crossing the nitrate reductase-deficient mutants A317 and A334 with the supernodulating nod3 mutant. The research assessed the effects of these combinations on the inhibitory effect of NO<sub>3</sub> on nitrogenase activity.

**THESIS.D3523 1**

Danaher, GR 1995, '*Discipline and Punish and the discursive production of Australian historiography*', PhD thesis, Central Queensland University; Dept. of Communication and Media Studies.

**Abstract / Table of contents:**

Thesis aims to show how Michel Foucault's study of changes in French penal practice between 1757 and 1840, *Discipline and Punish: the Birth of Prison* (1977), can be used to challenge various enlightenment humanist values in forming the historiographic construction of the first European settlement in Australia.

**THESIS.F374 1**

Farrands, PJ 1995, '*Object oriented design of an engineering system within a graphical user interface*', M.Eng. thesis, Central Queensland University; Dept. of Civil Engineering and Building.

**Abstract / Table of contents:**

Project undertakes a review of the application of microcomputers in structural testing stations, with an object-oriented approach to the software design of a

structural testing system.

**THESIS.G383 1**

Garrett, A 1995, '*The pollination biology of Papaw (Carica papaya L.) in Central Queensland*', PhD thesis, Central Queensland University; Dept. of Biology.

**Abstract / Table of contents:**

Project aims to evaluate the pollination biology of *C. papaya* in regards to anemophily, entomophily and agamospermy. The variation in seasonal fruit set typical of subtropical climates is also investigated. The research aims to improve crop management strategies.

**THESIS.G732 1**

Gray, AJ 1995, '*The use of action research to address vegetation management on beef properties in Central Queensland*', M.A. thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Project explores the use of action research processes which were developed and implemented to work with two groups of beef producers in relation to vegetation management.

Ch.1. [Introduction] -- Ch.2. Land degradation in rural Australia -- Ch.3. Issues in agricultural extension education -- Ch.4. Project methodology and rationale -- Ch.5. Findings about action research techniques --Ch.6. Findings about producer participants -- Ch.7. Vegetation management findings --Ch.8. Conclusion.

**THESIS.H625 1**

Hoey, AJ 1995, '*Sodium channel modulators : potential for treatment of heart failure*', PhD thesis, Central Queensland University; Dept. of Chemistry.

**Abstract / Table of contents:**

Explores the sodium channel modulating drugs DPI 201-106 and BDF 9148 to investigate in detail their potential for the treatment of heart failure.

**THESIS.K425 2**

Keane, S 1995, '*Evaluation of macro-tidal shoreline change by implementation of crenulate shaped bay theory : a numerical approach*', M.Eng. thesis, Central Queensland University; Dept. of Civil Engineering and Building.

**Abstract / Table of contents:**

Project uses the Crenulate Shaped Bay Method to predict shoreline changes in several Capricorn Coast bays.

**THESIS.K553 1**

King, BJ 1995, '*Molecular techniques for the identification of triploid citrus*', M.App.Sci. thesis, Central Queensland University; Dept. of Biology.

**Abstract / Table of contents:**

Project involves various methods of triploid identification in citrus fruit.

**THESIS.K852 1**

Kumar, M 1995, '*Development of reinforced clay block masonry columns subjected to concentric and eccentric compression*', M.Eng. thesis, Central Queensland University; Dept. of Civil Engineering and Building.

**Abstract / Table of contents:**

Project aims at developing reinforced masonry columns that can withstand compressive loads with eccentricity ranging from zero to infinity.

**THESIS.O531 1**

O'Neill, CJ 1995, '*A study of the growth and fertility of different beef cattle genotypes in a tropical environment with implications for the genetic improvement of productivity*', M.App.Sci. thesis, Central Queensland University; Dept. of Biology.

**Abstract / Table of contents:**

**THESIS.T393 1**

Tayeeb, SM 1995, '*Effect of polymer concentration and roughness of pipes on friction in fluid flows*', M.Eng. thesis, Central Queensland University; Dept. of Mechanical Engineering.

**Abstract / Table of contents:**

Provides an experimental study of the "phenomenon of drag reduction (reduction of friction factor) with effect to the concentration of the fluid, the roughness of straight pipes and the different types of curved pipes".

**THESIS.V357 1**

Vanderstaay, AGB 1995, '*An investigation into the ten percent fines test and other tests used to determine the strength of road making aggregates*', M.Eng. thesis, Central Queensland University; Dept. of Civil Engineering and Building.

**Abstract / Table of contents:**

Research project aims at a better understanding of the mechanics of, and factors influencing the TPFT (Ten Percent Fines Value), and to compare such effects with published data on other aggregate "strength" tests.

**THESIS.V566 1**

Vinochandra, SS 1995, '*Stochastic dynamic programming for salinity management in reservoir testing*', M.Eng. thesis, Central Queensland University; Dept. of Civil Engineering and Building.

**Abstract / Table of contents:**

Project develops a stochastic dynamic programming technique for the optimal operation of a reservoir, to control salinity in the reservoir and thereby also in releases. These procedures are to meet irrigation and municipal demands.

**THESIS.B622 1**

Black, DA 1996, '*Patient-assessed health outcomes in a cycle of continuous quality improvement : a case coronary artery bypass graft surgery*', PhD thesis, Central Queensland University; Faculty of Health Sciences.

**Abstract / Table of contents:**

Thesis argues that patient assessed outcomes and data and records used in health information systems can be used to improve subsequent patient outcomes in a cycle of continuous quality improvement.

**THESIS.B631 1**

Bojic, P 1996, '*Flow of molasses through pipe fittings at low Reynolds number*', M.Eng. thesis, Central Queensland University; Dept. of Mechanical, Engineering.

**Abstract / Table of contents:**

Examines the flow characterisation of molasses in four different pipe fittings at low Reynolds number.

**THESIS.B682 1**

Bouchart, FoJ-C 1996, '*Incorporating risk attitudes in an irrigation reservoir management model*', PhD thesis, Central Queensland University; James Goldston Faculty of Engineering.

**Abstract / Table of contents:**

Thesis develops a technique whereby the attitudes towards risks of decision makers could be incorporated into a stochastic dynamic programming model of a reservoir by identifying the optimal release policy for the reservoir.

**THESIS.B7693 2**

Brown, SM 1996, '*Solute transport within the legume nodule*', PhD thesis, Central Queensland University; Dept. of Biology.

**Abstract / Table of contents:**

The hypothesis that primary C and N (sucrose and ureides) transport solutes may play a role as osmotica in the control of oxygen diffusion into the infected zone of the legume nodule was considered.

Symplastic transport in soybean root nodules --Anatomy of the legume nodule cortex -- Interaction of solute transport and gas diffusion in the soybean nodule -- Water movement in the soybean nodule cortex using H NMR -microimaging and fluorescent tracers with respect to nodule permeability.

**THESIS.B843 1**

Bulger, DW 1996, '*Stochastic global optimisation algorithms*', PhD thesis, Central Queensland University; Dept. of Mathematics and Computing.

**Abstract / Table of contents:**

Examines aspects of stochastic algorithms for the solution of global optimisation problems.

**THESIS.C3776 1**

Cass, P 1996, '*The apostolate of the press : missionary language policy, translation and publication in German New Guinea*', M.A. thesis, Central Queensland University; Faculty of Arts.

**Abstract / Table of contents:**

Examines the history of mission publications with consideration of mission

language and education policy, including the question of transliterating native languages.

Introduction -- 1. Colony and missions -- 2. Tok Pisin and Tok Ples -- 3. The Methodists -- 4. The Missionaires du Sacre Coeur -- 5. The Marists -- 6. The Lutherans --7. The Societas Verbo Divini --Conclusion.

#### **THESIS.D515 1**

Dhanasekar, R 1996, '*Evaluation of sediment transport formulae for estuary conditions : Boyne Estuary - case study*', M.Eng.(Civil Engineering) thesis, Central Queensland University; Dept. of Civil Engineering and Building.

##### **Abstract / Table of contents:**

The problem of sediment transport and sedimentation in estuaries is examined in relation to the Boyne Estuary situated on the Central Queensland Coast. Bottom material characteristics are examined and the most appropriate formulae for prediction of sediment transport are identified.

#### **THESIS.F834 1**

Fullelove, GD 1996, '*An expert system for making fertilizer recommendations*', M.App.Sci. thesis, Central Queensland University; Dept. of Mathematics and Computing.

##### **Abstract / Table of contents:**

Project reports the results of research undertaken to develop an expert system for making fertilizer recommendations based on the results of soil analysis.

#### **THESIS.H522 1**

Hibberd, EMA 1996, '*Studies of Mycoses in farmed estuarine crocodiles (Crocodylus porosus Schneider 1801)*', M.App.Sci. thesis, Central Queensland University; Department of Biology.

##### **Abstract / Table of contents:**

Project aims to investigate the epidemiology of systemic mycotic disease in juvenile farmed estuarine crocodiles and to describe the histopathology of the infection.

#### **THESIS.I794 2**

Irwin, DP 1996, '*Evaluation of water quality monitoring networks using the concept of information entropy*', M.Eng. thesis, Central Queensland University; Dept. of Civil Engineering and Building.

##### **Abstract / Table of contents:**

Demonstrates the procedure and flexibility of using the information theory approach to evaluate the performance of water quality monitoring networks. Specific application of these are used in the evaluation of the Isaac River water quality monitoring network in Central Queensland.

#### **THESIS.I842 1**

Islam, FMA 1996, '*The macro-scale influence of climate on crop production in the Fitzroy Catchment of Central Queensland*', M.App.Sci. thesis, Central

Queensland University; Dept. of Mathematics and Computing.

**Abstract / Table of contents:**

Project studies the relationship between climate and crop yield through multiple regression analysis. Yields of four crops - wheat, barley, sunflower, and cotton - are related to minimum, maximum and average values of rainfall, temperature and humidity at planting time, flowering time and harvesting time for the Fitzroy catchment region of Central Queensland.

**THESIS.J324 1**

Jackson, CM 1996, '*Synthesis and pharmacological activity of*', PhD thesis, Central Queensland University; Dept. of Chemistry.

**Abstract / Table of contents:**

A series of "novel [ $\beta$ ]<sub>3</sub> adrenoceptor antagonist drugs were synthesised and their pharmacological profile in rat ileum investigated with the aim of increasing our understanding of the structural requirements of drug-receptor binding in [ $\beta$ ]<sub>3</sub>-ARs".

**THESIS.J387 1**

Javro, CA 1996, '*Evaluation of the mechanism by which animal growth promotants operating through : methodological development, and a study of clenbuterol*', PhD thesis, Central Queensland University; Dept. of Chemistry.

**Abstract / Table of contents:**

Thesis develops a research methodology with which the affinity and efficacy of beta-adrenoceptor agonists on protein degradation in skeletal muscle could be studied; and attempts to determine whether the beta-adrenoceptor agonist (clenbuterol) mediates its growth promoting effects on skeletal muscle through a reduction in the rate of myofibrillar protein degradation.

**THESIS.J633 1**

John, LM 1996, '*Development of a novel harvester for grass seeds and cereal crops*', M.Eng. thesis, Central Queensland University; Dept. of Mechanical Engineering.

**Abstract / Table of contents:**

Involves study of the grass seed industry in Central Queensland by conducting a market survey to determine the existing mechanisation in the seed industry and the problems faced by farmers. The main aim of the study is the design of an improved, effective grass seed harvester.

**THESIS.K632 1**

Klein, MJ 1996, '*The possibilities and limitations of constructivist practice in pre-service teacher education in mathematics : Foucault, action research and pedagogical desire*', PhD thesis, Central Queensland University; Faculty of Education.

**Abstract / Table of contents:**

**THESIS.L354 1**

Lambert, BA 1996, '*Methods for reducing Pimelea poisoning of cattle*', M.App.Sci. thesis, Central Queensland University; Dept. of Chemistry.

**Abstract / Table of contents:**

1.0 Pimelea poisoning of cattle -- 1.1 Introduction --1.2 Outline of present study -  
- 2.0 Extraction, isolation, characterisation, and derivatisation of toxins from  
Pimelea Trichostachya -- 3.0 Synthesis and characterisation of Pimelea toxin-  
protein conjugates for the production of antibodies in cattle -- 4.0 Assessment of  
bovine anti-toxin antibodies in vitro & field evaluation of an experimental vaccine  
-- 5.0 Structure-activity studies of Mezerein and Simplexin analogues: PKC  
binding & activation -- 6.0 Conclusions & directions for future work.

**THESIS.P321 1**

Pace, S 1996, '*The development of a hypermedia document about cane mud filtration*', M.App.Sci. thesis, Central Queensland University; Dept. of Mathematics and Computing, Sugar Research Institute.

**Abstract / Table of contents:**

Presents results of an investigation into the process of converting existing paper-based publications into computer-based hypermedia documents. The study was conducted in cooperation with the Sugar Research Institute between 1992 and 1995.

**THESIS.P353 2**

Pang, S 1996, '*Digital signal processor based controller for an AC traction drive system*', M.Eng.(Elec) thesis, Central Queensland University; Dept. of Electrical Engineering.

**Abstract / Table of contents:**

Project aims to implement a modern digital control system using Digital Signal Processor technology with an existing 10kW prototype AC traction drive system.

**THESIS.P729 1**

Prayitno, D 1996, '*The effect of holding time on the mechanical properties of Austempered Ductile Iron*', M.Eng. thesis, Central Queensland University; Dept. of Mechanical Engineering.

**Abstract / Table of contents:**

Project describes experiments done to study the effects of some variants in the austempering process on mechanical properties, especially fatigue of ADI. The calculation of the stress intensity factor is also looked into.

**THESIS.P844 1**

Pullan, WJ 1996, '*Global optimisation applied to molecular architecture manuscript*', PhD thesis, Central Queensland University; Dept. of Mathematics and Computing.

**Abstract / Table of contents:**

Examines the problem of "identifying the configurations of molecular structures which correspond to the globally minimum potential energy for that structure".

**THESIS.R334 1**

Rahman, SMM 1996, '*A feedforward neural network and its application to system identification and control*', M.App.Sci.(Comp.) thesis, Central Queensland University; Dept. of Mathematics and Computing.

**Abstract / Table of contents:**

Project examines feedforward neural networks and their weight adaptation algorithms. The application of the feedforward neural network with the developed learning algorithms is then dealt with.

**THESIS.R877 1**

Russo, PJ 1996, '*Job design, workplace interaction and job satisfaction among nursing staff at the Rankin Park Unit, John Hunter Hospital*', M.H.A. & I.S. thesis, Central Queensland University; Faculty of Arts, Health & Science.

**Abstract / Table of contents:****THESIS.S397 1**

Scott, CH 1996, '*The effect of two plant growth regulators on the inhibition of precocious fruiting in pineapple Ananas comosus L.(Merr.)*', M.App.Sci. thesis, Central Queensland University; Dept. of Biology.

**Abstract / Table of contents:**

Project aims to show that precocious fruiting can be avoided if suckers are not advanced enough to flower naturally for summer. It is proposed the growth retardants be used to inhibit sucker growth rate.

**THESIS.S722 1**

Stanhope, JA 1996, '*The development and evaluation of a CAL tool for use in the teaching of introductory accounting*', M.App.Sci. thesis, Central Queensland University; Dept. of Mathematics and Computing.

**Abstract / Table of contents:**

Study designs, develops and evaluates a Computer Assisted Learning (CAL) tool for use in tertiary level introductory accounting courses.

**THESIS.S747 1**

Stevenson, JN 1996, '*Collage : a symbolic activity in early childhood education*', M.Ed. thesis, Central Queensland University; Faculty of Education.

**Abstract / Table of contents:**

Project investigates the use of collage by young children up to the age of 5 years as a "symbolic activity in organised educational settings".

**069.0994 11**

Witcomb, A 1996, '*Floating the museum : a cultural study of the Australian National Maritime Museum*', PhD thesis, Central Queensland University; Dept. of Communication and Media Studies.

**Abstract / Table of contents:**

Aims to bring together museums, popular culture and cultural studies by focusing on the Australian National Maritime Museum in Sydney's Darling Harbour.

Part I. Approaching the site -- Part II. Inside the museum -- Part III. Re-imagining museums.

#### **THESIS.W822 1**

Wu, B 1996, '*Fuzzy modelling and identification with genetic algorithms based learning*', M.App.Sci. thesis, Central Queensland University; Dept. of Mathematics and Computing.

##### **Abstract / Table of contents:**

Project examines a practical approach for complex system modelling using fuzzy logic. This approach is usually called fuzzy modelling.

#### **THESIS.A237 1**

Aceret, PS 1997, '*Culture strategies for redclaw, *Cherax quadricarinatus* (von Martens, 1868) (Decapoda: Parastacidae) and silver perch, *Bidyanus bidyanus* (Mitchell, 1838) (Perciformes: Teraponidae) : natural foods and artificial shelters*', PhD thesis, Central Queensland University; Dept. of Biology, Faculty of Applied Science.

##### **Abstract / Table of contents:**

General introduction -- Materials and methods -- Taxonomy of ligochaetes, redclaw crayfish and silver perch -- Mass propagation of oligochaetes -- Redclaw crayfish feeding experiments -- Silver perch feeding experiments -- Artificial shelters as intensive culture strategies -- Conclusion.

#### **THESIS.A871 1**

Assa, B 1997, '*Performance of reinforced concrete beam-columns subjected to cyclic loading*', M.Eng. thesis, Central Queensland University; Dept. of Civil Engineering & Building.

##### **Abstract / Table of contents:**

Project presents an analytical method for the prediction of inelastic response of RC beam columns under both monotonic and cyclic loading up to large deformation stage. Several computer programs were developed for the prediction of moment-curvature and lateral load-lateral displacement curves from which ductility factors were derived.

#### **THESIS.C486 1**

Chong, SS 1997, '*Adaptive sliding mode control of robotic manipulators by hybridisation*', M.App.Sci. thesis, Central Queensland University; Dept. of Mathematics and Computing.

##### **Abstract / Table of contents:**

Project studies the trajectory control of robotic manipulators. Part one is the comparison studies of trajectory control of a two link robotic manipulator using various control laws. Part two concerns the development of new control laws.

**THESIS.C725 1**

Crane, S 1997, '*Participatory action research : nurses and elderly people*', PhD thesis, Central Queensland University; Faculty of Education.

**Abstract / Table of contents:**

Project "theorises the engagement in an educational participatory action research project from the localised site of a nursing home for elderly people in Victoria".

Part A. Planning the research : 1. Introduction -- 2. Critical discussions of action research, power and nursing -- 3. The initial methodological shaping: action research and nursing ; Part B. Participating in the research : 4. The choice of 'critical' incidents as a way for participants to describe and theorise social acations and change in a nursing home -- 5. Participatory action research and nursing: ways in which critical incidents and other data from this project have informed thinking about this thematic concern and subsequent social actions in the nursing home -- 6. Participatory action research, gender and nursing ; Part C. "Contributions to the knowledge" : 7. Linking new theoretical understandings arising from the project with the theoretical work of others presented in Part A: Contributions to new knowledge.

**THESIS.F545 1**

Flanders, MA 1997, '*An investigation of the existing mathematics component in tertiary business courses in Australia, and how it relates to the current needs of employer and professional groups in Australia*', M.App.Sci. thesis, Central Queensland University; Dept. of Mathematics and Computing.

**Abstract / Table of contents:****THESIS.G5937 1**

Goodier, CC 1997, '*Analysis of neural networks as a means of developing optimal reservoir operating policies*', M.Eng. thesis, Central Queensland University; Dept. of Civil Engineering and Building.

**Abstract / Table of contents:**

Project investigates a neural network approach to reservoir operations.

**THESIS.G873 1**

Guthrie, JA 1997, '*Development of a non-invasive objective test to measure the eating quality of pineapple and mango fruits*', M.App.Sci. thesis, Central Queensland University; Dept. of Biology.

**Abstract / Table of contents:**

Project assesses the potential of near infra-red spectroscopy for non-invasive measurement of eating quality of pineapple and mango. This non-destructive testing of fruit and vegetable quality is important to gain marketing advantage to packing and processing sectors of horticultural industries.

**THESIS.H231 1**

Hafner, JK 1997, '*Earthquake backazimuth determination using a single three-*

*component digital seismography*', M.App.Sci. thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Project investigates a technique for determining the backazimuth of a seismic event using a single digital three-component station. Backazimuth is defined as "the direction pointing from the wave sensor to the earthquake epicenter". Local recordings of the 1988 Tennant Creek aftershock sequence provided the data used.

**THESIS.J635 1**

Johnson, SB 1997, '*Nitrogen fixation by potential ley pasture legumes for Central Queensland*', M.App.Sci. thesis, Central Queensland University; Dept. of Biology.

**Abstract / Table of contents:**

Project assesses the level of nitrogen fixation in Central Queensland cropping cycles in order to assist in the selection of potential ley pasture legumes for use in rotational systems to achieve sustainable cropping yields. Twenty-one winter and summer growing legumes were evaluated for nitrogen fixation in glasshouse trials after two seasons.

**THESIS.K274 1**

Karim, K 1997, '*An improved approach to the development of operating policies for multiple reservoir systems*', PhD thesis, Central Queensland University; Dept. of Civil Engineering and Building.

**Abstract / Table of contents:**

**THESIS.L532 1**

Li, GCY 1997, '*A knowledge-based decision support system for portfolio investment*', M.App.Sci.(Comp.) thesis, Central Queensland University; Dept. of Mathematics and Computing.

**Abstract / Table of contents:**

Project investigates an intelligent decision support system on stock portfolio investment - the Portfolio Investment Decision Support System (PIDSS)

**THESIS.L581 1**

Liu, L 1997, '*New syntheses of Protoberberines : cycloaddition and carbanionic methodology leading to the production of highly enantioselective products*', PhD thesis, Central Queensland University; Dept. of Chemistry.

**Abstract / Table of contents:**

New synthetic methods are explored for the synthesis of protoberberines using carbanionimine (CAI) cycloaddition, aza Diels-Alder (DA) cycloaddition.

**THESIS.L672 1**

Lord, RJ 1997, '*Cutaneous larva migrans in Central Queensland*', M.App.Sci. thesis, Central Queensland University; Dept. of Biology.

**Abstract / Table of contents:**

Project studies 96 people living in the Central Queensland area to investigate the migrating oedema known as the 'Woodbury Bug'. The oedema occurs at irregular intervals over all areas of the body, and the study attempts to establish the way this parasite transmits to humans.

1. General introduction : Cutaneous larva migrans --2. Materials and methods --3. Results : Epidemiology ; Presentation of Urticaria ; Laboratory investigations ; Environmental contacts by patients ; Laboratory assay of brush turkey material ; Treatments -- 4. Discussion -- Conclusion.

#### **THESIS.M399 1**

Madsen, W 1997, '*Nursing, nurses and their work in Rockhampton, 1930-1950*', M.Hth.Sci. thesis, Central Queensland University; Faculty of Health Sciences.

##### **Abstract / Table of contents:**

Investigates nursing at the Rockhampton Hospital between 1930 and 1950, especially the work practices of the trainee nurses.

1. Nursing developments in Queensland 1900-1950 -- 2. "Keeping the lid on infection" -- 3. Treatments, cares and cures -- 4. Nursing, monitoring and medicine -- 5. "Keeping rank": the ward environment -- Conclusion.

#### **THESIS.R3342 1**

Rahman, Z 1997, '*An evaluation of selected Bangladesh Open University open and distance education materials : towards developing principles for open and distance learning in Bangladesh*', M.Ed. thesis, Central Queensland University; Faculty of Education.

##### **Abstract / Table of contents:**

#### **THESIS.R391 1**

Ray, R 1997, '*The patterns, and individual contexts of heart health behavioural change*', M.Hth.Sc. thesis, Central Queensland University; Faculty of Health Science.

##### **Abstract / Table of contents:**

Project examines a group of Central Queensland adults who voluntarily undertook heart risk screening, supported by client-centred health goal setting. A post-screen study was then implemented where participants were contacted at six and twelve month intervals to determine what health behavioural changes, if any, had occurred.

#### **THESIS.W363 1**

Wang, S 1997, '*Design and synthesis of molecular cavities*', PhD thesis, Central Queensland University; Dept. of Chemistry.

##### **Abstract / Table of contents:**

Highlights the design of various symmetrical U-shaped cavitands, where the cavitand provides an enforced rigid concave surface which has convergent functional groups and binding sites attached.

**THESIS.A765 1**

Aspden, WJ 1998, '*Molecular and endocrine responses of the anterior pituitary gland and testes in male bovine treated with the Gonadotrophin releasing hormone Agonist Deslorelin*', PhD thesis, Central Queensland University; Dept. of Biology.

**Abstract / Table of contents:**

Project aims to determine "mechanisms of anterior pituitary gland function and testicular steroidogenesis which result in the increased testosterone secretion observed in male bovine treated with the GnRh agonist deslorelin".

**THESIS.B342 1**

Baker, ML 1998, '*Development of immunoassay systems for the detection of cylindrospermopsin, produced by Cylindrospermopsis raciborskii*', M.App.Sci. thesis, Central Queensland University; Dept. of Chemistry.

**Abstract / Table of contents:**

Project aims to isolate the toxins produced by the Fitzroy River strain of *C. raciborskii*, a tropical cyanobacterium that forms in Queensland waterways, and which is toxic to humans and livestock. Analytical methodologies for the determination of the cylindrospermopsin concentration in water samples or algal extracts are also investigated.

**THESIS.C3775 2**

Cass, MR 1998, '*Constructions of childhood in the works of Ethel Turner and Mary Grant Bruce : pilgrims and Peter Pans*', M.A. thesis, Central Queensland University; Faculty of Informatics.

**Abstract / Table of contents:****THESIS.H546 2**

Hills, EM 1998, '*The action heroine as feminist figuration : mapping the transgressive potential of Hollywood's post-woman women*', PhD thesis, Central Queensland University; School of Languages, Culture and Creative Arts.

**Abstract / Table of contents:****THESIS.J374 1**

Jariangprasert, N 1998, '*The use of media in an organisational context : a field study of factors associated with e-mail use*', PhD thesis, Central Queensland University; Faculty of Informatics and Communication.

**Abstract / Table of contents:**

Aims to contribute to the theoretical and practical understanding of the determinants of the use of e-mail and the tasks for which electronic mail is appropriate.

**THESIS.L534 1**

Li, M, Central Queensland University. School of, B & Environmental, S 1998,

*'Genetic diversity, physiology and production of Chinese water chestnut (Eleocharis dulcis (Burm.f.) Trin. ex Henschel)*', M.App.Sci. thesis, Central Queensland University; School of Biological and Environmental Sciences.

**Abstract / Table of contents:**

1. Introduction -- 2. Estimating the genetic relationship of Chinese water chestnuts growing in Australia using RAPDs -- 3. Response of Chinese water chestnut to photoperiod -- 4. Chinese water chestnut production in relation to harvest date and cold storage -- 5. Chinese water chestnut in vitro culture --6. Chinese water chestnut tip yellowing and brown stem lesions - fungal disease or nutritional disorder -- 7. Conclusions.

**THESIS.M2595 1**

McDougall, R 1998, *'On classes associated with radical and semisimple classes'*, PhD thesis, Central Queensland University; Faculty of Infomatics and Communication.

**Abstract / Table of contents:**

Details an investigation into some aspects of the nature of radical and semisimple classes of associative rings.

1. Introduction -- 2. Some examples of pseudocomplements -- 3. Hereditary and some nonhereditary complements -- 4. Constructions related to pseudocomplements -- 5. A generalisation of the lower radical class -- 6. Outlook.

**THESIS.M732 2**

Mohammadian, M 1998, *'Genetic learning of fuzzy control rules in hierarchical and multi-layer fuzzy logic systems with application to mobile robots'*, PhD thesis, Central Queensland University; School of Computing and Information Systems.

**Abstract / Table of contents:**

Examines the genetic learning of fuzzy control rules. The area of control of a mobile robot is chosen for application.

**THESIS.P473 2**

Peters, R 1998, *'Transient overvoltages in mine power systems'*, M.Eng.(Elec) thesis, Central Queensland University; Dept. of Electrical Engineering.

**Abstract / Table of contents:**

Project investigates "the nature and magnitude of switching transient overvoltages that can be expected in inductively grounded underground coal mines".

Introduction -- Transient overvoltages -- Power system modelling -- Validation studies -- Computer simulation studies -- Alternate neutral earthing schemes -- Conclusions.

**THESIS.R623 2**

Rodero, A 1998, *'An alarm diagnosis expert system'*, M.Eng. thesis, Central Queensland University; James Goldston Faculty of Engineering and Physical Systems.

**Abstract / Table of contents:**

Project aims to create a software package that allows non-specialised personnel to implement a Knowledge (Rule)base from very specific information supplied by experts in the field.

**THESIS.S3593 1**

Schultz, AC 1998, '*Design and synthesis of rigid space-separated Phenanthrolines based on the MOLRAC concept*', PhD thesis, Central Queensland University; Centre for Molecular Architecture.

**Abstract / Table of contents:**

Project describes "the synthesis of a new class of rigid molecules which incorporate at least one polypyridyl ligand separated by a well defined distance and geometry from either a redox site or a second ligating moiety".

**THESIS.S699 1**

Srivihok, A 1998, '*Effective management of executive information systems implementation : a framework and a model of successful EIS implementation*', PhD thesis, Central Queensland University; Faculty of Business and Law.

**Abstract / Table of contents:**

Project develops a framework for EIS implementation, examines the factors influencing its success, and contributes to the identification of techniques for measuring the success of EIS implementation.

**THESIS.T374 2**

Tarlington, J 1998, '*Softwood timber poles : proving of strength and stiffness*', M. Eng. thesis, Central Queensland University; James Goldston Faculty of Engineering and Physical Systems.

**Abstract / Table of contents:**

The method of classification of softwood timber poles within Australia is adopted directly from the United States of America, whereby a pole is classified by its groundline circumference which was determined from a given pole tip load and a fibre stress value (as determined from previous testing). Consequently, the derivation of the basis for classification is based on strength and stiffness values determined from the testing of American timber. This study was conducted to determine the strength and stiffness of Queensland plantation grown softwood.

**THESIS.W422 2**

Webb, J 1998, '*Artistic production in the Central Queensland region : politics and practice*', PhD thesis, Central Queensland University; Dept. of Communication and Media Studies.

**Abstract / Table of contents:**

1. Theoretical perspectives : Research methodologies and perspectives ; Bourdieu and social practice ; Social relations -- 2. The field of artistic production : Defining terms ; Principles of legitimation ; Agents and positions ; Practices of distinction ; The politics of the field -- 3. Constituting the community : Naming ourselves ; Difference and delimitation ; Antagonism as identity ; The politics of

regulation -- 4. Discourse and regulation : Art and/as policy ; The state and its power ; Policy aims ; Art and the ideal community ; Bureaucratic intrusions ; The 'principle of indetermination' -- 5. Arts and the economic field : Commodities and value ; Commoditisation and artistic logic ; Commoditisation and consecration ; Social context ; Artists as commodities -- Conclusion.

### **THESIS.Z525 1**

Zhang, S 1998, '*A DSP based fast data acquisition and processing system for the spectroscopic diagnostic on the H-1NF Helic*', M.App.Sci. thesis, Central Queensland University; Faculty of Engineering and Physical Systems.

#### **Abstract / Table of contents:**

Project describes the development of a Digital Signal Processor based fast data acquisition and processing system for the plasma spectroscopy diagnostic on H-1NF at the Australian National University.

### **THESIS.B7691 1**

Brown, PJ 1999, '*Studies on the epidemiology and other aspects of Chalara elegans*', M.App.Sci.(Biology) thesis, Central Queensland University; School of Biological & Environmental Sciences.

#### **Abstract / Table of contents:**

Project examines the outbreak of black root rot of lettuce in the Bundaberg region due to a fungal pathogen called Chalara elgens.

### **THESIS.C64 3**

Cole, CR 1999, '*Longitudinal train dynamics : characteristics, modelling, simulation and neural network prediction for Central Queensland coal trains*', PhD thesis, Central Queensland University; James Goldston Faculty of Engineering & Physical Sciences.

#### **Abstract / Table of contents:**

Project measures the longitudinal train dynamics in the distributed power coal trains operated by Queensland Rail.

Vol. 1. Introductory chapters and characteristics of longitudinal train dynamics -- v.2. Modelling and simulation of longitudinal train dynamics -- v.3. Neural network prediction of coupler forces and concluding chapters.

### **THESIS.D448 1**

Delantar, EG 1999, '*Teachers' practices and theories of teaching reading and implications for professional development by distance education*', M.Ed. thesis, Central Queensland University; Faculty of Education and Creative Arts.

#### **Abstract / Table of contents:**

Project investigates the professional development needs of secondary school reading teachers in the Philippines by studying teaching practices and theories about teaching reading. This is necessary because English is the required language of instruction in the Philippines and the reading ability of students is not good.

**THESIS.F322 1**

Fabbro, LD 1999, '*Phytoplankton ecology in the Fitzroy River at Rockhampton, Central Queensland, Australia*', PhD thesis, Central Queensland University; School of Biological and Environmental Sciences.

**Abstract / Table of contents:****THESIS.G5932 1**

Golic, M 1999, '*The preparation of dienes and dienophiles containing nucleic acid bases*', PhD thesis, Central Queensland University; Centre for Molecular Architecture.

**Abstract / Table of contents:**

Deals with the "synthesis of rigid polyalicyclic dienes and dienophiles with pyrimidine moieties inbuilt in a rigid fashion (building BLOCKs)".

**THESIS.G594 2**

Goon, P 1999, '*Subjectivity and its discontents : theories of subjectivity and contemporary cultural contexts*', PhD thesis, Central Queensland University; School of Contemporary Communication.

**Abstract / Table of contents:**

Examines the notion of subjectivity in terms of specific schools of thought, such as poststructuralist theory, with "particular regard to the notion of resistance within the contexts of contemporary culture".

**THESIS.H492 1**

Hewavisenthi, S 1999, '*Influence of incubation environment on the development of the flatback turtle (Natator depressus)*', PhD thesis, Central Queensland University; School of Biological and Environmental Sciences.

**Abstract / Table of contents:**

Examines the embryonic development of *Natator depressus* in the laboratory and in natural nests at the Peak Island rookery.

1. Introduction -- 2. Study site and general methodology -- 3. The thermal and hydric environment -- 4. Sex determination and hydric environment -- 5. Thermosensitive period for sexual differentiation of gonads -- 6. Fatty acid composition of egg yolk, lipids of hatchlings and adult females -- 7. The thermal and hydric environment in natural nests -- 8. General discussion.

**THESIS.H823 1**

Huang, B 1999, '*Computer model of the shaft kiln process at Queensland Magnesia (Operations) Pty. Ltd*', M. Eng. thesis, Central Queensland University; James Goldston Faculty of Engineering & Physical Sciences.

**Abstract / Table of contents:**

Develops and tests a computer-based mathematical model for the shaft kiln process at Queensland Magnesia (Operations) Pty. Ltd. (QMAG) in Rockhampton.

**THESIS.H824 1**

Huang, H 1999, '*Studies of physiological methods for increasing growth rate in beef cattle*', PhD thesis, Central Queensland University; Department of Chemistry.

**Abstract / Table of contents:**

Examines methods of increasing the growth of beef cattle. The effect of glucocorticoids with or without clenbuterol on B2 adrenoceptors in skeletal muscle and the effect of fasting on serum leptin were also studied.

**THESIS.K427 1**

Kearns, PS 1999, '*Natural products from the southern Great Barrier Reef*', PhD thesis, Central Queensland University; School of Chemical and Biomedical Sciences.

**Abstract / Table of contents:**

Project describes "the isolation and structure elucidation of novel alkaloid and terpenoid metabolites from marine invertebrates, which were collected from the Mackay-Capricorn Section of the Great Barrier Reef Marine Park (Keppel Bay and the Capricorn Bunker Group)".

1. Marine natural products chemistry - secondary metabolites of sponges, corals and ascidians --
2. B-Carboline and its dimers: their isolation and synthesis --
3. The isolation and structure elucidation Ircinianin Sulfate --
4. The isolation and structure elucidation of Novel Diterpene Triacetate from two soft corals of genus *Efflatounaria* --
5. The isolation of a Novel Bastadin from *Ianthella quadrangulata* --
6. The Norcembrenolides --
7. Reflections on marine natural products research --
8. Experimental.

**THESIS.K554 1**

King, GC 1999, '*Braille-based remediation for dyslexia : no magic wand, but an effective, non-conventional solution*', M.A. thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Project discusses a longitudinal field study where an experimental group of 20 school children with dyslexia were taught to read tactile braille, which was then used to learn 1000 high-frequency words. Conventional remedial approaches failed with these children.

**THESIS.M252 2**

McClanachan, M 1999, '*Investigation of extreme wagon dynamics in Central Queensland coal trains*', M. Eng. thesis, Central Queensland University; James Goldston Faculty of Engineering and Physical Systems.

**Abstract / Table of contents:**

A collaborative research project between Queensland Rail and Central Queensland University to locate wagon dynamic problems in coal trains that could contribute to a derailment.

**THESIS.M2582 1**

McDonald, EM 1999, '*The life experience of the nurse preceptor : a hermeneutic phenomenological study*', M.Ed. thesis, Central Queensland University; Graduate School of Education.

**Abstract / Table of contents:**

Research project aims to "develop insight into and an interpretation of, the lived experiences of preceptors in clinical preceptorship programs for undergraduate nursing students".

**THESIS.M672 1**

Miranda, NP 1999, '*Elementary home-based education centres for geographically isolated children of the Philippines*', M.Ed. thesis, Central Queensland University; Faculty of Education and Creative Arts.

**Abstract / Table of contents:**

Study "identifies and elaborates the establishment principles and operational strategies needed to ensure that the proposed introduction of elementary home-based education centres in the 26 poor provinces in the Philippines is appropriate and relevant to their educational purposes".

**THESIS.N677 1**

Norton, JC 1999, '*Science, technology and the risk society : Australian consumers' attitudes to genetically-engineered foods*', PhD thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Examines the Australian public's perceptions of genetically-engineered foods - how consumers perceive the technology, who is trusted to control this technology and if they consider that the technology offers risks to society both now and in the future.

**THESIS.O376 1**

O'Brien, W 1999, '*Queerest of the queer : the fiction of Angela Carter and the politics of disarticulation*', PhD thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Introduction -- 1. The conventions of context: exploring the reception of Carter's work -- 2. Not without my identity: queer politics, letting go and the processes of disarticulation -- 3. A Sadeian woman? the politics of representation and the "high priestess of postgraduate pornography" -- 4. Infernal passions: the iteration of identity in Angela Carter's *The infernal desire machines of Doctor Hoffman* and *The passion of new eve* -- 5. Queer nights and circus freaks: a Bakhtinian tour of Angela Carter's *Nights at the circus* -- Conclusion.

**THESIS.P871 1**

Purchase, S 1999, '*Relationships in international business networks*', PhD thesis, Central Queensland University; School of Marketing and Tourism.

**Abstract / Table of contents:**

Examines business relationships operating in international business networks

within the engineering services industry from both an Australian and a Thai perspective.

**THESIS.R613 1**

Robertson, BM 1999, '*Beef cattle and coal mine pit water : nutrient utilisation by cattle consuming a highly mineralized water*', PhD thesis, Central Queensland University; School of Chemical and Biomedical Sciences.

**Abstract / Table of contents:**

Project evaluates the effects of consumption by cattle of diluted coal mine pit water, which has a high mineral load, and which could have effects on rumen fermentation and digestion, excretion and water homeostasis in beef cattle.

**THESIS.R627 1**

Robinson, D 1999, '*Expansive and entertaining or play-safe and dull? : an examination of the playing styles of international rugby teams participating in the 1998 Tri-nations Series and the 1998 Five Nations Championship*', M.H.M.Sc. thesis, Central Queensland University; School of Health and Human Performance.

**Abstract / Table of contents:**

**THESIS.R826 1**

Rowsell, GJ 1999, '*Predicting maximal 400-m swim performance using submaximal swim times and training log variables*', M.H.M.Sc. thesis, Central Queensland University; School of Health and Human Performance.

**Abstract / Table of contents:**

Project attempts to examine the validity of using a combination of submaximal swim measures and log book variables to predict 400-m maximal swim performance in well-trained triathletes.

**THESIS.S477 3**

Senini, S 1999, '*The application of hybrid active filter technology to unbalanced traction loads*', PhD thesis, Central Queensland University; James Goldston Faculty of Engineering and Physical Systems.

**Abstract / Table of contents:**

**THESIS.S7215 1**

Stanek, MM 1999, '*The use of habitat components as a predictor of population density of the Bridled Nailtail Wallaby, *Onychogalea fraenata* (Gould, 1841)*', M.App.Sci. thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Six sites in the Taunton National Park in Central Queensland were investigated with the aim of developing a method of predicting nailtail populations in diverse habitats, with the ultimate goal of identifying habitats conducive to continued

nailtail survival.

**THESIS.S775 1**

Stuart, I 1999, '*Assessment of a vertical-slot fishway for non-salmonid fish at a tidal barrier on the sub-tropical Fitzroy River, Queensland*', M.App.Sci. thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Studies the effectiveness of a new vertical-slot fishway on the Fitzroy River from 1995-1997. This study is also the first record of barramundi successfully migrating through an in situ fishway where no significant difference was found between the size of the fish at the top and bottom.

**THESIS.W427 1**

Webster, B 1999, '*Fighting in the grand cause : a history of the trade union movement in Rockhampton 1907-1957*', PhD thesis, Central Queensland University; School of Humanities.

**Abstract / Table of contents:**

Examines the social history of Rockhampton trade unionism, set in the economic and social context of the period from 1907-1957.

Part I: Constructing the framework: emergence and development of local union structures and organisation -- Part II: Conformity and dissent: ideological differences in the local union movement -- Part 3: Unions at work: bettering the workers' lot in life -- Conclusion.

**THESIS.W554 1**

Williams, LM 1999, '*What needs? : nurses and aboriginal patients in hospital. A grounded theory study*', PhD thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Study examines the practice of nurses with members of a local adult Aboriginal community who were admitted to hospital. The grounded theory study was conducted in regional Queensland.

**THESIS.X521 1**

Xia, Y 1999, '*Switching control and its application to induction motors*', PhD thesis, Central Queensland University; James Goldston Faculty of Engineering and Physical Systems.

**Abstract / Table of contents:**

Develops two new switching control design methods which provides electrical engineers with new methods for high performance control of induction motors.

**THESIS.B7385 1**

Brigg, MJ 2000, '*Developmentalism and the postwar development project : a Foucaultian approach to social change and the operation of power through development*', M.A. thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Project explores developmentalism as a "historically and culturally contingent conceptualisation of social change in order to map the location of developmental efforts" ; also, the project elaborates a "Foucaultian framework for analysis of the emergence and operation of the postwar development project".

**THESIS.C4845 1**

Chen, M 2000, '*An intelligent internet search agent based on genetic algorithms*', M. Info. thesis, Central Queensland University; Faculty of Informatics and Communication.

**Abstract / Table of contents:**

1. Introduction -- 2. Genetic algorithms and search agents -- 3. Building search agents using GAs -- 4. Software development -- 5. Experiments -- 6. Conclusion and future research.

**THESIS.C5278 1**

Clarke, R 2000, '*Sublime travel : allegory in three central Australian travel texts*', M.A. thesis, Central Queensland University; School of Humanities.

**Abstract / Table of contents:**

Project examines three travel texts about Central Australia representing three difference stages in the European colonisation of the region - 1860, 1936 and 1987. The manner in which these texts are related is also studied.

**THESIS.C727 1**

Cranston, N 2000, '*The impact of school-based management on primary principals in Queensland*', EdD thesis, Central Queensland University; Faculty of Education and Creative Arts.

**Abstract / Table of contents:**

Project investigates the impact of the school-based management change process on six principals over an 18 month period.

**THESIS.C857 1**

Cunningham, D 2000, '*Autecology of Cassia brewsteri with respect to galactomannan production*', PhD thesis, Central Queensland University; School of Biological and Environmental Sciences.

**Abstract / Table of contents:**

1. Analysis of genetic diversity in Australian Cassia species with radio-labelled DNA amplification fingerprinting (RAF) -- 2. An ecological description of Cassia brewsteri with estimated requirements for cultivation -- 3. Flowering, fruiting and leaf phenology of Cassia brewsteri -- 4. Propagation of Cassia brewsteri -- 5. Establishment of Caryedon serratus in Australia and two new host species, Cassia brewsteri and C. tomentella -- 6. Quality and variability of Cassia brewsteri galactomannan -- 7. Determination of chrysophanic acid in Cassia brewsteri -- 8. Commercial viability of Cassia brewsteri galactomannan production -- Appendix: Commercial viability of Senna tora galactomannan production under Australian conditions.

**THESIS.D445 1**

Dekkers, SM 2000, '*School Advisory Councils : instruments of school reform : a thesis*', PhD thesis, Central Queensland University; Faculty of Education and Creative Arts.

**Abstract / Table of contents:**

This study investigates the driving forces that affected the formation and development of Queensland School School Advisory Councils in the 1990's. To ground the study, it focuses on the nature, purposes and conditions of two School Advisory Councils within Central Queensland. Using an interpretive and interview-based research framework, policy documents, policy makers and school personnel were investigated. It is evident that the introduction and establishment of these councils had a far-ranging impact on the managerial, structural, and economic culture of schools.

**THESIS.G622 1**

Godden, RD 2000, '*The Use of stereo video as a training media in the mining industry*', M.App.Sci. thesis, Central Queensland University; Faculty of Informatics and Communication.

**Abstract / Table of contents:**

The objective of this research was to investigate the use of stereo video as a component of multimedia training materials in contexts where three-dimensional cues are particularly important. The particular application area investigated was the splicing of conveyor belts in the mining industry. The research has practical significance because it is a technique that has wide applicability in areas where training costs are high or involve dangerous activities.

**THESIS.G7328 1**

Greensill, CV 2000, '*Non-invasive assessment of fruit quality by near-infrared spectroscopy for fruit grading in an in-line setting*', PhD thesis, Central Queensland University; James Goldston Faculty of Engineering and Physical Systems.

**Abstract / Table of contents:**

1. Introduction -- 2. Underpinning technologies -- 3. Literature review/Case studies -- 4. An experimental comparison of simple NIR spectrometers for fruit grading applications -- 5. An investigation into the determination of the maturity of pawpaws (*Carica papaya*) from NIR transmission spectra -- 6. Optimisation of instrumentation precision and wavelength resolution for the performance of NIR calibrations of sucrose in a water-cellulose matrix -- 7. A remote acceptance probe and illumination configuration for spectral assessment of internal attributes of intact fruit -- 8. Calibration transfer between NIR spectrometers in the NIR assessment of melon soluble solids content -- 9. Conclusion.

**THESIS.H3422 1**

Hall, CB 2000, '*Evaluation of police service service delivery in the southern Gold Coast area*', M.A. thesis, Central Queensland University; Faculty of Arts, Health

& Sciences.

**Abstract / Table of contents:**

Project examines how residential and business sectors of the community in the southern Gold Coast perceive the police service provided to them and records the level of satisfaction with that service. The history of policing is also discussed, from the early convict days to the methods employed by the Queensland Police Service.

**THESIS.H3915 1**

Hayes, BJ 2000, '*Mate selection for multi-breed beef cattle populations*', PhD thesis, Central Queensland University; Faculty of Informatics and Communication.

**Abstract / Table of contents:**

1. General introduction -- 2. Review of selection and mating strategies for multi-breed populations -- 3. Deterministic derivation of mate selection for multi-breed populations -- 4. Mate selection to improve future genetic merit with breed effects and heterosis -- 5. Mate selection to improve future genetic merit with breed effects, heterosis and individual breeding values -- 6. Mate selection to exploit across- and within- breed dominance variation -- 7. General discussion and conclusions.

**THESIS.H533 2**

Higgins, VJG 2000, '*Smoothing the process of change? : a genealogy of the governance of farm viability in Australia (1967-1997)*', PhD thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

1. Introduction -- 2. Governmentality, regulation and 'the state' : a theoretical framework for analysing the governing of farm viability -- 3. Reconstructing the governing of farm viability : a genealogical methodology -- 4. Self reliance (1) : the emergence of the farmer as risk manager (1990-1997) -- 5. Self-reliance (2) : advanced liberalism and the limits of managed risk -- 6. An 'outward-looking' agriculture : economic reform and the constitution of the enterprising farmer (1986-1989) -- 7. A 'rational' approach to economic management : farm viability as a long-term efficiency problem (1973-1985) -- 8. The emergence of the 'low-income' farm as a viability problem (1967-1972) -- 9. Conclusions : farm viability and a genealogy of governance.

**THESIS.H547 1**

Hills, JM 2000, '*The journey between the poles : the social realities of families of consumers with bipolar disorder*', PhD thesis, Central Queensland University; School of Social Work and Welfare Studies.

**Abstract / Table of contents:**

1. Families and mental illness -- 2. The nature of bipolar disorder -- 3. Family, social factors and bipolar disorder -- 4. Research methodology -- 5. Results of the research -- 6. Conclusion and limitations.

**THESIS.J347 1**

Jamieson, L 2000, '*Exploration of a potential advanced nursing practice role for adult critical care settings*', M.Hth.Sc. thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

The purpose of the study was to explore issues which may support Australian critical care nurses to pre-determine the dimensions of a new advanced nursing practice role for adult critical care settings. This study was based on the qualitative approach of focus group methodology. Data was collected from a purposive sample of 26 critical care nurses working in regional Queensland. The data was subjected to thematic content analysis to inductively identify emerging themes.

**THESIS.J6333 1**

John, MA 2000, '*Insight in schizophrenia : structure and justification of sufferer's illness narratives*', PhD thesis, Central Queensland University; School of Sociology and Psychology.

**Abstract / Table of contents:**

1. Contested perspectives on insight -- 2. Theoretical perspectives within the contemporary insight literature -- 3. Research into insight -- 4. An epistemology for qualitative research -- 5. The explanatory model narrative -- 6. Experiment one -- 7. A reformulation of the explanatory model narrative -- 8. Experiment 2 -- 9. Discussions and conclusions.

**THESIS.J6335 1**

John, SA 2000, '*Reconceptualising quality and quality judgement in higher education*', PhD thesis, Central Queensland University; Faculty of Education and Creative Arts.

**Abstract / Table of contents:**

This study was an investigation of the conceptualisation of quality and quality judgement in Australian higher education. The value of recent mainstream conceptions was challenged on the basis that, while these conceptions might offer some form of management accountability, they were unlikely to generate the necessary quality understandings to facilitate optimal customer satisfaction or quality improvement.

**THESIS.L353 1**

Lamb, NG 2000, '*Alternative environments and young relocated athletes*', M.H.M.Sc thesis, Central Queensland University; School of Health & Human Performance.

**Abstract / Table of contents:**

Investigates the relocation of 'elite' young male athletes and the environment they need to be housed in when moved from their original home to new surroundings.

**THESIS.L551 1**

Lin, F 2000, '*An intelligent tourist system : an application of integrated intelligent response mechanisms*', M. Info. thesis, Central Queensland University; Faculty of Informatics and Communication.

**Abstract / Table of contents:**

1. Introduction -- 2. Expert database systems and intelligent response mechanisms -- 3. Development of the intelligent tourist directory system -- 4. Conclusion and discussion -- Appendix A. Intelligent tourist directory system illustrated user guide -- Appendix B. User evaluation form -- Questionnaire on user satisfaction with the intelligent tourist directory system.

**THESIS.L9645 1**

Lyons, K 2000, '*Situated knowledges, science and gender : a sociology of organic agriculture in Australia and New Zealand*', PhD thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

1. Introduction -- 2. Deconstructing science, gendering rural sociology -- 3. Methodology -- 4. From sandals to suits : institutionalisation of organic agriculture -- 5. The symbolic construction of organic food and agriculture -- 6. Organics and the production of knowledge : a place for agri-science -- 7. Corporate capital, greening and organics -- 8. Reflections on situated knowledges.

**THESIS.M3985 1**

Madsen, M 2000, '*The development of a psychometric instrument for human-computer trust : an investigation of trust within the context of computer-aided decision-making*', M.Bus. thesis, Central Queensland University; Faculty of Business & Law.

**Abstract / Table of contents:**

**THESIS.M4735 1**

Margetic, S 2000, '*Leptin pharmacology and endocrinology*', PhD thesis, Central Queensland University; School of Chemical and Biomedical Sciences.

**Abstract / Table of contents:**

1. Literature review -- 2. Leptin pharmacokinetics and tissue distribution -- 3. The effect of diet on plasma leptin concentration and tissue distribution -- 4. Characterisation of leptin binding proteins in bovine serum -- 5. Characterisation of leptin receptors in bovine kidney -- 6. Characterisation of leptin receptors in rat small intestine -- 7. Investigations of the effect of leptin on angiogenesis.

**THESIS.M4766 1**

Martin, DK 2000, '*A review of collaborative teacher networks using action research to enhance professional development*', M.Ed. thesis, Central Queensland University; Faculty of Education and Creative Arts.

**Abstract / Table of contents:**

Project examines a regional professional development project that was initiated in Central Queensland in 1993 by the Capricornia Educators' Professional

Development Consortium, to assist Central Queensland teachers in the identification of their own professional development needs in relation to the National Statements and Profiles in English and Mathematics and the Key Competencies.

**THESIS.M2425 1**

McCarthy, RT 2000, '*Effects of explanatory style optimism and self-esteem training on children's psychological and academic wellbeing*', M.A. thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

This study was conducted to compare the effects of Optimism training and Self-Esteem training with children...Comparison of the two theoretical models showed that the Optimism model fitted the data better than the Self-Esteem model. Optimism training was more effective than Self-Esteem training in increasing optimism, and decreasing depression with a follow-on effect to social skills and aspects of domain self-esteem. Implications for education are that Optimism training may have a greater influence on the child's psychological welfare than existing Self-Esteem programs.

**THESIS.M6332 1**

Miller, CL 2000, '*Patient care information and its use by nurses: becoming informed*'. M.Hth.Sc. thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Study aims to discover the sources of information about patients that nurses use in their shift - usually passed on at the formal 'nursing handover'. Alternative sources of information and methods of keeping information up to date is also investigated.

**THESIS.P572 1**

Pitcher, DJ 2000, '*Pituitary and ovarian function in female cattle treated with Deslorelin, an agonist of Gonadotrophin-releasing hormone*', M.App.Sci. thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

**THESIS.R395 1**

Rayner, DM 2000, '*Spiders in central Queensland mango orchards : diversity, diel activity and impact of pesticides*', M.Sc. thesis, Central Queensland University; School of Biological and Environmental Science.

**Abstract / Table of contents:**

1. Introduction to mangoes, spiders and pesticides -- 2. Spider communities in central Queensland mango orchards -- 3. Spiders as predators of pests in mango orchards -- 4. Acute and chronic effects of pesticides on spider communities -- 5. Conclusions and recommendations for future study.

### **THESIS.S845 1**

Sun, G 2000, '*Construction of N-bridged molecular ribbons and cavities*', PhD thesis, Central Queensland University; Centre for Molecular Architecture.

#### **Abstract / Table of contents:**

1. Introduction -- 2. Diels-Alder reactions of Pyrroles -- 3. Diels-Alder reactions of Isoindoles -- 4. Application of ACE coupling and development of aza-ACE Cycloadditions -- 5. Experimental.

### **THESIS.S866 1**

Surjosuseno, TT 2000, '*Towards improving the teaching of critical reading skills in English as a Foreign Language (EFL) tertiary classes in Indonesia : an analysis of a reading curriculum*', EdD thesis, Central Queensland University; Faculty of Education & Creative Arts.

#### **Abstract / Table of contents:**

Project examines the teaching of English as a foreign language to tertiary students in Indonesia, with emphasis on the reading curriculum of Widya Mandala Catholic University.

### **THESIS.T375 1**

Tatnall, A 2000, '*Innovation and change in the Information Systems curriculum of an Australian university : a socio-technical perspective*', PhD thesis, Central Queensland University; Faculty of Education.

#### **Abstract / Table of contents:**

Project investigates how the programming language Visual Basic found a place in the Information Systems curriculum at RMIT University of Melbourne despite challenges from other programming languages.

### **THESIS.T782 1**

Tsang, PM 2000, '*The use of e-signatures for commercial advertising on the Interneth*', PhD thesis, Central Queensland University; Faculty of Informatics and Communication.

#### **Abstract / Table of contents:**

### **THESIS.T873 1**

Turnbull, ML 2000, '*A Seismic hazard assessment and microzonation of Bundaberg*', M.App.Sci. thesis, Central Queensland University; Faculty of Engineering and Physical Systems.

#### **Abstract / Table of contents:**

1. Introduction -- 2. Geology of the Bundaberg area -- 3. Seismic history of the Bundaberg region -- 4. An isoseismal map of the Bundaberg 1997 earthquake -- 5. Earthquake hazard in the Bundaberg area, estimated using Gumbel Type 1 statistics -- 6. Characterisation of ground motion amplification -- 7. Spectral ratio methods of determining site response -- 8. A methodology for deriving Nakamura spectra from microseismograms -- 9. A microzonation methodology -- 10. Microzonation of Bundaberg City -- 11. Indirect determination of sediment depth

in Bundaberg City -- 12. Significance of work done in this thesis.

**THESIS.Y834 1**

Yuginovich, TE 2000, '*When the dust settles : a comparative history of remote area nursing in Queensland in the 19th and 20th centuries*', PhD thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

**THESIS.Z342 1**

Zajaczkowski, JM 2000, '*Model reference adaptive control in Hamiltonian systems*', M.Sc. thesis, Central Queensland University; School of Mathematical & Decision Sciences.

**Abstract / Table of contents:**

1. Introduction to adaptive control -- 2. Lyapunov method -- 3. Model reference adaptive control using Lyapunov formalism -- 4. Newtonian formulation of mechanics -- 5. Lagrangian formulation of mechanics -- 6. Hamiltonian formulation of mechanics -- 7. Model reference control using Hamiltonian functions -- 8. Model reference adaptive control using Hamiltonian functions -- 9. Sliding mode control -- 10. Sliding mode control for Hamiltonian systems -- 11. Conclusions.

**THESIS.A749 1**

Arizmendi, WC 2001, '*It's not a struggle where you are on your own : Indigenous Australian male undergraduate retention and the interdependent universe*', M.Ed. thesis, Central Queensland University; School of Education and Innovation.

**Abstract / Table of contents:**

This research aimed to discover the underlying reasons for the decisions by selected Indigenous Australian male undergraduates aged 18-24 attending the Rockhampton Campus of Central Queensland University to remain in their studies

**THESIS.C5538 1**

Cleary, SR 2001, '*Nurses' perceptions of the provision of quality nursing care to post procedure elective Percutaneous Transluminal Coronary Angioplasty (PTCA) patients*', M.Hth.Sc. thesis, Central Queensland University; School of Nursing and Health Studies.

**Abstract / Table of contents:**

**THESIS.C6726 2**

Cosgrove, B 2001, '*Mount Morgan : images and realities - dynamics and decline of a mining town*', PhD thesis, Central Queensland University; Faculty of Arts, Health and Sciences.

**Abstract / Table of contents:**

Examines the social history of Mount Morgan including the establishment, rise

and fall of the town from 1883-1927 after the establishment of the Mount Morgan Gold Mining Company Limited. Geographic, climatic and company influences that caused the ultimate survival of the town are also discussed.

**THESIS.D3525 1**

Danaher, PA 2001, '*Learning on the run : traveller education for itinerant show children in coastal and western Queensland*', PhD thesis, Central Queensland University; Faculty of Education and Creative Arts.

**Abstract / Table of contents:**

This thesis is concerned with marginalisation, and with the possibilities of resistance and transformation of that marginalisation, in the lives of the children of itinerant show families whose travels take them through coastal and western Queensland. More specifically, the problem with which the thesis engages is the ways in which educational provision for these children has been complicit with that marginalisation as well as being the site of alternative understandings about how Travellers can and should be educated.

**THESIS.D852 1**

Dunbar, SG 2001, '*Respiratory, osmoregulatory and behavioural determinants of distribution of two tropical marine hermit crabs*', PhD thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Attempts to determine if differences in distribution of two types of hermit crab could be related to "differences in metabolic costs of physiological responses to changes in environmental conditions".

1. General introduction -- 2. Local distribution -- 3. Physiological responses -- 4. Survival -- 5. Geographical distribution -- 6. Interspecific competition -- 7. General discussion.

**THESIS.E393 1**

Egea, KH 2001, '*The design, development and evaluation of a computer-based testing system : an innovative approach to diagnostic placement of students in a bridging mathematics program*', PhD thesis, Central Queensland University; Faculty of Informatics and Communication.

**Abstract / Table of contents:**

Bridging students aiming to attend university need to bridge the gaps in their mathematical knowledge. For this, they need a confirmation of their current knowledge status, and individual study schedules to advance their knowledge within the bridging program. Yet there is very little literature available to guide the design of suitable testing programs or diagnostic procedures, particularly for students studying independently at a distance. To address this problem, a working prototype has been designed and developed to provide a student self-administered, computer-based diagnostic testing model for placement of students enrolled in a distance educational university bridging mathematics program...

**THESIS.F547 1**

Fleming, PJ 2001, '*Self-reported Hepatitis 'A' immunisation amongst child care workers in the Bundaberg Region*', M.O.H. & S. thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:****THESIS.G7327 1**

Greening, A 2001, '*Education in the forty year present : perceptions of computer scientists on educational futures in a context of rapid technological change*', EdD thesis, Central Queensland University; Faculty of Education and Creative Arts.

**Abstract / Table of contents:**

1. Introduction : technological futures and education -- 2. Context : technological change and educational futures -- 3. Approaching the future : research issues -- 4. The virtual community : basic respondent demographics -- 5. Emerging issues : dialogue and debate -- 6. Negotiating priorities for the future -- 7. Conclusions.

**THESIS.H473 2**

Herbert-Cheshire, LA 2001, '*Governing development : discursive practices of self-help in contemporary rural Australia*', PhD thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

1. The crisis, the solution and the 'problem' of self-help in contemporary rural Australia -- 2. Power and government: a governmentality perspective -- 3. A question of method -- 4. Self-help in rural Queensland: the Woomeroo Action Group and the East Warrington Turnaround Group -- 5. Contemporary discourses of rural development in Australia -- 6. A problematics of government: self-help as discursive practice -- 7. Governmental technologies: a case study of the positive rural futures conference and building rural leaders program -- 8. Micro-practices of power: self-help and expertise in Woomeroo and East Warrington -- 9. Docile bodies or active agents? translating self-help -- 10. Rural development in Australia: lessons learnt and future prospects.

**THESIS.H853 1**

Hungerford, L 2001, '*The sugar industry as a commodity system : an analysis of agricultural restructuring within the Australian sugar industry*', PhD thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Investigates whether the restructuring of the Australian sugar industry is enough for an increasingly globalised economy and fierce international competition. The sustainability of the industry is also discussed.

**THESIS.K667 1**

Klotz, JA 2001, '*The Role and function of remote area nurses at Birdsville 1923-1953*', PhD thesis, Central Queensland University; School of Nursing and Health Studies.

**Abstract / Table of contents:**

1. Establishing the AIM Nursing Service at Birdsville -- 2. The pioneers - Grace Francis and Catherine Boyd : 1923-1925 -- 3. Building on the tradition 1925-1930 -- 4. Economic depression, and a new hospital 1930-1938 -- 5. The war years - 1938-1947 -- 6. Capable companions and other contingencies : re-opening of the AIM Nursing and Welfare Home at Birdsville - 1948-1950 -- 7. The challenges of living in and practicing nursing at Birdsville - 1950-1953.

**THESIS.M2523 1**

MacLellan, LJ 2001, '*Morphology and function of ovarian follicles and oocytes following superstimulation treatments in heifer calves*', PhD thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

1. Introduction -- 2. Materials and methods -- 3. Influence of the GnRH agonist deslorelin, on patterns of 17B-oestradiol and LH secretion, ovarian follicular responses to stimulation with FSH, oocyte recovery and in vitro development of oocytes in heifer calves -- 4. Superstimulation of ovarian follicular growth with FSH, oocyte recovery, and embryo production from Zebu (*Bos indicus*) calves : effects of treatment with a GnRH agonist or antagonist -- 5. Influence of rate of live weight gain on the response of heifer calves to superstimulation with FSH, oocyte recovery and in vitro embryo development -- 6. Developmental rates of oocytes obtained from superstimulated and unstimulated heifer calves compared with oocytes obtained from sexually mature heifers and cows -- 7. Transfer of embryos derived from heifer calves to recipients -- 8. General discussion and conclusions and future research.

**THESIS.O3761 1**

Ockerby, SE 2001, '*Leaves shed light on flowering : (vegetative growth and control of floral induction in Sorghum bicolor)*', PhD thesis, Central Queensland University; School of Biological and Environmental Sciences.

**Abstract / Table of contents:**

Project tests the hypothesis that floral induction and flowering time in *Sorghum bicolor* L. can be "regulated by in-crop canopy modification", with the result that farmers would be better able to manage their crops to avoid severe crop water stress at flowering.

**THESIS.O723 1**

Orbeta, LM 2001, '*The Professional development of teachers who will teach in the distance education mode in the Philippines*', M.Ed. thesis, Central Queensland University; Faculty of Education and Creative Arts.

**Abstract / Table of contents:****THESIS.P381 1**

Patson, NH 2001, '*Methods for revealing patterns of non-local order in complex collective phenomena*', M.App.Sci. thesis, Central Queensland University;

Faculty of Informatics and Communication.

**Abstract / Table of contents:**

1. Introduction -- 2. Robot soccer simulators -- 3. Application of technique to team dynamics -- 4. Statistical analysis of results.

**THESIS.P434 1**

Pegg, SA 2001, '*The effects of a therapeutic recreation intervention on community based consumers of a mental health service in regional Australia*', PhD thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

Explores the relationship between therapeutic recreation and the health of community-based consumers in the Rockhampton District Mental Health Service.

**THESIS.S773 1**

Strychar, KB 2001, '*Bleaching in soft and scleractinian corals : comparison of the physiology, genetics, and biochemistry of Symbiodinium*', PhD thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

**THESIS.V395 1**

Vaughan, JL 2001, '*Control of ovarian follicular growth in the alpaca, Lama pacos*', PhD thesis, Central Queensland University; Animal Sciences and Production Group.

**Abstract / Table of contents:**

1. Introduction and review of literature -- 2. General materials and methods -- 3. Effects of sexual receptivity, mating behaviour and ovarian follicular state on pregnancy in female alpacas -- 4. Ovarian follicular wave characteristics of unmated alpacas -- 5. Plasma concentrations of 17 $\beta$ -oestradiol and ovarian follicular growth in alpacas treated with 17 $\beta$ -oestradiol -- 6. Plasma concentrations of oestradiol and ovarian follicular growth in alpacas treated with oestradiol benzoate -- 7. Plasma concentrations of progesterone and ovarian follicular growth in alpacas treated with progesterone -- 8. Effects of different routes, doses and frequencies of progestagens on follicular activity in alpacas -- 9. Preliminary observations on the morphology of oocytes obtained from newly emerged dominant follicles after ovarian follicular wave synchronisation in alpacas. -- 10. Use of the day 0 to 4 progesterone synchronisation protocol in fixed-time mating trials -- 11. General discussion.

**THESIS.W449 1**

White, DT 2001, '*Phytoplasma diseases of papaya (Carica papaya L.) in Australia : phytoplasma classification, pathology and transmission*', M.App.Sci. thesis, Central Queensland University; Faculty of Arts, Health & Sciences.

**Abstract / Table of contents:**

**THESIS.W822 2**

Wu, B 2001, '*Evolutionary strategies for function optimization, fuzzy modeling and control*', PhD thesis, Central Queensland University; Faculty of Informatics and Communication.

**Abstract / Table of contents:**

1. Introduction -- 2. Global function optimization -- 3. Constrained function optimization -- 4. Fuzzy logic and fuzzy systems -- 5. Evolutionary fuzzy systems -- 6. Fuzzy state space modeling -- 7. Fuzzy embedding modeling -- 8. Fuzzy gain scheduling control -- 9. Summary and conclusions.

**THESIS.Z58 1**

Zhu, GX 2001, '*Optimising wheat production through management in the semi-arid tropics of Central Queensland*', PhD thesis, Central Queensland University; School of Biological and Environmental Sciences.

**Abstract / Table of contents:**

1. Introduction -- 2. Effect of defoliation on spring wheat in Central Queensland : I. Grain yield, WUE, total DM and other agronomic components -- 3. Effects of defoliation on spring wheat in Central Queensland : II. Physiological aspects -- 4. Effect of defoliation on spring wheat in Central Queensland : III. N uptake, N use efficiency and profitability -- 5. Superphosphate, basal N and foliar N to improve wheat productivity in Central Queensland -- 6. Further studies on basal and foliar N applications -- 7. General concluding discussion.

**THESIS.A6427 1**

Applegarth, PJ 2002, '*Studies on freshwater thermophilic amoebae in natural and man-made water bodies in the Rockhampton area*', M.App.Sci. thesis, Central Queensland University; School of Biological and Environmental Sciences.

**Abstract / Table of contents:**

Free-living amoebae (FLA) are an assemblage of heterotrophic, eukaryotic organisms, which survive in a range of specialised and extreme environments worldwide. A few, namely *Naegleria fowleri*, pathogenic *Acanthamoeba* spp. and *Balamuthia mandrillaris* may occasionally become parasites of humans and produce life and sight-threatening diseases that are difficult to treat effectively. This thesis presents the findings of a 12-month survey of 3 natural and 3 man-made water-bodies in the Rockhampton area. It was undertaken to determine if these thermophilic FLA were present in readily recoverable quantities using the sample volumes detailed in this study thereby reflecting high population densities which could pose a potential health hazard to humans using these water bodies recreationally.

**THESIS.D739 1**

Drewett, JA 2002, '*The impact of a vertical timetable on the school community : a case study in Queensland secondary schools*', EdD thesis, Central Queensland University; Faculty of Education and Creative Arts.

**Abstract / Table of contents:**

Projects aims to provide school administrators and policy makers with the results

of educational change - in this case the introduction of a vertical timetable and its impact on the school community, in particular the teachers.

### **THESIS.F4735 2**

Ferguson, MA 2002, '*Life cycle and biology of Sychnocotyle kholo Ferguson, Cribb and Smales, 1998 with a survey of the parasites of Emydura krefftii Gray, 1881 and a revision of the subclass Aspidogastrea*', PhD thesis, Central Queensland University; School of Biological and Environmental Sciences.

#### **Abstract / Table of contents:**

1. Introduction and literature review -- 2. Survey of the helminths of Emydura krefftii and other turtles -- 3. Life history of Sychnocotyle kholo -- 4. Morphology and ultrastructure of Sychnocotyle knolo -- 5. Phylogenetic analysis of the suborder Aspidogastrea -- 6. General conclusions.

### **THESIS.F553 1**

Finemore, MJ 2002, '*The social consequences of restructured sugarcane harvesting in the Bundaberg region*', M.A. thesis, Central Queensland University; Faculty of Arts, Health and Sciences.

#### **Abstract / Table of contents:**

1. Introduction to the study -- 2. Globalisation and agricultural change : a theoretical overview -- 3. Methodology -- 4. A social history of cane harvesting -- 5. Disconnectedness - relationship to harvesting -- 6. Consideration of subsumption at the farm level -- 7. Conclusion.

### **THESIS.H3483 1**

Hanley, JJ 2002, '*The continuation of the ethos of Nano Nagle and the Queensland Presentation Congregation in the documents of St Ursula's College, Yeppoon : a case study in document analysis*', EdD thesis, Central Queensland University; Faculty of Education and Creative Arts.

#### **Abstract / Table of contents:**

Throughout Australia there has been a decline in the numbers of members of religious orders and congregations working in Catholic Schools. Although owned and governed by the Congregation of the Queensland Presentation Sisters, St Ursula's College, Yeppoon, is a school that has no daily contact with the Congregation. The College, founded in 1918, has enjoyed a long association with the Presentation Congregation, which itself was founded by Nano Nagle in Cork Ireland, in the late eighteenth century. Within the next five to ten years, however, it is very likely that, because of its declining numbers and the ageing of its members, the Congregation will no longer have a governing role in the College. Through a case study approach using a process of document analysis I address the question : "To what extent do the official documents of St Ursula's College, Yeppoon, continue the ethos of Nano Nagle and the Queensland Presentation Congregation?..

### **THESIS.I822 1**

Isdale, LF 2002, '*Instituting a new work order : a socio-technical analysis of the*

*introduction of the 'School Management System' in two Queensland schools'*, PhD thesis, Central Queensland University; Faculty of Education and Creative Arts.

**Abstract / Table of contents:**

1. The study of SMS -- 2. Work in context -- 3. Theorising innovation -- 4. Representing innovation -- 5. Official networks' performances -- 6. The work of innovation -- 7. Women's work in schools -- 8. SMS as a new work order.

**THESIS.J632 2**

Johansen, G 2002, '*Women in central Queensland : a study of three coastal centres, 1940-1965*', PhD thesis, Central Queensland University; School of Humanities.

**Abstract / Table of contents:**

1. War to reconstruction -- 2. Women under pressure in the 1940s -- 3. Women and the family economy -- 4. "Suitable work for women" : women's traditional work -- 5. Women in overalls : women's work in industry -- 6. Women in the professions and business world -- 7. The home and the housewife -- 8. Leisure time activities.

**THESIS.K693 1**

Knight, RM 2002, '*Structure of faunal assemblages on rehabilitated land*', M. App. Sci. thesis, Central Queensland University; School of Biological and Environmental Sciences.

**Abstract / Table of contents:**

The present study had three objectives : firstly to examine the success of rehabilitation efforts on post mining substrates by analysis of trappable small vertebrates recolonising rehabilitated areas compared to control unmined areas ; secondly to examine the relationship between small vertebrates and the availability of appropriate microclimates in the environment by assessing a series of vegetation and habitat variables ; and thirdly to provide a comprehensive non-avian vertebrate species for the Blair Athol Coal Mine Lease.

**THESIS.L57 1**

Li, Q 2002, '*Development of high frequency power conversion technologies for grid interactive PV systems*', M. Eng. thesis, Central Queensland University; James Goldston Faculty of Engineering.

**Abstract / Table of contents:**

Project examines the development of a DC-DC converter topology with potential applications in photovoltaic (PV) systems.

**THESIS.L9625 1**

Lynch, T 2002, '*Intelligent support systems in agriculture : a study of their adoption and use*', PhD thesis, Central Queensland University; Faculty of Informatics and Communication.

**Abstract / Table of contents:**

Australian agriculture is one area in which a number of intelligent support

systems have been developed. It appears, however, that comparatively few of these systems are widely used or have the impact the developers might have wished. In this study a possible explanation for this state of affairs was investigated. The development process for 66 systems was examined. Particular attention was paid to the nature of user involvement, if any, during development and the relationship to system success.

#### **THESIS.M331 1**

McKay, D 2002, '*Cotton compost turner*', B.Eng. thesis, Central Queensland University; James Goldston Faculty of Engineering & Physical Systems.

#### **Abstract / Table of contents:**

#### **THESIS.P489 2**

Phillott, AD 2002, '*Fungal colonisation of sea turtle nests in eastern Australia*', PhD thesis, Central Queensland University; School of Biological and Environmental Sciences.

#### **Abstract / Table of contents:**

1. Introduction -- 2. Study sites and general methods -- 3. Variation in hatch success and occurrence of fungi in sea turtle nests in eastern Australia -- 5. The source of fungi invading sea turtle eggs -- 6. The distribution of failed eggs and appearance of fungi in sea turtle nests -- 7. Potential causes of embryo mortality following fungal invasion of the sea turtle egg -- 8. The influence of the nest environment on fungal colonisation of sea turtle nests at Heron Is. -- The influence of the thermal and hydric nest micro-climate on fungal colonisation of sea turtle eggs -- 10. The influence of embryonic development on egg susceptibility to fungal colonisation -- 11. Potential chemical and physical defences against fungal invasion of sea turtle eggs -- The influence of fungal colonisation of the sea turtle nest on hatchling weight, size and scutellation -- 13. General discussion.

#### **THESIS.Q28 1**

Qiu, X-Y 2002, '*Studies on cartilage-derived inhibitors of angiogenesis*', PhD thesis, Central Queensland University; School of Chemical and Biomedical Sciences.

#### **Abstract / Table of contents:**

This work arose from anecdotal evidence for the existence of anti-angiogenic factors in shark cartilage powders. The project aimed to elucidate the mechanisms of anti-angiogenesis of shark cartilage, identify at least one novel anti-angiogenic factor from shark cartilage, and search for other natural anti-angiogenic factors in cartilage of other species.

#### **THESIS.S222 1**

Sadasiva, I 2002, '*A real time code generator for power electronic applications and implementation of PWM converter control strategies*', M.Eng. thesis, Central Queensland University; James Goldston Faculty of Engineering.

**Abstract / Table of contents:**

**THESIS.S259 1**

Santoso, GK 2002, '*Evaluation of capacity reduction factors for the design of reinforced concrete structural elements : case study : Indonesia*', M. Eng. thesis, Central Queensland University; Faculty of Engineering & Physical Systems.

**Abstract / Table of contents:**

Project examines the inconsistencies in the provisions of the current Indonesian concrete code (SKSNI T-15) and the field practices in the main island of Java.

**THESIS.S6396 1**

Smith, NJC 2002, '*Aspects of seed germination and early growth in rainforest cabinet timber species*', M.App.Sci. thesis, Central Queensland University; School of Biological and Environmental Sciences.

**Abstract / Table of contents:**

1. Introduction -- 2. Comparative germination responses of 35 tropical and subtropical rainforest species -- 3. Alteration of solar radiation quality and quantity in a shadehouse to simulate natural shade for plants -- 4. Physiological responses of 20 cabinet timber species to solar radiation and spectral quality -- 5. Potential application of these findings to farm forestry.

**THESIS.T3995 1**

Taylor, WJ 2002, '*Factors affecting the adoption of internet technologies for community practise in a regional area*', PhD thesis, Central Queensland University; Faculty of Informatics and Communication.

**Abstract / Table of contents:**

This thesis addresses factors that affect the adoption of the Internet and computers in spatial communities for community practice. The application of Information Communication Technologies (ICT) in spatial geo-communities is a field of study within an emerging discipline of Community Informatics (CI). An area of investigation in CI, is a consideration of the models of technology diffusion and research methodologies that may have application and this is a major focus of this thesis.

**THESIS.W653 1**

Woodrow, C 2002, '*Living ethics in early childhood contexts : a critical study*', PhD thesis, Central Queensland University; Faculty of Education and Creative Arts.

**Abstract / Table of contents:**

"...This study reports a critical analysis of the lived experience of a group of early childhood leaders in a regional area of Australia as they come together to discuss the ethical dimensions of their workplaces."

**THESIS.Y44 1**

Yek, RAH 2002, '*An exploration of transient deficit hypothesis in Specific*

*Reading Disability*, M.A. thesis, Central Queensland University; School of Psychology and Sociology.

**Abstract / Table of contents:**

The focus of this study is to investigate the transient deficit hypothesis in relation to children who experience Specific Reading Disability (SRD).

**THESIS.S848 1**

Sun, YQ 2003, '*A wagon - track system dynamics model for the simulation of heavy haul railway transportation*', PhD thesis, Central Queensland University; Centre for Railway Engineering.

**Abstract / Table of contents:**

A three-dimensional wagon and track system dynamics (3D WTSD) model for predicting the lateral and vertical dynamics of the wagon running at constant speed on tangent track is reported in this thesis