



# **CU ABEN Graduate Degrees**

## **1913 – 1995**

**Part 1: Chronological Listing**

**Part 2: Alphabetical Listing**

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Prepared by J. Robert Cooke, Ruth Stanton and Sandy Bates

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# **CU ABEN Graduate Degrees 1913 – 1995**

(reverse order by year)

## **1996**

(partial year)

Camobreco, Vincent J. 1996. Enhanced Transport of Metals by Organic Solutes and Preferential Flow Paths M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Steenhuis, T.S.)

Lobo, Steven R. 1996. Characterization of Spatial Non-Uniformity in the Microwave Reheating of High Loss Foods M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Datta, A.K.)

Niu, Kian Teck 1996. A Semi-Empirical Three-Dimensional Stiffness Model for Metal-Clad Post-Frame Buildings Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Gebremedhin, K.G.)

Ruiz Morales, Mariana 1996. Analysis and Design Alternatives for the Rice Processing in Central Mexico M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Bartsch, J.A.)

Rynshaw, Ellen P. 1996. Factors Influencing Adoption of Soil Conservation Practices: A Case Study in the Venezuelan Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

Tsukuda, Scott M. 1996. Effects of Spray Tower Geometry and Operating Conditions on Gas Transfer M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Timmons, M.B.)

Weiler, Kirk William 1996. Capillary Barrier Effects on Moisture and Solute Movement in a Flood Plain Soil M.S. Thesis. Cornell University Library, Ithaca, NY 14853. )

Xin, Xiaodong 1996. Surface Flow and the Dispersion and Transport of Pollutants M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

**1995**

Bodnar, Marcin 1995. Preferential Transport of Pesticides and Chloride to Agricultural Tile Lines and their Fate in a Small Natural Stream M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Boll, Jan 1995. Methods and Tools for Sampling the Vadose Zone Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Boralessa, Manjula Roshan 1995. Determination of Proper Hydraulic Loading Rates for Land Application Systems M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Steenhuis, T.S.)

Both, Arend-Jan 1995. Dynamic Simulation of Supplemental Lighting for Greenhouse Hydroponic Lettuce Production Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Albright, L.D.)

Busia, Awa Bamba 1995. Investigating a Non Invasive Electromagnetic Induction (EM) Technique to Improve Soil and Water Quality Monitoring: Case of Lateritic Soils Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Haith, D.A.)

Chandler, David Glenn 1995. Wetting Front Instability in an Oil-Water System M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Griffin, Franklin R., III 1995. No Thesis M.S. (Special Master's Degree) Thesis. Cornell University Library, Ithaca, NY 14853. (Cooke, J.R.)

Howeler, Michael 1995. Gas Stripping as an In-Situ Product Removal Technique in the Acetone-Butanol-Ethanol Fermentation of Whey Permeate by *Clostridium acetobutylicum* P262 M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Hunter, J.B.)

Jevremovic, Dusica 1995. Wetting Front Instability in Layered Soils with Low Infiltration Rates M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Johnson, Kelly Ann 1995. Delineation of Critical Management Zones for Use in the New York City Watershed Project M.P.S. Project. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

Jozwiak, Zbigniew Boguslaw 1995. Ethylene Decomposition Initiated by Ultraviolet Radiation from Low Pressure Mercury Lamps--Kinetics Model

Predictions and Experimental Verification Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Bartsch, J.A.)

Kleitz, William W. 1995. Modular 8051-based Data Acquisition and Control Training System M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Aneshansley, D.J.)

Ko, Chin-Hong 1995. Area Specific Nitrification Rates of A Micro-Bead Filter M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Timmons, M.B.)

Liu, Meng-Chia (Ray) 1995. Assessment of Gas and Leachate Production From A Sanitary Landfill M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Haith, D.A.)

McKamey, Jeffrey R. 1995. Spreadsheet for Evaluation of Municipal Solid Waste Recycling--User's Manual M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Haith, D.A.)

Naban, Rosida 1995. Quality Changes of Cranberry (*Vaccinium macrocarpon* Ait.) with Different Freezing and Storage methods M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Bartsch, J.A.)

Phillips, John S. 1995. (none listed) M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. )

Robinson, Peter Merrill 1995. The History of Goinre: A 51 Hectare Gravity Irrigation System in the Sahel M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

Rothstein, Eric Lawrence 1995. Transport and Fate of Atrazine, Nutrients, and Ions in an On Farm Stream with Primary Sources from Tile Lines M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Rousseau, Alain N. 1995. A Computational Fluid Dynamics Study of Incomplete Air Mixing in a Model Slot-Ventilated Enclosure Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Albright, L.D.)

Wantuck, Richard L. 1995. M.P.S. Project. Cornell University Library, Ithaca, NY 14853. (Timmons, M.B.)

Wheeler, Eileen Fabian 1995. Nitrate Uptake and Plant Growth as Influenced by Light and Nitrate Nutrition Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Albright, L.D.)

**1994**

Baradas, Evangeline V. 1994. A Feasibility Study for an Inactive Municipal Landfill M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Haith, D.A.)

Bothwell, Michelle Kay 1994. Binding Kinetics of *Thermomonospora fusca* E3 and E5, and *Trichoderma reesei* CHBI Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Walker, L.P.)

Chandrasekaran, Murali 1994. Intracellular Ice Formation in Electroporated Aroostook Rye Leaf Protoplasts Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Pitt, R.E.)

DeBruin, Katherine A. 1994. A Computerized Tutorial for the INSTRON 4502 Materials Testing System M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Capps, S.G.)

Jeffs, Wayne S. 1994. The Cornell University Chemical Disposal Site Project: Groundwater Hydrology, Pollutant Transport and Groundwater Remediation M.P.S. Project. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Jiang, Chunsheng 1994. An Automatic Computer Vision System for Spray Deposit Analysis M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Derksen, R.C.)

Kamaludin, Sharani 1994. Assessment of Leachate and Gas Production for a Sanitary Landfill M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Haith, D.A.)

Lee, Timothy H. 1994. Electroporation Techniques Applied to Cryobiology M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Aneshansley, D.J.)

Pivetz, Bruce E. 1994. The Effect of Macropores on Biodegradation of Organic Chemicals During Preferential Transport Through Heterogeneous Soil Columns Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Raman, Dave Raj 1994. The Kinetics of Nitrate Uptake from Flowing Solutions by Rice: Influence of Pretreatment Nitrate Concentration and Irradiance Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Walker, L.P.)

Shalit, Gil 1994. Preferential Transport of Tracers, Nutrients and Herbicides to Drains in Well Structures Soils M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

van de Giesen, Nicholaas C. 1994. Agricultural Development of Wet Upland Valleys (Marais) in Rwanda Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

VanderGheynst, Jean S. 1994. Design and Process Analysis of a High Solids Aerated Static Bed M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Walker, L.P.)

Vinci, Brian J. 1994. Evaluation of Spraying Towers for Gas Exchange: I. Gas Phase Axial Dispersion in a Spray Tower; II. Gas Transfer in a Spray Tower: Model Verification M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Timmons, M.B.)

Zollweg, James A. 1994. Effective Use of Geographic Information Systems for Rainfall-Runoff Modelling Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

**1993**

Ali, Imad-Eldin 1993. M.P.S. Project. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Andreini, Marc S. 1993. The Management of Dambo Irrigation Systems in Zimbabwe Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Bischoff, Mariann 1993. Water Resource Development and Its Influence on Palestinian Women's Agricultural Work in the West Bank M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

Caraco, Deborah 1993. Effects of Global Warming on Agricultural Nonpoint Source Nutrients and Sediment M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Haith, D.A.)

Frank, Scott E. 1993. Design of a "Smart" Relative Humidity Sensor Utilizing a Backpropagation Artificial Neural Network M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Aneshansley, D.J.)

Goetz, Elaine Rawley 1993. Anaerobic Biogradation of Tetrachloromethane in a Thermophilic Attached Film Expanded Bed Reactor M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Jewell, W.J.)

Martin, John H. 1993. A Mathematical Model of the Autoheated Aerobic Sludge Digestion Process Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Haith, D.A.)

Mathieu, Felix 1993. M.P.S. Project. Cornell University Library, Ithaca, NY 14853. (Timmons, M.B.)

Nelson, Yarrow M. 1993. Methanotrophic Vinyl Chloride Biodegradation M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Jewell, W.J.)

Ochs, Elke 1993. Vision Control and Computer Simulation of a Robotic Grape Pruner M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Gunkel, W.W.)

Rymshaw, Ellen P. 1993. Effects of Manure Composting on Surface and Subsurface Waters--Characterization of Compost Leachate and Runoff M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

Smith, Connie 1993. Composting of Banana Waste in Costa Rica M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Walker, L.P.)

Surface, Jan Marie 1993. Constructed Wetlands for Municipal Solid-Waste Landfill Leachate Treatment M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Tan, Yih-Chi 1993. Analytical Solutions and Experimental Studies of Leakage Behavior on a Thin Leaky Aquifer Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Parlange, J.-Y.)

Traexler, Thomas J. 1993. The Design, Modeling and Construction of a Low Pressure, Rolling Seal, Stirling Engine for Developing Countries M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Gunkel, W.W.)



**1992**

Adre, Norberto 1992. Establishment of Desired Air Flow Patterns in Slotted Inlet Ventilation Enclosures Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Albright, L.D.)

Basnet, Kanchan 1992. Conjunctive Use of Ground and Surface Water for Irrigation: Case Study of an Irrigation System in the Terai of Nepal M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

Bell, Jennifer 1992. Project: Fast and Far-reaching Flow in Soil (a video) M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Steenhuis, T.S.)

Crohn, David Michael 1992. Modeling the Nitrogen Dynamics of Sludge-amended Forests Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Haith, D.A.)

Hudak, Minden Lee 1992. Assessment of Water Quality Impacts from an Urban Housing Development (with Heather McAdams) M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Haith, D.A.)

Koelsch, Richard K. 1992. Applications of Activity, Milk Progesterone, and Heart Rate Sensors for Dairy Reproduction Management Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Aneshansley, D.J.)

Liu, Yaping 1992. Hysteretic Nature of Water Content and Pressure in Fingered Flow in Unsaturated Sandy Soils Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

McAdams, Heather L. 1992. Assessment of Water Quality Impacts from an Urban Housing Development (with Minden Hudak) M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Haith, D.A.)

Miller, Malone 1992. M.P.S. Project. Cornell University Library, Ithaca, NY 14853. (Timmons, M.B.)

Moya, Tolentino B. 1992. Crop Diversification and Cropping Systems Flexibility in Two Philippine Rice-Based Irrigation Systems Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

Norman, David W. 1992. Electrohydraulic Robot Design and Control Methods for Mechanized Grapevine Pruning M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Gunkel, W.W.)

Sanford, William E. 1992. Hillslope Drainage: Theory and Application to Laboratory Experiments and Rock-Reed Filters Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Parlange, J.-Y.)

Saul, Susan 1992. The Effects of Initial Field Conditions and Sampling Methods of Solute Transport Through Soil M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Weeks, Nathan 1992. Project: Paper with M. B. Timmons entitled: Feasibility of Using Foam Fractionation for the Removal of Dissolved and Suspended Solids from Fish Culture Water M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Timmons, M.B.)

Xu, Bin 1992. An Automated, Vision-guided Teatcup Attachment System for Dairy Cows Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Aneshansley, D.J.)

**1991**

- Carter, Sean R. 1991. Low Temperature Biodegradation of Tetrachloroethylene in an Anaerobic Attached Film Process M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Jewell, W.J.)
- Chen, Shulin 1991. Theoretical and Experimental Investigation of Foam Separation Applied to Aquaculture Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Timmons, M.B.)
- Chu, Kung-Hui 1991. Treatment of Tetrachloroethylene/Trichloroethylene with an Anaerobic Attached Film Process M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Jewell, W.J.)
- Flanders, Kevin R. 1991. Estimating the Safe Yield of Groundwater Resources in the Northeastern United States M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Haith, D.A.)
- Guo, Fangjiang 1991. Automatic Control Technology for Vacuum Stability Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Ludington, D.C.)
- Inferreera, Jeffrey J. 1991. Feasibility Study of a Single Borehole Probe to Measure Groundwater Velocity and Direction M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Parlange, J.-Y.)
- Johnson, Robert L. 1991. Latent Groundwater Demand in Pakistan's Punjab: Theory and Applications Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)
- Krupp, Larry R. 1991. The Biodegradability of Modified Plastic Films in Controlled Biological Environments M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Jewell, W.J.)
- McGurk, William J. 1991. A Study of the Effects of Exhaust Gas Recirculation on Engine Roughness and Emissions in the Oldsmobile Quad4 Engine M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Gunkel, W.W.)
- Neuman, Robert Paul 1991. Measurement of Pore Volume Distributions of Cellulose in Packed Columns by Solute Exclusion Technique: Experimental and Theoretical Investigation Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Walker, L.P.)
- Raj, Chidambara (C.B. ) 1991. Protein Purification by Counteracting Chromatographic Electrophoresis (CACE) Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Hunter, J.B.)

Sagi, Zohar 1991. Detecting Spray Droplets on Leaves with Machine Vision and Image Processing M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Derksen, R.C.)

Scott, Christopher A. 1991. Local-State Collaboration for Himalayan Resource Rehabilitation: Engendering Equity in the Commons M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

Selker, John S. 1991. Unstable Wetting in Homogeneous Soils Under Continuous Infiltration Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Steiner, Roy Ahmad 1991. An Analysis of Water Distribution Strategies Using the Irrigation Land Management Simulation Model Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

Suzuki, Takashi 1991. Computer Simulation of Tractor Turning Behavior M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Rehkugler, G.E.)

Szalach, Joseph F. 1991. Evolution of the Mechanical Grape Shoot Positioner and Evaluation of the Viticultural and Economic Impact of Current, Improved Brush-Type Positioner M.P.S. Project. Cornell University Library, Ithaca, NY 14853. (Gunkel, W.W.)

Zollweg, James A. 1991. Design and Implementation of a Weir for Stream Flow Measurement M.P.S. Project. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

**1990**

- Ahmed, Irshad 1990. No Thesis M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Hunter, J.B.)
- Bailey, Nathaniel O. 1990. Solute Flux Into Porous Cup Samplers Near The Water Table Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)
- Cheng, Mingyan 1990. Computer Simulation Model for the Colorado Potato Bettle (*Leptinotarsa Decemlineata*) Populations Dynamics M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Shoemaker, C.A.)
- Crohn, David Michael 1990. A Stochastic Computer Model for Estimating Nitrate Contamination of Groundwater from Sewage-Sludge Applied to Forest Land M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Haith, D.A.)
- Crovella, Paul L. 1990. Engineering the Cascadilla Pedestrian/Bicycle Bridge M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Gebremedhin, K.G.)
- DelVecchio, Gregory M. 1990. The Influence of Variability of Pesticide Leaching Processes: A Monte Carlo Based Screening Procedure M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Haith, D.A.)
- Delwiche, Stephen R. 1990. The Influence of Water on the Near Infrared Spectra of Starch and Cellulose Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Pitt, R.E.)
- Feng, Yongxian 1990. Computer Control on Off-Road Vehicle Stability Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Rehkugler, G.E.)
- Finn, Todd W. 1990. Computerized Control of Milking Pulsation Rate Ratio and Measurement M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Aneshansley, D.J.)
- Gilbert, Michael H. 1990. A Proposed Method For Sizing Rapid Infiltration M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Haith, D.A.)
- Gupta, Rakesh 1990. Reliability Analysis of Semirigidly Connected Metal Plate Residential Wood Trusses Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Gebremedhin, K.G.)

Hagerman, James R. 1990. In Situ Measurement of Preferential Flow in a Coastal Plain Soil and in a Glacial Till Soil M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Higashino, Hideaki 1990. Loading Functions for Predicting Probability of Pesticide Runoff M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Haith, D.A.)

Massirer, Philip H. 1990. Effect of Input Data Detail on Nonpoint Source Modeling Results M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Haith, D.A.)

Nafziger, Dale Lee 1990. Impacts and Implications of Rural Electrification Ideology in Nepal's Domestic Sector Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Gunkel, W.W.)

Nicholson, Courtney C. 1990. Kinetics of Low Temperature Anaerobic Digestion M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Jewell, W.J.)

Pickering, Nigel Bruce 1990. Effects of salinity and irrigation stress on the production and water relations of *Vitis vinifera* L., var. Ribier grown in the tropics Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Pollock, John G. 1990. Perspective of New York Farm Safety Workplace Injuries and Worker Opinions M.P.S. Project. Cornell University Library, Ithaca, NY 14853. (Rehkugler, G.E.)

Raabe, Mark Edward 1990. THE SANITARIAN - An Expert System for Site Evaluation and Design of On-Site Sewage Disposal Systems M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Gunkel, W.W.)

Wu, Ray-Shyan 1990. Effects of Watershed Land Uses and Development on Water Supply Yields and Water Quality Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Haith, D.A.)

**1989**

- Andreini, Marc S. 1989. Preferential Flow under Conventional and Conservation Tillage M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)
- Berlow, Stacey, M. 1989. Computer Processing of Ultrasonic Images for Grading Beef M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Aneshansley, D.J.)
- Devoe, Dean E. 1989. The Influence of Celite Filtrate Waste on Soil Physical Properties M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Parlange, J.-Y.)
- Garcia-De Ceca, Jose L. 1989. A Decision Support System for the Management of Small Scale Agroforestry Systems M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Gebremedhin, K.G.)
- Guo, Fangjiang 1989. Milking Center Heat Recovery Optimization M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Ludington, D.C.)
- Li, Weiping 1989. Loading Function of Pesticide Runoff M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Haith, D.A.)
- Lin, Ta-Te 1989. Determination and Modeling of Osmometric Behavior of *Drosophila Melanogaster* Embryos Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Pitt, R.E.)
- Mercurio, Joseph F. 1989. Vision-Guided Robotic Grapevine Pruning Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Gunkel, W.W.)
- Novak, Suzanne 1989. Computer Control of a Greenhouse Pneumatic Heating And Ventilation System M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Albright, L.D.)
- Pierce, Robert T. 1989. An Investigation of the Distribution Pattern of a Vertical, Centrifugal, Granule Applicator for Applying Avitrol (R) Blackbird Repellent M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Gunkel, W.W.)
- Saunders, Dwight D. 1989. Quantitative Mixing Visualization in Two-Dimensional Airflow Using Aerosol Tracers and Digital Imaging Analysis M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Albright, L.D.)

Selker, John Steven 1989. Calibration of Daily Erosion Index and Precipitation Models M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Haith, D.A.)

Shaanan, Gideon 1989. Dynamac(TM) User's Manual: Software for Two-Dimensional Lagrangian Dynamics M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Cooke, J.R.)

Wensley, Christopher John 1989. Irrigation Rehabilitation: a Comparative Study of Physical Facilities and Hydraulic Conditions in Three Philippine Irrigation Systems Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)



**1988**

Cummings, Tara Elizabeth 1988. The Effect Of Urbanization On Reliability Of Surface Water Supply Fall Creek Watershed Reservoir Planning M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Haith, D.A.)

Glass, Robert J. 1988. Wetting Front Instability in Layered Unsaturated Porous Media Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

Lissik, Eve Ann 1988. Mechanisms Of Pathogen Transport Through The Teat Canal Of A Dairy Cow Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Scott, N.R.)

Norman, William Ray 1988. Irrigation Water Management In Small Systems of Niger, West Africa Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

Ottaway, William S. 1988. Mathematical Modeling and Computer-Aid Design and Analysis of Double Polytube Ventilation System M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Gebremedhin, K.G.)

Phillips, Donna Elaine Fennell 1988. Kinetic Phase Separation Of Thermophilic Anaerobic Digestion Of Sorghum M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Jewell, W.J.)

Reis Neto, Octavio 1988. Sprinkle - A Computer Program To Design Sprinkler Irrigation System For Vegetable Crop Production M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Walter, M.F.)

Ruhland, Christina Gwynith 1988. Design Of Retail Controlled Atmosphere Package M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Furry, R.B.)

Schafer, Mark 1988. Cheshire County, New Hampshire, Solid Waste Management Study, Design Project M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Guest, R.W.)

Shahin, Muhammad Afzal 1988. Design And Performance Of An Automatic Electro-Hydraulic Unit To Control The Depth Of Seed Placement As A

Function Of Soil Moisture M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Gunkel, W.W.)

Steiner, Roy Ahmad 1988. Operation Typologies For Gravity Irrigation Systems M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Walter, M.F.)

Vichaiya, Pattarachai 1988. An Application Program Used In The Prediction Of The Energy Demand And Refrigeration Hardware Of A Cold Storage M.Eng. Project. Cornell University, Department of Agricultural and Biological Engineering, Ithaca, NY 14853. (Bartsch, J.A.)

Yang, Wei-shih 1988. Mechanistic Analysis Of Nondestructive Pavement Deflection Data Ph.D. Thesis. Cornell University Library, Ithaca, NY 14853. (Irwin, L.H.)

**1987**

Adhikari, Babu Ram 1987. An Assessment Of Water Requirement For Flooded Rice Cultivation In The River Terraces Of Nepal And Its Implication Of Water Management M.S. Thesis. Cornell University Library, Ithaca, NY 14853. (Steenhuis, T.S.)

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