

CANADIAN RESOURCES FOR RURAL DEVELOPMENT

by

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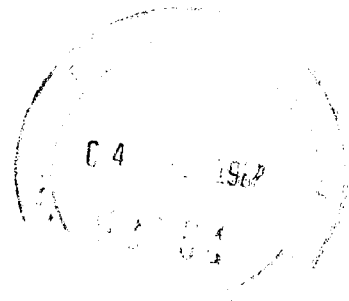
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Social Sciences Division

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## Table of Contents

### (Part I )

Introduction .....	1
Review of Universities .....	2
Selected Canadian Theses .....	37
Graduates & Theses:	
University of Alberta Department of Rural Economy .....	45
University of Guelph Department of Agricultural Economics ..	48
University of Manitoba Department of Agricultural Economics ..	50
Université Laval Département d'économie rurale .....	51
Students: Centre d'études en économie coopérative .....	53
Canadian Members of the International Association of Agricultural Economists .	54
Area Studies Conferences:	
Selected Papers .....	56
Students, Universities, Fields:	
CIDA Scholarships .....	62
Canadian University Projects with CIDA / NGO Division .....	74

(( Part II: Seperate Book ))

## CANADIAN RESOURCES FOR RURAL DEVELOPMENT

## Introduction

This report was initiated through discussions with the members of the Social Science Division's Economics and Rural Modernisation Unit. The objective of this review is to outline Canadian research activities with respect to the social and economic dimensions of rural and resource development in the Third World. This is of importance to the Division for its on-going programme and research development as well as for the Centre's Co-operative Programme.

The report is broken down into two main parts. The first is a review of the universities which gives contact persons in related departments: economics, agricultural and resource economics, anthropology, and to a lesser degree, sociology and geography. This part also contains lists of graduates and theses from the universities able to provide them, a selection of theses from Canadian universities obtained from the computer data bases, selected papers from meetings of the area associations, a general profile of the studies of students from developing countries funded by CIDA, and a profile of university involvement in development through CIDA's NGO programme.

This first part is not totally comprehensive. In light of difficulties in finding people during the summer months and the protracted postal strike, not all information requested in telephone interviews was obtained. This report does, however, provide a good basis for review of Canadian university involvement and orientation to research problems in the developing countries.

The second element of this report is a more precise evaluation of the universities. A computer search of the Dissertation Abstracts data base provided over 700 thesis titles produced in Canadian universities and a search of the Social Science Citation Index provided over 500 journal titles produced by Canadian based academics / researchers on relevant topics since 1977. On the basis of these searches an evaluation along quantitative lines as well as an analysis of content reveals the productivity and orientation of Canadian academic and research centres.

REVIEW OF THE UNIVERSITIES

## ACADIA UNIVERSITY

Wolfville, Nova Scotia  
Telephone: (902) 542-2201

Department of Economics

The key individual here is Dr. Rudy FFRENCH, an expert on fisheries, especially small-scale and inshore fisheries. His main interests are: impact studies on small fisheries, ports and harbour investment and development, and marketing of marine products.

While the main focus of his work is on Canadian artisanal fisheries, Dr. Ffrench is of Jamaican origin and has many contacts in the Caribbean.

His telephone: (902) 542-2201, extention 502.

Other personnel at Acadia:

Dr. M. TUGWELL, most recently working with the Caribbean Development Bank on models of development for the eastern Caribbean region's fisheries at the Cave Hill Centre, Barbados.

Dr. J.R. WINTER, is currently working on social and economic policies for Canadian small-scale fisheries.

## UNIVERSITY OF ALBERTA

Edmonton, Alberta, T6G 2J9

Telephone: 9 - 176 - 432-3111

Department of Rural Economy

This department is one of the country's strongest with a combined programme in agricultural economics, forest / resource economics, and rural sociology. A number of personnel have development experience or relevant expertise.

Contacts:

Dr. Mat LERHOL, Chairman: 432-4338.

Dr. Reginald NORBY, administrative officer: 432-4225.

Dr. L.P. APEDAILE, agricultural policy, expertise with rural development projects in Zambia and Nepal: 432-4580.

Dr. M.R. CARROL, forestry economics: 432-4178.

Dr. L. BAUER, farm management and production economics: 432-4178.

Dr. G.S. GILL, rural sociology, extension, with field work in Nigeria, Belize, Yemen, and the Dominican Republic: 432-

Dr. M.H. HAWKINS, marketing, business management, field experience in Indonesia: 432-4228.

Dr. H.C. LOVE, professor emeritus, production economics, experience in Ghana and Indonesia: 432-5277.

Dr. T.W. MANNING, natural resource economics: 432-3610.

Dr. T.A. PETERSEN, farm management and extension, Nigeria: 432-4711.

Dr. W.M. SCHULTZ, natural resource economics, production economics: 432-3222.

Dr. T.S. VEEMAN, agricultural development, natural resource economics, India: 432-5714.

\* A list of theses produced by this department is located in the appendix pp.

\*\* A list of graduates from the Third World is provided (with addresses) in the appendix pp.

## UNIVERSITY OF BRITISH COLUMBIA

Vancouver, B.C. V6T 1W5

Telephone: 9 - 175 - 9 - 288-2211

Department of Agricultural Economics

This is a small department. The highest degree given is at the Masters' level; a Ph.D. is given through the department of economics. In general, research is directed to Asia, Oceanana, and Latin America.

Contacts:

Dr. George KENNEDY is currently working on analysis of rural development policy in the Philippines with a colleague, Dr. R.R. BARICHELLO.

Dr. George WINTER is currently project leader of a rural development project in Sulawesi, Indonesia. He will be going to the University of Alberta as dean of Olds College sometime in the new year.

Dr. John GRAHAM is presently at the Institute of Applied Systems Analysis (Austria) and has development experience through Agriculture Canada.

Students:

Mr. Terrence ABEYSEKARA has recently returned to Ceylon having finished his M.Sc. His address is:

Agrarian Research Institute,  
P.O. Box 1522,  
114, Wijerama  
Mawatha, Colombo 7,  
SRI LANKA

A Ph.D. graduate, Dr. Ramon LOPEZ, a production economist is now with Agriculture Canada.

OTHER DEPARTMENTS

Contacts:

Department of Anthropology; Dr. Cyril BELSHAW is one of the better known international calibre economic anthropologists with field research primarily in Oceanana. His theoretical and methodological contributions are formidable. Telephone: 228-2228.

On the topic of social organisation of artisanal fisheries there are three

U.B.C. (continued)

contacts: Dr. Neil GUPPY; 228-3670, Dr. Martin SILVERMAN; 228-3651, and Dr. Patricia MARCHAK; 228-2541.

Department of Economics:

Dr. Yunshik CHANG, peasant farming, Korea.

Dr. Fernando TISSA, economic development, South Asia.

Dr. Blanca MURATORIA, peasants and development, South America

The university is the location of the Centre for Asian Research. Director, Dr. Terry MCGEE (228-6702). The general orientation of the centre is more to the humanities however there may be research on development as well. Requests for material from the centre were not received.

## CARLETON UNIVERSITY

Ottawa, Ontario

Telephone: 231-4321

The primary place of interest at Carleton University is the Norman Patterson Institute for International Affairs; a multi-disciplinary programme. Through the Centre the following contacts from various departments have been made:

Dr. Ted ENGLISH (Economics: 231-4377) has been working on the ASEAN countries complementation schemes aimed at specialisation and complementation of industrial production. He has worked on trade groupings and trade policy in Latin America through UNECLA (Chile) and was involved in researching economic development of the East African Community.

Dr. Archibald RITTER (Economics: 231-7508) is researching development of mineral resources (copper) in Latin America.

Dr. Steven LANGDON is an Africanist, specifically East Africa, who has worked on adjustment programmes in secondary industry and technology transfer and multi-nationals. He is well known to the Social Sciences Division.

Dr. Don WHYTE (Sociology / Anthropology: 231-6650) is a rural sociologist with experience in Latin America.

Carleton University has no formal links with institutions in developing countries. The Patterson Centre has programmes of academic exchange arranged through the office of Dr. D. FARR. Most of these exchanges have been with Tanzania and Nigeria.

This university is also the location of the Asian Studies Association (231-7490) and the African Studies Association (231-7182). These associations are predominantly composed of researchers in the humanities and their membership lists are out of date. Relevant items of the proceedings of these associations are located in the appendix, pp.

Dean Gilles PACQUETTE is chairman of the Canadian Economics Association, Membership list not available.

Dr. Wallace CLEMENT (Sociology: 231-7439) is a major figure Canadian political economy; has written an extensive work on mining and is currently researching fisheries. A good contact on resource development.

## CONCORDIA UNIVERSITY

Montréal, Québec

Telephone: 9 - 183 - 9 - 879-5995

Department of Economics

Contacts:

Chairman, Dr. B. SAHNI: 879-5995

Dr. J. AHMAD; has worked with the OECD and UN organisations on aspects of trade and development: 879-8096.

Dr. Eckhard SIGGEL, a graduate of the University of Toronto, thesis on transfer of industrial technology to Zaire included research on mining and agricultural processing technologies. Currently developing a planning model for the Zaire economy. An IDRC scholar; most recently involved in a Centre de recherches en développement économique project in the Ivory Coast. Has one student who studied the IDRC's role in the science and technology field.

\* A list of students and theses is forthcoming.

## DALHOUSIE UNIVERSITY

Halifax, Nova Scotia B3H 3E2

Telephone: 9 - 162 - 9 - 424-2211.

Dalhousie's main strength is in the area of fisheries research.

A group of contacts was made including:

Dr. Art HANSON, Director of the Institute for Resource and Environmental Studies (IRES): 424-3632. This institute along with the Ocean Studies Programme is involved in planning and development of fisheries in the Eastern Caribbean. Among those involved:

Dr. Edgar GOLD (Faculty of Law) is co-ordinator of research on the legal aspects of establishing 200-mile exclusive economic zones for the island states of the Eastern Caribbean.

Dr. Carl MITCHELL, a West Indian Canadian is co-ordinator of research, and involved in seeking funding and working with the island governments.

Dr. Elizabeth MANN-BORGESE has been running training seminars through the International Ocean Institute in Malta involving fisheries personnel from the Caribbean.

Dr. Lloyd DICKIE (now at the Bedford Institute of Oceanography) and Dr. Carl BOYD have a long standing involvement in Peruvian fisheries. Dr. Margaret CHAPMAN, Co-ordinator of the International Programme of IRES, spent two years recently in the upper Amazon studying artisanal fishing communities for her dissertation.

The Centre for Regional and International Programmes

Dr. Ian MCALLISTER (Economics: 4242039) is Director. The Centre is currently running a training project in Ghana and providing technical support to the Ghana Institute of Management and Public Administration, Achimota. Civil servants from Zimbabwe are also being trained at the Centre.

Among other personnel of note at the Centre is Dr. Charles O. OKIDI, a visiting senior fellow and director of a training programme in Marine Resources Management. Dr. Okidi has been a senior research fellow at the Institute for Development Studies, Nairobi.

Dalhousie (continued)

The Centre for African Studies, Dr. Tim SHAW (424-3814). This centre is oriented primarily to southern Africa in the humanities and history. There is, nevertheless, a pool of expertise here which may be of value in an indirect fashion.

8.

## UNIVERSITY OF GUELPH

Guelph, Ontario N1G 2W1

Telephone: 9 - 181 - 824-4120.

The University of Guelph is a strong agricultural school and the location of the Ontario Agricultural College. This university has been very active in researching problems of Ontario's agriculture as well as undertaking research in the Third World. Much of the research in developing countries has been on the technical side: apiculture in Kenya and Sri Lanka, with CIMMYT on triticales, with CIAT on cassava as well as veterinary research. The Centre for International Programmes acts as a co-ordinating unit for liaison with CIDA, IDRC, and other agencies. J.C. CAIRNS is Director.

Department of Agricultural Economics

Among those personnel with international development expertise are: Dr. Elmer MENZIE, who has worked extensively in Latin America and is chairman of the department.

Dr. Truman PHILLIPS, areas of research: marketing in Brazil, Africa, and the Philippines. Farmer level studies of the agronomics and economics of cassava production in Colombia, Brazil, Nigeria, and Thailand.

Dr. Larry MARTIN, marketing in India.

Dr. Willem van VUUREN, is currently working on a cost / benefit analysis of a development project in the Transkei.

School for Rural Planning and Development

This is a relatively new institute and is still in the process of developing programmes related to areas outside Canada. The director, Dr. Mark LAPPING, is eager to take steps in the direction of Third World related studies.

## UNIVERSITE LAVAL

Ville de Québec, Québec G1K 7P4

Telephone: 9 - 187 - 9 - 656-2131.

Département d'économie rurale

The department of rural economy is notable as the only francophone institution of its type in North America. This department is linked academically both to North American and French universities; especially through formal links with the Institut Agronomique Méditerranée (Montpellier).

Members of the academic staff with development expertise are:

Dr. Robert SAINT-LOUIS, (Director) who has worked on World Bank and CIDA projects in Africa. Main interests are in policy analysis, quantitative methods, and project evaluation. He has spent time in Chad, Mauritania, and Algeria. Dr. Saint-Louis did his doctoral research at the University of Wisconsin. Telephone: 656-3483.

Dr. Maurice CAREL, primary interests are in teaching, communications and methods of teaching agricultural development. He has worked in Upper Volta, Senegal and Haiti on transferring technology to farmers. (Ph.D. from Montpellier).

Dr. Paul TERRAUT, over 7 years experience in Africa through projects of the World Bank and CIDA. Major interests in project design and evaluation, primarily in Zaïre and Nigeria. (Ph.D., Stanford).

Dr. Gerard GHERSI, transformation of agriculture by agribusiness. Experience with World Bank and OECD projects (Ph.D., Montpellier).

Dr. Jean-Pierre WAMPACH, a macro-oriented economics interested in general planning. He has worked in Morocco and more recently on the Plan National de Développement in Rwanda.

- \* A large number of students from francophone countries have studied at Laval. A list of graduates and theses from the département d'économie rurale is located in the appendix: pp.

Included therein are students from Zaïre and Benin studying forestry economics.

Université Laval (continued)

Département d'anthropologie

Chairman, Dr. Ivan SIMONIS: 656-3985, -5867.

The orientation of this department is to studies in Latin America and the Caribbean.

An important contact on the subject of economic anthropological analysis of artisanal and small-scale fisheries is Dr. Yvan BRETON (656-3776). He has done extensive research in the Yucatan and Venezuelan fisheries and is well informed as to research in Canada and the north-eastern United States.

Département d'économie

There is little on development economics in the programme however, Dr. Hugh HAMILTON (656-3483) has a good deal of experience as a development economist with CIDA on projects in Peru and Haiti. He most recently completed an extensive economic study of El Salvador with Paul-Yves DENIS (Geography, 656-2457).

Groupe de recherche en économie de l'énergie is a research group oriented to the study of petroleum. Dr. Antoine AYOUB is an excellent contact on this topic.

11.

## UNIVERSITY OF MANITOBA

Winnipeg, Manitoba, R3T 2N2

Telephone: 9 - 161 - 9 - 474-8880.

Department of Agricultural Economics

Dr. Edward TYRCHNIEWICZ (Turk-ne-witz) is chairman of the department and secretary of the Canadian Agricultural Economists' Association. He has worked with CIDA on food aid evaluation and has done research in Tanzania, Bangladesh and Pakistan as well as taught in Argentina and Trinidad. His special interests are in grain marketing, transportation and he has undertaken micro-level studies.

Dr. Om TANGRI, main role is teaching courses on international agriculture and international development. Academic advisor to foreign students.

Dr. Charles FARMINGTON, experience with USAID in Thailand and in Pakistan on marketing. Micro-level studies of new rice technology in the Philippines.

Dr. Martin YEH, an econometrician, experience with UNECLA /Chile and most recently, development in Ethiopia.

Department of Anthropology:

A key contact here is Dr. Brian SCHWIMMER. Main interest is in small urban centres to stem migration and establish a better relationship between urban and rural sectors. Focus is on infrastructure investment in such areas.

Current research is on investment flows and mapping social organisation, locale: Bemenda, Cameroon. Working with Ajaga NJI, a rural sociologist at the Dschang University Centre, B.P. 110, Dschang.

A good contact in Cameroon is Paul NKWI, an anthropologist who sits on the General Delegation for Scientific and Technical Research (D.G.R.S.T.) in Yaoundé. This committee screens all research in the country.

Other individuals at Manitoba working on international development problems: Dr. Henry RIMPLE, (Economics), micro-level studies of migration, Kenya.

12.

University of Manitoba (continued)

Dr. Richard LOBDELL (Economics), historical economics and demography,  
Caribbean.

Dr. Hymie RUBENSTEIN (Anthropology) poverty issues, St. Vincent.

## MCGILL UNIVERSITY

845 Sherbrooke Street West,  
Montréal, Québec H3A 2T5  
Telephone: 9 - 183 - 9 - 392-4311

The central locus for social science research in development issues is the Centre for Developing Area Studies. This centre is a multi-disciplinary research institution composed of research groups from the social science departments as well as the Islamic Studies Department and the Communications Programme.

A range of activities are currently in progress: energy development in Brazil, agro-pastoral development in Africa, social change and economics in the Islamic states, the study of labour in developing areas, and in conjunction with the Centre de recherches caribes of the Université de Montréal; research on development in the Caribbean.

Contacts:

Dr. Thomas BRUNEAU (Political Science) is director and co-ordinator of research on energy development in South America (Brazil): 392-5321.

Dr. Thomas EISEMON (Education) is associate director. He has written on energy and science and technology in South America and Africa.

Department of Anthropology

This department is heavily oriented to development anthropology. Over half of its members have been involved in social and economic anthropological research development projects. Among them:

Dr. Dan ARONSON, a specialist on West Africa with extensive experience through USAID and the foundations: 392-5176.

Dr. Richard SALISBURY, a noted economic anthropologist whose work on New Guinea is a seminal theoretical study. Dr. Salisbury has turned his interests to the study of development problems in the Canadian north with the native peoples. He is director of the Programme in the Anthropology of Development: 392-8068.

Dr. Phillip SALZMAN is secretary of the Commission on Nomadic Peoples, an international network of scholars and development personnel concerned with the plight of nomadic peoples in the semi-arid areas: 392-5181.

Dr. John GALATY, pastoral development East Africa: 392-5181.  
He is also a key individual on the commission.

A visiting professor, Dr. Keith HART, has recently finished a major report for USAID, Commercialisation of Agriculture in West Africa. This is currently being published by Cambridge University Press: 392-5181.

#### Department of Economics

The key contact here is Dr. Myron FRANKMAN (also at the CDAS) whose main interest is in the study of migration and the informal sectors of developing countries.

#### Department of Geography

Dr. W. ARMSTRONG and Dr. Theodore HILLS are working on tourism in the Caribbean.

MacDonald College, Pointe Claire Québec: 9 - 183 - 9 -457-2000.

MacDonald College is the agricultural campus of McGill University.

This is a small college. The main external connection is to the Caribbean and to a lesser degree, Africa. A good contact is Dr. Lewis FISCHER, an authority on international agriculture and trade.

MCMASTER UNIVERSITY

Hamilton, Ontario L8S - 4L9

Telephone: 9-164-525-9140

Department of Anthropology

Dr. Mat COOPER; Pacific - Soloman Islands region, Economic anthropology. Brazil, urban migrants. Currently developing research on tourism and development in Portugal.

Dr. David COUNTS; Currently researching in Papua-New Guinea with a group of graduate students. Currently studying development of a new town in an area studied for some 15 years.

Dr. William RODMAN; Study of change and development of legal systems in newly independant Vanuatu (New Heberdies). His wife, Dr. Margaret RODMAN, is researching land use and copra production in the same area.

Dr. Harvey FEIT; Is a major figure in Canadian Northern Development issues. He has worked with the James Bay Cree for many years. Now writing a book on indigenous people in nation states.

A graduate student, Ms. Susan MCLELLAN is currently researching Malaysian women in factories, female labour migration and its effects on villages. Project of the University of Malaysia.

The Department is attempting to set up any M.A. program for students from Papua-New Guinea. Department of Economics

Dr. D. BUTTERWORTH, Chairman.

Dr. Byron SPENCER; Population economics and development planning.

Dr. James WILLIAMS; International trade and tariff protection.

- 2 -

Dr. Ativ KUBURSI, has worked with the UN on development planning in the Near East. Main focus is on technical change and agriculture and the study of price incentives. Two students are doing micro studies of farming in Bangladesh. One is funded by the IDRC, the other, by Ford Foundation.

Dr. Butterworth has promised a list of research topics but it is not available at this time.

Department of Geography

The key individual here is the eminent Dr. Harold WOOD, a well known researcher on Latin America.

## MEMORIAL UNIVERSITY

St. John's, Newfoundland

Telephone: 9 - 147 - 9 - 737-8000.

Memorial University is of interest primarily for its orientation to the study of fisheries and Northern development.

Contacts: Dr. William SCHRANK, fisheries economics: 737-8013.

Dr. Raoul ANDERSON (Anthropology) studies of fishing communities:  
737-8860 / 722-3192.

Dr. Peter SINCLAIR (Sociology) social organisation of fisheries:  
737-7456 / 726-2153.

Memorial University Fisheries College is oriented to training Canadian fisheries personnel however individuals from developing countries study there. The director is Dr. BARRET.

Institute for Social and Economic Research is concerned primarily with development problems in Canada. Director is Dr. Steve ANTLER: 737-8019.

## UNIVERSITE DE MONTREAL

C.P. 6128, Succursale A,  
Montréal, Québec H3C 3J7  
Telephone: 9 - 183 - 9 -343-6111

There are two institutes at the Université de Montréal concerned with development problems.

The Centre de Recherche en Développement Economique is an institute within the department of economics. Dr. André MARTENS is the director: 343-7390. His areas of speciality are development planning and international trade.

Other members of the department:

Dr. L. DUDLEY; international development, trade.

Dr. P. LASSERE; natural resource economics and microeconomic theory.

Dr. A. RENAULD; financial markets, development economics, and political economy.

This department is composed of some 30 professors and is cosmopolitan in its make up with a wide range of Canadian, European, and American PhDs.

- \* List of students and theses is included in appendix: pp.

#### Centre de Recherche Caribes

The focus of research has been on the French caribbean. Of late, in conjunction with the Centre for Developing Area Studies at McGill, there has been a growing interest in the entire Caribbean basin. The director is Serge LAROSE, 343-5926. The Centre has undertaken a large list of studies on economy, society, demographics, and politics. Researchers on various topics of interest may be contacted through the Centre.

## UNIVERSITY OF NEW BRUNSWICK

Fredericton, N.B. E3B 5A3

Telephone: 9 - 173 - 9-453-4666

Dr. Gail POOL (Anthropology) is a maritime anthropologist who works on fisheries economy and social organisation. He will be spending 1982 - 1983 working on agriculture and fisheries in Grenada with additional research on migration.

Dr. Donald MCIVER, dean of education has compiled a list of resource persons for Third World development. This list has been sent but not received at time of writing.

(U.N.B. is strong on forestry - this list should appear with the McIver package).

## UNIVERSITY OF OTTAWA

Ottawa, Ontario

Telephone: 231-3311

The Institute for International Co-operation is the key centre through which development-related activity takes place. This is a multi-disciplinary institute oriented to training students in aspects of international development; primarily project management. The Institute offers a post-B.A. certificate.

Contacts:

Professor Lawrence ALSCHULER (Political Science): 231-3353.

Professor CHOSSODOFSKI (Economics): 231-4251.

The University of Ottawa is also the headquarters of the Canadian Association of Latin American and Caribbean Studies. The secretary is Dr. Rolf WESCHE (Geography) currently working on the development of Amazona and problems in transportation.

## QUEEN'S UNIVERSITY

Kingston, Ontario K7L 3N6  
Telephone: 9 - 189 - 547-5511

Queen's University, in spite of its size and seniority in the Canadian university community, has produced relatively little in the area of development. The Economics Department is oriented mainly to macro-economics and developed economy problems.

Among those who have worked on the micro side in the Third World:

Dr. Dan USHER; a micro-economist who has worked in Thailand and Malaysia: 574-3046.

Dr. Barry RIDDEL (Geography) in West Africa on irrigation (Sierra Leone).

## UNIVERSITY OF SASKATCHEWAN

Saskatoon, Saskatchewan

Telephone: 9 - 166 - 9 - 343-2232

The department of agricultural economics has educated many African students, mainly from Tanzania. The principal contact there is Dr. Hartley FURTAN. His work is directed at problems in Canadian agriculture and he is currently working on a value of time model of some 600 family farms in the province. The focus is on modernisation and technical change. (This type of research model has been used extensively in the study of traditional agricultural systems).

Dr. Garey STOREY of the department is currently working on a marketing study in Lesotho.

## UNIVERSITE DE SHERBROOKE

Shebrooke, Québec J1K 2R1

Telephone: 9 - 159 - 9 - 565-5970

The Centre d'études en économie coopérative, is a teaching institution for training third-world students in the development and use of cooperatives. A staff teaching subjects such as economics, marketing, financial management, administration, law, and communications is instructing some 25 students from francophone Africa at this time. The director is Dr. Jean-Guy LATULIPPE (565-4561 / 4557).

\*\* A list of students is provided in the appendix, pp.

## SIMON FRAZER UNIVERSITY

Burnaby, British Columbia, V5A 1S6

Telephone: 9 - 175 - 9 - 291-3111

Social Sciences,

Contacts:

Dr. Mahmood KHAN (Economics) rural development, Pakistan. Most recent work: peasant perceptions of change and development (291-3508).

Dr. Kenji OKUDA (Economics) rural development planning. Currently writing a book on integrated rural development. Areas of field research: Indonesia and Pakistan.

Dr. Marylin GATES (Sociology) modernisation of peasant societies, peasant attitudes to development; Mexico and Central America.

Dr. Mary Lee STEARNES (Anthropology) socio-economic organisation of artisanal fisheries: Mediterranean and Pacific areas.

Dr. Bruce BARCHELOR, (Geography) management of small holdings, land tenure, land reform among peasant producers in the Andean region.

Institute of Fisheries Analysis is a multi-disciplinary research institute involving persons from economics, resource management, the social and "hard" sciences. The director is Dr. Parzival COPES (291-4893).

Other contacts at the Institute:

Dr. J.C. DAY (Director of the Natural Resources Management Programme). Evaluation of integrated river basin management efforts in the Americas, fisheries being a common component.

Dr. T.M. HEAPS (Economics) developments and applications of economic theory of natural resources and management.

Dr. L.N. MEREDITH (Business Administration) industrial and international marketing aspects of fisheries development.

Dr. I.R. WHITAKER (Anthropology) anthropology of fishing communities, consultant to Royal Commission on the Economic Prospects of Newfoundland, and consultant of the Department of Fisheries and Oceans.

## UNIVERSITY OF TORONTO

Toronto, Ontario M5A 1A1

Telephone: 9 - 186 - 9 - 978-2011

Department of Anthropology

Chairman: Professor M. KLIENDIENST (978-3294).

Dr. R. LEE, has a long standing interest in southern Africa, especially Botswana and many of his students have worked there on hunter-gatherer societies, labour migration, and agriculture. Among them Helga VARICH currently with ICRISAT in West Africa.

Dr. M. LEVIN; Nigeria and Cameroon, development issues.

Dr. G. SMITH; development and peasant agriculture, Peru.

Dr. M. LAMBEK; ethnology of East Africa.

Dr. S. NAGATA; economic development, Malaysia.

Dr. J. BODDY; development issues, Sudan.

Dr. R.W. SHIRLEY; legal anthropology and urban development issues, Brazil.

Department of Political Economy

Professor Gerald Helleiner (978-3338) is well known to the division. He has worked as a consultant on Africa; a macro-economist / political economy focus.

Dr. Stephen TRIANTIS (978-3345); is an experienced development economist who has worked on a range of issues over the years of which much was concerned with developing countries. Dr. TRIANTIS was senior advisor to the government of Greece on economic development and is an individual possessing extensive knowledge of this subject. In light of difficulties in making contacts at the University this summer, he offered to serve

(UNIVERSITY OF TORONTO CONT'D)

as a source of information on activities and personnel in this large department.

Department of Geography

Dr. J. BRITTON, chairman (978-3367).

## TRENT UNIVERSITY

Peterborough, Ontario. K9J 7B8

Telephone: 9 - 160 - 748-1011

Contacts:

Dr. John HILLMAN; structure of the tin industry, study of Bolivia, sociological perspective.

Dr. Bernard von GRAEVE (Anthropology) peasant craft production, artisanal skills and agrarian income; Ecuador.

Dr. Pradep BANDYOPADHYAY, planning models: studies of socialist planning, demography, agriculture in S.E. Asia and the East Bloc. Mathematical sociology.

Dr. B CHUA (Sociology) currently on sabbatical as director of the Singapore Ministry of Housing's research institute.

Trent has an interdisciplinary programme: the Comparative Development Programme. David MORRISON is chairman. He has researched institutional apparatuses in Tanzania and Zambia; of late planning to work in Peru.

## UNIVERSITY OF WESTERN ONTARIO

London, Ontario

Telephone: 9-168 - 9 - 679-2111

Department of Economics

There are two individuals in this department with development experience:

Dr. O. BLOMQUIST (chairman) and Dr. FREEDMAN have worked on social science evaluation of irrigation projects in Peshwar, Pakistan.

The university is affiliated with the Ontario co-operative programme in Latin America and the Caribbean which handles exchanges between Ontario universities and these areas.

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Contacts:

Dr. Leland DONALD (Anthropology) research on agricultural change in Sierra Leone; household and village level studies.

Dr. William ALKIRE (Anthropology) cultural ecology of small island systems in Micronesia.

The biology department has been connected to fisheries development in Fiji; technical support. Contact: Dr. John MCINENEY.

## UNIVERSITY OF WATERLOO

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Department of Economics

Dr. Carl BENNETT, chairman; a Jamaican, Dr. BENNETT has worked primarily on problems of the Jamaican economy, especially on the balance of payments.

Dr. Leonard FLETCHER, a Grenadan, has researched the development and role of voluntary associations (provident funds) in the Eastern Caribbean.

School of Urban and Regional Planning

Dr. Douglas HOFFMAN, director. Focus here is on environmental planning.

Contacts:

Dr. R.S. DOWNEY; ecologist who has worked for USAID on the evaluation of rural and urban ecosystems; mainly in South America, Brazil.

Dr. Mike LAZAROWICH; a rural sociologist, rural community development.

Dr. Douglas HOFFMAN, an agriculturalist, is working on problems of rural development and environmental characteristics.

Dr. John THEBERGE, park management, development of environmentally sensitive areas.

Of special note is Dr. GARTLER, who is currently working in Indonesia with the Ministry of Planning on the movement of people from densely populated urban areas to settlements in rural areas.

The University of Waterloo is well known for its computer science programme. Queries on this topic may well best be begun here.

## UNIVERSITY OF WINDSOR

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Department of Economics

Dr. John STRICK, Chairman. Government finance and economic regulation.  
Has worked in Guyana.

Dr. Bill PHILLIPS has served for 10 years as advisor to the President  
of Zambia. Most informed on resource development (copper).

Dr. Peter BENNEL, economic consultant to the government of Zambia.

Dr. Neil FORTUNE; has worked with IMF on research team projects in  
the Far East.

Dr. Rodger MENDELS; 2 years with the IMF and 1 year with the Asian  
Development Bank mainly on projects in Malaysia and Indochina. One  
of his former students is director of the office of the budget for  
Liberia. He has established a pipeline for students from Liberia to  
the department at Windsor.

Dr. Z. FALLENBUCHL; considerable experience with CIDA. Economic  
consultant to the government of Guyana: resource economics.

This department has long standing contacts with Guyana, Liberia, and  
Zambia. Many students from these countries have done degrees here.

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Department of Economics

Chairman, Dr MCKECHNIE: 667-2362.

Contacts:

Dr George DOXEY; economics of tourism in the Caribbean.

Centre for Research on Latin America and the Caribbean

Director: Dr Louis LEFEBER , Acting Director Dr Liisa NORTH: 667-3085.

This is a multi-disciplinary centre concerned primarily with research at the level of political economy but including other more specific or substantive research. Current project is to study migration among the Andean countries and from these countries to Canada and the U.S.A. CERLAC is discussing organisation with a group of Latin American universities and research institutions. Professor John BUTTRICK (Economics) is director of the project.

\* A list of publications and research is on file.

CANADIAN THESES: Rural Development and Related Issues.  
 (( Michigan Theses Abstracts Data Base ))

1. COOK, Christopher J. (Concordia University, 1980)  
 "The Impact of Commodity Price Distortions on the Development of the Agricultural Sector in Third World Countries: A Case Study of Columbia."
2. RIDLER, Neil B. (Simon Frazer University, 1973)  
 "The Relationship between Land Tenure Systems and Development Goals: A Study of the Columbian Palm Oil Industry."
3. RUTZ, Henry J. (McGill University, 1973)  
 "Local-Level Responses to Induced Economic Change in the Waidina Valley, Fiji: A Case Study in Anthropological Economics."
4. BARON, Lloyd T.Z. (McGill University, 1975)  
 "The Water Supply Constraint: An Evaluation of Irrigation Projects and Their Role in the Development of Afghanistan."
- 5.\* IGWE, Okay Cyril (University of British Columbia, 1976)  
 "Optimal Long-Term Development and Operation of Irrigation Systems with Storage under Hydrological Uncertainty."
6. WALKER, H.V.H. (University of Manitoba, 1964)  
 "Economies of Farm Size in the Carman Areas of Manitoba."
7. ROMALIS, Rochelle S. (McGill University, 1968)  
 "The Rural Economy and the Total Society During Economic Change in St. Lucia: A Case Study."
8. HEALEY, Robin P. (University of Toronto, 1976)  
 "Family and Social Change in a South Italian Town."
- 9.\* SHIMPO, Mitsuru (University of British Columbia, 1970)  
 "Economic Development and Social Change in Rural Japanta: Case Study of Shiwa Community, Iwate Prefecture."
10. SCHWIMMER, Erik G. (University of British Columbia, 1970)  
 "Exchange in the Social Structure of the Orokaiva: A Study of Traditional and Emergent Ideologies in the Northern District of Papua."
- 11.\* MA, Sen (University of British Columbia, 1978)  
 "The Rural People's Communes in Shandong Province, 1958 - 1965: A Model of Social and Economic Development."
- 12.\* LIN, Tsong-Yuan (University of Toronto, 1978)  
 "Social Organisation and Socio-economic Change in Northeast Japan."
- 13.\* IP, David Fu-Keung (University of British Columbia, 1979)  
 "The Design of Rural Development: Experiences from South China 1949 - 1976."
14. BAKKER, Johannes I. (University of Toronto, 1979)  
 "Patrimonialism, Imperialism and Underdevelopment in Java: A Comparative Analysis of the Cultivation System, 1830 - 1870."
- 15.\* SIRISENA, Tilakaratne Arachchigne Don (Queen's University, 1968)  
 "Foreign Trade Policy in Less Developed Countries : A Theoretical Analysis of the Foreign Trade Policy of Ceylon."

- 16.\* WORRELL, Rupert DeLisle (McGill University, 1975)  
"The Theory of Optimal Foreign Exchange Reserves in a Developing Country (with Empirical Application to the Economy of Jamaica)."
- 17.\* JOE, Hollis L. T. (University of Toronto, 1977)  
"Occupational Selection in the Third World: Trinidad as a Case Study."
- 18.\* OTCHERE, Danny K. (McGill University, 1972)  
"The Reserve Holding Behaviour of Developing Countries."
- 19.\* OKOKO, Kimse Amaebi Biye (Carleton University, 1978)  
"Socialism and Self-Reliance in a Developing Country: The Tanzanian Experience, 1967 - 1972."
- 20.\* NWACHUKU, Chukuma Echebiri (University of Waterloo, 1980)  
"Intermediate Technology in a Developing Country: Agricultural Tools as Components of a Man-Machine-Environment System."
- 21.\* INNES, Frank Cecil (McGill University, 1967)  
"Plantation and Peasant Farm: A Vertical Theme in the Historical Geography of Barbados, 1627 - 1960."
22. SKELDON, Ronald (University of Toronto, 1974)  
"Migration in Peasant Societies: The Example of Cuzco, Peru."
23. PITBLADO, John Roger (University of Toronto, 1975)  
"Land Capability and Land Tenure: Problems and Prospects for Agricultural Development in the North Mkata Plain, Tanzania."
24. STEEVES, Jeffrey S. (University of Toronto, 1975)  
"The Politics and Administration of Agricultural Development in Kenya: The Kenya Tea Development Authority."
- 25.\* OLAYEMI, Joseph Kayode (McGill University, 1971)  
"Peasant Cocoa Production in Western Nigeria: An Economic Analysis."
26. BUECHLER, Judith-Maria (McGill University, 1972)  
"Peasant Marketing and Social Revolution in the State of La Paz, Bolivia."
27. SCHRAYER, Franz Jozef (McGill University, 1974)  
"Social Conflict in A Mexican Peasant Community. (A Case Study of Politics in a "Municipio" of Northern Hidalgo)."
28. HALE, Sylvia Marion (University of British Columbia, 1976)  
"Decision Processes in Rural Development."
29. KURIAN, N. John (University of Western Ontario, 1977)  
"Behaviour under Uncertainty and Public Policies in Peasant Agriculture: Applications of Economic Theory of Uncertainty."
30. SAMMY, Ralph Victor Allen (University of Western Ontario, 1977)  
"Survival Strategies among Domestic Pure Peasant Farmers in St. Patrick County, Trinidad."
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"Some Aspects of Peasant Behaviour in Bengal, 1890 - 1914: A Neo-Classical Analysis."

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"The Agricultural Sector in the Economic Development of Iran."
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"Bureaucracy's Role in Rural Development in Nigeria: The Experience of Bendel State."
- 34.\* NG'ETHE, J. Njuguna (Carleton University, 1979)  
"Harambee and Development Participation in Kenya: The Politics of Peasants and Elites Interaction with Particular Reference to Harambee Projects in Kiambu District."
35. RAY, Donald Iain (University of Toronto, 1980)  
"Administering Rural Development: The Role of Settlement Schemes in Zambia."
- 36.\* HABIB, Mohammed Ahsan (McMaster University, 1980)  
"Optimal Research, Induced Innovation, and Agricultural Development: An Application to Bangladesh."
37. DUFOURNAUD, Christian Michel (University of Toronto, 1980)  
"The Lower Mekong Basin Scheme: The Political and Economic Opportunity Costs of Co-operative and Sovereign Development Strategies 1957 - 2000."
- 38.\* CHIBAYE, Chibwe (Carleton University, 1979)  
"Statutory Agricultural Marketing Boards and the Development of Agriculture in Zambia: A Case Study in Development Administration."
- 39.\* ALAM, Muhammad Mustafa (University of British Columbia, 1980)  
"Problems of Size-Tenure Structure in Bangladesh Agriculture and Prospects of a Land Reform Programme in Developing the Rural Economy of the Country."

Canadian Theses: Rural development. (( Devsis Computer File ))

1. KURANCHIE, P.A.  
 "Optimum strategies for increased crop production and farm incomes in the Upper Region of Ghana with special reference to cowpea."  
 University of Alberta, 1979; 234 p.
2. ODIMUKO, C.L.  
 "Rural-urban migration, remittances, and development in Southeastern Nigeria."  
 Queen's University, 1978; 240 p.
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 "Contradictions in development: a study of the sugar industry in Trinidad."  
 York University, 1976; 146 p.
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 Carleton University, 1977; 316 p.
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 "Economic analysis of the role of primary credit co-operatives in agricultural development: a case study in Andhra Pradesh, India."  
 University of Alberta, 1976; 166 p.
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 "The impact of technology on agriculture: a study of the mechanisation of Guyana's rice industry."  
 University of Alberta, 1978; 311 p.
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 "An evaluation of the risk and uncertainty affecting representative farms in the Caqueza project, Columbia."  
 University of Guelph, 1978; 159 p.
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 "The marketing of pork wholesaling in Bangkok."  
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 "Production costs and returns for rice farms in Central Taiwan, 1895 - 1976: analyses of the structural changes."  
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"An economic analysis of manufacturing and distribution activities in the farm machinery industry of the Philippines."  
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"The political economy of peripheral development: a case study of the Volta Region ( Ghana ) since 1920."  
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McGill University, 1975; 313 p.
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"A village in the Central Plain of Thailand: a cultural-anthropological research."  
\* Rijksuniversiteit, Utrecht, NL, 1978; 168 p. ((in Dutch))
17. RAMBOUSEK, W.H.  
"Indian agriculture between isolation and integration: a theoretical review and an analysis of the economic and social geography of four villages in South India."  
\* Universitaet Zuerich, CH, 1978; 200 p. ((in English))
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"The importance of transfer pricing: a microeconomic theory of multi-national behaviour under trade barriers."  
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Université du Québec à Montréal, (Editions Naaman) 1978; 244 p.

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Université de Sherbrooke, 1977; 187 p.

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University of Western Ontario, 1975; 87 p.

1. LEROUX, Marcel (McGill University, 1977)  
"L'intégration socio-économique de la cote et de la sierra peruvienne:  
1920 - 1968." ((Socio-economic integration of the coast and sierra of  
Peru.))
2. SHROEDER, Dennis William (Carleton University, 1977)  
"Rural development in Tanzania, the Significance of Villagisation."
3. ANOKI, Rene Okitundu (Université de Sherbrooke, 1977)  
"Une option agricole pour le développement économique du Zaïre."  
((An agricultural option for the economic development of Zaire.))
4. BAHER, H. (Concordia University, 1977)  
"Planning the Strategic Growth Agents in the Process of Development:  
An Econometric Approach to the Case of Iran."
5. BOBE, Augustino Yelemia (University of Alberta, 1976)  
"Income Distribution in Malawi."
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"Social Change in Kuwait: Tradition and Affluance."
7. JORGENSEN, Jan Jelmert (McGill University, 1977)  
"Structural Dependence and Economic Nationalism in Uganda, 1888 - 1974."

4.

GRADUATES OF DEPARTMENT OF RURAL ECONOMY, UNIVERSITY OF ALBERTA.

Showing thesis title, year of completion, name and address (if available).

"Agriculture in Indian Economic Planning," 1967: VENKATESWARLU, Tadiboyina.

"Land Reform Programme for Ethiopia," 1968: BEZZABEH, Mulugetta.

"Methods of Revising Input-Output Matrix Predictions with Reference to the Economy of Alberta," 1970: FAZEL, Hassan. Department of Statistics, University of Dar-Es-Salaam, P.O.Box 3547, Dar-es-Salaam, Tanzania.

"Economic Appraisal of Fertiliser Use in Ethiopia," 1972: TECLE-MEDHIN, Getachew. College of Agriculture, P.O. Box 138, Dise Dawa, Ethiopia.

"Analysis of Seasonal Variation in Prices of Livestock," WEI, Anna Sum-Yin. 1973.

"The Incidence of Rural Property Taxation in Alberta," 1974: ASANTE, Edward O. Ghana Institute of Management and Public Administration, P.O.Box 50, Achimoto, Ghana.

"Economic Analysis of Retail Prices of Cereal Grains in Nepal," 1974: MATHEMA, Pushpa. 505 Ombhal, Kathmandu - 5, Nepal.

"Regression Model for Water Use Analysis," 1975: CHAUDHARY, Nabi.

"The Surface Mining of Agricultural Land: An Economic Case Study of Environmental Change," PEI, Charles Chung-Ming, 1975.

"Income Distribution in Malawi," 1976: BOBE, Augustine Y. Nkutu Village, P.A. Dembeke, Depza, Malawi.

"Performance and Impact of an Alfalfa Processing Plant," 1976: BUSINGYE, Elijah K. Ministry of Agriculture and Forestry, C/O Box 102, Entebbe, Uganda.

"The Contribution of Plantation Agriculture to the Economic Development of Guyana," 1976: RAMPERSAUD, Joseph. Federal Business Development Bank, Head Office, 2nd Floor, 901 Victoria Square, Montréal, Québec.

"An Analysis of the Demand for Cocoa in Canada and in the U.S., 1950-1972," 1976: SACEY, Nicholas. C/O Mr Issac Obeng, P.O.Box 1459, Accra, Ghana.

"The Demand for Cotton: U.S.A.," 1976: SERUNJOGI, Fulgentio. Ministry of Agriculture and Co-operatives, P.O. Box 102, Entebbe, Uganda.

"Water and Agricultural Development in Ethiopia: An Economic Analysis of Potential Returns to Public Investment in Agricultural Water Projects," 1976: TEKLEMARIAM, Yilma.

University of Alberta: Rural Economy Theses (continued).

"The Influence of Irrigation and the Railroad on the Settlement of Southern Alberta" 1977: ASANTE-KWATIA, David C. Faculty of Agriculture, University of Science and Technology, Kumasi, Ghana.

"Smallholder Tea Development in Tanzania," 1977: DUKAGILE, Sospeter R.K. Box 2066, Dar-Es-Salaam, Tanzania.

"The Consumer and Meat Specials," 1977: CAREW, Richard. CARDI, U.W.I., Cave Hill Campus, P.O. Box 64, Barbados, W.I.

"Economic Analysis of Energy Use in the Modernisation of Indian Agriculture," 1977: MISHRA, Jai P. Agricultural Banking Department, State Bank of India, Kanpur, L.H.O. (U.P.) India.

"An Economic Output and Pricing Policy for Service Co-operatives: A Case Study of Alberta Co-operative Seed Cleaning Plants," 1978: AHIMBISIBWE, J. Department of Agricultural Economics, University of Nairobi, P.O. Box 29053, Nairobi, Kenya.

"Agricultural Diversification for Cotton Growing Areas in Uganda," 1978: KAGGWA, Andrew J. P.O. Box 15209, Kibuye, Kampala, Uganda.

"Econometric Analysis of the Supply of Cotton in Uganda: A Case Study of Six Cotton Zones," 1978: MUKASA-MAYANJA, George W. Box 102, Ministry of Agriculture, Entebbe, Uganda.

"The Determinants of Investment Demand for Farm Credit in Canada, 1950 - 1975: An Econometric Approach," 1978: THOMPSON, Daniel T. Box 01291, X'Borg, Accra, Ghana.

"Canadian Import Patterns from the Developing Countries," 1978: WILSON, William Robert.

"Optimum Strategies for Increased Crop Production and Farm Incomes in the Upper Region of Ghana with Special Reference to Cowpeas," 1979: KURANCHIE, Percival. P.O. Box M20, Accra, Ghana.

"Alberta Grazing Associations: A Study of Public Resource Utilisation," 1979: TOMA, D.M.

"Asian Cropping Systems Research: Micro-Economic Evaluation Procedures," 1980: BANTA, Gordon Roy. I.D.R.C., R.E.L.C. Building, 30 Orange Grove Road, Singapore.

"Production Relationships in the Atlantic Groundfish Industry: An Economic Analysis," 1980 CROZIER, Thomas Ross.

"Market Efficiency in Kenya: A Study of the Marketing System for Fruits and Vegetables," 1980: GATERE, Kareko. Department of Agricultural Economics, University of Nairobi, Kenya.

"The Demand for Coffee in North America," 1980: HYUHA, Theodora S. Department of Economics, Bayero University, P.M.B. 3011, Kano, Nigeria.

University of Alberta: Rural Economy Theses (continued)

"An Economic Analysis of Kenya's Sugar Industry with Special Reference to the Self-Sufficiency Production Policy," 1980: MBOGOH, Steven Gichovi. Department of Agricultural Economics, University of Nairobi, P.O. Box 29053, Nairobi, Kenya.

"Impact of H.Y.V. pm Rice Farming in Indonesia," 1980: TJATERA, Wayan. 18 Jalan Ratna, Penpasar, Bali, Indonesia.

DEPARTMENT OF AGRICULTURAL ECONOMICS, UNIVERSITY OF GUELPH:  
GRADUATES' THESES.

"Adaptive Intertemporal Equilibrium Models for Policy Planning and Review," 1972: SAVU, Joseph. (Fiji).

"An Econometric Analysis of the Supply of and Demand for Sugar in Canada," 1973: MOHAMMAD, Ghiasudeen (Jamaica).

"Regional Agricultural Planning in Guyana: A Mathematical Programming Approach," 1973: DUKHIA, John (Guyana).

"A Linear Programming Model for Evaluating the Capital Requirements of Small Crop Farms in Trinidad," 1973: JOB, Morgan (Trinidad).

"A Multi-period Programming Model for an Economic Evaluation of Cocoa-Oil Palm Farm Settlement Holding in Nigeria," 1974: Nwachukwu, Steve. (Nigeria).

"Factors Affecting the Establishment of Viable Economic Farms in the Wauna Area of Guyana," 1974: GURPERSAUD, A. (Guyana).

"Identification and Evaluation of Factors Facilitating or Impeding the Establishment of Viable Economic Farm Types on Arable Farm Settlements in Western Nigeria," 1974: RABIU, Modiu (Nigeria).

"A Mathematical Programming Model for Optimal Small Farm Organisation in St. Vincent," 1975: DANIEL, Godwin (St. Lucia).

"A Study of Personnel Management Practices and Problems on Ontario Dairy Farms," 1976: OKYERE, Willie (Ghana).

"An Economic Analysis of the Integrated Development and Management of Bottomlands (Basfonds) and Associated Uplands in the High Forest Area of Western Nigeria," 1976: SONOLA, Samson (Nigeria).

"Structural Development in Latin America," 1977: LEAL, Gaston (Chile).

"An Analysis of Economic and Family Viability of Limited Resource Farmers Unreceptive to Farm Improvements," 1977: MORTON-GITTENS, Kathy (Trinidad).

"An Analysis of the Ontario Corn Herbicide Market with Particular Reference to Farmer Buying Behaviour and Decision-making," 1977: VINCENT, Albert (Trinidad).

"An Evaluation of the Risk and Uncertainty Affecting Representative Farms in the Caqueza Project, Colombia," 1979: GUTIERREZ, German (Colombia).

"Economics of a Milk Transportation Firm," 1980: ANANDAJAYASEKERAM, A. (Sri Lanka working in Tanzania).

Department of Agricultural Economics, Graduate Theses, Guelph University (cont.)

"The Evaluation of New Non-Coffee Technologies in Marginal Coffee Regions of Colombia," 1980: STABILE, Martin (Argentina - working in Haiti).

GRADUATES OF DEPARTMENT OF AGRICULTURAL ECONOMICS AND FARM MANAGEMENT,  
UNIVERSITY OF MANITOBA.

"Aggregate Versus Disaggregate Acreage Supply Response Models for  
Prarie Wheat and Barley," 1972: ANIM-APPIAH, J. University of Ghana.

"Estimation of Demand for Wildlife Recreation in Southwestern Manitoba,"  
1972: PAKDEY, R.K. Indian Agricultural Statistical Research Institute,  
New Delhi.

"Recursive Programming Analysis of Prarie Land Utilisation Patterns,"  
1972: SAHI, R.K. Environment Canada, Ottawa.

"Cocoa Price Formation and the Prospects of its Stabilisation," 1974:  
ANDAH, E.N.K.I. University of Ghana.

"Goals and Aspirations and the Low Income Farm Problem," 1976: PEMBERTON,  
C.A.R. University of the West Indies, Trinidad, W.I.

"Evaluation of Manpower Training Programmes: The Interlake Manpower  
Corps," 1977: FERNANDEZ, M.A. Panama.

"A Model to Determine the Impact of Improved Agricultural Efficiency in  
Manitoba," 1978: AHMAD, B. University of Faisalabad, Pakistan.

"Agricultural Drainage Development: A Simulation Approach for Public  
Expenditure Decisions," 1979: SINGH, R.H. University of the West  
Indies, Trinidad.

Graduate Theses: Faculté des Sciences de l'Agriculture et de l'Alimentation, Université Laval. -

"Perspectives de développement de l'Economie Dahoméenne face aux contraintes de la balance des paiements," 1974: GBEGBELEGBE, Patrice Dofonsou.

"La Mise en marché du maïs au Dahomey: Essai de formulation de solutions susceptibles d'améliorer les structures de la commercialisation," 1975: MIDINGOYI, Soule.

"La spécialisation des productions agricoles dans la communauté économique des Etats de l'Afrique de l'Ouest," 1976 BAOUAR, Firmin.

"Hybridation et économie de la production porcine au Canada," 1976: TOUZE, Yves.

"Proposition d'une méthode de Gestion Technico-économique par objectifs des troupeaux bovins laitiers," 1976: TOUZE, M.H.

"Résorption du déficit céréalier du Sénégal: Voies et moyens," 1977: DIONE, Josué.

"Stratégies d'adaptation des exploitations agricoles du Sénégal au progrès technologique. Cas du terroir de Toubé Bane," 1977: SIDIBE, Hamadou.

"La comptabilité Gestion par Objectifs: Un système d'information au service de la Gestion," 1977: MORISSETTE, Réjean.

"Exploration systémique d'un organisme régional de développement: l'ORD de BOBO-DIOULASSO en Haute-Volta," 1978: BELEM, Kabare Amade.

"Intégration économique et développement agricole en Afrique: Le cas de la Communauté économique de l'Afrique de l'Ouest (C.E.A.O.)," 1978: AOUEDRI, Allou Pierre.

"Effets de la productivité, des prix des produits agricoles et des prix des intrants sur le revenu agricole par agriculteur, Canada et régions, 1951 - 1974," 1979: OUSMANE, Guindo.

Theses currently being written:

"Le stockage traditionnel des céréales au niveau des paysans au Niger," AUDETTE, Raymond.

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"Les possibilités du maraîchage traditionnel de Bas-Fonds dans le terroir de GOT: vers une autre politique des cultures horticoles au Sénégal," SALL, Samba.

Graduate Theses: Faculté des Sciences de l'Agriculture et de  
l'Alimentation, Université Laval (continued).

"Stagnation de l'agriculture et des politiques vivrières au Gabon  
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"Etude de la possibilité d'un équilibre vivrier au Niger," ALASSANE,  
Morou.

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Université de Sherbrooke

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AKPAKI Kokou	TOGO
ATANGANA Dicudonné	CAMEROUN
BISHOBORA Graticien	RWANDA
BULAMBO-wa-TOMBO Y'Ileke	ZAIRE
DIAGNE Assane	SENEGAL
DOUGOUNE Bakary	MALI
EKOUE Akouete	TOGO
KANE Birane	SENEGAL
KANKINDI Philomène (Mlle)	RWANDA
KARAMA Ali Ouabougoué	HAUTE-VOLTA
MBONABUCYA Stanislas	RWANDA
MOULOUNDA Paul	CONGO
NAJEM Abdeladim	MAROC
NDARO Pascasie (Mlle)	BURUNDI
NDIAYE Chérif Younouss	SENEGAL
NDIFFO Maurice	CAMEROUN
NGOSSOKO Tite	CONGO
NGWIJE Evariste	RWANDA
NIYONKURU Sixte	BURUNDI
NSIANGANI-wa-NSIANGANI	ZAIRE
TALL Babacar	SENEGAL
TRAORE Moulaye	MALI
YEBE Lucien	BENIN
YENE Ernest	CAMEROUN
NIMPAGARITSE, Cyrille	BURUNDI

Canadian Academic Members of the I.A.A.E. Listed by University

(( Source: June 1978 Members List ))

I. University of Alberta,

Department of Agricultural Economics and Rural Sociology,  
Edmonton

1. APEDAILE, Peter
2. HAWKINS, Murray H.
3. RICHTER, Joseph J.
4. SACKY, Nicholas E.
5. SCHULTZ, Wolfgang M.

II. University of British Columbia

Department of Agricultural Economics,  
Vancouver

1. BARICHELLO, Richard R.

III. University of Guelph

1. BALL, Gordon A.  
(Associate Dean, Ontario Agricultural College)
2. MAIMBO, Fabian J.M.  
(School of Agricultural Education)
3. WARLER, T.K.  
(School of Agricultural Economics and Agricultural Extension)
4. WRIGHT, Philip A.  
(School of Agricultural Economics and Agricultural Extension)

IV. University of Manitoba

Department of Agricultural Economics and Farm Management, Winnipeg.

1. BEATON, Norman J.
2. CAMPBELL, D.R.  
(President of the university)
3. FRAMINGHAM, Chas. F.
4. STELMASCHUK, Paul
5. TANGRI, Om
6. TRYCHNIEWICZ, Edward W.  
(Chairman and Secretary of Canadian Ag. Econ. Assn.)
7. YEH, Martin

((Canadian Academic Members of the I.A.A.E. Listed by University, continued)))

V. UNIVERSITE LAVAL

Département d'économie rurale,  
Québec

1. WAMPACH, Jean-Pierre

VI. University of Saskatchewan,

Department of Agricultural Economics, Regina / Saskatoon.

1. BOAN, J.A.  
(Regina Campus)
2. BROWN, J.A.  
(Saskatoon Campus)
3. DEVINE, D.G.  
(Saskatoon Campus)
4. FURTAN, Wm. H.  
(Saskatoon Campus)
5. KULSHERSHTA, S.N.  
(Saskatoon Campus)
6. NAGY, Joseph G.  
(Saskatoon Campus)
7. THAIR, P.J.  
(Saskatoon Campus)

VII. Simon Frazer University

Department of Economics and Commerce,  
Burnaby

1. KHAN, Mahmood Hasan

VIII. OTHER UNIVERSITIES

1. QUIRION, Rev. J.M.  
(Dean of Arts, Ottawa University)
  2. MAC KENZIE, Wm.  
(Department of Economics, McMaster University, Hamilton)
-

## CCSEAS Programme, 1979 "DEVELOPMENT."

Names, affiliations, and papers given at the meeting of interest to the economics programme:

1. TEPPER, Elliot (Political Science, Carleton University)  
"Canadian Perspectives in Social Science Research on Southeast Asia."
2. \* KOENTIJARANIGRAT, (Anthropology, University of Indonesia)  
"Changing Cultural Value Orientation in Peasant Communities."
3. \* BARKER, Randolph (Agricultural Economics, Cornell University)  
"Trends in Labour Utilisation and Productivity in Asian Rice."
4. \* HAYAMI, Yujiro (Agricultural Economics, Metropolitan University, Tokyo)  
"Reports on Village Studies in the Philippines and Indonesia."
5. \* CORDOVA, Violetta (I.R.R.I., Los Banos, Philippines)  
"New Rice Technology and Labour Use in Laguna Villages, Philippines, 1966-78."
6. \* MUBYARTO, (Economics, Gadjah Mada University, Jogjakarta)  
"Agricultural Policy and Income Distribution in Rural Central Java."
7. \* BOSE, Swadesh (Economic Development Department, World Bank)  
"Has Economic Growth Immiserised the Rural Poor in Indonesia: Evidence from Employment and Wages."
8. \* McCAWLEY, Peter (Economics, A.N.U.)  
"Rural Development and Public Spending: Rural Electrification in Indonesia."
9. \* SHAMSUL-BAHRIN, Tunku (Geography, University of Malaya)  
"Land Settlement Planning in Southeast Asia: Past Experience and Future Prospects."
10. \* SUNDARAM, Jomo Kwame (Economics, University of Kebangsaan, Malaysia)  
"Malaysia's Green Revolution: Capital Accumulation and Technological Change in Peasant Society."
11. \* BELL, Clive (Economics, Development Research Center, World Bank)  
"The MUDA Regional Economy in the 'Eighties: Prospects and Public Policy."
12. \* DAHLAN, H.M. (Anthropology, University of Kebangsaan, Malaysia)  
"Emerging Political Structures and Communication Patterns at Village Level in Malaysia."
13. AMYOT, Jacques (I.D.R.C., Singapore)  
"Villages and Villagers in Transition: Perspectives from Village Ayutthaya, Thailand."
14. \* PONGSAPICH, Amara (Political Science, Chulalongkorn University)  
"Interplay of Tradition and Development in Fishing and Tourist Industries in Thailand."
15. THOMPSON, Supanee (Institute for Peace and Conflict Studies)  
"CIDA's Contribution to Rural Development: Agriculture and Fisheries in Thailand."

16. \* SEETISARN, Manu (Agricultural Economics, Chiang Mai University)  
"Income Enhancement Through Multiple Cropping and Traditional Agriculture."
17. \* ARTACHINDA, Supanee (Agricultural Economics, Kasetsart University)  
"Socio-economic Conditions and Potential for Development: The Case of Three Hill-Tribe Communities in Northern Thailand."
18. \* GANJAMAPAN, Laxmi (Agricultural Economics, Chiang Mai University)  
"The Process of Farmers' Decision Making and its Effect on the Application of New Technology of Multiple Cropping in the Chiang Mai Valley, Thailand."
19. \* SANDER, Robert (Rockefeller Visiting Professor, U. Philippines)  
"Direct and Indirect Benefits and Costs of Irrigation Development in the Philippines."
20. \* WIBOONPONGSE, Aree (Agricultural Economics, Chiang Mai University)  
"An Economic Analysis of Groundwater Use in Northern Thailand."
21. \* FREDERICKS, Leo (Economics, University of Malaya)  
"Technology, Employment and Income: Interrelationships in Two West Coast Malaysian Fishing Villages."
22. \* ADULAVIDHAYA, Kamphol (Research and Development Institute, Kasetsart Univ.)  
"Levels of Living of Coastal Fishermen in Thailand: A Cross-Section Profile."
23. \* PANAYOTOU, Theodore (Economics, Kasetsart University)  
"Managing an Industrial Fishery in a Developing Country: The Case of Thailand."
24. MUNRO, Gordon (Economics, University of British Columbia)  
"The Economics of Fishing in a Southeast Asian Context."
25. ALLSOPP, W. (I.D.R.C. Fisheries, U.B.C.)  
"Small-Scale Fisheries Development Problems in Southeast Asia."
26. \* CLEAVER, Harry (Economics, University of Texas / Ex. Université de Sherbrooke)  
"Theoretical Problems of Capital Accumulation in Autonomous Development of Small Countries."
27. DE KONINCK, Rudolphe &  
28. COMTOIS, Claude (Université Laval)  
"L'accélération de l'intégration du commerce extérieur des pays de l'ASEAN au marché mondial." ((Acceleration of ASEAN countries' external commerce in the world market.))
29. ROUFFIGNAT, Joël  
"Paysans producteurs ou paysans consommateurs? Le développement du marché interne des engrais chimiques en Malaysia et en Indonésie." ((Peasant producers or peasant consumers? The development of the chemical fertiliser market in Malaysia and Indonesia.))
30. AUDET, Lise &  
DE KONINCK, Rudolphe  
"Des engrais pour du riz: qui gagne, qui perd? Notes sur le commerce extérieur de la Malaysia et de l'Indonésie." ((Fertilisers for rice: who wins, who loses? Notes on the external commerce of Malaysia and Indonesia.))

31. CRONE, Donald (Political Science, University of British Columbia)  
"ASEAN Foreign Trade and External Dependence."
32. ENGLISH, H.E. (International Affairs, Carleton University)  
"The Private Sector in ASEAN: The Role of Complementation Arrangements."

## MISCELLANEOUS

33. HAINSWORTH, Geoffrey B. (University of British Columbia)  
"The Failure of Export-Led Growth in Southeast Asia."  
(abstracts of 1978 meetings.)
34. KELLY, B. (University of Guelph)  
"The Role of Women in Rural Development in India."
35. HAY, Keith (Economics, Carleton University)  
"ASEAN Development Prospects: Resource Industries."
36. LECRAW, Don (Western Ontario University)  
"ASEAN Development Prospects: Manufacturing."
37. MILNE, Stephen (University of British Columbia)  
"The Politics of Government Corporations in ASEAN Countries."
38. WEBSTER, Douglas (Calgary University)  
"A Tale of Two Regions: Development Projects in Malaysia and Indonesia."
39. MEHEMET, Ozay (University of Ottawa)  
"Evaluating Alternative Land Schemes in Malaysia."
40. TAYLOR, Fraser (Geography, Carleton University)  
"Development from Above or Below: The Dialectics of Regional Planning."
41. FEENY, David (McMaster University)  
"The Moral or Rational Peasant?"
42. SPROUL, Larry (University of British Columbia)  
"Decadence and Rebellion: A Critique of 'Moral Economy'?"
43. MEANS, Gordon (McMaster University)  
"Four Peasant Rebellions: What Can Theory Explain?"

## Names and Papers

1981:

1. BARKER, Johathan (University of Toronto)  
"The Political Economy of Rural Development."
2. SHAW, Timothy (Dalhousie University)  
"Class, country and corporation: Africa in the capitalisation world system."

1980:

- 1.\* GERRY, C. (Universidade Eduardo Mondlane, Maputo, Mozambique)  
"Relations of Production in Industry: The Case of Mozambique."
- 2.\* MIHYO, P. (University of Dar-es-Salaam)  
"Workers' Participation and Self-Management in Tanzania."
- 3.\* AWOGBADE, M.O. (Ahamadu Bello University)  
"Rural Development and the Livestock Producers in Nigeria."
4. GULLIVER, A. (University of Guelph)  
"Economics of Labour Control in East African Pastoral Societies."
- 5.\* IDODE, J.B. (Governor's Office, Benin City, Nigeria)  
"The Work Done by Rural Development Organisers in Bendel State of Nigeria."
- 6.\* FADAYOMI, T.O. (Nigerian Institute of Social and Economic Research, Ibadan)  
"Rural migration and rural development."
7. GREGORY, J.W. (Université de Montréal)  
"Return Migration and the Articulation of West African Labour Reservoirs."
- 8.\* KETSO, L.V. (National University of Lesotho)  
"Labour Migration and Economic Development in Lesotho."
9. HOUNDJAHOU, M. (Université Laval)  
"Une analyse des essais de restructuration des milieux ruraux en République Populaire du Bénin de 1960 à 1969."
10. LEO, C.P. (University of Winnipeg)  
"Who Benefited from the Million-Acre Scheme? A Class Analysis of Kenya's Transition to Independence."
- 11.\* NG'ETHE, N. (University of Nairobi)  
"Ghana's Kpong Resettlement Project: A Preliminary Account."
12. LISTER, P.H.W. (Queen's University)  
"Beyond the Informal Sector: A Critical Study of the Informal Sector Concept in Third World Urban Employment Planning."
13. JEWSIEWICKI, B. (Université Laval)  
"L'intégration de l'Afrique centrale et occidentale dans le système mondial, 'développement rural' et industrialisation, 19e et 20e siècles."
- 14.\* NG'ETHE, N. (University of Nairobi)  
"The Limits and Possibilities of Peasant Self-Help Development: The Case of the Harambee Movement in Kenya."

1980 Cont.:

15. SHELLMAN, J. (York University)  
"The State and Peasant Agriculture in Mexico: Land Reform and Agribusiness in "The Year of Zapata "."
16. MUELLER, S. (Boston University)  
"Barriers to the Further Development of Capitalism in Tanzania: The Case of Tobacco."
17. UBA, B. (Queen's University)  
"The Colonial State and Agricultural Development in Nigeria: Study of the Eastern States."

1979:

1. ALI, Taisir (University of Toronto)  
"The Politics of Agricultural Development in the Sudan."
- 2.\* BABEKIR, Fatama (University of Kartoum)  
"The Commercial Bourgeoisie and Agricultural Development in the Sudan."
- 3.\* HAMID, G.M. (African Institute for Economic and Development Planning, Dakar)  
"The Politics of Planning in the Sudan: A Planner's View of Obstacles to Change."
4. JOHNSTON, Robert (University of Toronto)  
"The Politics of Mechanisation in the Sudan."
5. ASSOGBA, Yao (Université Laval)  
"Technologie appropriée: Instrument de développement en Afrique."
6. GENNE, Marcelle (Université d'Ottawa)  
"Le monde rural algérien: une société en voie de modernisation?"
- 7.\* ILUNKAMBA, Ilunga (Université Nationale de Zaïre)  
"Cuivre, technologie, et dépendance au Zaïre."
8. BLELL, Joseph (University of British Columbia)  
"In Search of a New Third World Order in the Present Global Economic System."
9. DAVIS, Charles (Université de Montréal)  
"Africa and UNCSTAD: A View of the Regional Paper for Africa."
- 10.\* TINDIGARUKAYO, Jimmy (Dalhousie University)  
"The Role of Development Project Administration in the Economic Growth of Uganda: The Case of Central and Bugosa Provinces."
- 11.\* ONWUKA, R. (University of Ife)  
"Transfer of Technology to the Developing Countries: An Illusion?"

1978:

1. YOE, C.P. (Dalhousie University)  
"Peasants, Planters and Cotton Capitalists: the 'Dual Economy' in Colonial Uganda."
2. LEO, Chris (University of Winnipeg)  
"The Political Economy of Settlement."

1978 Cont.:

3. RAY, Don I. (University of Calgary)  
"Rural Development and Settlement Schemes in Zambia."
4. STEEVES, Jeffrey (University of Saskatchewan)  
"Structures of Participation in Agricultural Development."
5. JOHNSTON, Robert (University of Toronto)  
"Settlement Schemes in the Sudan: the Consequences of Farm Mechanisation."
6. SCHWIMMER, Brian (University of Manitoba)  
"Imperfect Competition and Social Organisation in Africa."
7. TINDIGARUKAYVO, Jimmy (Dalhousie University)  
"Dependence and Growth without Development: the Economic Situation of Black Africa."
8. DUE, Jean (University of Illinois)  
"A Comparison of Credit Experience of Small Private Farmers in Zambia and Ujaamaa Village Farmers in Tanzania."

Students from Developing Countries Studying in Canada: C.I.D.A.  
(Human Resources) supported, listed by institution.

<u>No.</u>	<u>Country</u>	<u>Degree / Specialisation</u>
<u>UNIVERSITY OF ALBERTA</u>		
1	Antigua	M.Ed. Vocational Education
1	Ghana	Diploma Industrial Mechanics
1	Ethiopia	Ph.D. Educational Administration
1	Guyana	B.Sc. Forestry
1	Zambia	Special Student / Education
1	Tanzania	Farm Management
1	Thailand	Ph.D. Zoology (Fish Taxonomy)
1	Kenya	Electrical Engineering
1	Zambia	M.Sc. Agricultural Engineering
1	Botswana	B.Sc. Mining Engineering
1	Zambia	M.Sc. Soil Physics

Total: 12 students; Antigua 1, Botswana 2, Ethiopia 1, Ghana 1,  
Guyana 1, Kenya 1, Tanzania 1, Thailand 1, Zambia 3.

UNIVERSITY OF BRITISH COLUMBIA

1	Uganda	M.Ed. Science
1	Zambia	B.Sc. Pharmacy
1	Brazil	Ph.D. Forestry
1	Brazil	Ph.D. Forest Ecology
1	Botswana	B.Sc. Mining Engineering
1	Brazil	M.Sc. Metallurgy
1	Zambia	B.Sc. Pharmacy
1	Tanzania	B.Sc. Agriculture
1	Malawi	M.Sc. Educational Administration
1	Zambia	B.A. Economics
1	Lesotho	B.A. / M.A. Library Science
1	Botswana	B.Sc. Mining Engineering
1	Lesotho	M.F.A. Creative Writing

(continued . . .)

U.B.C. continued...

<u>No.</u>	<u>Country</u>	<u>Degree</u> / <u>Specialisation</u>
1	Malawi	M.Sc. Educational Administration
1	Kenya	M.Sc. Ecology
1	Brazil	Ph.D. Forest Economics
1	Lesotho	M.A. English Teaching
1	Indonesia	M.A. Regional Science
1	Jamaica	Ph.D. Food Science
1	Ethiopia	Ph.D. Agriculture
1	Ethiopia	Ph.D. Adult Education
1	Brazil	Ph.D. Forest Entomology

Total: 22 students; Brazil 5, Botswana 2, Ethiopia 2, Indonesia 1, Jamaica 1, Kenya 1, Lesotho 3, Malawi 2, Tanzania 1, Uganda 1, Zambia 3.

UNIVERSITY OF CALGARY & MT. ROYAL COLLEGE / Southern Alberta Institute of Tech.  
(Mt. Royal and S.A.I.T. \*)

2	Kenya	B.Sc.* Engineering
1	Malawi	B.Sc. Civil Engineering
4	Swaziland	Diploma* Civil Engineering Technology
1	Ethiopia	M.A. Environmental Design
1	Malawi	Diploma* Civil Engineering Technology
1	Kenya	B.Sc. Engineering
2	Malawi	B.Comm. Commerce
3	Malawi	B.Sc. Civil Engineering
2	Botswana	B.Sc. Civil Engineering
2	Lesotho	B.Comm. Commerce
3	Lesotho	B.Sc. Engineering
1	Botswana	B.Sc. Civil Engineering
3	Swaziland	B.Sc. Civil Engineering
1	Uganda	B.Sc.* Uganda
1	Kenya	Diploma* Civil Technology
1	Zambia	Diploma* Civil Engineering

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## University of Calgary continued...

<u>No.</u>	<u>Country</u>	<u>Degree / Specialisation</u>
1	Indonesia	Community and Regional Planning
1	Namibia	B.A. Pol. Sci. Public Administration

Total: 31 students; Botswana 3, Ethiopia 1, Indonesia 1, Kenya 4, Lesotho 5, Malawi 7, Namibia 1, Swaziland 7, Uganda 1, Zambia 1.

CARLETON UNIVERSITY

1	Swaziland	M.A. Public Administration
1	Zimbabwe	B.A. English
1	Kenya	B.Sc. Chemistry
1	Malawi	B.Comm. Commerce
1	Kenya	M.Sc. Geochemistry
2	Lesotho	M.A. Public Administration

Total: 7 students; Kenya 2, Lesotho 2, Malawi 1, Swaziland 1, Zimbabwe 1.

CONCORDIA UNIVERSITY

2	Peru	M.A. Business
1	?	M.A. English

Total: 2 students; Peru.

DALHOUSIE UNIVERSITY

1	Ethiopia	M.B.A. Business Administration
1	Swaziland	Diploma P.A.
1	Brazil	M.Sc. Marine Biology
1	Swaziland	M.A. African History
1	Lesotho	M.B.A. Business Administration
2	Zimbabwe	Ph.D. African History
2	Botswana	M.A. African History
1	Swaziland	M.A. Library Science

Total: 10 students; Botswana 2, Brazil 1, Ethiopia 1, Lesotho 1, Swaziland 3, Zimbabwe 2.

UNIVERSITY OF GUELPH

<u>No.</u>	<u>Country</u>	<u>Degree / Specialisation</u>	
4	Belize	D.V.M.	Vet. Medicine
1	Columbia	M.Sc.	Food Technology
1	Columbia	M.Sc.	Soil Science
1	Ghana	Ph.D.	Soil Science
1	Ghana	M.Sc.	Crop Science
1	Lesotho	Home Economics	
1	Lesotho	B.Sc.	Agriculture
1	Lesotho	M.Sc.	Poultry Science
1	Swaziland	Ph.D.	Agricultural Economics
1	Zambia	Ph.D.	Agronomy
1	Zambia	M.Sc.	Entomology

Total: 14 students; Belize 4, Columbia 3, Ghana 2, Lesotho 3, Swaziland 1, Zambia 2.

UNIVERSITE LAVAL

1	Benin	M.A.	Public Administration
1	Chad	M.A.	Land Management
1	Honduras	Trainee	Forestry
1	Haiti	M.Sc.	Plant Science
2	Haiti	M.Sc.	Rural Economy
1	Haiti	M.Sc.	Botany
2	Mali	M.Sc.	Zoology
2	Mali	M.Sc.	Land Management
2	Mauritania	B.Sc.A.	Metalurgical Engineering
1	Niger	M.A.	Rural Economy
1	Niger	B.Sc.	Agricultural Economics
1	Upper Volta	B.Sc.	Agricultural Economics
1	Upper Volta	M.Sc.	Plant Pathology
1	Rwanda	M.A.	Home Economics
1	Rwanda	Ph.D.	Mathematics
1	Rwanda	B.A.	Administration
1	Rwanda	Ph.D.	Soil Sciences
1	Rwanda	B.Sc.	Electrical Engineering
			continued . . .

Université Laval continued...

<u>No.</u>	<u>Country</u>	<u>Degree /</u>	<u>Specialisation</u>
18	Zaire	M.Sc.	Forestry Management.

Total: 40 students; Benin 1, Chad 1, Honduras 1, Haiti 4, Mali 4, Mauritania 2, Niger 2, Rwanda 5, Upper Volta 2, Zaire 18.

UNIVERSITY OF MANITOBA

1	Botswana	B.Sc.	Geology
1	Botswana	M.Sc.	Geology
1	Ethiopia	B.Sc.	Earth Sciences
1	Ghana	Ph.D.	Animal Science
1	Ghana	M.Sc.	Animal Science
1	Kenya	M.Sc.	Plant Pathology
1	Kenya	M.Sc.	Plant Breeding
3	Lesotho	B.Sc.	Civil Engineering
2	Lesotho	B.Sc.	Agriculture
1	Lesotho	B.Sc.	Electrical Engineering
1	Nigeria	Ph.D.	Agricultural Economics
1	Malawi	B.Sc.	Electrical Engineering
1	Surinam	B.Sc.	Geology
1	Swaziland	B.Sc.	Civil Engineering
1	Tanzania	M.Sc.	Soil Fertility
1	Tanzania	B.Sc.	Electrical Engineering
1	Tanzania	Ph.D.	Plant Science
1	Tanzania	M.Sc.	Plant Science
1	Uganda	C.A.	Accountancy
1	Zambia	B.A.	Economics
1	Zambia	Ph.D.	Plant Breeding
2	Zambia	M.Sc.	Agricultural Economics
1	Zambia	Ph.D.	Animal Science
2	Zambia	M.A.	Architecture
2	Zambia	M.Sc.	Plant Science

Total: 29 students; Botswana 2, Ethiopia 1, Ghana 2, Kenya 2, Lesotho 6, Nigeria 1, Malawi 1, Surinam 1, Swaziland 1, Tanzania 4, Uganda 1, Zambia 7.

MCGILL UNIVERSITY / MACDONALD COLLEGE \*

<u>No.</u>	<u>Country</u>	<u>Degree /</u>	<u>Specialisation</u>
2	Senegal	M.Sc.	Communications
2	Brazil	M.Eng.	Metallurgy
1	Surinam	B.Sc.	Geophysics
1	Peru	M.A.	Computer Sciences
1	St. Lucia	B.Sc.*	Agriculture
1	Ghana	Ph.D.	Agronomy
1	Brazil	Ph.D.	Communications

Total: 9 students; Brazil 3, Ghana 1, Senegal 2, Surinam 1, St. Lucia, 1.

MCMASTER UNIVERSITY

2	Brazil	Ph.D.	Metallurgy
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Total 2 Brazilians.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND / COLLEGE OF FISHERIES\*

1	St. Lucia	B.Sc.	Marine Biology
1	St. Lucia	Diploma	Marine Electronics*

Total: 2 St. Lucians.

UNIVERSITE DE MONTREAL

1	Brazil	Ph.D.	Demography
2	Brazil	Ph.D.	Metallurgy
1	Benin	B.A.	Architecture
6	Cameroon	M.A.	Translation
1	Dominican Rep.	Ph.D.	Demography
1	Mali	M.B.A.	Business Administration
1	Mauritania	B.Sc.A.	Mechanical Engineering
4	Mauritania	B.Sc.A.	Electrical Engineering
1	Mauritania	Spec.	Surgery
1	Mauritania	B.A.	Sociology & Communications
2	Niger	B.Sc.A.	Mining Engineering
3	Niger	B.Sc.	Electrical Engineering
3	Niger	B.Sc.A.	Geological Engineering
1	Mali	Ph.D.	Education

Université de Montréal continued...

## Université de Montréal . . .

<u>No.</u>	<u>Country</u>	<u>Degree / Specialisation</u>	
1	Niger	B.A.	Business Administration
1	Niger	B.A.	Architecture
1	Niger	M.A.	Economics
1	Niger	B.Sc.	Civil Engineering
1	Senegal	M.Sc.	Hydraulic Engineering
1	Senegal	M.Sc.	Civil Engineering
1	Senegal	M.A.	Sociology
1	Senegal	M.Sc.A.	Industrial Engineering
1	Senegal	M.Sc.	Mechanical Engineering
2	Senegal	M.Ed.	Educational Technology
2	Senegal	M.Sc.	Communications
1	Togo	B.Sc.	Industrial Design
1	Tunisia	Ph.D.	Economics
1	Mauritania	B.A.	Political Science
1	Zambia	B.Sc.	Computer Science

Total: 45 students; Brazil 3, Benin 1, Cameroon 6, Dominican Republic 1, Mali 2, Mauritania 8, Niger 12, Senegal 9, Togo 1, Tunisia 1, Zambia 1.

UNIVERSITY OF NEW BRUNSWICK

2	Botswana	B.Sc.	Geology
2	Columbia	M.Sc.	Engineering
3	Guyana	B.Sc.	Forestry
1	Indonesia	Non-deg.	Civil Engineering
1	Lesotho	M.A.	Political Science
2	Tanzania	B.Sc.	Surveying

Total: 11 students; Botswana 2, Columbia 2, Guyana 3, Indonesia 1, Lesotho 1, Tanzania 2.

UNIVERSITY OF REGINA

1	Brazil	M.A.	Social Work
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Total: 1 Brazilian.

UNIVERSITY OF OTTAWA

<u>No.</u>	<u>Country</u>	<u>Degree / Specialisation</u>	
1	Gabon	M.A.	Linguistics
1	Cameroon	Certif.	Translation
1	Kenya	M.B.A.	Business Administration
1	Lesotho	Ph.D.	Physics
1	Mali	M.A.	International Relations
1	Sri Lanka	LL.M.	Law
1	Upper Volta	M.A.	Political Science
1	Upper Volta	Certif.	Administration

Total: 8 students; Cameroon 1, Gabon 1, Kenya 1, Lesotho 1, Mali 1, Sri Lanka 1, Upper Volta 2.

QUEEN'S UNIVERSITY

5	Botswana	B.Sc.	Mining Engineering
1	Kenya	M.Sc.	Mining Engineering
1	Surinam	B.Sc.	Electrical Engineering
1	Surinam	B.Sc.	Metallurgical Engineering
1	Swaziland	Ph.D.	Economics

Total: 9 students; Botswana 5, Kenya 1, Surinam 2, Swaziland 1.

UNIVERSITY OF SASKATCHEWAN

5	Brazil	Ph.D.	Soil Science
1	Ghana	Ph.D.	Poultry Science
1	Lesotho	B.Sc.	Civil Engineering
1	Kenya	M.Sc.	Mining Engineering
1	Swaziland	B.Sc.	Civil Engineering
1	Tanzania	M.Sc.	Farm Management
8	Tanzania	Diploma	Farm Management
1	Uganda	Ph.D.	Veterinary Science
1	Zambia	M.Sc.	Agricultural Engineering
1	Zambia	B.Sc.	Agriculture

Total: 21 students; Brazil 5, Ghana 1, Kenya 1, Lesotho 1, Swaziland 1, Tanzania 9, Uganda 1, Zambia 2.

UNIVERSITE DE SHERBROOKE

<u>No.</u>	<u>Country</u>	<u>Degree / Specialisation</u>
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Diploma: Centre d'Etudes en Economie Coopérative:

1	Benin	
2	Burundi	
3	Cameroon	
2	Congo	
2	Mali	
1	Morocco	
4	Rwanda	
2	Senegal	
2	Togo	
1	Upper Volta	
2	Zaire	
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1	Cameroon	D.E.C. Animal Health
1	Niger	M.A. Economics
1	Niger	B.A. Administration
1	Rwanda	M.A. Finance
1	Rwanda	M.A. Economics
1	Rwanda	M.A. Administration
1	Gabon	M.Sc. Mathematics

Total: 29 students; Benin 1, Burundi 2, Cameroon 4, Congo 2, Gabon 1, Mali 2, Morocco 1, Rwanda 7, Senegal 2, Togo 2, Upper Volta 1, Zaire 2.

SIMON FRAZER UNIVERSITY

1	Kenya	Ph.D.	Accounting / Management
1	Lesotho	?	Linguistics
1	Lesotho	Ph.D.	Linguistics

Total: 3 students, Kenya 1, Lesotho 2.

UNIVERSITY OF TORONTO

<u>No.</u>	<u>Country</u>	<u>Degree / Specialisation</u>
2	Brazil	Ph.D. Forestry
1	Brazil	Ph.D. Forestry Engineering
3	Egypt	? Electric Power Engineering
1	Ethiopia	M.Sc. Criminology
1	Kenya	Ph.D. ?
1	Kenya	Ph.D. Management Studies
1	Peru	Ph.D. Law
1	Swaziland	M.A. Political Economy
1	Swaziland	Ph.D. Political Economy
2	Tanzania	? Gold Processing
1	Uganda	Ph.D. Forestry
1	Brazil	Ph.D. Metallurgy
1	Peru	M.A. Business

Total: 17 students; Brazil 4, Egypt 3, Ethiopia 1, Kenya 2, Peru 2, Swaziland 2, Tanzania 2, Uganda 1.

UNIVERSITY OF WINDSOR

1	Lesotho	B.A. Business
1	Lesotho	B.Comm. Commerce
1	Zambia	B.Sc. Zambia

Total: 3 students; Lesotho 2, Zambia 1.

YORK UNIVERSITY

1	Tanzania	M.A. Economics
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Total: 1 Tanzanian.

UNIVERSITE DU QUEBEC

Campuses: Montréal - UQAM, Trois Rivières - UQTR, Yamaska - UQAY,  
Chicoutimi - UQAC.

<u>No.</u>	<u>Country</u>	<u>Degree / Specialisation</u>		<u>Campus</u>
1	Chad	M.Sc.	Meteorology	UQAM
1	Ivory Coast	B.A.	Linguistics / Teaching	UQTR
1	" "	B.A.	Administration	UQTR
2	" "	_____	Education	UQTR
4	" "	_____	Elementary Teach.	UQTR
3	" "	B.A.	Education	UQAM
1	" "	B.A.	Graphic Design	UQAM
1	Madagascar	B.Sc.	Indust. Engineer'	UQTR
1	Mali	Certif.	Teaching	UQAC
4	"	Certif.	Teaching	UQAM
1	"	B.Sc.	Indust. Chem.	UQAM
1	"	B.Sc.	Chemestry	UQAM
1	"	M.A.	Economics	UQAM
1	"	B.A.	Industrial Design	UQAM
1	Mauritania	B.Sc.A.	Elect. Engineer'	UQTR
3	Niger	General		UQAY
1	"	B.Sc.	Elect. Engineer'	UQTR
1	"	B.A.	Administration	UQAM
1	Rwanda	Ph.D.	Psychology	UQAM
1	"	M.Sc.	Chemestry	UQAM
2	"	M.Sc.	Mineral Chemestry	UQAM
1	"	B.Sc.	Mathematics	UQAM
1	"	M.A.	Administration	UQAM

Total: 35 students; Chad 1, Ivory Coast 12, Madagascar 1, Mali 9,  
Mauritania 1, Niger 5, Rwanda 6.

## Distribution of C.I.D.A. students by country:

Antigua	1	Upper Volta	5
Belize	4	Uganda	5
Benin	3	Zaire	20
Botswana	18	Zimbabwe	3
Burundi	2	Zambia	21
Cameroon	11		
Chad	6		
Congo	2		
Egypt	3		
Ethiopia	7		
Dominican Rep.	1		
Gabon	2		
Ghana	7		
Guyana	4		
Haiti	4		
Indonesia	3		
Ivory Coast	12		
Jamaica	1		
Kenya	16		
Lesotho	27		
Malawi	5		
Madagascar	1		
Mauritania	9		
Morocco	1		
Namibia	1		
Niger	14		
Nigeria	1		
Peru	4		
Rwanda	18		
St. Lucia	3		
Sri Lanka	1		
Senegal	13		
Swaziland	17		
Surinam	3		
Tanzania	20		
Thailand	1		
Togo	2		

CANADIAN UNIVERSITY INVOLVEMENT IN DEVELOPMENT VIA C.I.D.A. (NGO Division)

University Description	Location	CIDA \$k / Total
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1981 - 1982

Centre d'études en économie coopérative, Université de Sherbrooke.

1. Project education / co-operative personell: multinational,		318.0
2. Co-operative training seminar: Zaire,		35.8
3. Data Bank: Francophone Africa,		7.1
4. Technical Co-operation: Chile,		27.8
5. UNCONAL Information Centre: Columbia,		9.4
6. Project Support/ Training Centre: Burundi,		55.5
	6 projects: Total \$	453,518.

University of Alberta

1. Planning mission / Commerce U. Nairobi: Kenya		7.2
	1 project: Total \$	7,238.

Brandon University

1. Workshop / High School Students: Saskatchewan,		8.3
2. Upgrading Secondary Teachers: Swaziland,		98.2
3. Upgrading Secondary Teachers II: Swaziland,		250.0
	3 projects: Total \$	356,577.

University of British Columbia

1. Planning Mission: Ghana,		3.2
2. SIETAR International Symposium: Multinational,		25.0
3. Architectural Exchange: India,		25.0
4. Aquatic Quality & Resources: Peru,		170.0
	4 projects: Total \$	223,900.

University of Calgary

1. Training Doctors: Nepal,		158.6
	1 project: Total \$	158,600.

## Canadian University Involvement via C.I.D.A.

Carleton University

1. Appropriate Technology Linkage:	Tanzania,	497.3
2. Project Planning Mission:	Brazil,	5.9
3. L. American Prospects Conference:	Canada,	2.5
4. Academic Exchange:	Nigeria,	34.0
	4 projects	Total \$ 539.716

Coady International Institute, St. Francis Xavier University.

1. Development Workshops:	Canada,	4.0
2. 1981 - 1982 Programme:	Multinational,	1,650.0
3. SHADE Programme:	South Africa	60.0
	3 projects	Total \$1,713,950.

Dalhousie University

1. Development Education	Canada,	11.5
2. Analytical Chemistry Centre	Sri Lanka,	461.0
	2 projects	Total \$ 472,550.

University of Guelph

1. Intercultural Exchange:	Canada,	9.6
2. Development Education:	Canada,	8.4
3. International Education:	Canada,	5.4
4. Dialogue on Development:	Canada,	2.0
5. Aquaculture:	Costa Rica,	50.0
6. Veterinary Diagnostic Biology Training:	Sri Lanka,	25.5
7. Agricultural Extension Teaching:	Trinidad & Tobago,	41.7
8. Apiculture Training:	Columbia,	9.8
9. Project Develop. Mission / Adult Education:	India,	3.0
10. Farm Radio Network:	Multinational,	73.3
11. Nutrition Survey / Apiculture Evaluation:	Kenya,	3.1
12. Rural Quality of Life Workshop:	Costa Rica,	35.0
13. Planning Mission / Functional Literacy:	Sierra Leone,	3.6
14. Teaching Exchange / African Literature:	Cameroon,	8.0
	14 projects:	Total \$ 278,459.

## Canadian University Involvement via C.I.D.A.

Institut de coopération internationale, Université d'Ottawa.

1. Planning Mission:	Rawanda - Burundi,	5.0
2. Assistance to Regional Language Centre:	Singapore,	6.0
	2 projects: Total \$	11,085.

Université Laval

1. Training for educational research:	Multinational,	424.5
2. Training Journalists (African):	Senegal,	21.0
3. Project Development/Basic Health Centre:	Comoro Isles	2103.2
4. Project Planning Mission CESTI:	Senegal,	5.6
5. Project Planning Visit ESAN:	Peru,	5.2
	5 projects: Total \$	2,559,546.

Lakehead University

1. Exploratory Mission/Improvement of Health Services:	India,	1.5
	1 project: Total \$	1,500.

University of Manitoba

1. Training and Preventative Programme / V.D.:	Kenya,	95.0
2. Planning Visit:	Trinidad & Tobago,	1.3
	2 projects: Total \$	96,255.

Mount St. Vincent University

1. Nutrition Programme:	Dominican Republic,	23.0
2. Linkage Planning Visit:	Malawi,	5.7
	2 projects: Total \$	28,650.

Université de Moncton

1. Planning Reciprocal Visits:	Nicaragua,	12.0
2. Nutrition, Pilot Project:	Nicaragua,	244.3
	2 projects: Total \$	256,206.

## University Involvement via C.I.D.A.

McGill University

1. International Development / Canadian Assistance:	Québec,	10.4
2. Worker Relations Zimbabwe:	Canada ,	10.2
3. Study of Filariasis:	India,	83.5
4. Graduate Training / Geography:	Kenya,	27.2
4 projects: Total \$		131,404.

Memorial University of Newfoundland

1. Communications in Dairy Industry:	India,	88.0
2. Extra-mural Studies U. Guyana:	Guyana,	37.6
3. Consultation with AMIC:	Singapore,	99.9
3 projects: Total \$		206,780.

Université de Montréal

1. Ivory Coast Coffee:	Ivory Coast,	350.0
1 project: Total \$		349,975.

Ontario Institute for Studies in Education

1. Development Education Committee Ontario:	Canada	45.2
2. Pilot Project/International Education Ontario Schools:		61.0
3. Introducing the World - Year II:	Canada,	88.0
4. Professional Development and Development Education:	Ontario	73.0
5. Planning Visit OISE - Thai Linkage:	Thailand,	2.9
5 projects: Total \$		270,428.

University of Ottawa

1. Institutional Link in Physics:	Thailand,	444.4
1 project: Total \$		444,380.

Queen's University

1. International Centre:	Ontario,	85.0
1 project: Total \$		85,000.

## University Involvement via C.I.D.A.

University of Saskatchewan

1. Feasibility Study:	Somalia	31.5
	1 project: Total \$	31,500.

Université de Sherbrooke

1. Sensitisation of Project Teachers:	Canada	48.2
	1 project; Total \$	48,230.

Simon Frazer University

1. Rural Communications Planning Phase:	Sudan,	99.0
	1 project: Total \$	99,000?

University of Toronto

1. Natural Products Chemistry (liaison):	Guyana,	204.5
	1 project: Total \$	204,500.

Trent University

1. Project Development Visit:	Malawi,	2.0
2. Archaeology Training / Cultural Resource Mgt.:	Belize,	78.0
3. Chemistry Professor to Univ. Port Harcourt:	Nigeria,	5.2
4. Teacher Upgrading Programme:	Malawi,	11.6
	4 projects: Total \$	96,815.

University of Waterloo

1. Course on Solar Energy Conversion:	Canada,	4.0
2. Engineering Training / Upgrading:	Brazil,	412.8
3. Planning Mission, Fisheries:	Ethiopia,	17.0
	3 projects: Total \$	433,800.

University of Western Ontario

1. Solar Energy Conversion Workshop:	Canada,	30.0
2. Medical Electives Overseas:	Multinational,	2.0
3. Science & Technology for Development:	Canada,	5.0
4. American Assn. Advancement of Science Meeting:	Canada,	1.5
	4 projects: Total \$	38,500.

## University Involvement via C.I.D.A.

York University

1. Development of Environmental Studies Faculty:	Kenya,	89.0
2. Planning Mission:	St. Lucia,	7.6
3. Interministerial Issues / Energy:	Kenya,	10.6
4. Develop Environmental Studies Fac. (1979-80):	Kenya,	96.0
5. Planning Visit, Teaching Communications:	India,	12.9
5 projects: Total \$		216,083.