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IICA



**IMPORTANT IICA EXPERIENCES WHICH CONTRIBUTE
TO SUSTAINABLE AGRICULTURAL DEVELOPMENT IN GUYANA
&
PROFILES/CURRICULUM VITAE
OF GUYTCA PROFESSIONAL STAFF**

**Georgetown, Guyana
February, 1997**





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TO SUSTAINABLE AGRICULTURAL DEVELOPMENT IN GUYANA**

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1. IICA EXPERIENCES

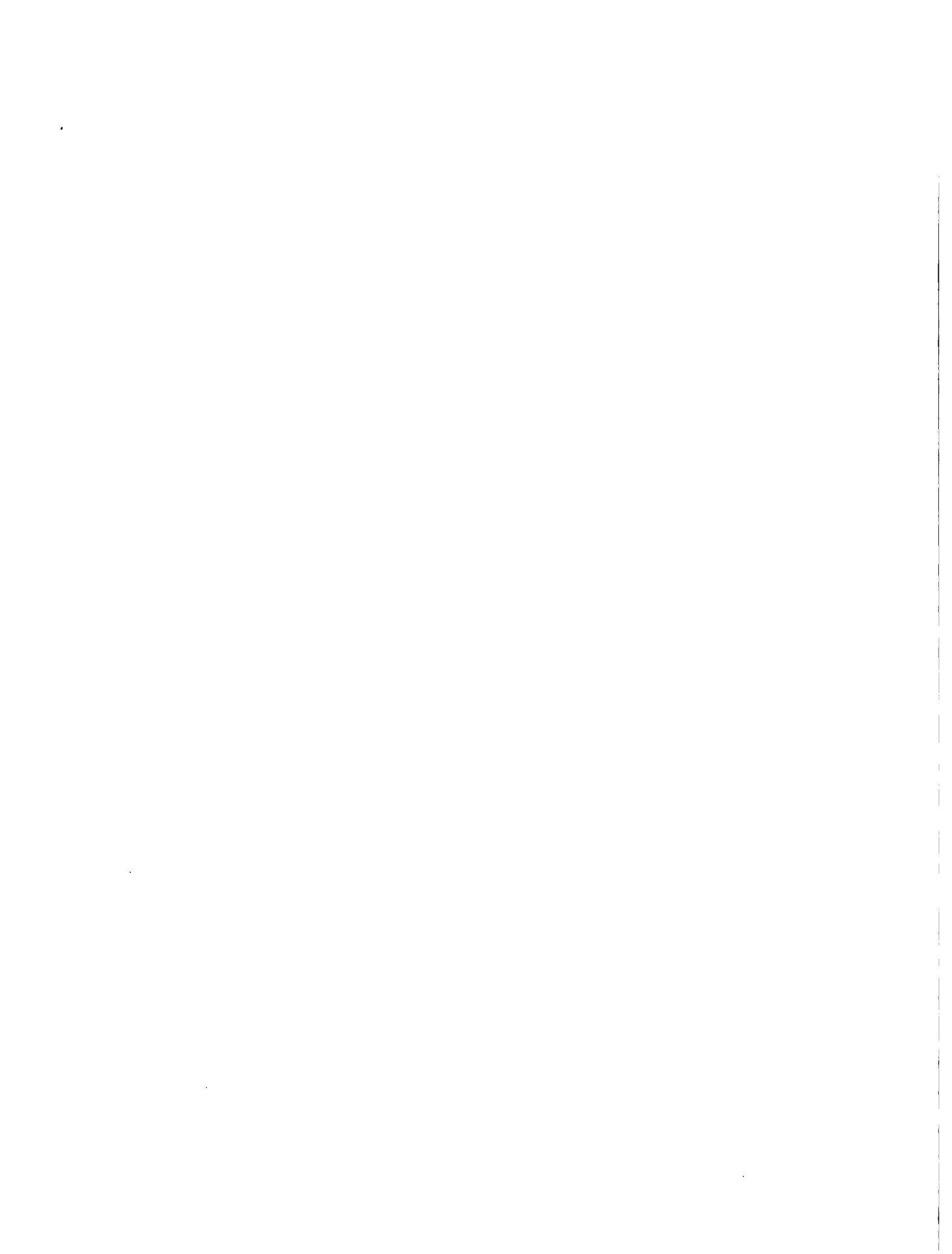
- Participatory Action Planning
- Carambola Fruit Fly Monitoring and Surveillance
- Dairy Sector Development in the Southern Caribbean: Guyana, Suriname and Trinidad
- Supporting the Development of Tropical Fruits in the Caribbean
- Strengthening Rural Development in Guyana

2. PROFILES OF IICA PROFESSIONALS

- Bernard François (to be forwarded when received from technician)
- Peter Ramsammy
- Charles Carmichael
- Cromwell Crawford
- Maxine Parris-Aaron
- Jerry La Gra

3. CVS OF IICA PROFESSIONALS

- Bernard François
- Peter Ramsammy
- Charles Carmichael
- Cromwell Crawford
- Maxine Parris-Aaron
- Jerry La Gra



IICA EXPERIENCES

IICA EXPERIENCES

1. **Project Title:** Participatory Action Planning

2. **Project Code:**

This project, on-going since 1993, has been funded with three Short-Term Actions:

A2932G1P02100

A2942G1P02100

A2952G1P01100

3. **Countries/Regions covered by the Project:** Guyana

4. **References (Institutional and/or Professional) on the Project:**

Name of person: Nigel Durrant

Post or position: Head of Project Cycle Unit

Entity or institution: Ministry of Agriculture

Postal address: Ministry of Agriculture, Georgetown, Guyana

Telephone: (592) 2-61003 Fax: (592) 2-61003

5. **Area(s) of Specialization:**

Project identification, design and formulation; Socio-economic surveys; Sustainable Agricultural Development

6. **Main Objective of Project:**

Support the Ministry of Agriculture in the development of effective sector strategies and policies and more efficient agricultural services

7. **Project Strategy:**

- a) Execution of socio-economic surveys and studies and the organisation of significant quantities of up-to-date information on the agricultural and rural sectors;
- b) Formation of inter-institutional teams to review and analyse information and identify priority problems;



- c) Design of actions to facilitate the delivery of efficient and sustainable services; and
- d) Setting up systems to monitor the execution of projects and the delivery of services.

8. Main results, achievements and impacts of the project attributable to IICA:

- a) Over 30 documents and publications which provide new information on the agricultural and rural sectors are being used by numerous persons and agencies in the formulation of development activities.
- b) Institutional diagnoses of the Ministry of Agriculture (MOA), National Agricultural Research Institute (NARI), National Dairy Development Programme (NDDP) and the New Guyana Marketing Corporation (NGMC) which served as the basis for institutional reform.
- c) Guidelines were developed for the integration of public sector agricultural support services which has contributed to institutional restructuring of MOA and NARI.
- d) Extensive documentation of **Women in Agriculture** provides the basis for the design of rural development projects.
- e) Much of the information generated through participatory action planning was used in the formulation of a US\$13 m six-year project (IFAD-II) to improve social and productive services for rural people in Regions 2 and 3 of Guyana. This project was approved in December 1996 and will be implemented in 1997.

9. Main Activities:

- a) IICA Specialists provided training to an inter-institutional and inter-disciplinary group in project formulation based on problem analysis. This resulted in the formulation of four detailed project profiles and the adoption by the participants of this new methodological approach to project formulation.
- b) GuyTCA organized and administered a socio-economic survey of 743 rural coastal households. During this exercise it administered US\$26,612 provided by IFAD to cover survey costs.



- c) Local consultants, supported by international consultants from Ecuador and Costa Rica, were contracted by GuyTCA to carry out detailed institutional diagnoses and to propose a strategy for improving the quality of public sector support services.
- d) GuyTCA coordinated the formation of an inter-institutional team of national professionals and IICA project specialists to formulate the pre-feasibility of a multi-million dollar D & I development project.

10. Project Duration

Phase One:

- a. Date of Initiation: July 1993
- b. Date of Termination: August 1996

Phase Two:

- a. Date of Initiation: August 1996
- b. Date of Termination: on-going

11. Organizations and/or funding sources

| Name of Organization | Years | Amount (US\$) |
|----------------------|---------|---------------|
| IICA | 1993-96 | 38,000 |
| IFAD | 1993 | 26,612 |
| IFAD | 1996 | 8,000 |

12. Financial Resources:

| PHASE | RESOURCES | YEAR 1 <i>1993</i> | YEAR 2 <i>1994</i> | YEAR 3 <i>1995</i> | YEAR 4 <i>1996</i> | TOTAL |
|--------------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|---------------|
| I | IICA | 11,000 | 17,000 | 10,000 | - | 38,000 |
| | IFAD | 26,612 | - | - | 8,000 | 34,612 |
| TOTAL | | 37,612 | 17,000 | 10,000 | 8,000 | 72,612 |



13. Personnel (Main Professionals)

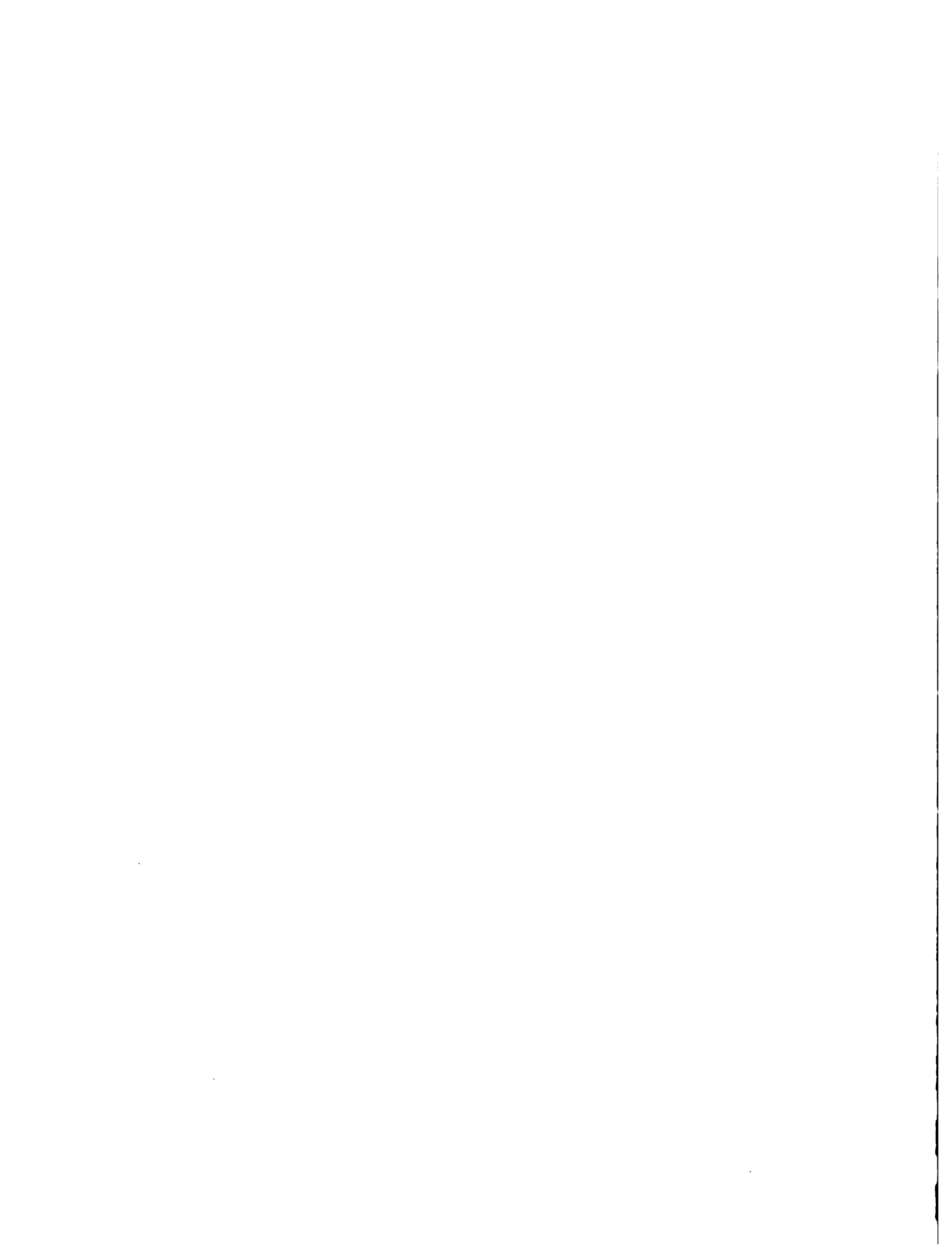
| Name | Specialization | Term | |
|--------------------|-----------------------------|-------|------|
| | | Short | Long |
| Jerry La Gra | Agricultural Economist | | X |
| Charles Carmichael | Agricultural Economist | | X |
| Peter Ramsammy | Horticulturist/Extensionist | X | |
| Cromwell Crawford | Rural Development | X | |
| Leslie Simpson | Agricultural Development | X | |
| Kelvin Craig | Agricultural Economist | X | |
| Vibert M.A. Welch | Marketing | X | |
| Stella Odie-Ali | Women in Agriculture | X | |
| Beverly Rutherford | Women in Agriculture | X | |
| Juan Caliva | Training Specialist | X | |
| C. Villamizar | Extensionist | X | |
| R. Solano | Extensionist | X | |

Indicate with X if it is long or short term.

14. Expert Months

| | Short Term | Long Term |
|----------------------|------------|-----------|
| International | 3 | 12 |
| National | 16 | 12 |

15. IICA TCA: Responsible Officer: Jerry La Gra



IICA EXPERIENCES

1. **Project Title:** Carambola Fruit Fly Monitoring and Surveillance

2. **Project Code:**

(DIPRAT will add this data)

3. **Countries/Regions covered by the Project:** Guyana & Suriname

4. **References (Institutional and/or Professional) on the Project:**

Name of person: Victorine Kellman

Post or position: Agriculture Officer

Entity or institution: Ministry of Agriculture

Postal address: Regent and New Garden Streets, Georgetown

Telephone: (592) 2-53856 **Fax:** (592) 2-56281

Name of person: Melysia McCalmon

Post or position: Plant Quarantine Inspector I

Entity or institution: Ministry of Agriculture

Postal address: Same as above

Telephone: (592) 2-53856 **Fax:** (592) 2-56281

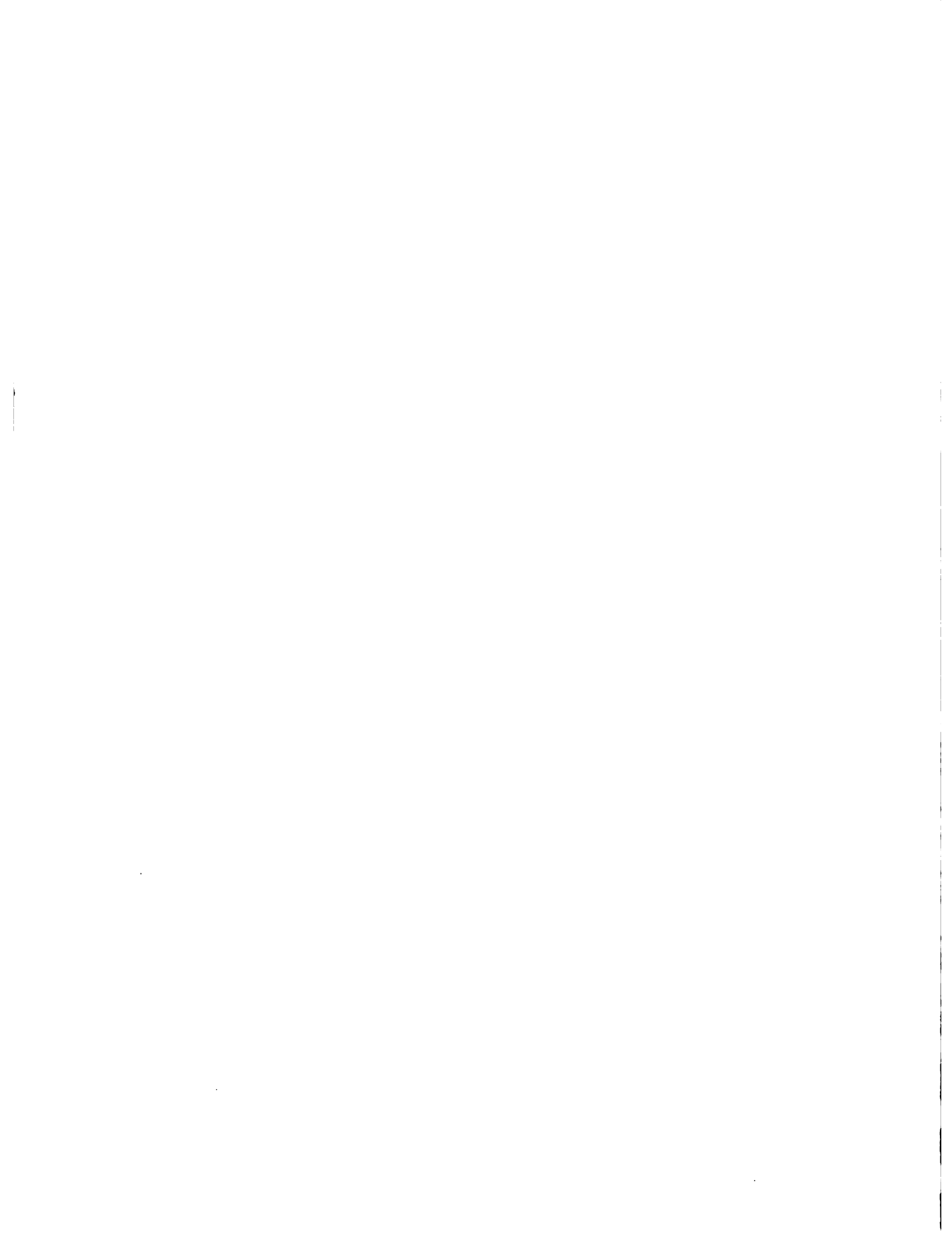
Name of person: Caleb Pompey

Post or position: Plant Quarantine Inspector II

Entity or institution: Ministry of Agriculture

Postal address: Same as above

Telephone: (592) 261-2335 **Fax:** (592) 2-56281



5. Area(s) of Specialization:

Plant Quarantine
Seed Technology
Plant Pathology

6. Main Objective of Project:

Early detection and eradication of the Carambola Fruit Fly

7. Project Strategy:

1. Placement of traps in high risk areas;
2. Monthly monitoring of traps;
3. Collection of fruit for the rearing out of adult fruit flies; and
4. Eradication (baiting of area in event of CFF detection).

8. Main results, achievements and impacts of the project attributable to IICA:

1. Early detection and eradication in high risk areas.
2. Prevention of spread of CFF to other areas.
3. Prevention of restrictions being placed on fruit exports from Guyana.

9. Main Activities

- Placing of traps in high risk areas so as to have early detection of CFF infestation.
- Eradication programmes implemented upon detection.

10. Project Duration:

Phase One: 1992 - 1993, financed by IICA

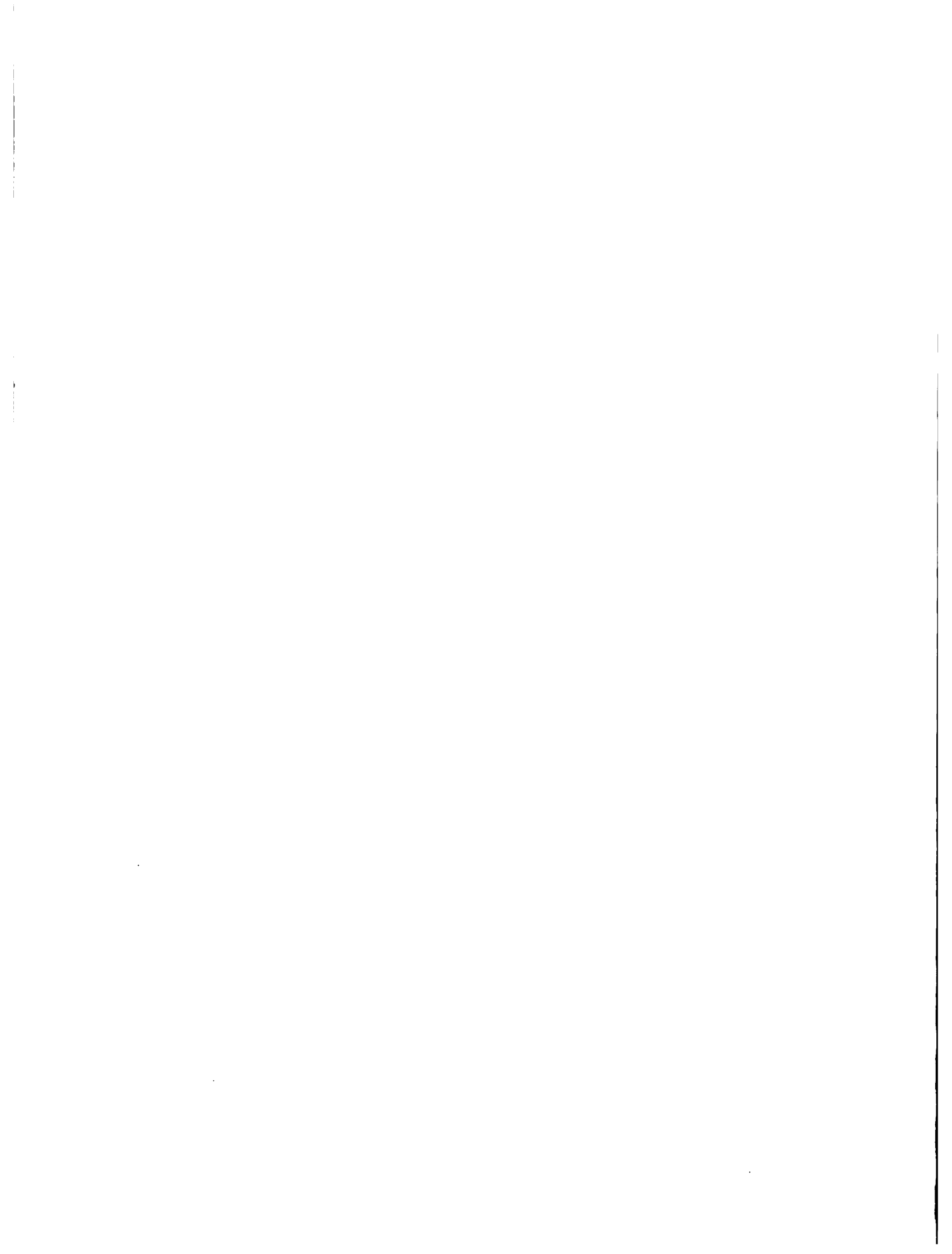
a. Date of Initiation November 1992 b. Date of Termination December 1993

Phase Two: Financed jointly by Ministry of Agriculture and IICA.

a. Date of Initiation January 1994 b. Date of Termination On-going

11. Organizations and/or funding sources

| Name of Organization | Years | Amount (US\$) |
|----------------------|-----------|---------------|
| IICA | 1992-1996 | 8,000 |
| MoA | 1994-1996 | 6,000 |



12. Financial Resources:

| PHASE | RESOURCES | YEAR 1 | YEAR 2 | YEAR 3 | TOTAL |
|--------------|--------------|--------|--------|--------|-------|
| I | IICA | 5,000 | - | - | 5,000 |
| | MOA | - | - | - | - |
| | TOTAL | 5,000 | - | - | 5,000 |
| II | IICA | 1,000 | 1,000 | 1,000 | 3,000 |
| | MOA | 2,000 | 2,000 | 2,000 | 6,000 |
| TOTAL | | 3,000 | 3,000 | 3,000 | 9,000 |

13. Personnel (Main Professionals)

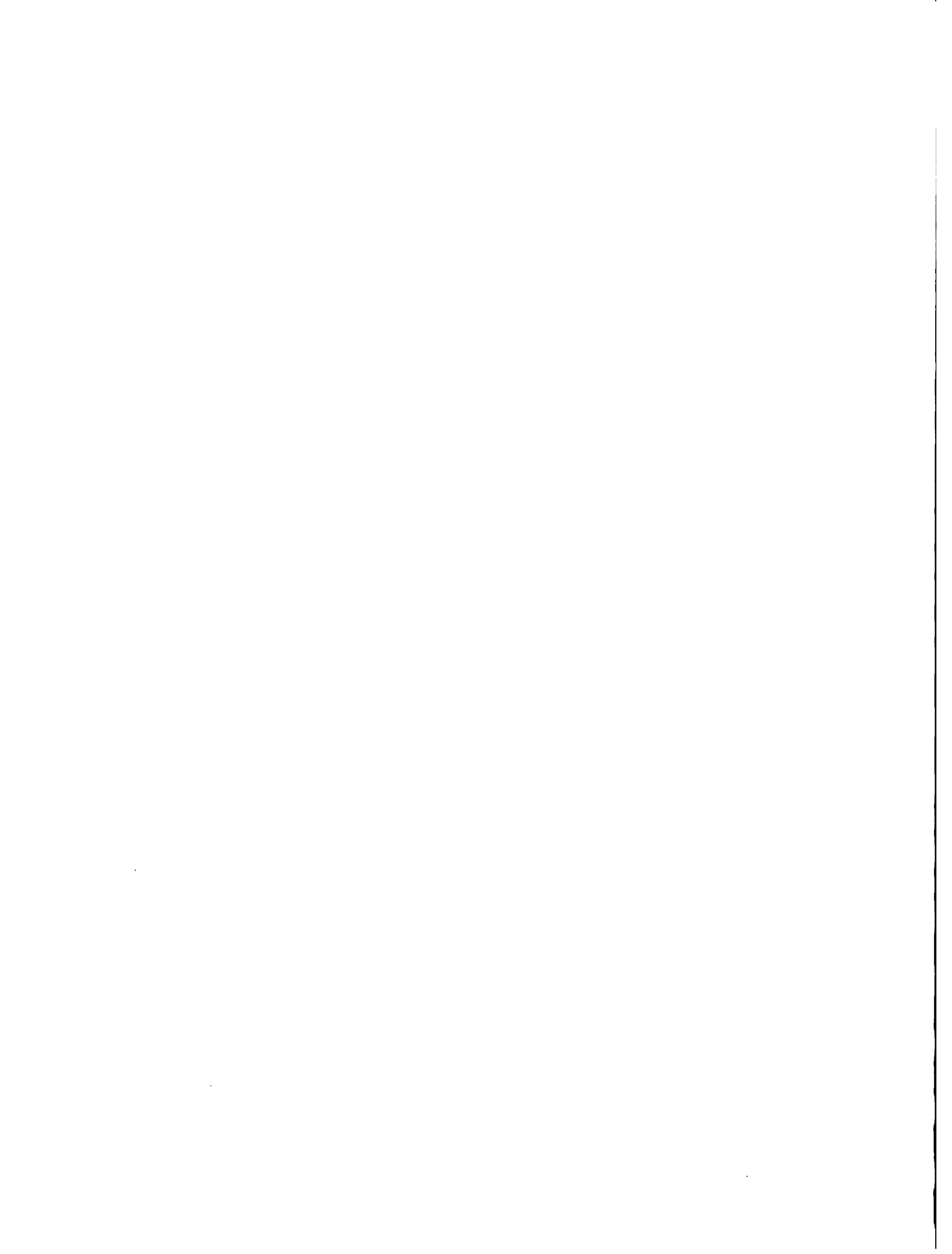
| Name | Specialization | Term | |
|-------------------|------------------|-------|------|
| | | Short | Long |
| Victorine Kellman | Plant Quarantine | | X |
| Caleb Pompey | Plant Quarantine | | X |
| Melysia McCalmon | Plant Quarantine | | X |
| Richard Pluke | Entomologist | X | |
| Martine Humme | Agriculturist | X | |
| Sandra Vokaty | Veterinarian | X | |

Indicate with X if it is long or short term.

14. Expert Months

| | Short Term | Long Term |
|----------------------|------------|-----------|
| International | 9 | |
| National | | 24 |

15. IICA TCA: Responsible Officer: Maxine Parris-Aaron



IICA EXPERIENCES

1. **Project Title:** Dairy Sector Development in the Southern Caribbean:
Guyana, Suriname and Trinidad

2. **Project Code:**

(DIPRAT will add this data)

3. **Countries/Regions covered by the Project:** Guyana, Suriname and Trinidad

4. **References (Institutional and/or Professional) on the Project:**

Name of person: Deep Ford

Post or position: Professor

Entity or institution: University of Vermont

Postal address: Morrill Hall, College of Agriculture, University of
Vermont, Burlington, VT 05405-0106

Telephone: (802) 656-1015 Fax: (802) 656-1423

Name of person: P. I. Gomes

Post or position: Director

Entity or institution: CARICAD

Postal address: 27 Block C, The Garrison, St. Michael, Barbados

Telephone: (246) 427-8535/6 Fax: (246) 436-1709

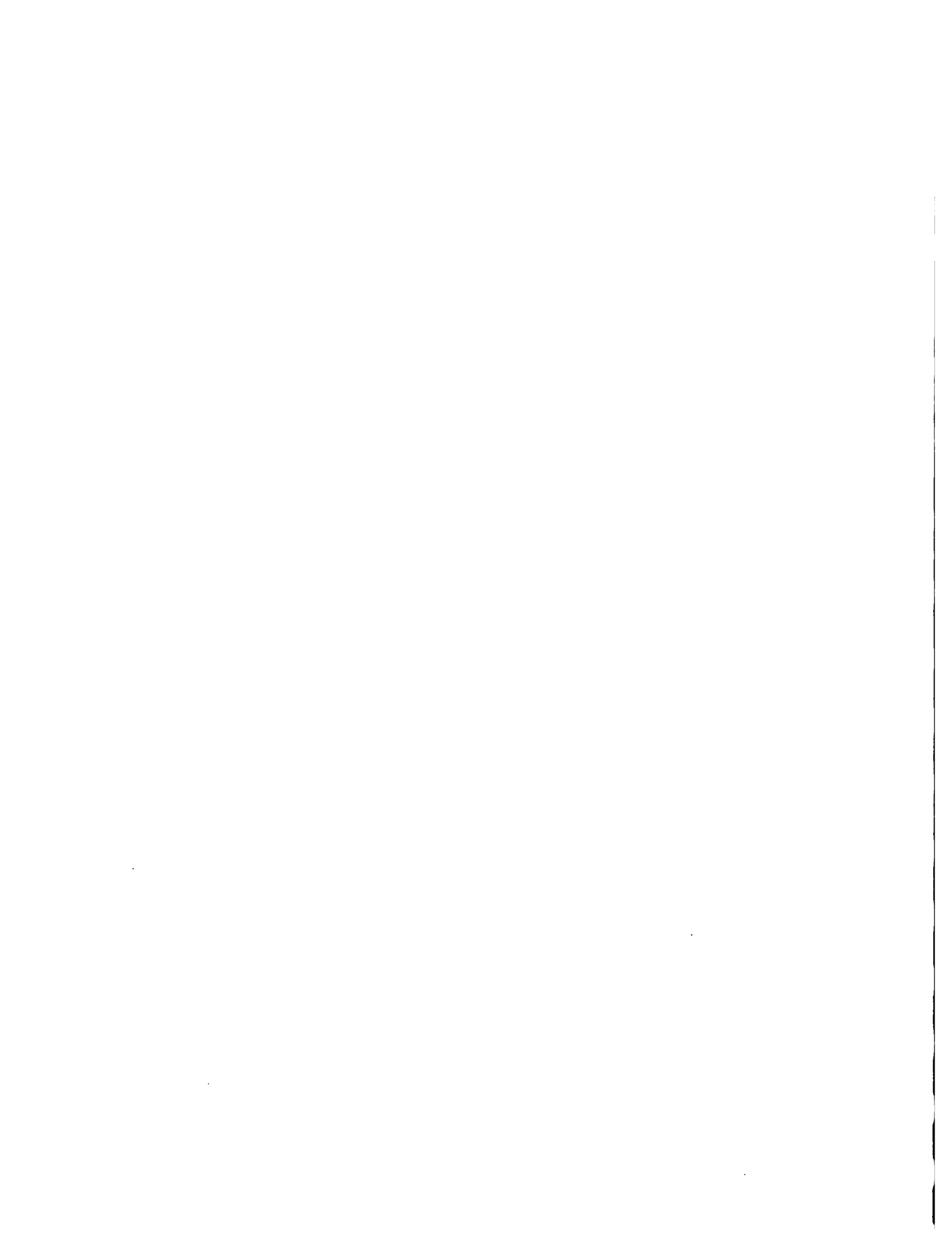
Name of person: Dennis McKnight

Post or position: Training Specialist

Entity or institution: Agricultural Institute of Canada

Postal address: Kemptville College, Kemptville, Ontario

Telephone: Fax:



5. Area(s) of Specialization:

- a) Transfer of appropriate dairy production technology
- b) Organizational strengthening of Cattle Farmers' Associations
- c) Institutional Strengthening

6. Main Objective of Project:

- a) The first phase of the project was aimed at characterizing the dairy production systems in Guyana and at identifying problems and constraints.
- b) Phase two and three of the project were aimed at strengthening institutions involved in the transfer of dairy technology to farmers.
- c) The fourth phase of the project has as its objectives the organizational strengthening of Cattle Farmers' Associations and also the transfer of appropriate technology to dairy farmers.

7. Project Strategy:

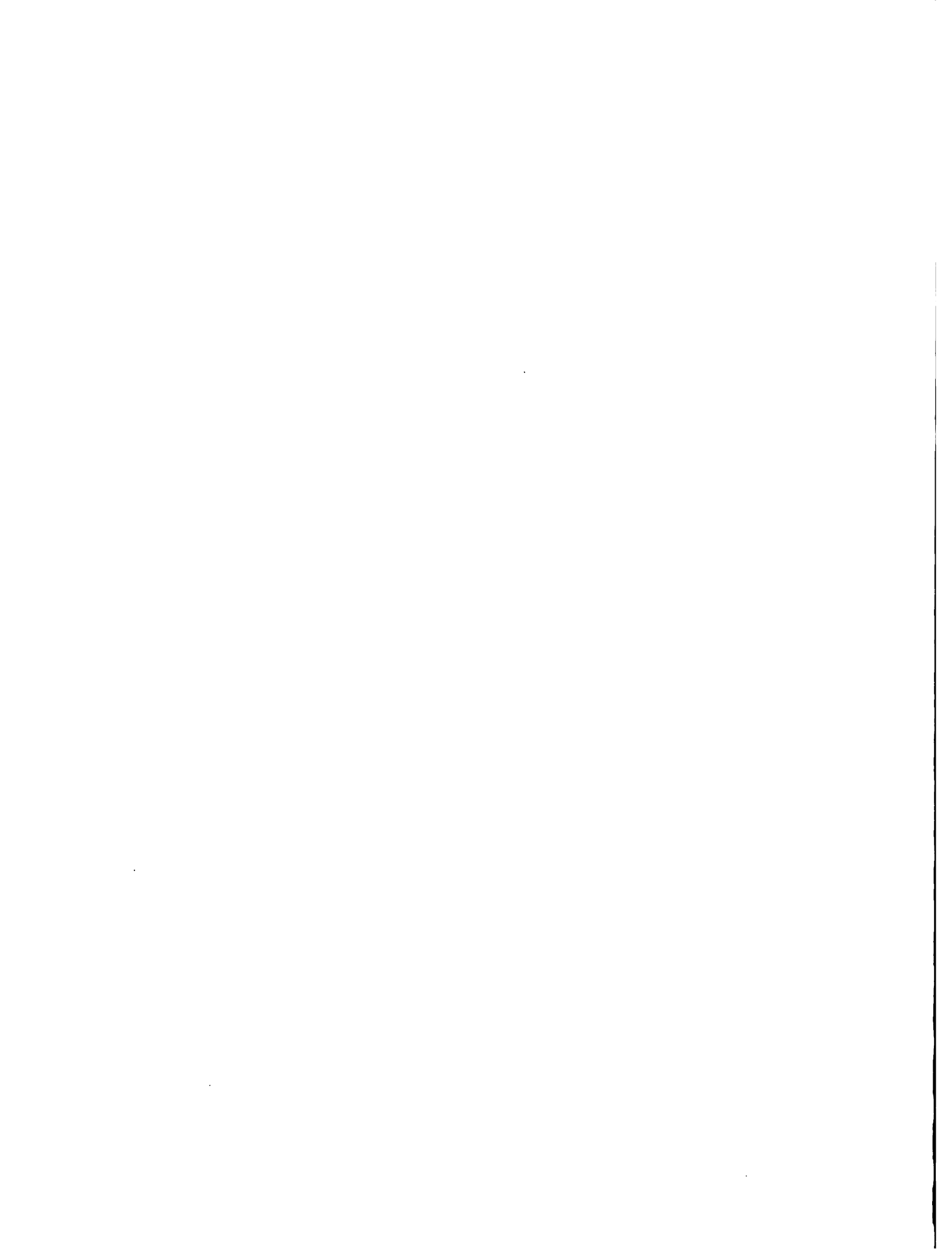
The transfer of appropriate production technology to farmers was achieved by several measures including field days, special demonstrations, and the establishment of model farms, based on experiences in Guyana and elsewhere. In-service training was organized for technicians from institutions involved in the transfer of dairy production technology.

8. Main results, achievements and impacts of the project attributable to IICA:

- a) A model and self-sustaining dairy production unit was established on the St. Stanislaus College farm in 1983.
- b) The cultivation of antelope grass by farmers was selected as the answer to upgrade the nutritional status of cattle and the improvement of productivity.
- c) Technical assistance was given to over thirty-five farmers in the establishing of model dairy farms.

9. Main Activities:

- Review of the livestock sub-sector in Guyana;
- Research aimed at developing an appropriate dairy production technology;
- Training of technicians in various aspects of dairy production technology;
- Transfer of technology package to farmers by means of field days, special demonstrations, and pilot farms;
- Monitoring of pilot farm activities with the aim of validating technology package.



10. Project Duration:

Phase One:

a. Date of Initiation: 1984

b. Date of Termination: 1988

Phase Two:

a. Date of Initiation: 1989

b. Date of Termination: 1991

Phase Three:

a. Date of Initiation: 1992

b. Date of Termination: 1994

a. Phase Four:

a. Date of Initiation: 1996

b. Date of Termination: 1998

11. Organizations and/or funding sources:

| Name of Organization | Years | Amount (US\$) |
|----------------------------------|--------------|----------------------|
| Agricultural Institute of Canada | 1993-1998 | 15,000 |
| St. Stanislaus College Farm | 1984-1991 | 54,000 |
| IICA Quota Funds | 1984-1998 | 609,000 |



12. Financial Resources:

| PHASE | RESOURCES | YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 | TOTAL |
|--------------------|-----------|----------------|----------------|----------------|----------------|----------------|
| I | IICA | 90,000 | 92,000 | 95,000 | 98,000 | 375,000 |
| | EXTERNAL | 5,000 | 5,000 | 8,000 | 10,000 | 28,000 |
| TOTAL | | 95,000 | 97,000 | 103,000 | 108,000 | 403,000 |
| II | IICA | 72,000 | 50,000 | 40,000 | - | 162,000 |
| | EXTERNAL | 6,000 | 8,000 | 12,000 | - | 26,000 |
| TOTAL | | 78,000 | 58,000 | 52,000 | - | 188,000 |
| III | IICA | 22,000 | 24,000 | 20,000 | - | 66,000 |
| | EXTERNAL | - | 4,000 | 8,000 | - | 12,000 |
| TOTAL | | 22,000 | 28,000 | 28,000 | - | 78,000 |
| IV | IICA | 6,000 | - | - | - | 6,000 |
| | EXTERNAL | 3,000 | - | - | - | 3,000 |
| TOTAL | | 9,000 | - | - | - | 9,000 |
| GRAND TOTAL | | 204,000 | 183,000 | 183,000 | 108,000 | 678,000 |

13. Personnel (Main Professionals):

| Name | Specialization | Term | |
|--------------------|------------------------|-------|------|
| | | Short | Long |
| Hector Munoz | Livestock Specialist | | X |
| Peter Davis | Veterinarian | | X |
| Charles Carmichael | Agricultural Economist | | X |

Indicate with X if it is long or short term.

14. Expert Months:

| | Short Term | Long Term |
|----------------------|------------|-----------|
| International | | 72 |
| National | | 72 |

15. IICA TCA: Responsible Officer: Charles Carmichael



IICA EXPERIENCES

1. Project Title: Supporting the Development of Tropical Fruits in the Caribbean

2. Project Code:

(DIPRAT will add this data)

3. Countries/Regions covered by the Projects: Regional: Guyana component

4. References (Institutional and/or Professional) on the Project:

Name of person: Patrick Chesney

Post or position: Research Scientist (Horticulture)

Entity or institution: National Agricultural Research Institute (NARI)

Postal address: Mon Repos, East Coast Demerara, Guyana

Telephone: 020-2841 Fax: 020-4481

Name of person: Mervyn St. Hill

Post or position: Permanent Secretary

Entity or institution: Ministry of Agriculture

Postal address: Regent and Vlissengen Rd., Georgetown, Guyana

Telephone: 02-75527 Fax: 02-73638

Name of person: Lennox Applewhaite

Post or position: Chief Crops and Livestock Officer

Entity or institution: Ministry of Agriculture

Postal address: Regent and Vlissengen Rd., Georgetown, Guyana

Telephone: 02-56281 Fax: 02-56281



5. Area(s) of Specialization:

Technology transfer; research; technical assistance; project formulation.

6. Main Objective of Project:

Improve institutional support services offered to fruit farmers, processors and exporters through promotion of reciprocal inter-institutional cooperation, training and technology transfer.

7. Project Strategy:

- (a) Promote, support and facilitate private and public sector institutional collaboration and the implementation of joint programming;
- (b) Promote and support the establishment and operation of a network of National Fruit Technical Committees under CARIFRUIT;
- (c) Prioritize fruits with market opportunity and competitive advantage as a means of focusing scarce institutional resources and generating vital experiences in all aspects of the fruit commodity systems;
- (d) Formulate action plans for integrating the efforts and resources of all players involved in the fruit sub-sector for the development of sustainable production and marketing activities.

8. Main results, achievements and impacts of the project attributable to IICA:

- (a) National Fruit Working Group established and operating to coordinate delivery of public sector technical support services to fruit growers, exporters, processors and investors;
- (b) Commercial production and processing of Passion Fruit and West Indian Cherry popularized and acreages increased;
- (c) Several government owned nurseries rehabilitated, staff trained in propagation techniques and nursery sanitation and improved nursery management systems designed;
- (d) Numerous farmers, researchers, extensionists and other entrepreneurs trained in different aspects related to the production and marketing of tropical fruits;



- (e) Fruit programmes established in the main public support institutions.

9. Main Activities

- (a) Training of researchers, extension officers, farmers and producers in several aspects of priority fruit commodity systems;
- (b) Introducing imported materials or conducting local selection for improving the availability of high quality fruit germplasm in order to improve the quality of planting material supplied to farmers;
- (c) Disseminating information related to the production and marketing of a wide variety of tropical fruits through newsletters, factsheets, bulletins, publications, etc.;
- (d) Developing and implementing action plans, using participatory approaches, for improving the production and marketing of priority fruit commodities

10. Project Duration

Phase one:

- a. Date of Initiation: Jan. 1988
- b. Date of Termination: December 1992

Phase Two:

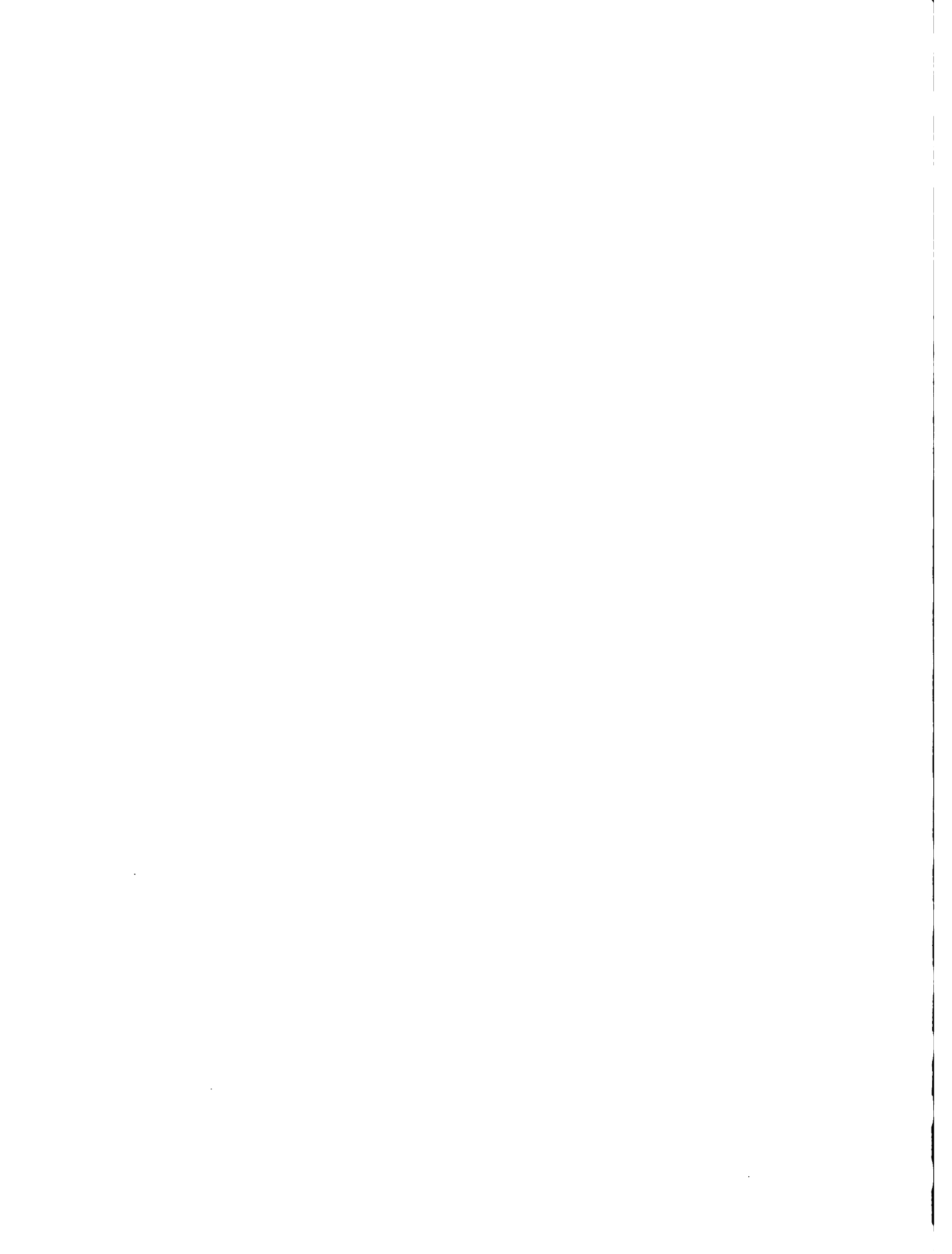
- a. Date of Initiation: Jan. 1993
- b. Date of Termination: March 1996

Phase Three:

- a. Date of Initiation: May 1996
- b. Date of Termination: December 1998

11. Organizations and/or funding sources

| Name of Organization | Year | Amount |
|---|---------|------------|
| CIDA | 1988 | US\$47 000 |
| GoG/GOF Rural Integrated Dev. Programme | 1995-96 | US\$40 000 |



12. Financial Resources:

| PHASE | RESOURCES | YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 | TOTAL |
|--------------------|--------------|---------|--------|--------|--------|---------|
| I | IICA | 28,300 | 29,700 | 31,000 | 32,600 | 121,600 |
| | EXTERNAL | 47,000 | - | - | - | 47,000 |
| | TOTAL | 75,300 | 29,700 | 31,000 | 32,600 | 168,600 |
| II | IICA | 37,000 | 36,000 | 34,100 | 35,000 | 142,100 |
| | EXTERNAL | - | - | 30,000 | 10,000 | 40,000 |
| | TOTAL | 37,000 | 36,000 | 64,100 | 45,000 | 182,100 |
| GRAND TOTAL | | 112,300 | 65,700 | 95,100 | 77,600 | 350,700 |

13. Personnel (Main Professionals)

| Name | Specialization | Term | |
|---------------|-------------------------|-------|------|
| | | Short | Long |
| P. Ramsammy | Agri. Prod/Extension | | X |
| R. Marte | Fruit Production | | X |
| G. Barbeau | Fruit Agronomy | | X |
| E. Monteverde | Fruit Production | | X |
| C.S. Baichoo | Horticulture | | X |
| M.A. Feroze | Post-harvest technology | X | |
| M. Rouffiange | Research student | X | |
| F. Christian | Economist | X | |

14. Expert Months

| | Short Term | Long Term |
|----------------------|------------|-----------|
| International | 8 | 8 |
| National | 3 | 96 |

15. IICA TCA: Responsible Officer: Peter Ramsammy



yo

IICA EXPERIENCES

1. **Project Title:** **Strengthening Rural Development in Guyana**
Phase I Project: **Integrated Rural Community Development - St. Francis Mission (Moraikobai)**
2. **Project Code:**

(DIPRAT will add this data)

3. **Countries/Regions covered by the Project:** Guyana

4. **References (Institutional and/or Professional) on the Project:**

Name of person: Vibert DeSouza

Post or position: Minister of Amerindian Affairs

Entity or institution: Ministry of Amerindian Affairs

Postal address: Office of the President, New Garden Street, Georgetown

Telephone: 592-2-51330/8 **Fax:** 592-2-69969

Name of person: Mrs. Janette Forte

Post or position: Head

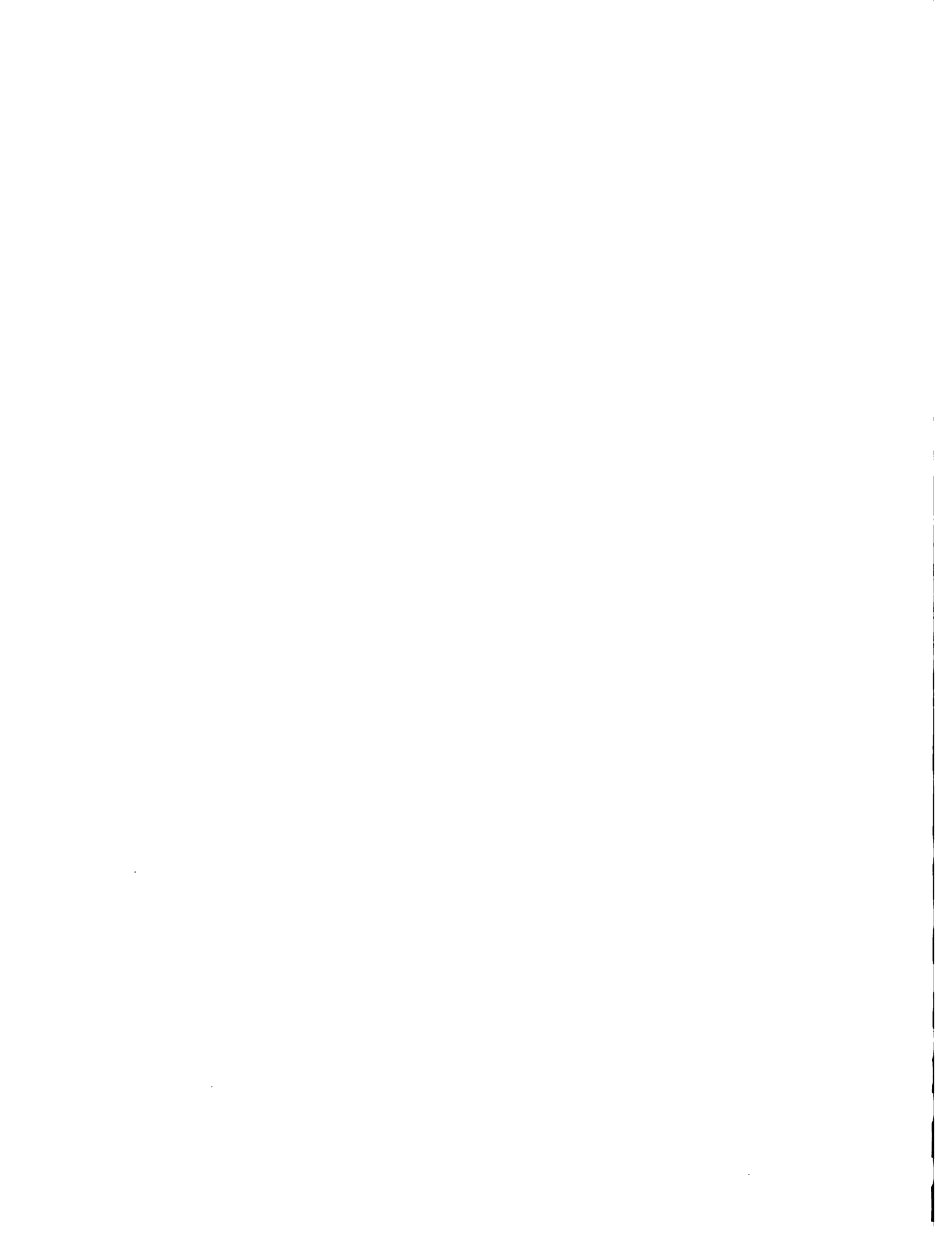
Entity or institution: Amerindian Research Unit (ARU)

Postal address: Faculty of Arts, University of Guyana, Turkeyen

Telephone: 592-22-3588/ 592-22-3592 **Fax:** 022-3586

5. **Area(s) of Specialization:**

Participatory community research and surveys; project design, formulation and implementation; producer and community group formation and strengthening; development of production/marketing projects.



6. Main Objective of Project:

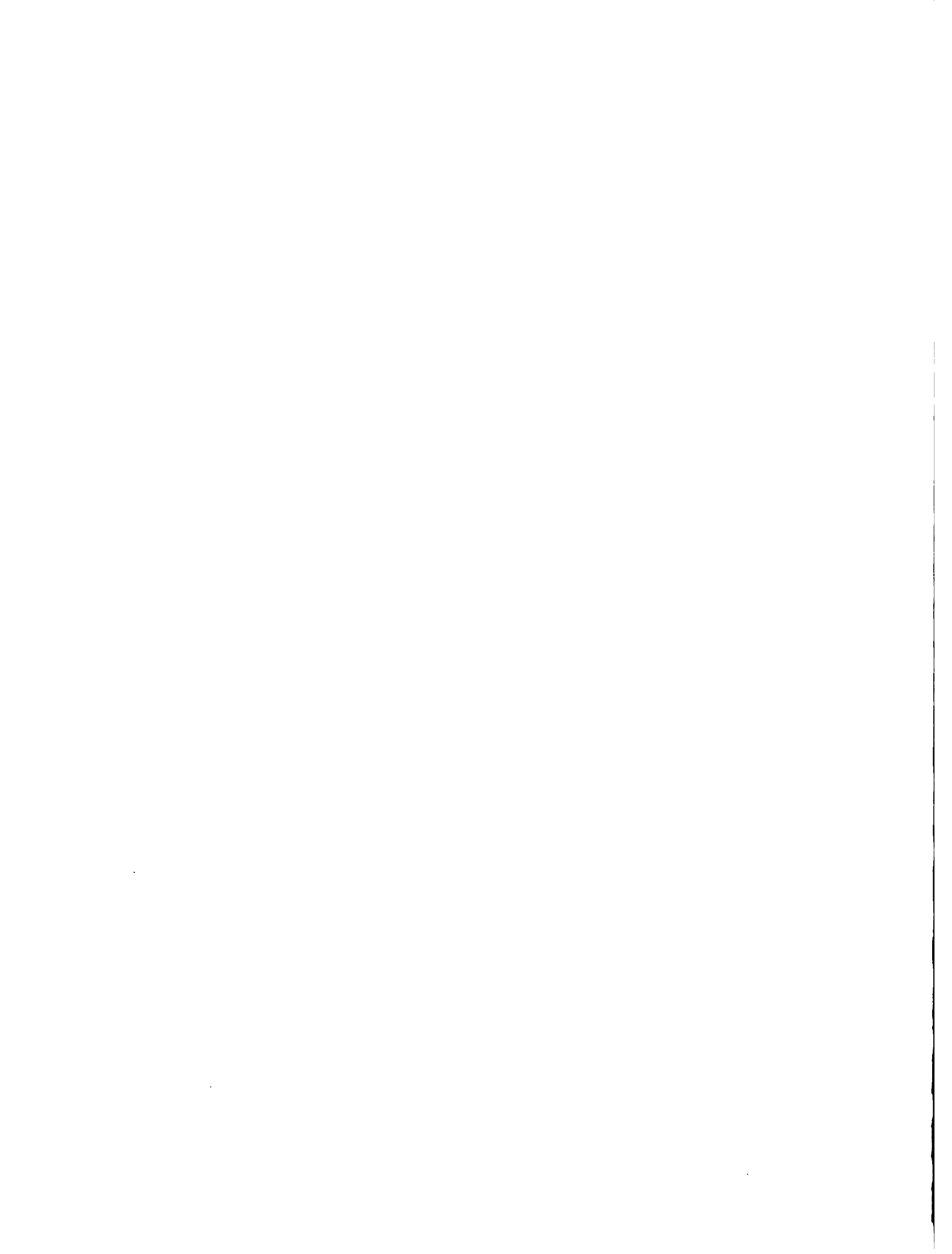
This project aims to support the development of an effective rural development strategy through the promotion and implementation of productive activities which build capacity and improve incomes in participating rural communities.

7. Project Strategy:

Utilizing the participatory community development approach, the project facilitates the identification, formulation and implementation of sustainable development activities in selected rural and hinterland communities. It works to strengthen community and production groups and to increase job creation and income generation opportunities by developing particular commodities and trades relevant to the selected communities.

8. Main results, achievements and impacts of the project attributable to IICA:

- a) Five community projects elaborated as outputs of a Participatory Research Process received funding and successfully implemented with project support.
- b) Seven production and community groups were strengthened and are in the process of developing and implementing production and community development projects,
- c) Two French funded rural development projects have advanced significantly and are benefitting the participating communities through improved drainage, agro-forestry activities and small scale industry.
- d) Detailed community profiles developed for nine Amerindian communities, including actualized community maps prepared by local residents.
- e) One community focussed project: Production and marketing of Liberica coffee was initiated and has initiated processing/marketing activities.
- f) "Managing for a Change", a two-part manual (Handbook and Workbook) on project management, was published and widely distributed and is being consulted extensively by community leaders and project holders in Guyana and the region.
- g) A handbook on Agro-forestry was published and is being utilized by farmers and technicians in forested areas, to design and implement alternative sustainable management systems for these locations.
- h) Sundry technicians, community leaders and community members trained in a variety of skills for development.



9. Main Activities

- a) Participatory research activities were conducted in nine Amerindian communities to determine needs and problems, identify resources and design development plans and projects.
- b) The project supported the formation and strengthening of production and community groups.
- c) Staff conducted a variety of training programmes for technicians, community leaders and members in areas of project management, leadership, organization and business management and book keeping.
- d) Staff facilitated the effective transfer of relevant and appropriate technology. Training was conducted in nursery management, crop production and protection and agroforestry and other forest management techniques.

10. Project Duration

Phase one:

- a. Date of Initiation: May 1989
- b. Date of Termination: April 1993

Phase Two:

- a. Date of Initiation: May 1993
- b. Date of Termination: On-going

11. Organizations and/or funding sources

| Name of Organization | Year | Amount |
|-----------------------|-----------|----------------|
| Govt. of Guyana/USAID | 1989-1993 | 206,000 |
| CIDA | 1992-1993 | 27,500 |
| FUTURES | 1993-1995 | 103,217 |
| IICA | 1989-1996 | 282,092 |
| Govt. Guyana | 1994-1996 | 42,000 |
| | | <u>660,800</u> |



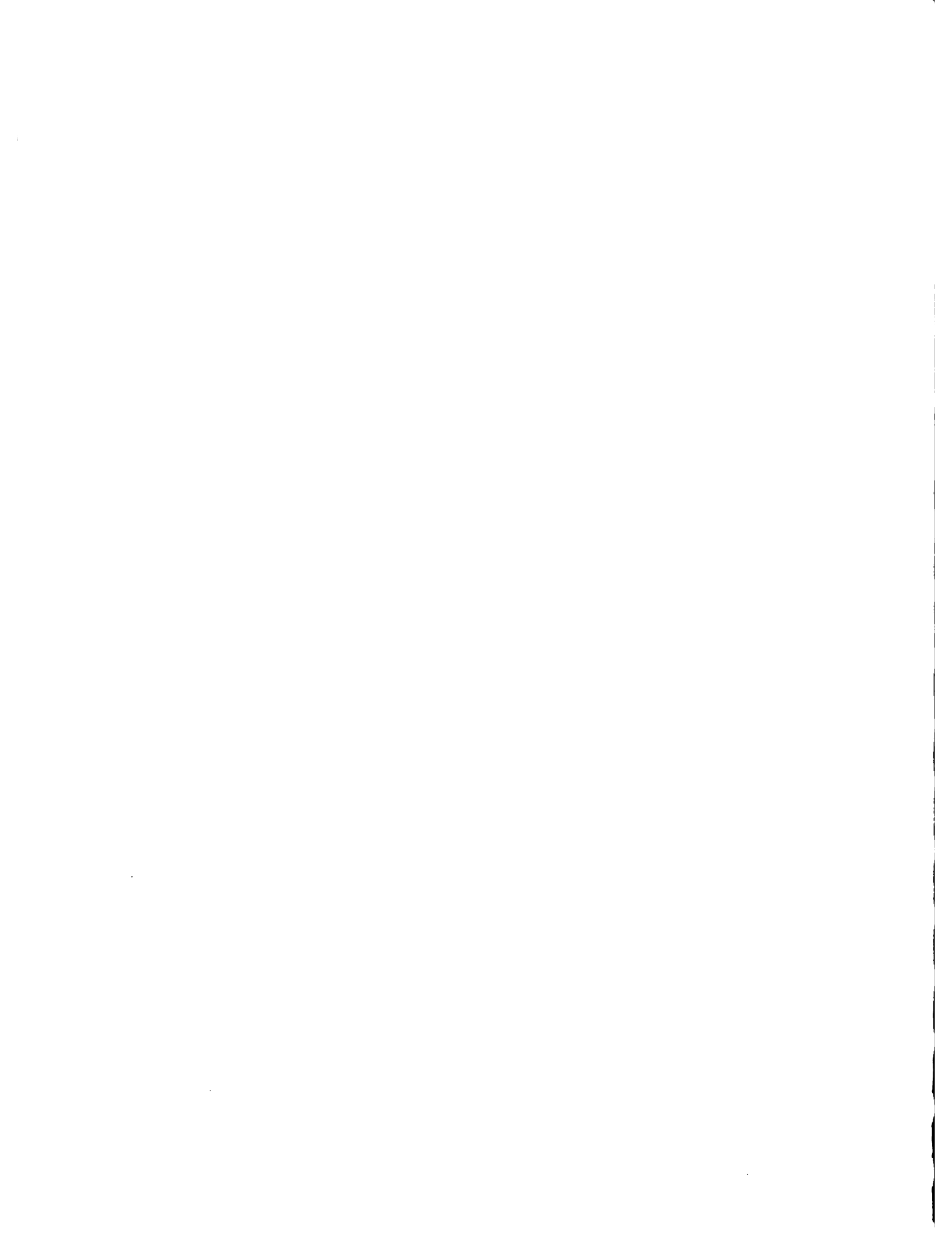
12. Financial Resources:

| PHASE | RESOURCES | YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 | TOTAL |
|--------------------|-----------|---------|---------|---------|---------|---------|
| I | IICA | 27,000 | 28,000 | 30,000 | 30,000 | 115,000 |
| | EXTERNAL | 78,000 | 60,000 | 50,000 | 30,000 | 218,000 |
| | | 105,000 | 88,000 | 80,000 | 60,000 | 333,000 |
| II | IICA | 23,002 | 23,729 | 48,000 | 72,361 | 167,092 |
| | EXTERNAL | 25,500 | 60,000 | 45,217 | 30,000 | 160,717 |
| | | 48,502 | 83,729 | 93,217 | 102,361 | 327,809 |
| GRAND TOTAL | | 153,502 | 171,729 | 173,217 | 162,361 | 660,809 |

13. Personnel (Main Professionals)

| Name | Specialization | Term | |
|----------------------|--|-------|------|
| | | Short | Long |
| Cromwell Crawford | Rural Development | | X |
| Narain Dyal | Crop Production | | X |
| Anthony Davies | Business & Project Management | | X |
| Maurice Bennett | Indigenous Matters, Education, Agriculture | | X |
| Thorwald Geuze | Tropical Forestry/ Agroforestry | | X |
| Charles Carmichael | Agricultural Economics | X | |
| Jerry La Gra | Rural Development Project | X | |
| Peter Ramsammy | Horticulture, Extension | X | |
| Pauline van den Ende | Tropical Forestry | | X |
| Gary Talboy | Coffee Marketing | X | |

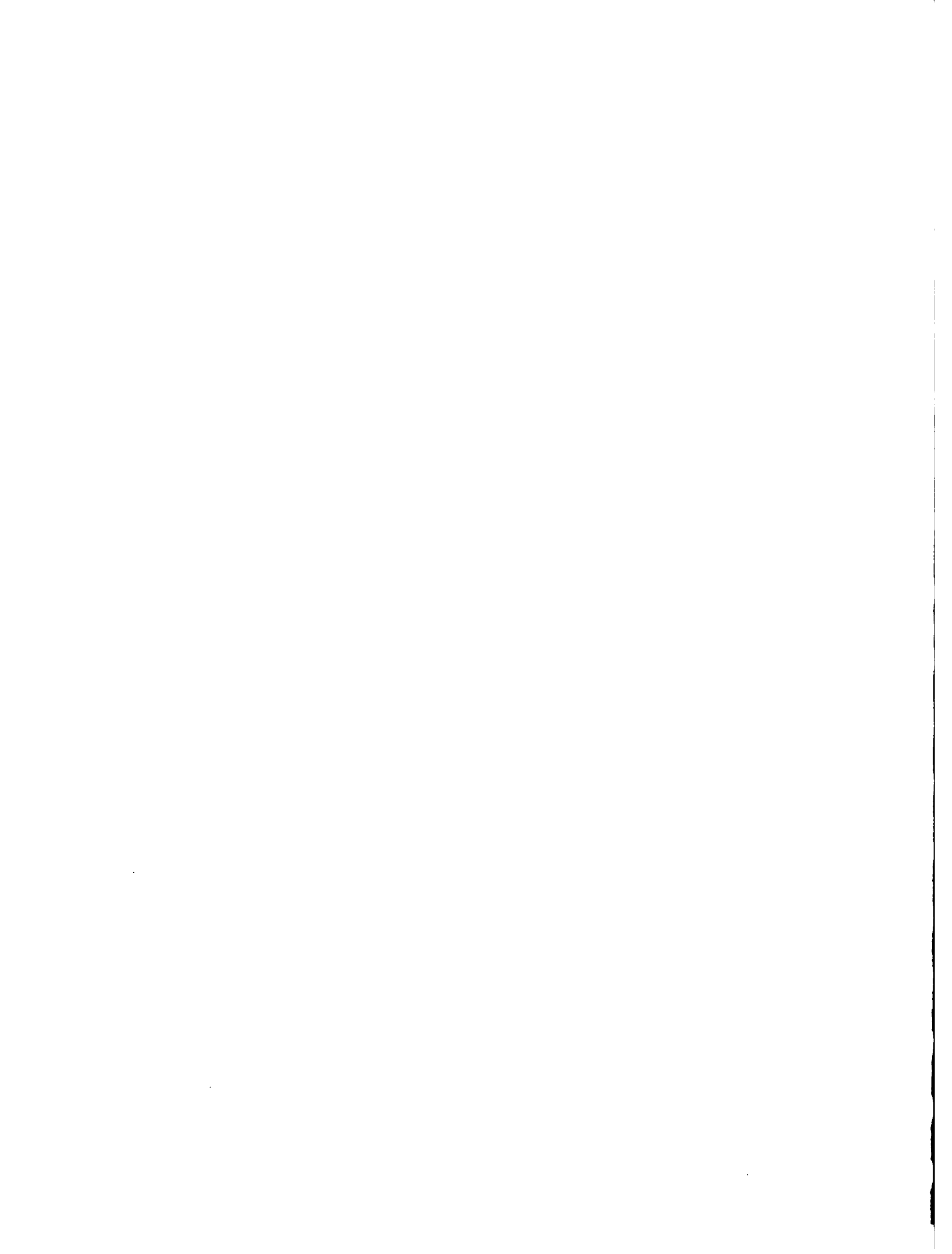
Indicate with X if it is long or short term.



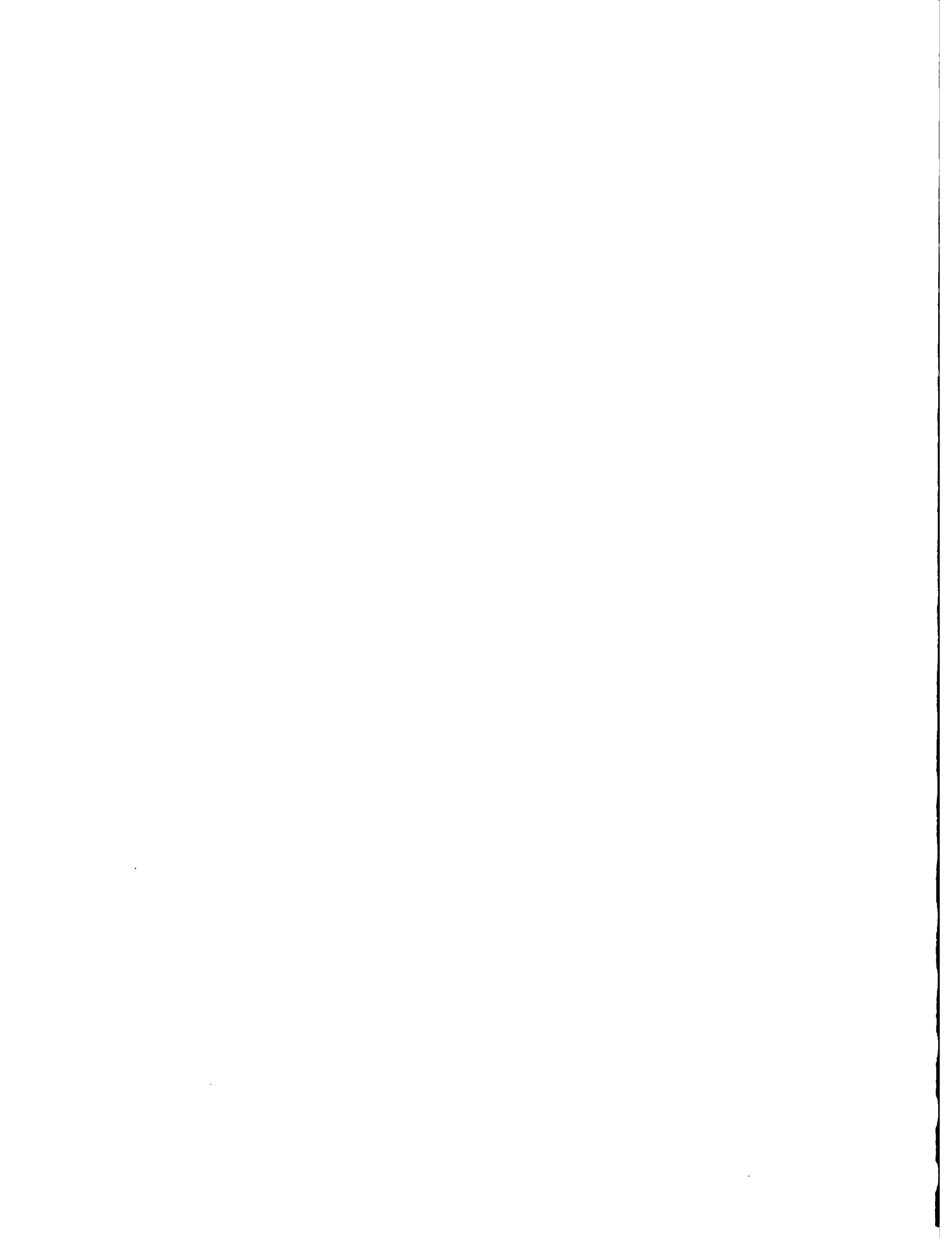
14. Expert Months

| | Short Term | Long Term |
|----------------------|------------|-----------|
| International | 8 | |
| National | 17 | 252 |

15. IICA TCA: Responsible Officer: Cromwell Crawford



PROFILES OF IICA PROFESSIONALS



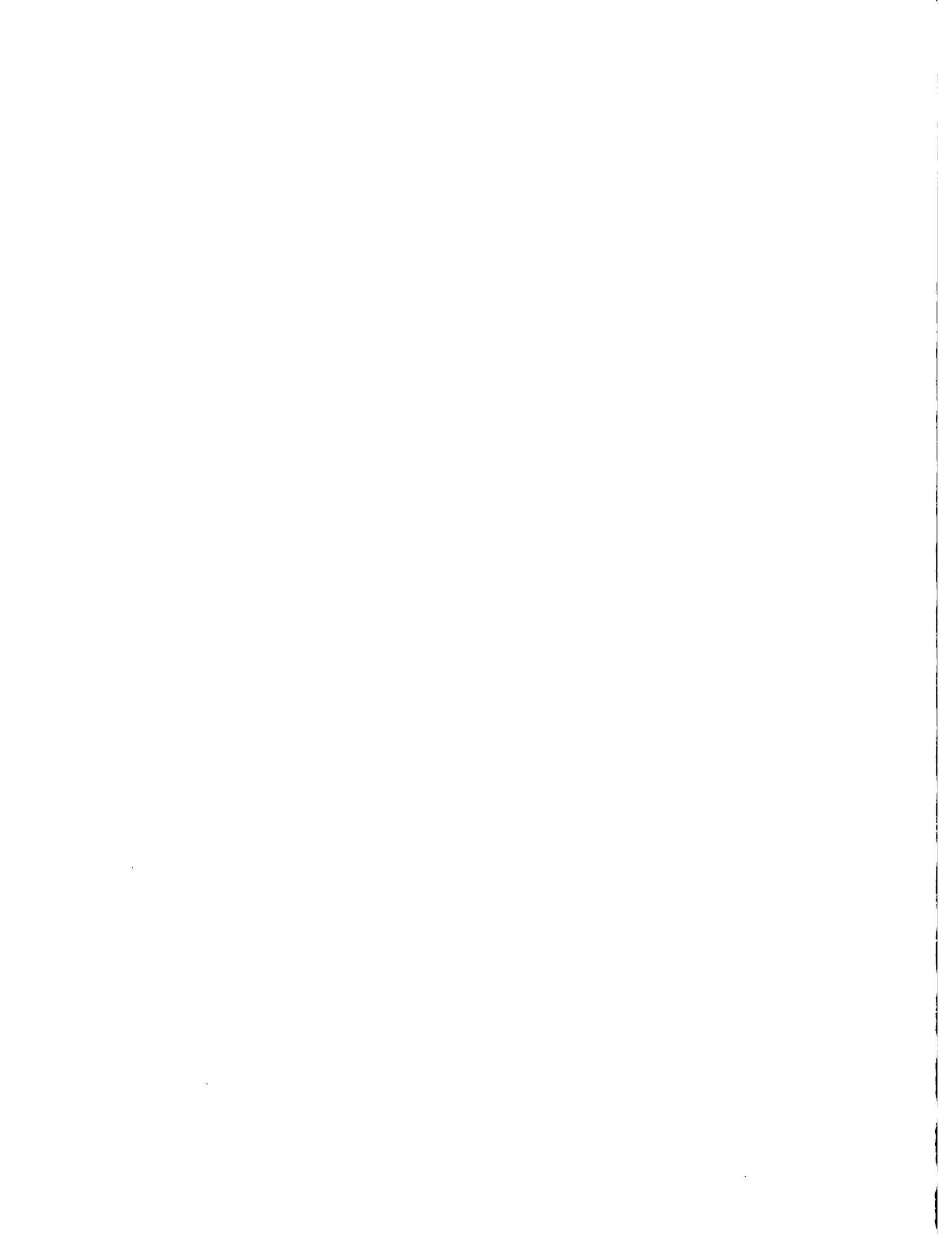
PETER RAMSAMMY

| | | | |
|------------------------------|--|------------------------|-------------------------------|
| Born: | 25 April 1950 | Nationality: | Guyanese |
| Languages: | English - fluent Spanish - working proficiency French - some knowledge | Highest Degree: | M.Sc. (Horticulture), 1994 |
| Country of Residence: | Guyana | | |
| Mailing Address: | P. O. Box 10-1089, Georgetown, Guyana, South America | | |
| Telephone: | (592) 2-68835/2-68347 | | |
| Fax: | (592) 2-58358 | | |
| E-mail: | pramsamm @ iica.org.gy | | |

Peter Ramsammy is currently employed as Agricultural Production/Extension Specialist in IICA. He has worked with the IICA TCA in Guyana for eleven years. He is widely experienced in a variety of areas and disciplines related to agricultural and rural development. A specialized horticulturist by training, experienced in biotechnology, nursery propagation and tropical fruit crop production he has worked for most of his professional life in the field of agricultural extension and rural development in Guyana. After earning his Bachelor of Science (Agriculture) in 1975 from the University of the West Indies (St. Augustine), he worked in the Extension and Education of the Ministry of Agriculture (Guyana), for six years, rising to position as a Senior Agricultural Officer. From 1981, he spent three years establishing a farm/homestead in the forested interior of Guyana. A USDA/CBI Research Fellowship at the USDA Tropical Agricultural Research Station (TARS) was awarded to him in 1992 and this also allowed for completion of an M.Sc. at the University of Puerto Rico, Mayagüez Campus, in 1994.

Horticulture:

Currently, Peter Ramsammy is responsible for implementation of the Guyana component of the IICA Regional Project - "Supporting the Development of Tropical Fruits in the Caribbean. Phase III". He has been employed in this Project since its inception in 1986, where his knowledge and skills in plant propagation, nursery design and management; tissue culture and tropical fruit production, have ensured that the Project continues to provide technical leadership in the development of this important non-traditional sub-sector. He has conducted research and written several monographs and technical extension bulletins related to the production and marketing of tropical fruit crops.



Agronomy:

Wide exposure to training and hands-on experience as an extension agent and farmer, has provided Peter Ramsammy with invaluable experience in the production of row, field and pasture crops. Working in several Projects over the last twenty one years, he has made important contributions in this area. As an extension officer in the Ministry of Agriculture between 1975 and 1981, he participated in the implementation of the Accelerated Production Drive (GoG), the National Grain Legume Programme (MoA/IICA-Simon Bolivar Fund) and the Food Crop Production and Marketing Programme (MoA/IDB). These Projects succeeded in ensuring national self-sufficiency in a variety of locally produced food crops. In these projects, he was involved in the training of extension agents and farmers in improved production and post-harvest technologies; the introduction and on-farm testing in commercial-sized plots (0.5-50 ha) of improved planting materials of a variety of food crops, including cassava and cowpeas; the management of a regional cash crop production incentive sub-programme and the organization of small-farmer Production Groups.

General Agriculture:

As part of his responsibilities as Regional Agricultural Extension Officer, Peter Ramsammy provided technical advise to, and organized training activities for farmers in aquaculture, apiculture, livestock husbandry, post-harvest handling, farm management and on-farm drainage and irrigation. His wide interest in small farm production systems is integrated in on-going contributions to the development of sustainable production systems, incorporating the principles agro-forestry, organic farming and bio-diversity management. He is extensively read in the field of ethno-botany and is currently involved as adviser to a small CIDA-funded applied research project in the use of botanicals in small farm pest management and crop protection programmes.

Agricultural Research:

Peter Ramsammy has acquired considerable skills and experience in conducting both component and systems (production and commodity) research in agriculture. For example, the techpack of improved plantain (*Musa* sp.) production practices he assembled as a result of applied research which he conducted during the mid-1980's is still widely recommended and used by local food crop farmers. This research was conducted under the IICA/MoA Small Farmer Development Project. Also, he was co-researcher responsible for determining the agronomic and management practices for the use of the popular antelope grass (*Echinochloa pyramidalis*) in small and medium-sized dairy units on coastal Guyana. This grass species is used both in grazing and non-grazing systems and is used for silage making. These appropriate dairy production technologies were introduced and promoted under the IICA/MoA project for the transfer of appropriate dairy production technology. In addition to field level experimentation, on-station and on-farm, he has achieved a high level of competence in laboratory based research - he started his career in a plant pathology laboratory and conducted his thesis research in a tissue culture laboratory. During his research fellowship attachment to the USDA, Tropical Agricultural Research Station and at the University of Puerto Rico, he worked on the development of tissue culture protocols for the regeneration of breadfruit (*Artocarpus altilis*) from stem apices.



Research/Extension Organization:

Over the last six years Peter Ramsammy has had the opportunity to make important contributions to the development of a strategy for improving the delivery of agriculturally related support services in Guyana. He recently acted as co-ordinator of a core technical group of a national Task Force on Agricultural Technology which developed the conceptual framework for the re-organization of the main public agricultural research and extension services. The re-organization process is well-underway and is expected to benefit from additional multilateral financing in 1997. His strong background in the biological sciences together with a lifelong working experience in extension is also reflected in several technical papers and publications in this area. Currently his interest is on the incorporation of participatory frameworks into the operation of support institutions as a means of generating systemic and sustainable synergies.

Agricultural Extension, Education, Communication and Rural Development:

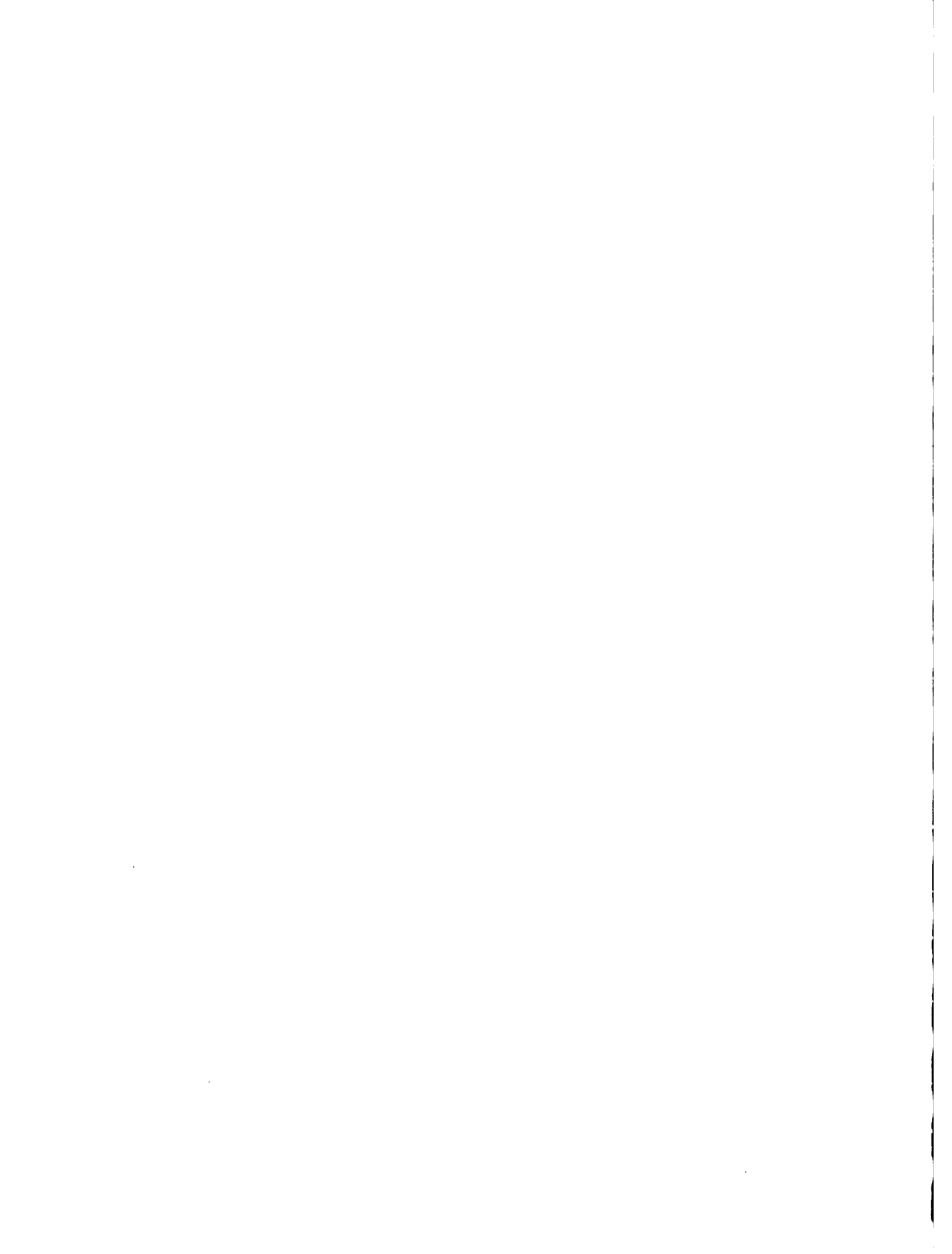
In the area of extension programme planning and evaluation, Peter Ramsammy has wide experience in the design and application of conventional as well as innovative, third generation tools. He is well-grounded and experienced in the theory and practice of participatory research and self-awareness methodologies. He is an active trainer in agricultural in-service and university programmes, and has served both as guest lecturer (various areas of agricultural science and rural development) and Senior Associate Lecturer (Rural Sociology and Agricultural Extension) in the Faculty of Agriculture, University of Guyana. At the project level, he is currently involved in supporting several NGOs in the execution of actions with rural communities, mainly in deep hinterland areas of Guyana. In the on-going UNICEF/Ministry of Amerindian Affairs Amazon Programme and the IFAD/Guyana Organization of Indigenous Peoples projects, he provides field-level training and technical advise in areas such as small farm agriculture, community organization, group dynamics, gender issues, project development and natural resource management. In addition, he is involved in the technical team activities of the IICA TCA in Guyana. In recognition of his outstanding career achievements as a professional agriculturist Peter Ramsammy was awarded an Agricultural Month Award in 1995.

Membership of Professional Societies, Etc.

Peter Ramsammy has membership in several professional groupings, including: the Society of Professional Agriculturists of Guyana (SPAG), the Caribbean Food Crops Society (CFC) and the Inter-American Society for Tropical Horticulture (ISTH). He is also a member of Gamma Sigma Delta, Honour Society of Agriculture (Puerto Rico chapter).

Publications, Papers presented, etc.

In over twenty one years of work as a professional agriculturist, Peter Ramsammy is credited as author or co-author for over thirty publications, technical papers and extension factsheets. A sampling of these materials is provided to indicate the wide range of subject matter and presentation formats included in his portfolio. Also co-author of several enterprise, sectorial and multinational project profiles and proposals in agriculture and rural development.



Publications

FORD, J.R.D., LALBACHAN, V. RAMNARINE and RAMSAMMY, P. 1985. *SMALL FARMER DEVELOPMENT IN GUYANA*. IICA. Miscellaneous Publication No. 550. ISSN 0534-5391. Georgetown. IICA, Guyana.

MUNOZ, H. and RAMSAMMY, P. 1986. *THE ANTELOPE ... A WELL ADAPTED GRASS FOR GUYANA'S COASTAL AREA*. IICA Miscellaneous Publication No. A2/GY-86-004. ISSN 0534-5391. IICA, Guyana.

MUNOZ, H. and RAMSAMMY, P. 1988. *ENSILAGE: A MEANS OF CONSERVING FORAGE*. IICA Miscellaneous Publication No. A2/GY-88-006. ISSN 0534-5391. IICA, Guyana.

La Gra, J., RAMSAMMY, P., Carmichael, C., Crawford, C. and Vokaty, S. 1996. *AGRICULTURE IN GUYANA: THE NEED FOR IMPROVED SUPPORT SERVICES*. Transition (25) June 1996, ISSN 1012-8268, Journal of the Faculty of Social sciences and the Institute for Development Studies, University of Guyana.

Technical Papers

RAMSAMMY, P. 1989. *THE CARAMBOLA IN GUYANA*. In Proceedings of the Interamerican Society for Tropical Horticulture, 33:12-25, ISSN 0254-2528, 1st International Carambola Workshop, Georgetown, Guyana.

RAMSAMMY, P. 1991. *PROSPECTS FOR EFFECTIVE LINKAGES BETWEEN THE AGRICULTURAL RESEARCH AND EXTENSION SYSTEMS IN GUYANA*. In Proceedings of the FAO/MoA/NARI National Workshop on the Linkages between Agricultural Technical Training, Research and Extension in Guyana. FAO, Rome.

RAMSAMMY, P. 1995. *THE CASHEW (Anacardium occidentale L.) IN GUYANA*. In Regional Meeting on Cashew Research and Development, IICA Miscellaneous Publications No. A2/TT-96-03. ISSN 0253-4746, Port of Spain, Trinidad and Tobago.

Extension Bulletins

RAMSAMMY, P. and MURRAY, G. 1990. *GROWING WEST INDIAN CHERRIES IN GUYANA*. Extension Bulletin. 5pp. IIA, Guyana.

RAMSAMMY, P. 1991. *PASSION FRUIT - A NEW CROP FOR GUYANA*. Extension Bulletin. 13pp. IICA, Guyana (Mimeo).

RAMSAMMY, P. 1991. *GROWING PINEAPPLES FOR EXPORT*. Extension Bulletin. 15pp. IICA. Guyana. (Mimeo).

RAMSAMMY, P. 1991. *IMPROVED PLANTAIN PRODUCTION PRACTICES*. Extension Bulletin. 12pp. IICA. Guyana.



CHARLES I. CARMICHAEL

| | | | |
|------------------------------|---|------------------------|---|
| Born: | January 1961 | Nationality: | Guyanese |
| Languages: | English - Fluent Serbian - Fluent | Highest Degree: | M.Sc. in Agricultural Economics (1992) |
| Country of Residence: | Guyana | | |
| Mailing Address: | P.O. Box 10-1089, Georgetown, Guyana, South America | | |
| Telephone: | (592) 2-68835/2-68347 | | |
| Fax: | (592) 2-58358 | | |

Mr. Charles Carmichael has been employed as a consultant with the Inter-American Institute for Cooperation on Agriculture in Guyana since June 1993. He has also worked as a consultant for other International Organizations including the Organization of American States (OAS), International Fund for Agricultural Development (IFAD), Food and Agricultural Organization (FAO). He holds a M.Sc. degree in Agricultural Economics, from the University of Belgrade, Yugoslavia, specializing in Agricultural Development and Planning.

He has been employed as a Secondary School Teacher in Guyana (1980-1982), and eight months experience as a Research Assistant at the University of Novi Sad, Yugoslavia (1989). He has also benefited from six months practical working experience at Irmovo Dairy Farm in Yugoslavia (1988-1989).

Planning and Policy:

| | |
|---------------|---|
| August 1995 | Coordinated a Work Group developing an appropriate Policy framework for the Agricultural sector, as part of the National Development Plan for Guyana. |
| February 1995 | Analysed the Institutional Framework of the Regional Administrative System in Guyana, with particular emphasis on the system in place for the provision of Agricultural Support Services. |
| December 1994 | Assisted in the preparation of a Cattle Development Policy Document for Guyana. |

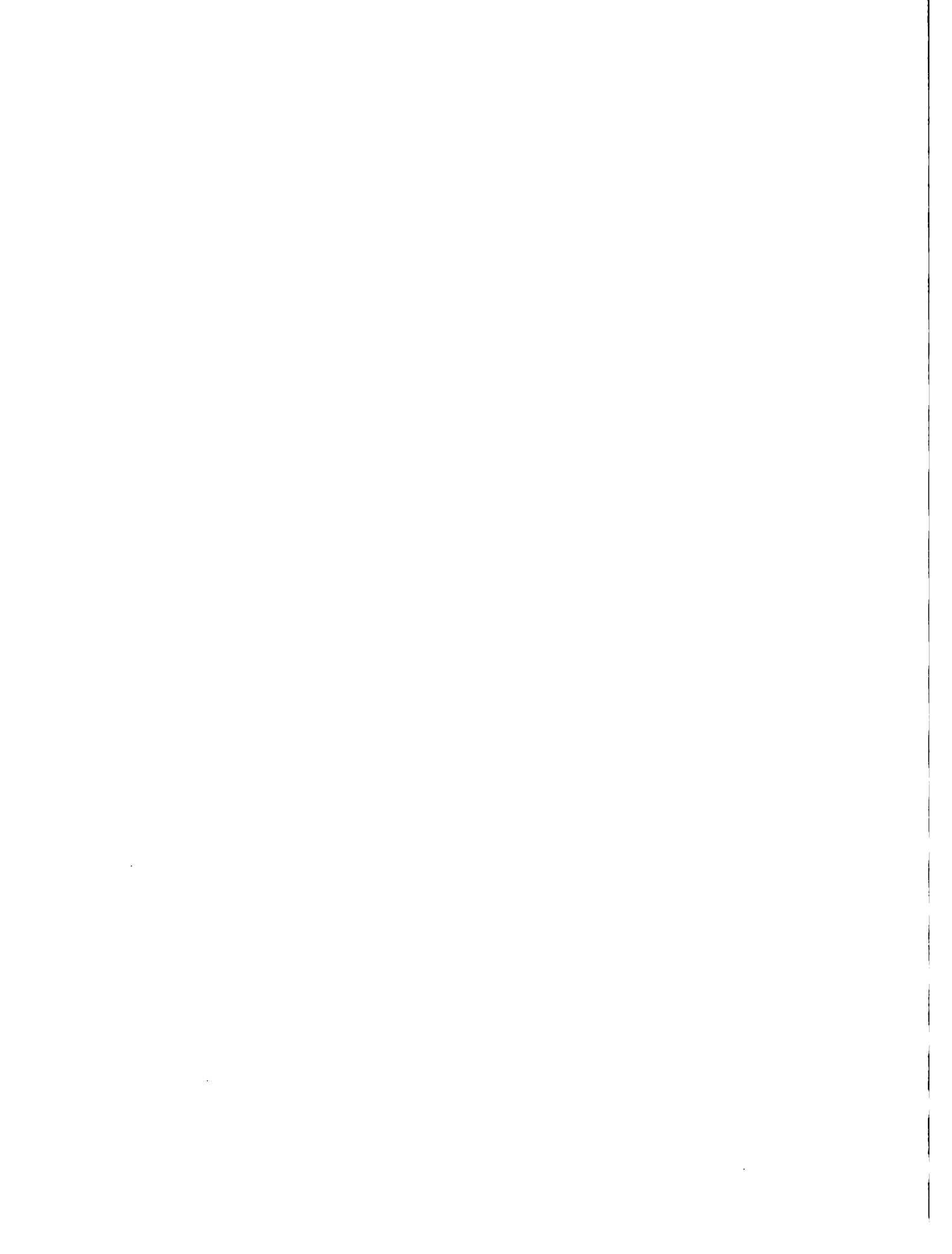


Project Development/Formulation:

- June- July 1996 National consultant contracted by IFAD to collaborate with International consultants in the preparation of a US\$ 13 million project intended to foster the development of small entrepreneurs in two coastal regions of Guyana.
- November- December 1995 Contracted by OAS to collaborate in the preparation of a document defining proposals for the agricultural development of the Intermediate savannahs of Guyana, an area covering over 90,000 acres.
- July 1995 Formulation of a Drainage and Irrigation Land Settlement Project proposal for the Crabwood Creek/Jackson/Moleson area (17,000 acres). This was a collaborative effort with the Ministry of Agriculture, Planning Department.
- April-September 1994 Participated as project economist to a team that prepared a project identifying and evaluating prospects for integrated agricultural development of the Intermediate Savannahs of Guyana (some 90,000 acres of potential agricultural land).
- November 1994 Assisted in the coordination and participated in IICA's Project Identification and Formulation Workshop in which technicians from key agriculture related Public and Private Sector Institutions participated.

Information and Documentation:

- November 1996- April 1997 Contracted by FAO to prepare a case study for Guyana as part of the project: Assessment of the impact and Policy Implications of trade Liberalization on the agricultural sector of selected CARICOM countries.
- September- October 1996 Preparation of a document defining the existing system of agricultural research in Guyana and Suriname and identifying areas of research opportunity and methodology for research priority setting.
- April 1995 Coordinated, executed and documented information from a Cost of Production survey for major agricultural products in Guyana.



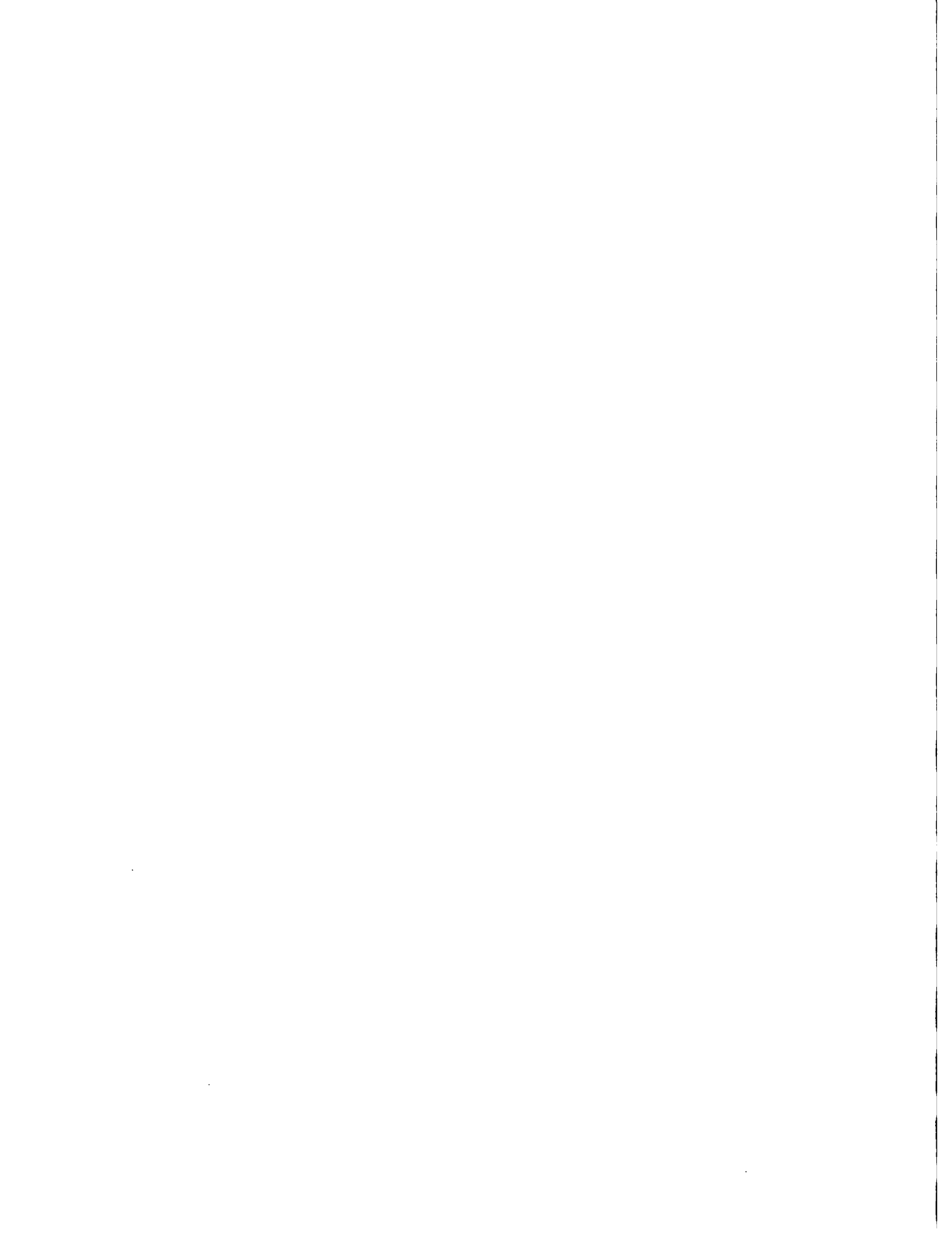
- March 1994** Completed a documented Overview of the Livestock sub-sector in Guyana.
- November 1993** Completed an Agricultural Situation Report for Guyana (1992).
- July 1993** Coordinated and participated in the Agricultural Sector Assessment Workshop. Assisted in editing the Proceedings from this Workshop. This document was used as the basis for preparing a Draft Policy Document for the agricultural sector.
- June 1993** Coordinated a IFAD/IICA Socio-Economic Survey of 760 Rural households in major agricultural regions of Guyana. Principal author of the final report that analysed the data obtained from the Socio-Economic Survey. This document was used as one of the base document for the preparation of a project proposal for a IDB funded Agricultural Support Services Programme.

Strengthening of Farmers' Organizations:

- January-December 1996** Coordinated a dairy production development project funded by IICA and AIC and aimed at strengthening 10 Dairy Farmers Associations and transferring appropriate technology to dairy farmers in Guyana.
- May 1995-December 1995** Coordinated and executed a survey of 40 Cattle Farmers' Associations in Guyana. Organized workshops for Representatives of these Associations in order to discuss measures for alleviating constraints and defining a plan of action.

Technology Transfer:

- June 1993-November 1994** Assisted in the coordination of the IICA project Supporting the Development of Livestock Production Systems in Guyana and Suriname. This project was aimed at transferring improved small and medium scale dairy production technology to coastal livestock producers. Technology transfer methodology included: On-farm demonstrations, in-service training and the establishment and monitoring of pilot farms .



Rural Development:

January-December 1996

Coordination of an Integrated Rural Development Project funded by the French Government and administered by IICA. This project is located at the St. Deny's Amerindian Community in the Essequibo Region of Guyana. This is a community with approximately 80 households, whose household income are derived primarily from lumbering and agriculture. This project includes assisting the community in the management of a 52 acre community farm and an agro-processing unit. A four acre agro-forestry research plot is also a component of the farm.

Publications:

Mr. Charles Carmichael has written or is joint author of numerous publications, of which the following is a representative selection:

- 1993 **Proceedings: Review of the agricultural sector in Guyana. Volume 2: Technical presentations.** IICA, Georgetown, Guyana. Co-authored publication.
- 1993 **Proceedings: Review of the agricultural sector in Guyana. Volume 1: Results of workgroup discussions.** IICA, Georgetown, Guyana. Co-authored publication.
- 1994 **Results of socio-economic survey in coastal areas of Guyana.** IICA, Georgetown, Guyana. Co-authored publication.
- 1994 **An overview of the livestock sub-sector in Guyana.** IICA, Georgetown, Guyana.
- 1994 **Sustainability of dairy production at St. Stanislaus College Farm: 10-year economic analysis.** IICA, Georgetown, Guyana.
- 1995 **Survey Report. Cost of production study.** IICA, Georgetown, Guyana (First Draft). Co-authored publication.
- 1995 **An evaluation of operations at FNPU in Lethem.** IICA, Georgetown, Guyana.
- 1995 **Prefeasibility Study (Draft). Crabwood Creek-Moleson-Jackson Development Project.** IICA, Georgetown, Guyana.
- 1996 **Striving for a more competitive and sustainable agriculture. The Saint Stanislaus College Farm project experience.** IICA, Georgetown, Guyana. January, 1996. Co-authored with J.R.D. Ford and H. Munoz.



CROMWELL CONSTANTINE CRAWFORD

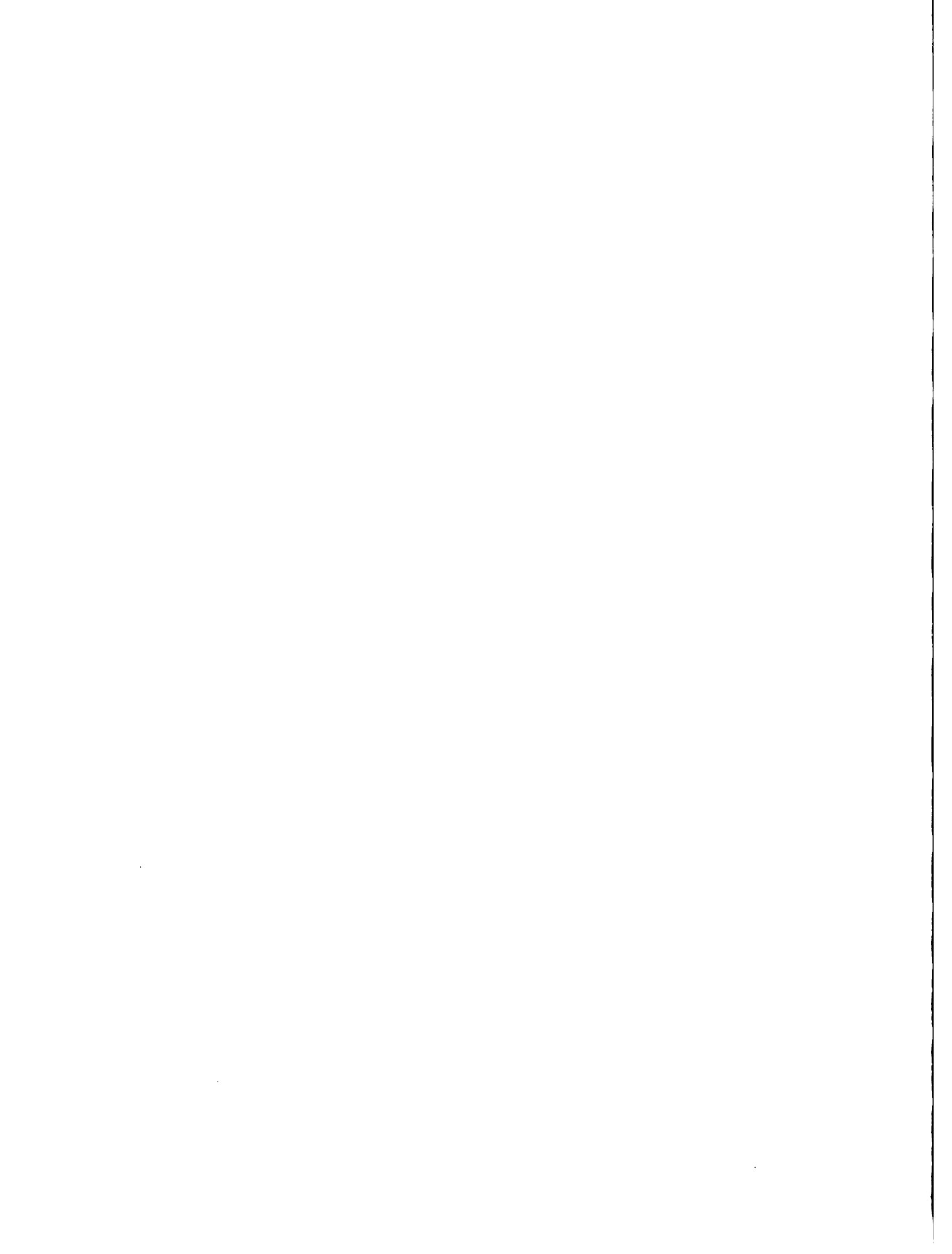
| | | | |
|------------------------------|--|------------------------|---|
| Born: | 1948 | Nationality: | Guyanese |
| Languages: | English - Fluent Spanish - Some Knowledge | Highest Degree: | M.Sc. in International Agriculture (1981) |
| Country of Residence: | Guyana | | |
| Mailing Address: | P.O. Box 10-1089 Georgetown, Guyana, South America | | |
| Telephone: | (592) 2-68835/2-68347 | | |
| Fax: | (592) 2-58358 | | |
| E-mail: | ccrawfor@iica.org.gy | | |

Mr. Cromwell C. Crawford has worked with IICA for seven years with responsibility for the coordination of Rural Development Activities of the Technical Cooperation Agency in Guyana. He holds a M.Sc. degree in International Agriculture from the University of Illinois, U.S.A. and a Graduate Diploma in Development Studies from the University of Guyana. Prior to his appointment with IICA, he held positions in Teaching, Teacher Education, Training and Administration in the Ministries of Education and Agriculture.

Project Management:

For seven years, Mr. Crawford has been responsible for coordinating inter-institutional and multi-disciplinary actions in the implementation of rural development projects in the Guyana TCA. During this period, his work entailed convening meetings and planning sessions with representatives of institutions involved in rural development activities in Guyana, and developing and implementing actions. It also involved extensive travelling to the hinterland regions of Guyana and working with leadership and members of Indigenous Amerindian Communities in formulating and implementing community development projects and other activities.

During the past three years, he helped design and test, in nine Indigenous Communities, Participatory Research Methodologies for determining needs and identifying problems and possible solutions, including formulation and implementation of development projects.



Mr. Crawford has successfully managed a US\$207,000 integrated rural development project and a successor project Strengthening Rural Development in Guyana to the annual value of US\$80,000. Within the umbrella RD Project, Mr. Crawford also managed a sub-Project entitled Strengthening of Amerindian Skills in Community Development to the value of \$121,354. The implementation of these projects have provided Mr. Crawford with a wealth of experience in administering and managing projects in Indigenous Amerindian Communities with their unique characteristics.

Mr. Crawford also coordinated the implementation of two French Funded Development Projects to the value of US\$108,000. The two projects included a communal farm in an Indigenous Amerindian community on which alternative land utilization techniques for forested areas including agroforestry systems were tested. The other entailed working with a peri-urban community farmers' group to organise and execute a US\$25,000 drainage and irrigation rehabilitation project necessary for intensive vegetable and fruit crop production. In both projects there were significant activities in group formation, group dynamics and strengthening of organizational and management skills of the groups involved.

Education and Training:

Mr. Crawford has over fifteen years' experience in Education and Training. He was involved in teaching Agricultural Science, Agricultural Education and Extension Methodologies in secondary schools, teacher education institutions, an intermediate animal health institution and the University of Guyana.

From 1982 to 1992, Mr. Crawford provided expertise to the Caribbean Examinations Council in the development and administration of a Secondary School Certificate Examination in Agricultural Science. He served as a member of the Examining Panel which was responsible for articulating policy and designing syllabuses. He also served as Assistant Examiner which involved marking and grading of scripts and, for one year, successfully operated as Chief Examiner of the Agricultural Science Single Award Examination. This position entailed preparing question paper, mark schemes, managing the marking and grading exercises and preparing relevant reports. These positions provided Mr. Crawford with very useful insights into the development of Agriculture in the Caribbean and a unique opportunity to meaningfully contribute to that process.



Educational Administration:

As Deputy Chief Education Officer, Mr. Crawford provided effective leadership in the organization and management of the National, Technical and Vocational Education System. He was advisor to the Minister of Education on all matters related to the administration of Technical and Vocational Education, prepared Cabinet papers and other working documents on Technical and Vocational and represented the Ministry at numerous forums.

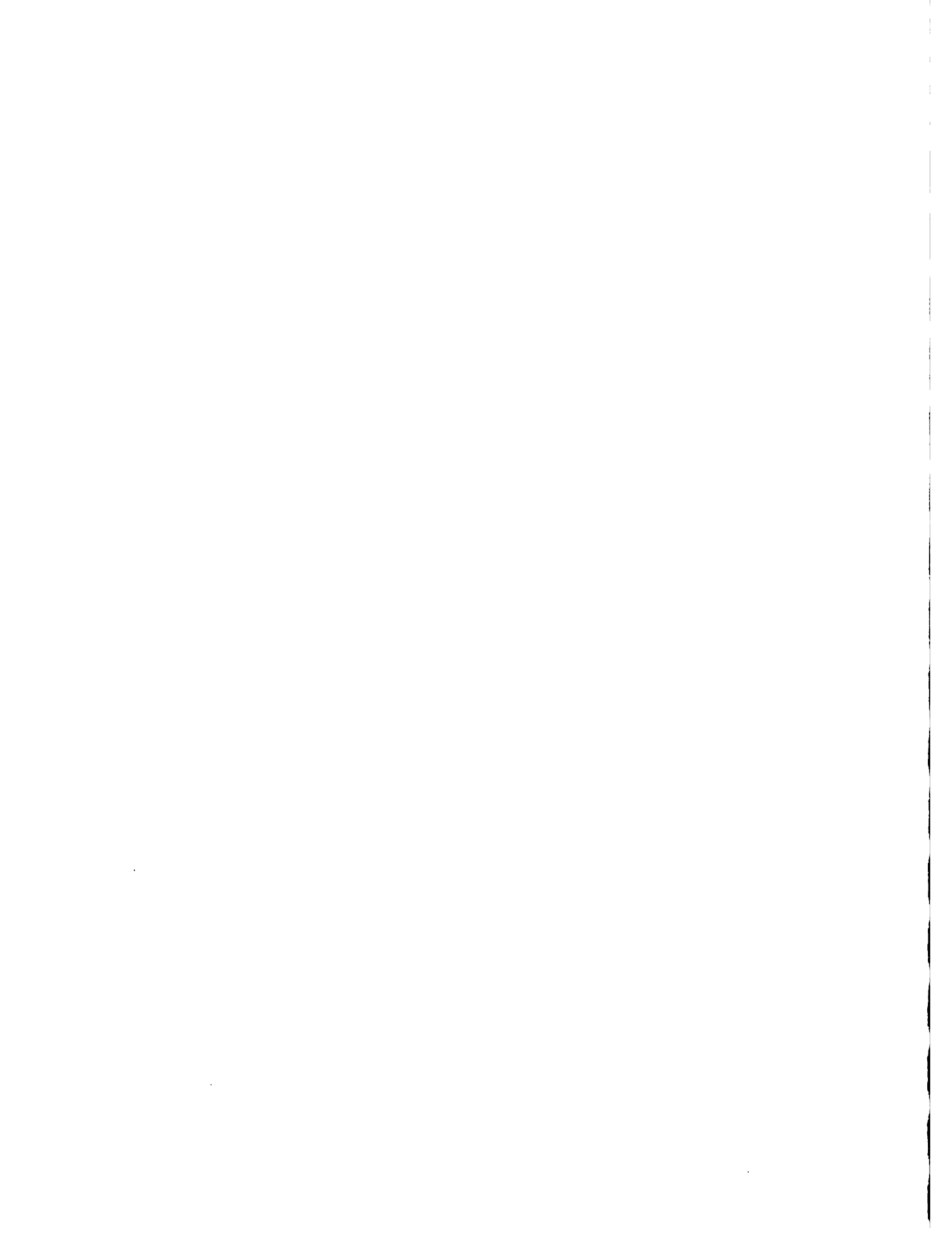
He effectively administered four post secondary technical and vocational colleges providing leadership in programme design, curriculum development and the development of income generation and cost recovery programmes for all the institutions. Mr. Crawford was also responsible for the administration of vocational programmes in secondary schools.

Farm Management:

Mr. Crawford comes from a farming background and has successfully managed two medium-sized farms comprising mixed farming systems in two ecozones in Guyana - one of 25 acres on the coastal clays and one in the intermediate sandy region of 30 acres. He coordinated the development of farm plans, securing relevant inputs and producing and marketing of commodities including rice, poultry and pig products, vegetables and fruit.

Committee Work:

Mr. Crawford served actively on several committees established for the development of agriculture. For five years, 1982-1986, he was a member of the Board of Governors of the Guyana School of Agriculture, providing in particular, guidance in the areas of programming and curriculum development. He also served for four years (1984-1988) as a member of the Advisory Board of the Faculty of Agriculture, University of Guyana. During 1992-1993, Mr. Crawford was Secretary of the Society of Professional Agriculturists of Guyana. Over that period, the Society organized several important professional events including an international conference of the Commonwealth Society of Professional Agriculturists. During 1995, Mr. Crawford coordinated the activities of a sub-group on agricultural institutions in the preparation of the agricultural input for the National Development Strategy Document.



MAXINE P. PARRIS-AARON

| | | | |
|------------------------------|--|------------------------|--|
| Born: | 1958 | Nationality: | Guyanese (Guyana, South America) |
| Languages: | English - Fluent | Highest Degree: | M.Sc. in Tropical Veterinary Medicine (1991) |
| Country of Residence: | Guyana, South America | | |
| Mailing Address: | P.O Box 10-1089, Georgetown, Guyana, South America | | |
| Telephone: | (592) 2-68835/2 - 68347 | | |
| Fax: | (592) 2-58358 | | |

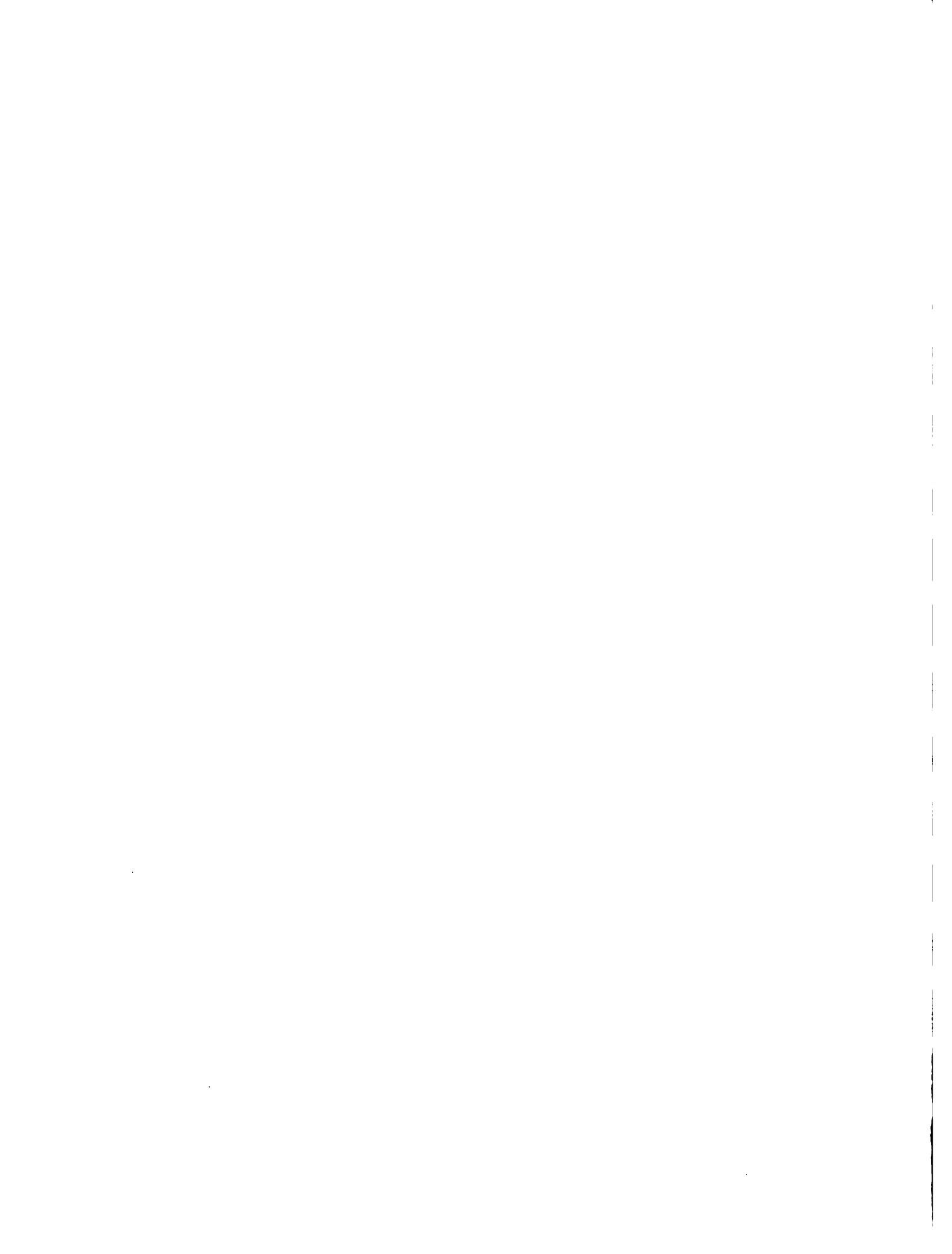
Dr. Maxine Parris-Aaron has worked in the United Kingdom and in Guyana. In the former country she worked for 2 years as a research assistant while in the latter she has functioned as a veterinarian in various capacities since graduating in 1986 from the Tuskegee University of Veterinary Medicine. Her period of work was interrupted only by her studies to obtain her M.Sc. in Tropical Veterinary Medicine (1990-1991) at the Center for Tropical Veterinary Medicine, Edinburgh, Scotland.

Research:

Dr. Parris-Aaron has experience in research, having functioned as research assistant in the Oncology Department of the Kent and Canterbury Hospital, Canterbury, United Kingdom. She was involved in statistical analysis of data previously collected.

Later, from 1994 to present, she has been involved in the project entitled "Hemoparasite Network for the Guianas", serving as Guyana's coordinator since its inception. She played a key role in this project, collecting and conducting laboratory analysis of the blood samples, thereby utilising her advanced hemoparasite diagnostic training received at CIRAD-EMVT in French Guiana in July 1995.

Information on this survey was presented at the First Symposium on New World Trypanosome held in Georgetown, Guyana in November, 1996 and at the XX Biennial Congress of the Caribbean Veterinary Medical Association held in Barbados in December, 1996.



Lecturer in Veterinary Medicine:

Dr. Parris-Aaron has, since graduating from the Tuskegee University of Veterinary Medicine in 1986, shared her theoretical and practical knowledge with students in a number of institutions in Guyana. She taught clinical pathology and supervised ambulatory clinics for students in the Regional Educational Programme for Animal Health Assistants (REPAHA), a CARICOM supported institution, and has lectured to technicians, farmers and students at the St. Stanislaus Dairy Training Centre in Guyana. Additionally, Dr. Parris-Aaron has lectured to students at other institutions of learning in various aspects of Veterinary Medicine and Animal Health and Production.

Programme Coordination:

Dr. Parris-Aaron was an employee of the Ministry of Agriculture in Guyana from October 1986-August 1990 and October 1993-February 1996 and held the posts of Veterinary Officer and Senior Veterinary Officer (ag) during those years.

She was responsible for the supervision of Animal Health Assistants in the field providing veterinary services to the farmers and the functioning of the pet animal quarantine facilities of the Ministry of Agriculture. Additionally, she assisted in the preparation of the annual work programme of the Animal Services Division, Ministry of Agriculture.

Since joining the technical team of the Inter-American Institute for Cooperation in Agriculture in March 1996, Dr. Parris-Aaron, in her capacity of National Coordinator (Guyana and Suriname) of the Agricultural Health Project, has been involved in sharing technical skills with colleagues in those two countries and has assisted in the sourcing and allocating of resources for projects in those countries.

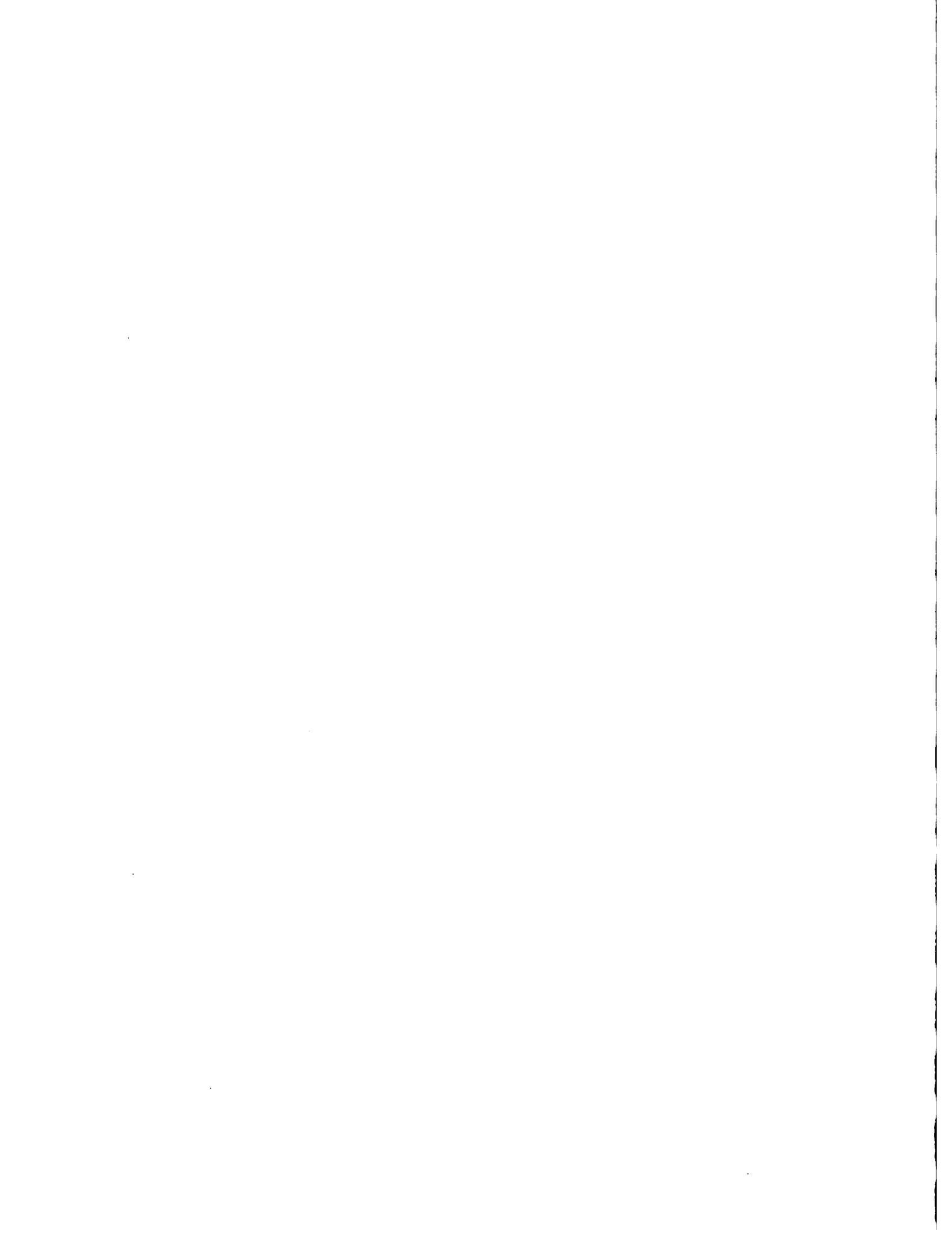
Veterinary Medical Practitioner:

As a Veterinarian, Dr Parris-Aaron has utilized the skills of her profession in Guyana since graduating in 1986. She has been involved in mixed animal (pet and food) practice for the past 10 years.

Publications:

Dr. Parris-Aaron has co-authored one publication and has presented two papers at two conferences held during November and December 1996. One of these two papers will be published later this year in the conference's proceedings.

1994: **Hemoparasite Information Network for the Guianas" In The Kenya Veterinarian 18 (2) 35-37. Co-authored with S. Vokaty, L. Applewhaite, M. Desquesnes & S. de la Roche.**



JERRY L. LA GRA

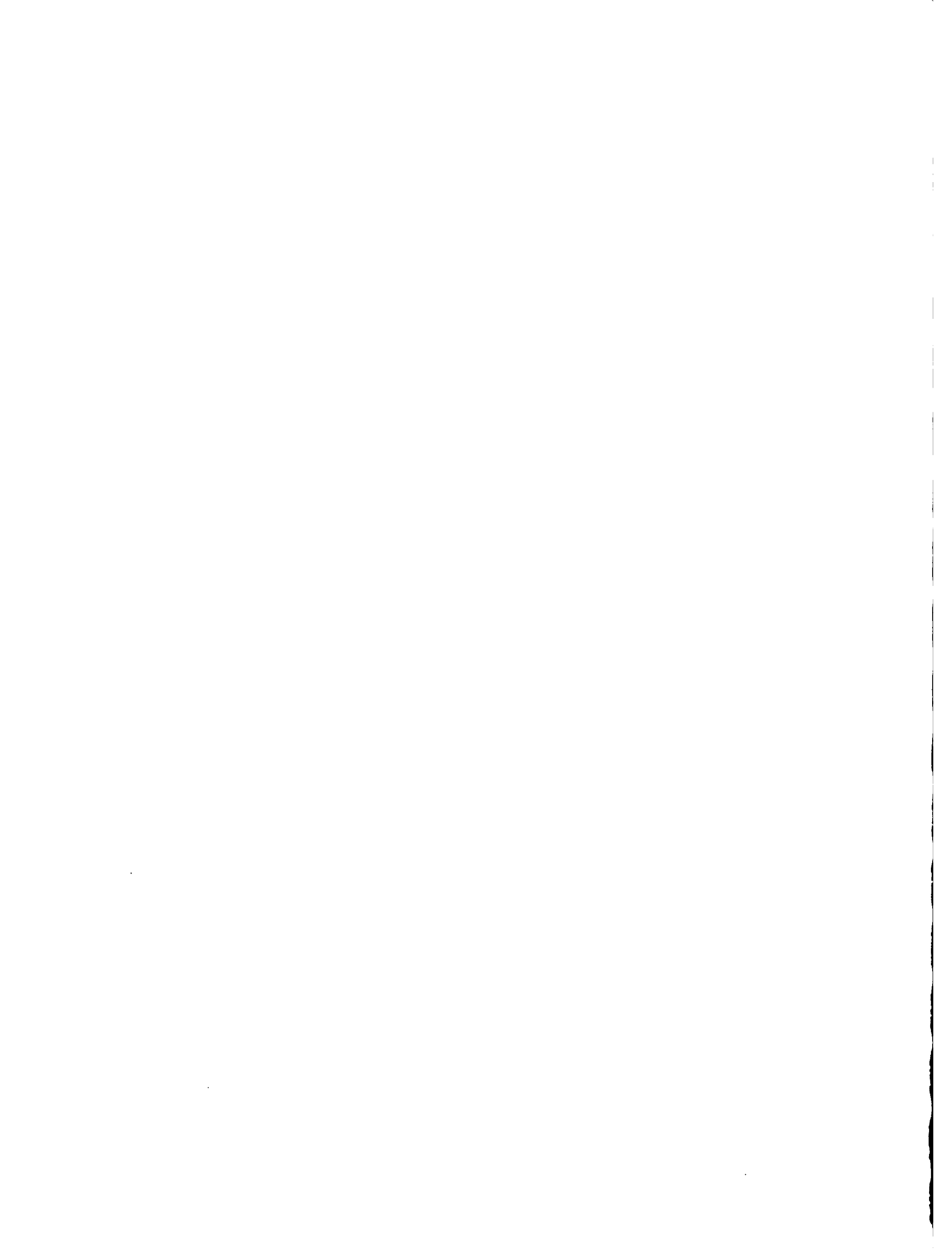
| | | | |
|------------------------------|---|------------------------|--|
| Born: | 1939 | Nationality: | USA |
| Languages: | English - Fluent Spanish - Fluent French - Some Knowledge | Highest Degree: | M.A. in Agricultural Economics (1969) |
| Country of Residence: | Guyana | | |
| Mailing Address: | P.O. Box 10-1089, Georgetown, Guyana, South America | | |
| Telephone: | (592) 2-68835/2-68347/2-63413 | | |
| Fax: | (592) 2-58358 | | |
| E-mail: | jlagra@caribsurf.com | | |

Mr. Jerry L. La Gra has worked in the Caribbean (both Greater and Lesser Antilles) since 1963, initiating his career as a Peace Corps Volunteer in the Dominican Republic. He holds a M. A. degree in Agricultural Economics from Washington State University (1969) and has held positions as specialist in Water Resources (USAID), Landuse (OAS), and Projects, Marketing and Rural Development (IICA).

Management:

Since 1993, Mr. La Gra has held the position of Representative of IICA's Technical Cooperation Agency (TCA) in Guyana where he carries out both technical and administrative functions. He is responsible for the management and coordination of IICA activities and the supervision of a staff of 20 persons. He supports the work of nine professionals involved in agricultural development activities spanning the areas of strategic planning and project development, horticulture, livestock development, sustainable rural development and agricultural health. Through hands-on experiences he has transferred his knowledge of systems and problem analysis to his technical staff and hundreds of persons throughout the region. Given his extensive experience in agricultural marketing, postharvest commodity systems and farmer organization he works closely with professional staff involved in rural development and production/marketing related projects. For example, at the present time he is supporting the development of a project for the improved production, processing and marketing of Liberica coffee to a North American specialty market.

Over the past four years, Mr. La Gra has promoted and supervised the execution of over 30 technical studies on the agricultural and rural sectors in Guyana. The information generated is used by multiple institutions in decision making and in the formulation of development projects. He has a facility for conceptualization and formulation of projects and since 1993 has written or contributed to 18 small-scale development projects which have been funded by multiple national and international sources.



Strengthening of Farmers' Organizations:

As Rural Development Specialist with IICA in six Eastern Caribbean States (1985-1992), Mr. La Gra was responsible for strengthening farmers organizations to improve their marketing capabilities. He collaborated in the preparation of over 200 case studies on farmers organizations in eight countries, generating information for the design of an effective development strategy. His technical support resulted in the organization of the Caribbean Farmers Development Company which, at its peak, included 12 farmers organizations from five countries and annual exports (1991) of agricultural produce exceeding US\$1 m to Europe and North America.

During five years he edited the regional newspaper **Focus on Rural Development** which was disseminated throughout the Caribbean and helped to integrate numerous NGOs and farmer organizations.

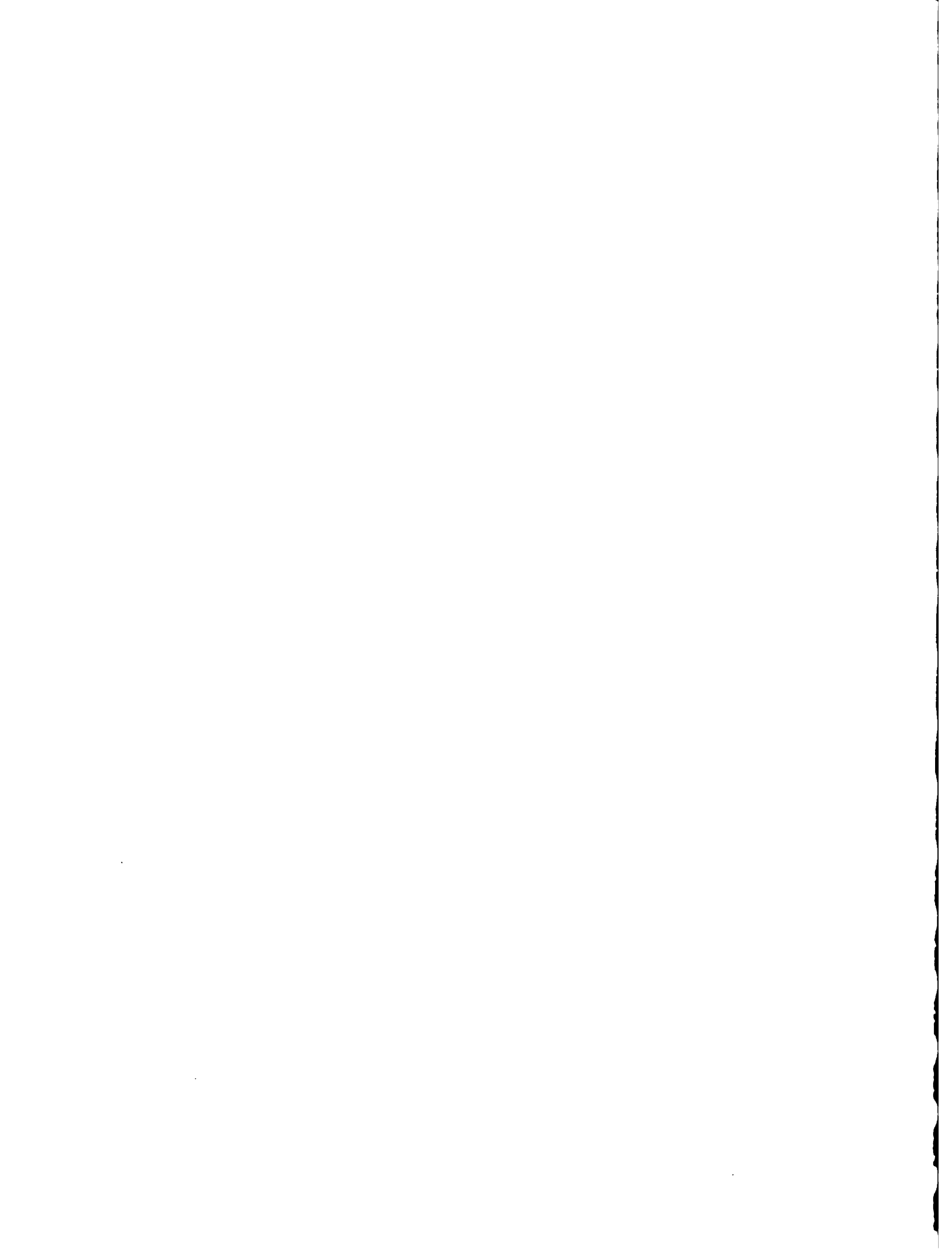
He provided technical assistance and training in problem identification and project formulation to leaders of farmers organizations and was instrumental in accessing US\$1.2 m from development organizations in benefit of small farmers of the OECS.

Marketing and Postharvest Systems:

While based in the Dominican Republic (1975-1985) as Marketing Specialist with IICA, Mr. La Gra coordinated the execution of a diagnosis of the internal marketing system in that country. This study, executed over two years, resulted in over 40 publications and a book documenting the production, processing and marketing of 25 products. This information complemented his marketing and postharvest research conducted in Haiti, Jamaica, Taiwan and Malaysia and led to the formulation of a methodological approach for analyzing commodity systems.

Under a short-term assignment with the Postharvest Institute for Perishables (PIP) he led a team of professionals to six ASEAN countries where the first draft of the publication **A Commodity Systems Assessment Methodology for Problem and Project Identification**, was written. This manual was later published by PIP in English, Spanish and French and is presently being used by numerous development agencies in Africa, Asia, Latin America and the Caribbean. Mr. La Gra has organized numerous one and two week training courses for key participants in commodity systems, using his manual to identify cause and effect relationships in a particular commodity system and, through a logical process, formulate projects and development strategies.

During his work in the Dominican Republic, Mr. La Gra served as Coordinator of the project to establish **Integrated Rural Service Centers (CENSERI)** throughout the country. Forty-two CENSERI's were established, at a cost of US\$3m, financed by USAID and IFAD. Over 500 farmers associations with a total membership of approximately 25,000 farmers benefitted. Each center provided basic services including supply of farm inputs and consumer goods and marketing information. Other services such as processing/preparation, short-term storage and transportation of commodities were provided based on need.



Land Use:

As Land Use Specialist with the OAS in Haiti (1969-1972), Mr. La Gra conducted a landuse study of the Artibonite Valley, approximately 25,000 hectares of irrigated land with drainage problems. The study was published by the OAS as part of an integrated study of Haiti's natural resources.

Project Specialist:

As IICA Project Specialist in Haiti (1972-1973), Mr. La Gra coordinated a nine month training program for 25 agricultural professionals in project formulation and evaluation. Seven pre-feasibility studies led to the formulation of five projects of which four were determined feasible and were eventually implemented with funding from USAID, IDB and the German government. He later led the efforts to study the Ministry of Agriculture's institutional structure and formulated a project for the creation and strengthening of Planning and Marketing units. Both projects were funded by CIDA and implemented by IICA over a four year period.

While stationed in the Dominican Republic, he coordinated the work of 80 professionals in the formulation of four development projects in the areas of livestock development, rice production/marketing, agroforestry and marketing. All four projects were successfully completed and presented to IDB by the Government.

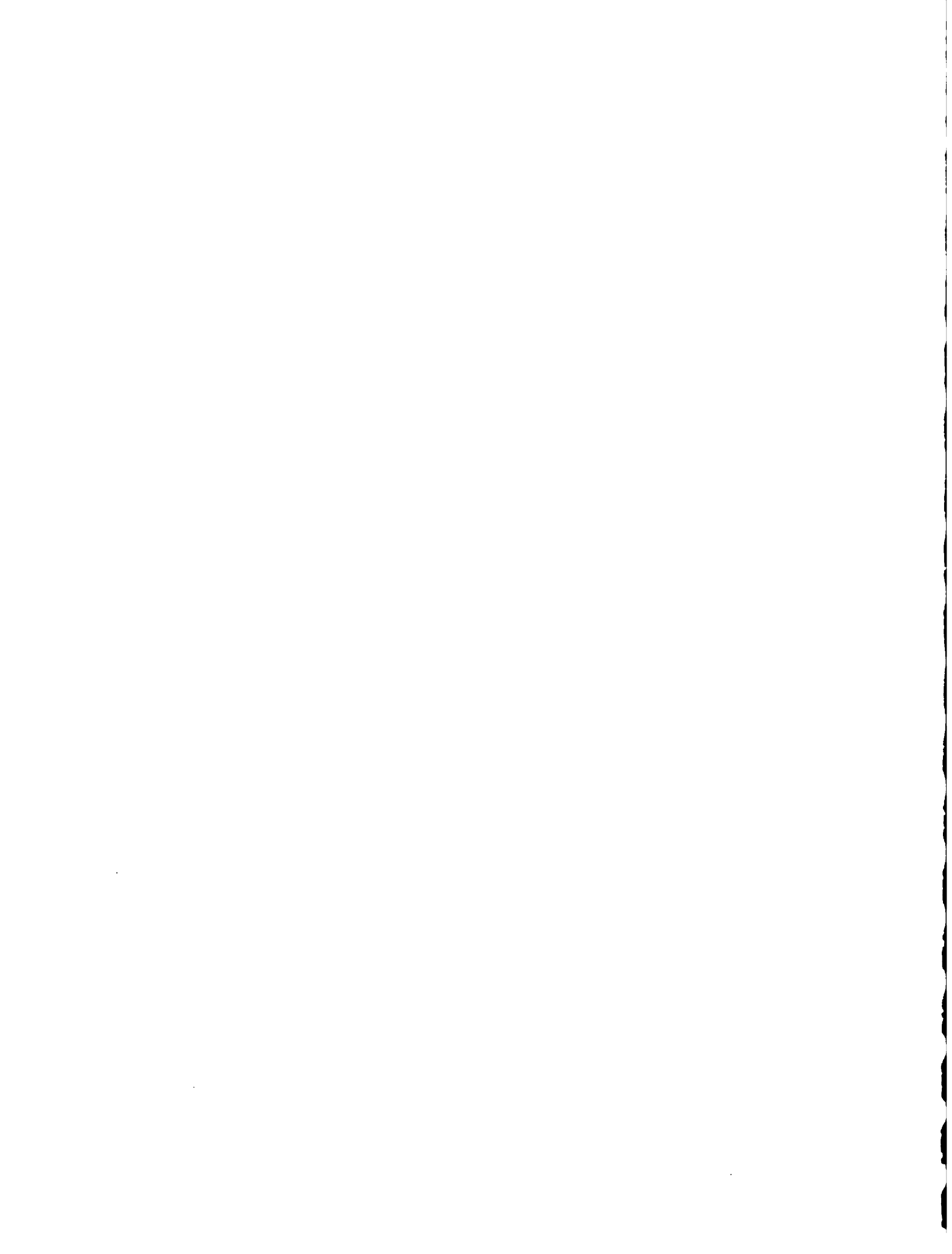
Water Resource Development:

During a two-year contract with USAID (1965-1966) Mr. La Gra was assigned to work with the Office of Community Development in the Dominican Republic. He helped establish its Water Resources Technical Unit, provided technical assistance in well drilling and developing potable water systems and provided practical training of its staff. He led the unit in the development of three irrigation projects in benefit of 150 small farmers.

Publications

Mr. La Gra has written or joint authored over 50 publications including three books. A short list of representative publications follows:

- 1996 **Agriculture in Guyana: the need for improved support services.** Co-authored with members of IICA technical staff and published in *Transition*, Issue 25, June, 1996. 18 pp. Georgetown, Guyana, Journal of the Faculty of Social Sciences and Institute of Development Studies (IDS), University of Guyana.
- 1992 **Workshop proceedings: Rural development strategies in the Caribbean (November 25-27, 1991).** IICA/CNIRD. IICA Office in St. Lucia. Co-authored publication.



- 1991 **Profiles of farmers organizations in Grenada.** Miscellaneous Publication ISSN-0534-5391, A2/GD-91-003, IICA Office, St. George's, Grenada. Co-authored with J. Murillo-Yepes.
- 1991 **Final Report: Training of ANACAFE (Guatemala) technical personnel in commodity systems assessment.** GTS Report No. 113. Post Harvest Institute for Perishables, Moscow, Idaho. (English and Spanish).
- 1990 **A commodity systems assessment methodology for problem and project identification.** Post Harvest Institute for Perishables, University of Idaho, Moscow, Idaho. English, Spanish and French.
- 1990 **Proceedings: Workshop on products, marketing and certification of organic food (October 16-21, 1989).** Miscellaneous Publication ISSN 0253-4746, A2-DM-90-002, IICA Office, Roseau, Dominica. Co-authored with B. Borland.
- 1987 **The fruit sub-sector in the Windward islands: diagnosis-strategy-actions.** IICA Office, Castries, St. Lucia. Co-authored with R. Marte.
- 1985 **Censo de entradas y salidas de productos agropecuarios a la ciudad de Santo Domingo.** IICA/SEA/ADN, Santo Domingo, Republica Dominicana.
- 1985 **Formulacion de un plan de accion a corto plazo dentro de un marco de seguridad alimentaria: marco orientador.** Publicacion Miscelanea No. 566, IICA, Santo Domingo, Republica Dominicana. Co-authored publication.
- 1983 **An integrated approach to the study of postharvest problems in tropical countries: a case study in Taiwan.** Postharvest Institute for Perishables, University of Idaho, Moscow, Idaho.
- 1983 **Developing marketing systems in the Dominican Republic** in book edited by Hans F. Illy, "Politics, public administration and rural development in the Caribbean". Arnold-Berstraesser-institut. Welforum verlag, Munchen, Germany.
- 1983 **El rol de la organizacion campesina en el mercadeo.** III congreso de sociologia, problematica rural en Republica Dominicana, 18-21 octubre, 1982. Asociacion Dominicana de Sociologos. Santo Domingo, Republica Dominicana.
- 1982 **Identificacion, evaluacion y reduccion de perdidas de postcosecha: arroz en la Republica Dominicana.** Publicacion Miscelanea No. 358, IICA, Santo Domingo, Republica Dominicana. Spanish with English summary. Co-authored publication.
- 1981 **An overview of postharvest losses in the Caribbean.** Commonwealth Secretariat, Vol. 2, Report of Postharvest Losses Consultative Meeting. London.



- 1980 **An institutional analysis of the Guyana Marketing Corporation.** Miscellaneous Publication No. 267, IICA, Georgetown, Guyana. Co-authored with J.R.D. Ford.
- 1979 **An agricultural marketing strategy for the Caribbean: 1980's.** Miscellaneous Publication No. 220, IICA, Santo Domingo, Dominican Republic.
- 1972 **Mission d'assistance technique integree. Chapitre 5, Agriculture. Du IIeme volume, Developpement Sectoriel.** OEA, Washington, D.C.



CVs OF IICA PROFESSIONALS



CURRICULUM VITAE

Name: Bernard E. Francois **Address:** PO Box 10-1089
Date of Birth: 21-11-56 Georgetown
Marital Status: Married Guyana
Dependence: Wife and 2 daughters South America
Citizenship: Grenada **Tel:** (592)2-68835/68347

Summary of Qualifications

February 1989 -
May 1991

**Australian National University
Canberra, Australia**

Ph.D. Economics of Development. Courses studied included: Special Topics in Econometrics; Case Studies in Applied Econometrics; Macroeconomics and Microeconomics Theory. Ph.D. dissertation entitled "The Effects of Monetary Integration: The Case of Grenada in the East Caribbean Monetary Union." Thesis included the construction and use of a macroeconomic model of the Grenadian economy for monetary, fiscal and exchange rate policy analyses.

February 1988 -
December 1988

**Australian National University
Canberra, Australia**

Masters of Economics of Development. Subjects studied included: Quantitative International Economics; Macroeconomics of Development; Trade Industrialization and the International Economy; Economic Models and Econometrics. Major research conducted entitled "An Evaluation of Farm Credit in Developing Countries."

August 1982 -
September 1984

**University of Guelph
Ontario, Canada.**

Masters of Science (Agricultural Economics). Subjects studied included: Case Studies in farm Management; Advanced Economic Theory (Macro and Micro); Linear Programming; Advanced Management Theory. Thesis entitled "An Analysis of the Economic Feasibility of Irrigating Peanuts in Ontario." Thesis included the development of indices of water and low temperature stress and response function models.

October 1978 - July
1981

**University of the West Indies
St. Augustine, Trinidad**

Bachelor of Science (Agriculture), University of the West Indies, Trinidad. Subjects studied included: Principles of Crop Production; Principles of Animal Production; Natural Resource Economics; Agricultural Communication; Agricultural Policy and Development Finance; Agricultural Marketing. Major research paper entitled "An Evaluation of the Agricultural Extension Service in Grenada".



August 1996 -
present

Professional experience

Inter-American Institute for Cooperation on Agriculture Bridgetown, Barbados

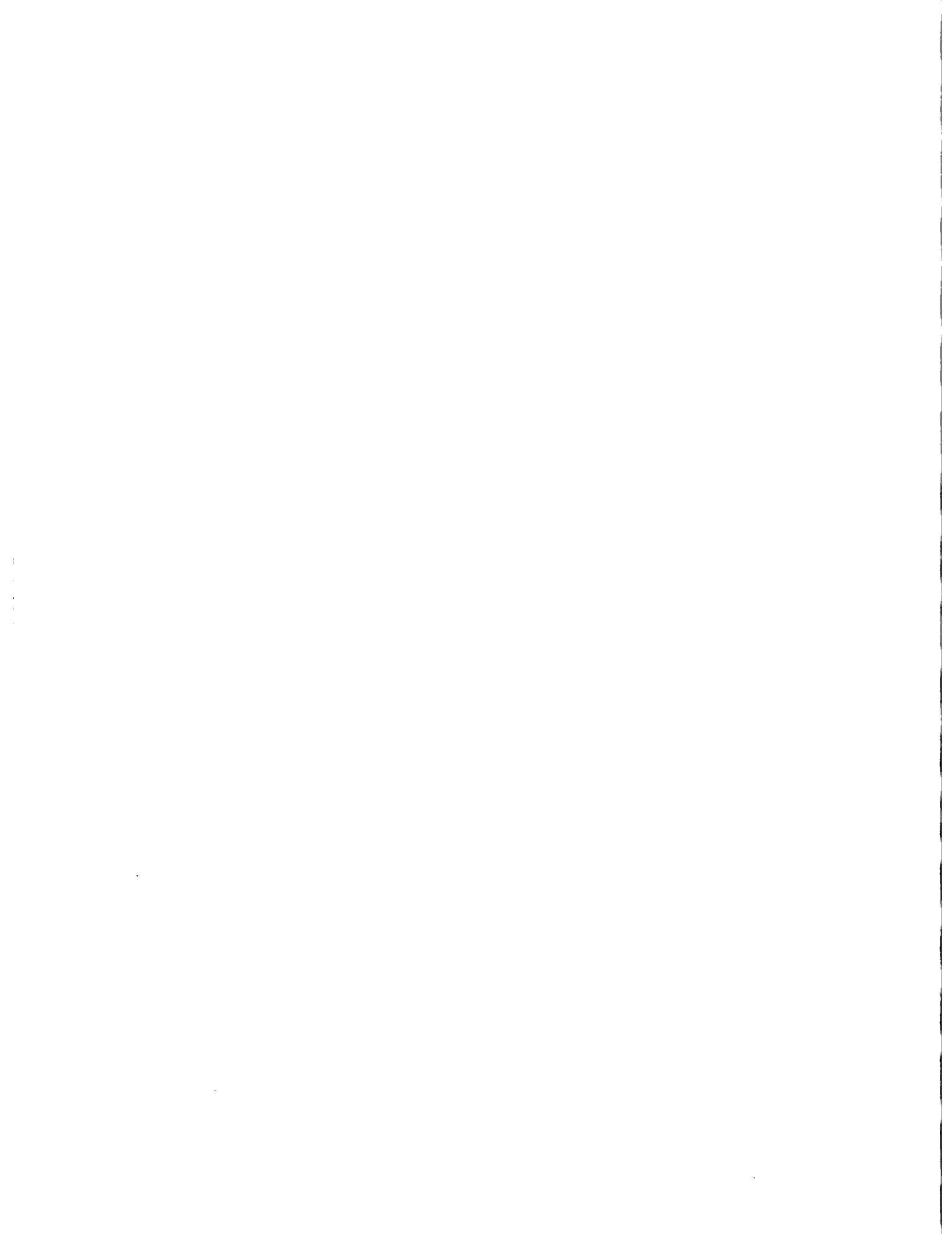
Planning, programming and Project Specialist, Inter-American Institute for Cooperation on Agriculture (IICA), Guyana.

November 1992 -
August 1996

Inter-American Institute for Cooperation on Agriculture Bridgetown, Barbados

Project Specialist, Inter-American Institute for Cooperation on Agriculture (IICA), Barbados. Duties include the identification and preparation of agricultural investment projects in collaboration with the Ministries of Agriculture of the IICA member countries in the Caribbean; the conducting of agricultural sector studies; training of Ministries of Agriculture and private sector personnel in project identification and preparation. Activities concluded include:

1. *participated in the preparation of an agricultural sector Study of St. Kitts and Nevis;*
2. *developed a US\$13.7 million agricultural investment project "The Generation and Transfer of Technology in Support of Cotton Production in the Caribbean" for Antigua, Barbados, Montserrat and St. Kitts/Nevis;*
3. *prepared a US\$5.74 million investment project for tropical fruit production for the Ministry of Agriculture, Grenada; project before international funding agencies for funding;*
4. *prepared investment project for the prevention of fruit fly infestation in non-infested islands and its eradication from infested Organisation of East Caribbean States member countries of the Caribbean;*
5. *prepared four project profiles on behalf of the Caribbean Community Secretariat (CARICOM) for submission to the EEC for funding under Lome 4; included are "Upgrading Plant and Animal Quarantine in the Caribbean" and "Citrus Production in the Caribbean".*
6. *conducted training courses in project identification, preparation and evaluation utilizing a "learning by doing approach" in Dominica, St. Lucia, Guyana, Jamaica and St. Kitts for ministry of agriculture and private sector personnel; the courses resulted in a number of project profiles being prepared which are being elaborated into full feasibility studies;*
7. *prepared and delivered training on Shadow Pricing and Opportunity Costs in a course on Policy Formulation for participants drawn from the Ministries of Agriculture of 15 Caribbean countries;*



Professional experience Continued

*November 1991 -
October 1992*

Inter-American Institute for Cooperation on Agriculture San Jose, Costa Rica

Junior Professional, Inter-American Institute for Cooperation on Agriculture, Costa Rica. Participated in a 3-month intensive Spanish language course and short attachments to the technical programs in IICA to become functional in Spanish.

*July 1991 -
November 1991*

Lake Farms Ltd. St. Patricks Grenada

Consultant to Lake Farms Ltd., a 90 acre private farm which was being developed for producing non-traditional crops for the local and export markets.

*March 1991 - April
1991*

Australian National University Canberra, Australia

Graduate Research Assistant, Australian National University. Duties included the compilation of a database and the analysis of world trade in forest products.

*February 1989 -
July 1989*

Australian National University Canberra, Australia

Graduate Teaching Assistant, Australian National University. Tutor for the graduate diploma course "Issues of Development."

*January 1985 -
November 1987*

Caribbean Agricultural Research and Development Institute Castries, St. Lucia

Agricultural Economist. Duties included the participation in a multi-disciplinary team on the USAID funded Farming Systems Research and Development Project for the design, implementation and evaluation of field-station and on-farm agricultural experimental trials on fruits and vegetables for the Eastern Caribbean. Participated in the design, and project leader of an IDRC of Canada funded farm classification project.

*October 1984 to
January 1985*

Ministry of Agriculture St. Georges, Grenada

Agricultural Economist, Ministry of Agriculture, Grenada.

*July 1981 to July
1982*

Ministry of Agriculture St. Georges, Grenada

Agricultural Assistant, Ministry of Agriculture, Grenada. Duties included the supervision of agricultural extension in the Northern District, the development of curriculum for, and the supervision of a project for the training of youths in modern agricultural techniques.

Other areas of competence

Competent in the use of micro-computers and software packages including Microsoft Word for Windows and Word Perfect (word processing); Supercalc, Lotus with Monte Carlo Risk Simulation, Quatro Pro and Microsoft Excel for Windows (spreadsheets); Dbase III plus; DATAFIT and ESP (econometrics); FAPRO (agricultural project analysis).

Short courses attended

Participated in a Management for Excellence Seminar sponsored by IICA, August 1993.

Participated in a training course in the use of FAPRO for agricultural investment project analysis in Honduras, April 1993.

Participated in a Project Preparation and Evaluation course conducted by the Organization of American States (OAS) in Grenada, August to October 1981.

Publications and papers presented at conferences

Paulraj, I and Francois, B. 1995. Technical and Economic Aspects of Producing Mushrooms in the Caribbean: in Chinnery, L. and Walmsley, D. (eds.) Proceedings of the 31st Annual Meeting of the Caribbean Food Crops Society.

Francois, E. B. 1994. An Approach to Agricultural Investment Project Preparation in the Caribbean. A paper presented at the Development and Project planning Centre, University of Bradford, England, January 18, 1994.

Francois, E. B. 1991. The Benefits and Costs of Monetary Integration: The case of Grenada in the East Caribbean Monetary Union. Islands/Australia Working Paper No. 91/10. National Centre for Development Studies, Australian National University, Canberra.

Francois, E. B. 1991. An Econometric Model of the Economy of Grenada. Islands/Australia Working Paper No. 91/11. National Centre for Development Studies, Australian National University, Canberra.

Francois, E. B. 1991. The Effects of Monetary Union; The Case of Grenada in the East Caribbean Monetary Union. Ph.D. dissertation, Australian National University, Canberra.

Publications and papers presented at conferences continued

Francois, E. B. 1988. An Economic Evaluation of Grenada's Supply of Bananas to the United Kingdom and the United Kingdom Demand for Bananas. Research undertaken in partial fulfillment of the degree of Masters of Economics of Development, Australian National University

Francois, E. B. 1988. An Economic Evaluation of Farm Credit in Developing Countries. Research undertaken in partial fulfillment of the degree of Masters of Economics of Development, Australian National University.

Francois, E. B. 1987. An Economic Evaluation of Yam and Yam-based Inter cropping Systems in St. Lucia. Paper presented at the second Caribbean Regional Workshop on Tropical Root Crops, St. Vincent.

Francois, E. B., Douglas, C., and George, C. 1986. Economic Evaluation of Inter cropping Yams with Food Crops. Paper presented at the 22nd meeting of the Caribbean Food Crops Society, St. Lucia.

Francois, E. B., Douglas, C., Patterson, H., George, C. and Sampson, L. 1986. Improving Farm Incomes by Inter cropping Aroids with Beans. Paper presented at the twenty second meeting of the Caribbean Food Crops Society, St. Lucia.

Francois, E. B. 1984. An Analysis of the Economic Feasibility of Irrigating Peanuts in Ontario. MSc. thesis, University of Guelph, Canada.

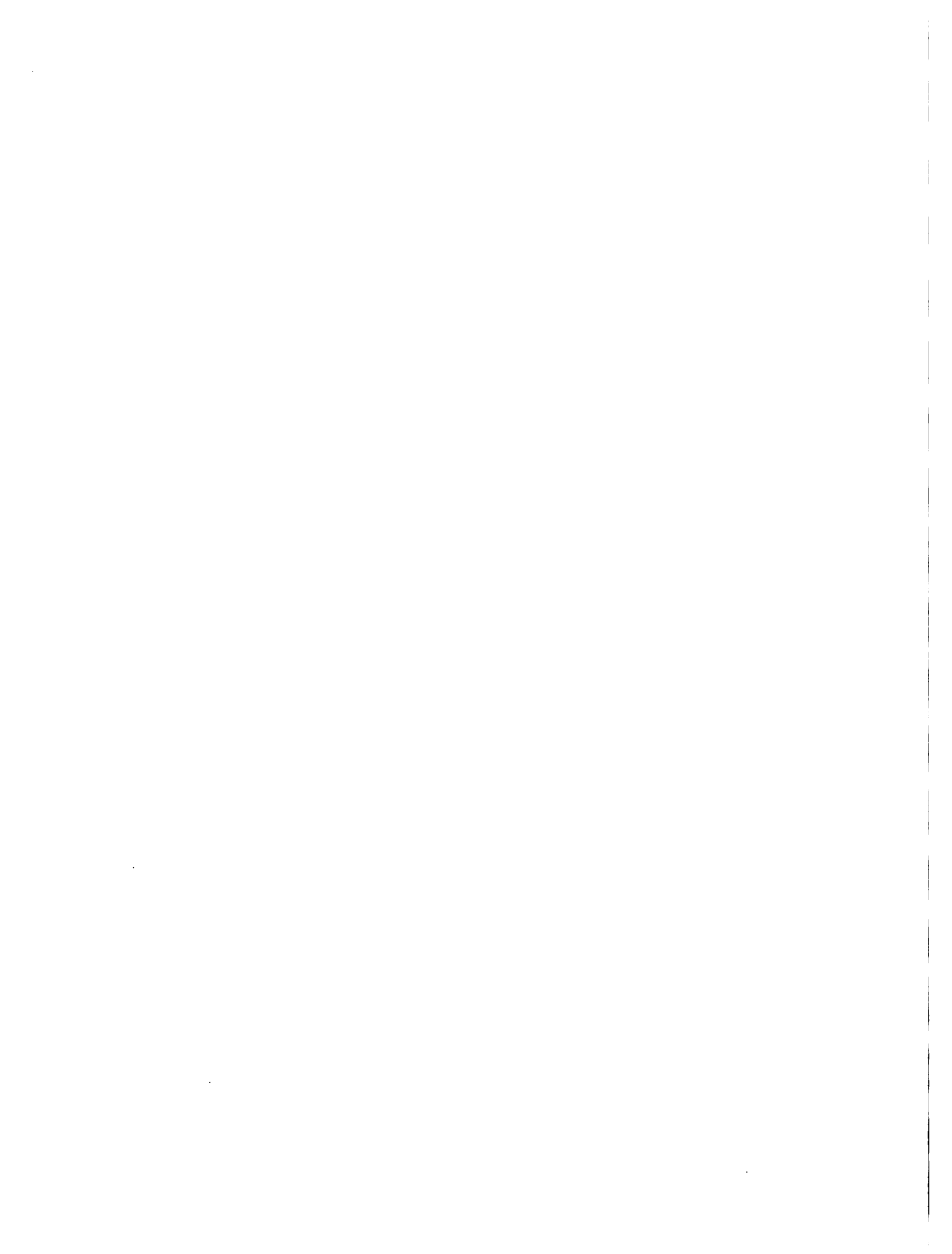
Francois, E. B. 1981. An Analysis of the Agricultural Extension Service in Grenada. Research undertaken in partial fulfillment of the requirements for the Bachelor of Science Degree in Tropical Agriculture, University of the West Indies, Trinidad.

Other issues

Read, Speak and write Spanish fairly well.

Rotary International Scholar 1988 to 1991. Gave talks to various Rotary Clubs in Canberra on Grenada and the Caribbean.

The results of the research conducted on peanuts in Canada was reconfirmed by later studies at the University of Guelph using heaters in the field to eliminate the low temperature stress. This led to the termination of attempts to produce peanuts in Ontario.



PETER RAMSAMMY
164 Century Palm Gardens
D'urban Backlands, Lodge
Greater Georgetown, GUYANA

A. Bio-Data

Date of Birth: 25th April 1950

Place of Birth: Georgetown, Guyana

Nationality: Guyanese

Marital Status: Married

No. of children: Two (F): 18 and 15 years

Languages: English - mother tongue
Spanish - working knowledge
French - working knowledge

Interests: Development Issues, Bio-Dynamic Farming, Sustainable Energy Systems

Office Address: Inter-American Institute for Co-operation on Agriculture (IICA)
TCA in Guyana
P.O. Box 10-1089, Georgetown, Guyana.

B. Academic Qualifications

1975 B.Sc. (Agriculture)
 Second Class Honours
 Lower Division
 University of the West Indies
 St. Augustine, Trinidad

1994 M.Sc. (Horticulture)
 University of Puerto Rico
 Mayagüez Campus, Puerto Rico

C. Post-Graduate Training

- 1996 **Regional Training Course - Citrus Budwood Certification, (IICA)**
National Workshop - Use of CSEGRIN Database, Improved Seed Production in CARICOM, (FAO/MoA)
Regional Training Workshop - Clonal Selection and Rapid Multiplication of Pineapples (IICA/CIRAD-FLHOR/NFWG)
- 1995 **National Workshop - Emergency Action Response to Exotic Pests (FAO/MoA/IICA)**
Regional Workshop - Pest Risk Analysis for Caribbean Plant Protection (FAO/CARICOM/IICA)
- 1992 **USDA-ARS CBI-Research Fellowship (USDA-ARS-TARS, Mayagüez, Puerto Rico)**
- 1991 **3rd Regional CARAPHIN Course-Monitoring Pests and Diseases of Crops and Livestock in the Caribbean (MFPP/IICA/CEPAT)**
- 1990 **Training Course-Small Farmer Seed Productions Systems (FAO/MoA)**
- 1989 **In-Service Training Course (CARAPHIN)-Use of a computerized Caribbean Plant Protection Commission (CPCC) Database**
- 1986 **Training Course-Detection and Control of Cedros Wilt in Coconuts and Oil Palm (MoA/IICA)**
Intensive In-Service Training Course-Use of microcomputers in Agriculture (IICA)
- 1985 **Training Course-Hart Rot/Cedros Wilt of Oil Palm and Coconuts (MoA/IICA)**
Intensive Training Course-Citrus Plant Propagation and Orchard Management (MoA/IICA)
- 1981 **Advanced In-Service Training Course-Cassava Production (MoA/IICA)**
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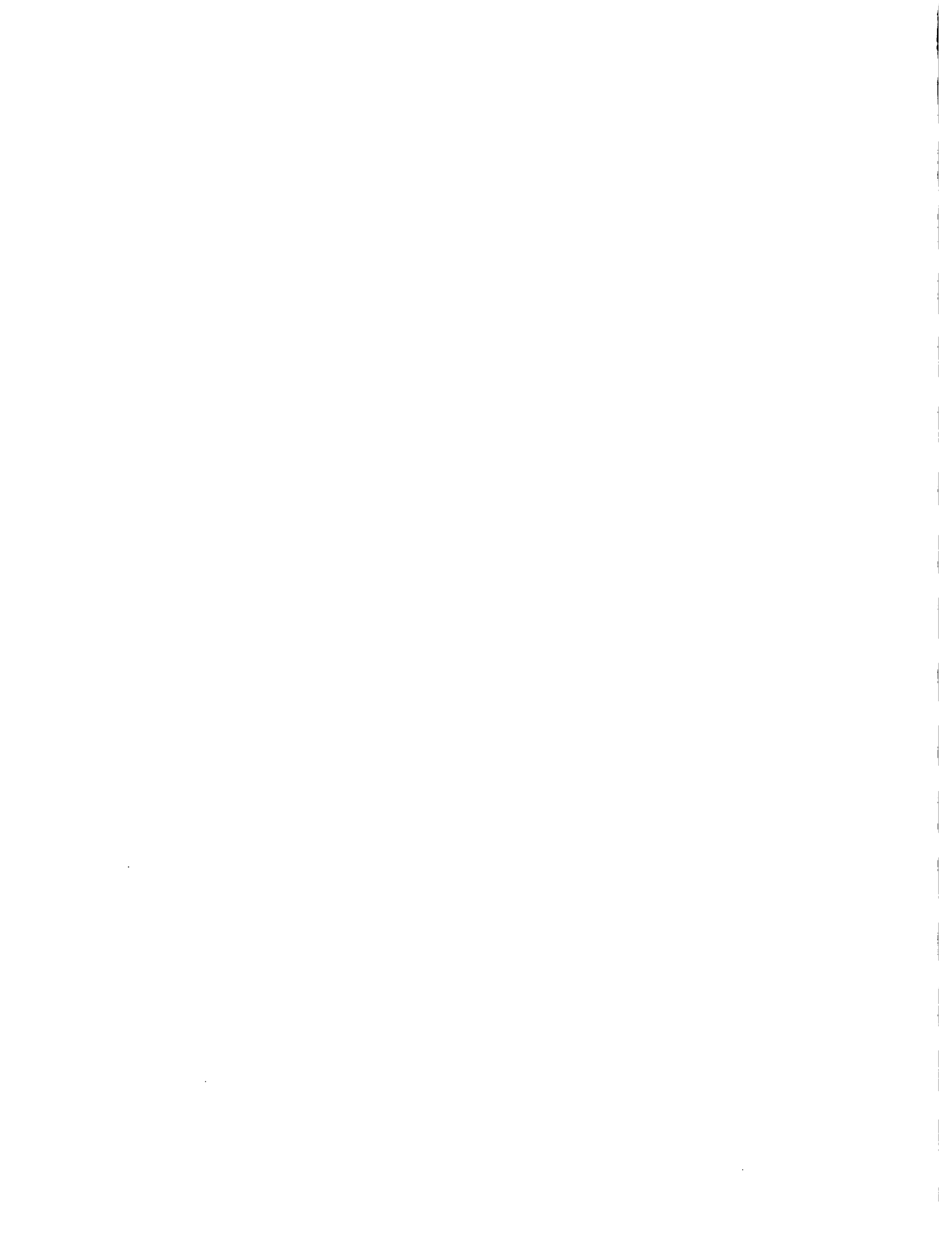


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| 1980 | National Workshop-Large Scale Legume Production (MoA/IICA) |
| 1979 | Advanced In-Service Training Course-Extension Methodology (MoA/IICA) |
| 1978 | Observation/Training Tour-Research Methodologies in Multiple Cropping Systems, Instituto Colombiano Agropecuario (ICA) (GoG/IDB) |
| 1977 | In-Service Training Course-Extension Methodology (MoA/World Bank 2nd Education Project) |
| 1976 | In-Service Training Course-Principles and Practice of Plant Protection (NARI) |
| 1975 | Workshop-Grain Legume Production (MoA) |

D. Employment Record

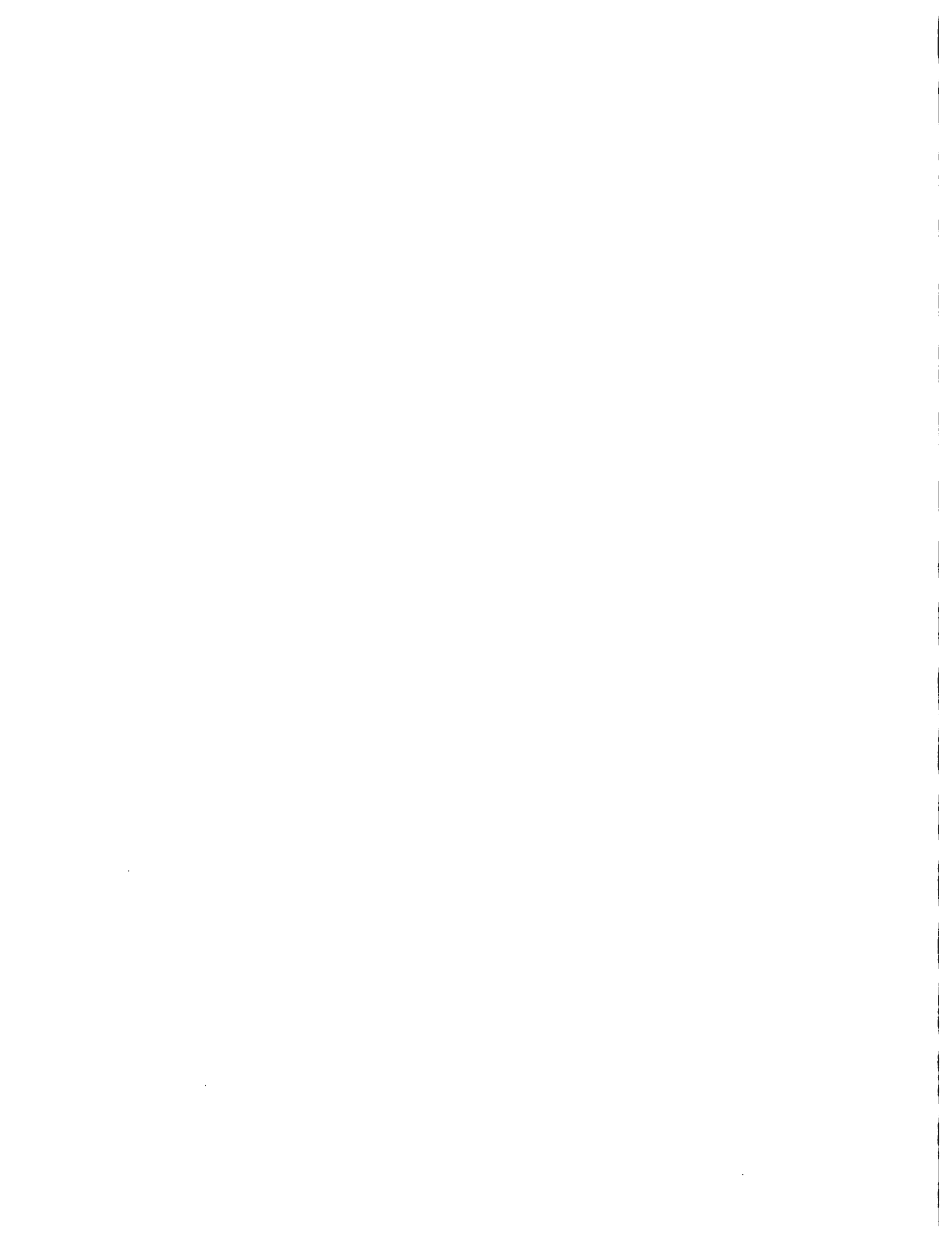
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|--------------|---|
| present-1995 | Agricultural Production/Extension Specialist, IICA |
| 1994-1987 | Agronomy/Extension Specialist, IICA |
| 1987-1986 | National Technical Consultant, IICA |
| 1986-1984 | Project Consultant, IICA, Guyana |
| 1983-1981 | Farmer and Volunteer Extension Worker |
| 1981-1978 | Senior Agricultural Officer, Extension and Education Division, Ministry of Agriculture (MoA), Guyana |
| 1978-1975 | Agricultural Officer, Extension and Education Division, Ministry of Agriculture (MoA), Guyana |
| 1970-1969 | Laboratory Technician, Plant Pathology, Crop Science Division, Ministry of Agriculture, Guyana |

During the period 1989-1992 served as Guest Lecturer in Crop Production and Horticultural Science and for the academic term 1991/1992 as Senior Associate Lecturer in Rural Sociology and Agricultural Extension, Faculty of Agriculture, University of Guyana.

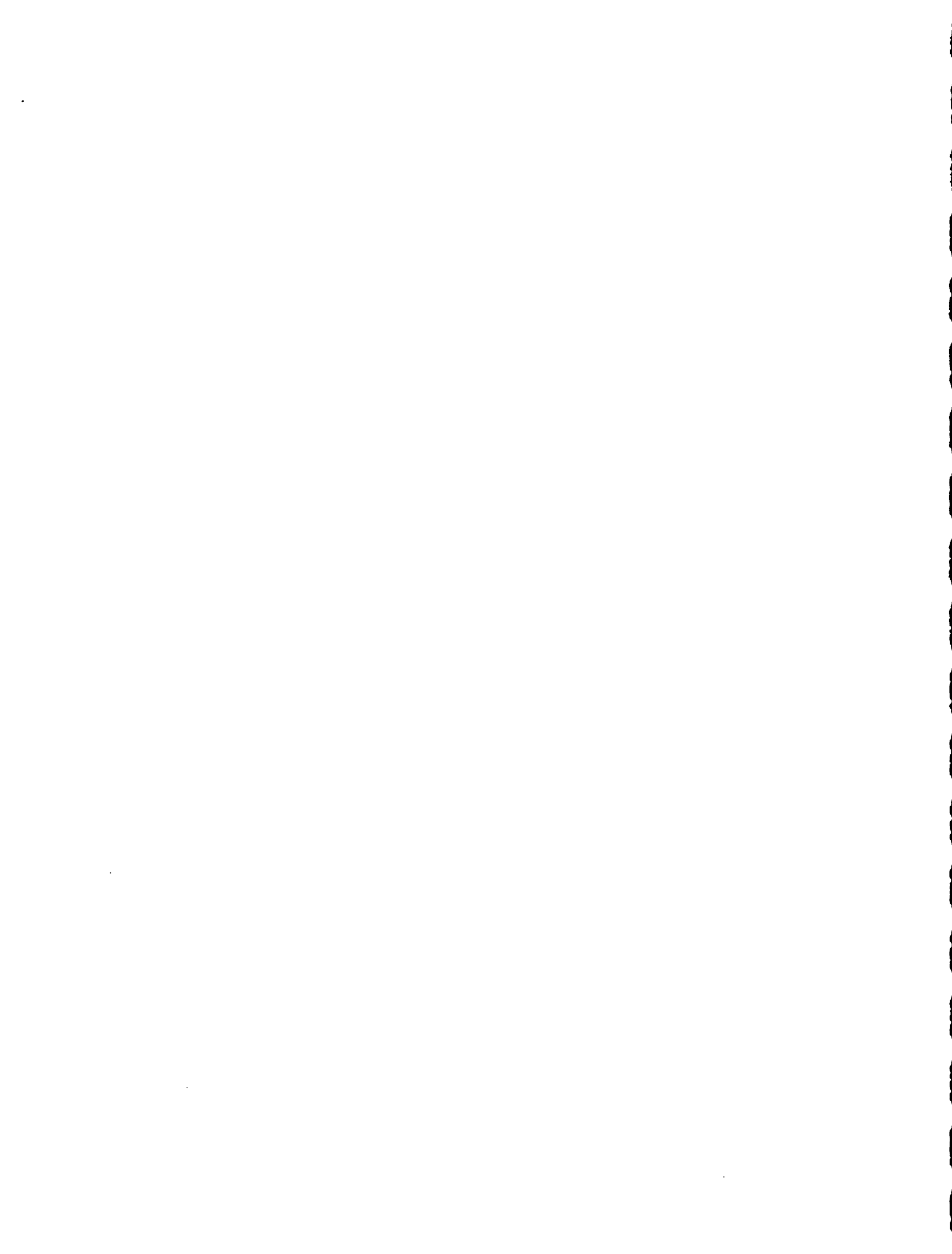


E. Conference, Meetings, etc. attended

- 1996 Review Workshop of Amazon Programme, UNICEF/Min. of Amerindian Affairs - Lethem
- Regional Meeting on the Marketability of Minor Fruits in the Caribbean, Trinidad & Tobago, (CARIFRUIT/CTA/IICA/CARDI)*
- Short-course on Tropical Fruit Production, Turkeyn, Guyana (NFWG)*
- Review Meeting of AOC II Projects in the Caribbean, Trinidad and Tobago, (IICA)
- Refresher Course on Post-harvest Handling of Selected fruits and Vegetables, Mon Repos, Guyana. (NARI)*
- G-77 Agriculture Sector Review Meeting, Georgetown, Guyana. (G-77/Min. of Foreign Affairs)*
- 1995 Regional Workshop on Dairy Production Technologies, SS Dairy Training Centre, Guyana. (CARESDA/IICA)*
- Regional Meeting on Cashew Research and Development, Trinidad and Tobago. (IICA)*
- Short Course on Technology Generation and Transfer for Small Farmers, Turkeyn, Guyana. (UG-TIAT)*
- Extension Programme Planning Workshop, Guyana Rice Development Board, Mon Repos, Guyana.*
- 1994 Seminar/Workshop on Post-harvest Handling of Citrus, Passion Fruit, Avocado, Carambola and Pineapples, Georgetown, Guyana. (IICA)
- 1* Hinterland Agricultural Conference, Lethem, Guyana. (MoA)*
- 1991 National Workshop on Linkages between Agricultural Technical Training, Research and Extension, Mon Repos, Guyana. (FAO/MoA/NARI)*
- 2nd Regional Workshop in Tropical Fruit Crops, St. Johns, Antigua. (ACDU/CARDI/IICA)*
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- NARI/CARDI Annual Review Conference, Mon Repos, Guyana***
- Project (Supporting the Development of Tropical Fruits in the Caribbean) Co-ordination Meeting, Port of Spain, Trinidad**
- 1990** **NARI Annual Research Conference, Mon Repos, Guyana***
- Faculty Seminar - Rural Development in Guyana ... Rhetoric or Reality, Faculty of Social Sciences, University of Guyana, Turkeyen, Guyana**
- 1989** **1st International Carambola Workshop, Inter-American Society for Tropical Horticulture (ISTH), Georgetown, Guyana***
- 25th Annual Meeting, Caribbean Food Crops Society, Guadeloupe**
- National Farmers' Forum, Sophia, Guyana**
- NARI Annual Programme Review Meeting, Mon Repos, Guyana**
- Animal Production Research & Extension Seminar, Guyana (CARDI/IDRC)**
- 1988** **International Seminar on Farming Systems for Low Fertility Acid Sandy Soils, Guyana. (CARDI/CTA)**
- Farming Systems Research Workshop, St. Lucia (CARDI/IDRC)***
- 35th Congress, Inter-American Society of Tropical Horticulture (ISTH), Santa Marta, Colombia**
- NARI Annual Research Seminar Series, Mon Repos, Guyana***
- Regional Workshop on Sugar-Cane, its Derivatives and other potential Feeds for the Commercial Livestock Production. Sugar-Cane Feeds Centre (SFC). U.W.I., Trinidad***
- Workshop on a Livestock Research Programme for Guyana. (NARI/CARDI)**
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- 1987 **Workshop on the Extension/Research Linkage in Guyana, NARI, Mon Repos, Guyana**
- Review Meeting of the Milk Production Systems Project, Guyana. (CARDI/IDRC)**
- Symposium on Small Farmer Development in Guyana. (MoA)**
- 24th Caribbean Food Crops Society (CFCS)/Caribbean Agro-Economic Society (CAES) Joint Meeting, St. John's, Antigua***
- Seminar on Problems of Economic Development in Guyana. (UG/UNESCO)**
- Seminar on Post-Harvest Technology and Marketing of Fruits, Vegetables and Root Crops (MoA/GMC)***
- 1986 **Workshop on Policies and Programmes for Small Farmer Development in the Caribbean, St. George's, Grenada (Commonwealth Secretariat)***
- 1981 **Workshop on the Planning and Management of Agricultural Research in Guyana (MoA/IICA)**
- Workshop of Legume Production (MoA/IICA)***
- Senior Management Workshop on the Current Viability of Agricultural Credit Institutions in the Caribbean (CACTOM)**

* indicates those at which papers were presented.

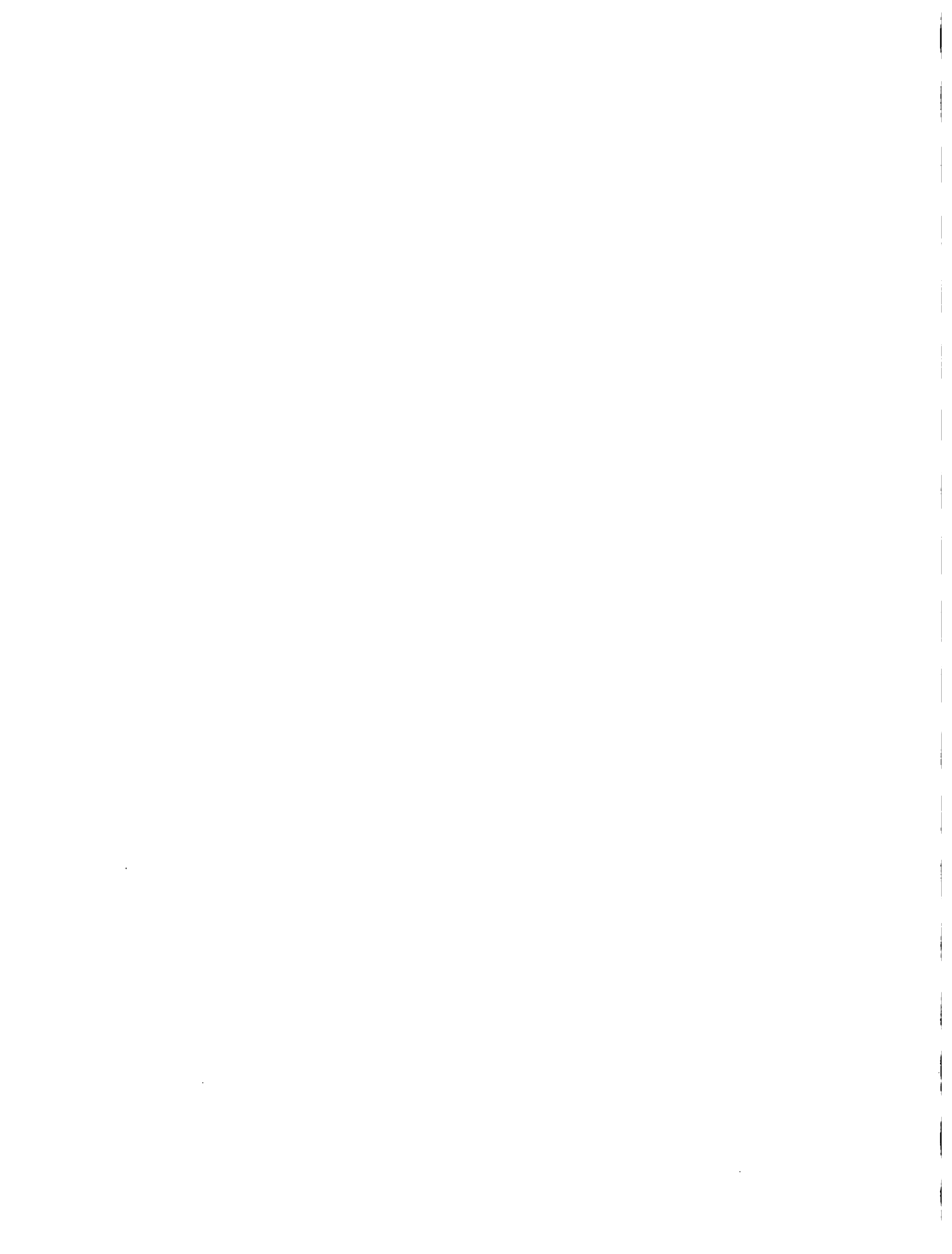
F. Membership of Professional Societies, etc.

- **Society of Professional Agriculturists in Guyana (SPAG)**
 - **Caribbean Food Crops Society (CFCS)**
 - **Inter-American Society of Tropical Horticulture (ISTH)**
 - **Gamma Sigma Delta (Puerto Rico Chapter)**
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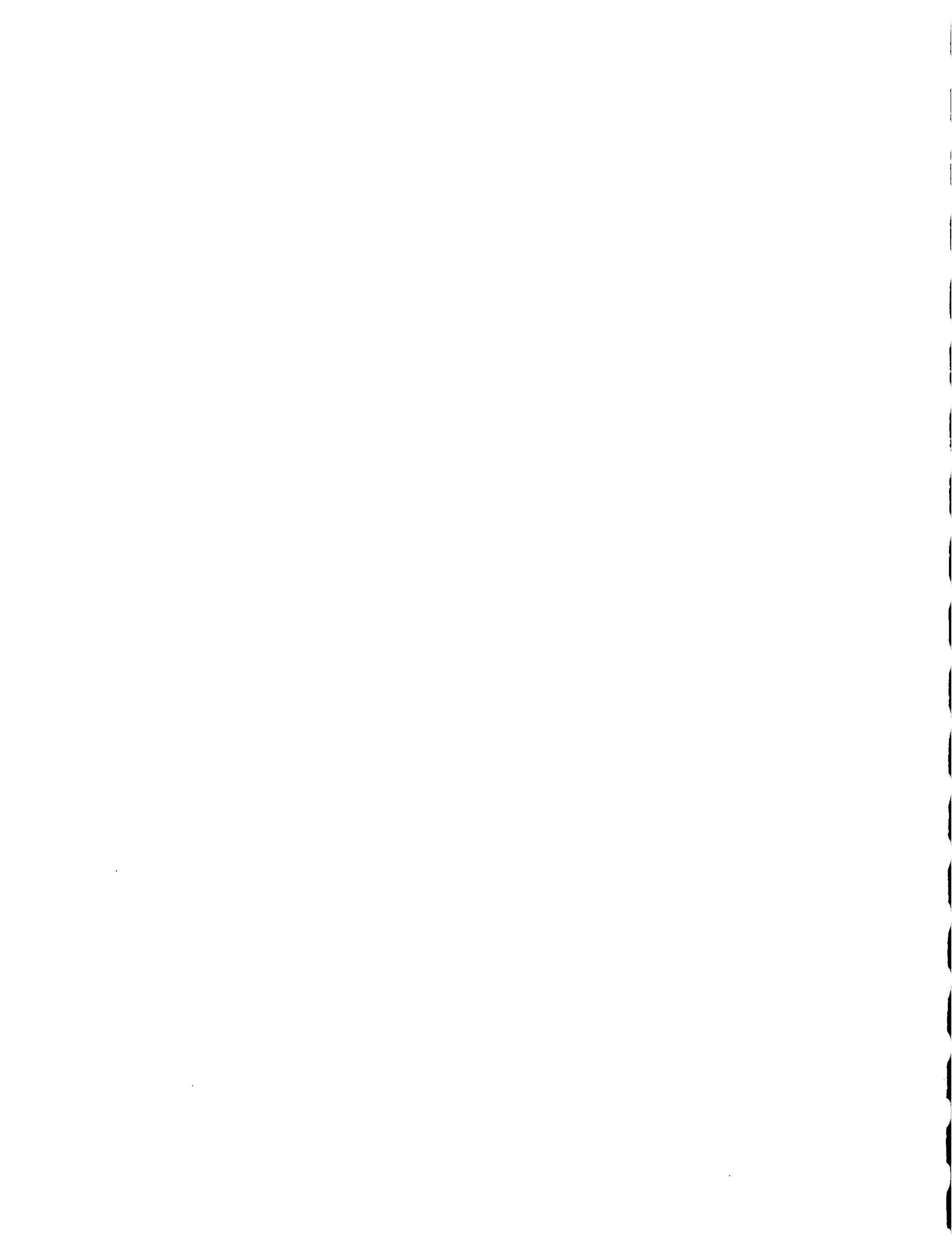
G. Participation on Official Committees, Missions, etc.

- present-1996 National Bureau of Standards, Agriculture Committee - member
- present-1995 Advisory Board, Environmental Studies Unit, University of Guyana - IICA representative.
- 1992 Journal of Agricultural Research in Guyana, Editorial Committee - member
- 1990 CARDI/CIDA Regional Sheep Production and Marketing Project "Sondeo" Team, Region #5, Guyana
- 1988 Advisory Committee to the Minister of Agriculture on Youth in Agriculture
- 1987-1992 Guyana National Bureau of Standards, Agriculture Committee
- 1987 CDB/IICA Agricultural Diversification in the OECS Project Preparation mission
- 1981-1976 National Land Selection Committee - ex-officio member
- Regional Rice Action Committee - ex-officio member
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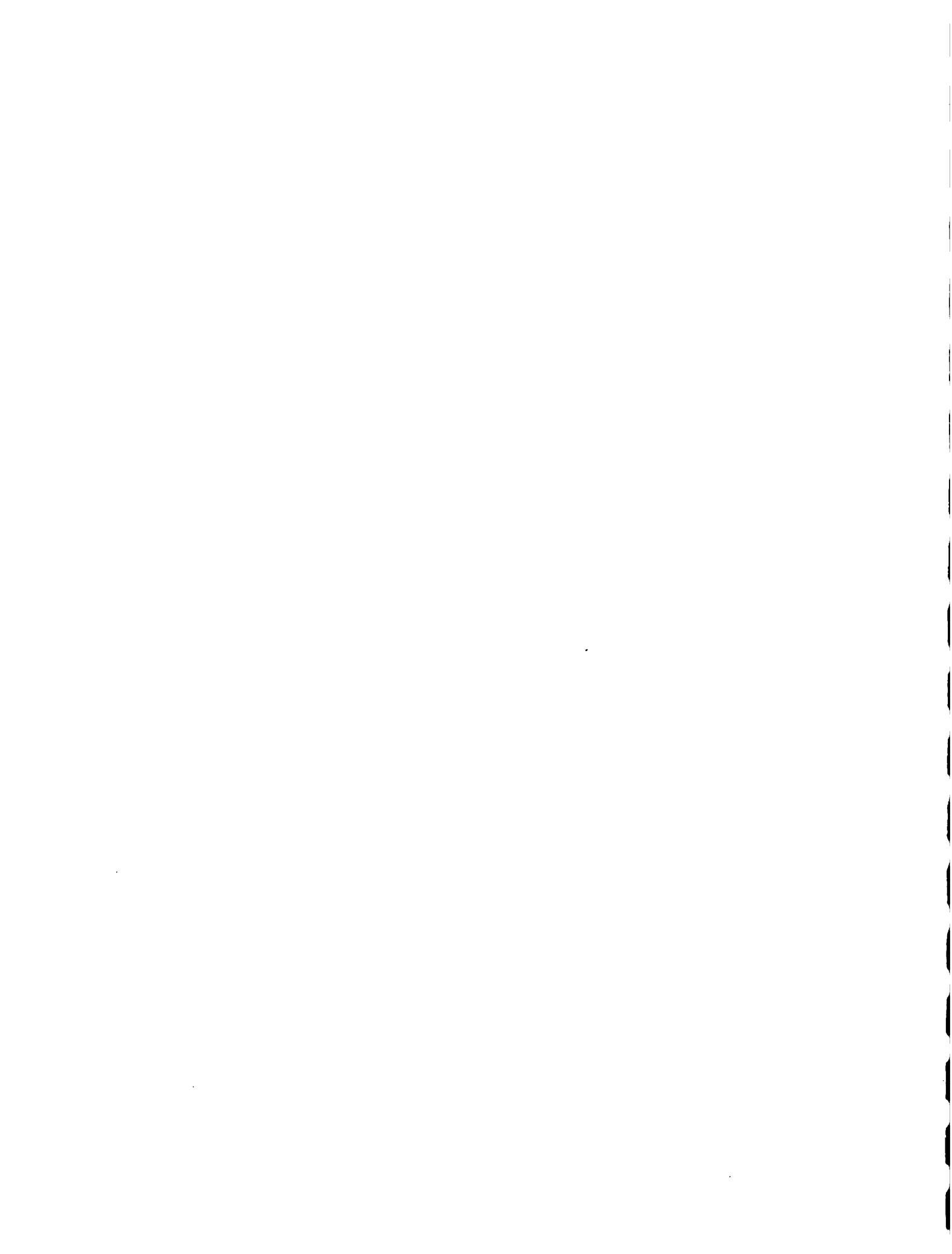


H. Publications

1. **RAMSAMMY, P. 1978. *MULTIPLE CROPPING SYSTEMS - SOME IMPLICATIONS FOR RESEARCH AND EXTENSION IN GUYANA.*** presented at Research Seminar Series 'Research Horizons in Guyana'. Mimeo. Ministry of Agriculture.
 2. **RAMSAMMY, P. 1978. *INTERCROPPING SUGAR CANE WITH BLACK EYE (*Vigna unguiculata*) PEAS.*** Paper presented at a Cane Farming Seminar, Wales Estate, Mimeo. Cane Farmers' Liaison Committee/MinAg.
 3. **RAMSAMMY, P. 1983. *PLANTAIN PRODUCTION IN GUYANA.*** Mimeo. IICA. Guyana.
 4. **RAMSAMMY, P. 1984. *AN EVALUATION OF ON-FARM TRIALS IN A SMALL FARMER DEVELOPMENT PROJECT.*** Mimeo. MinAg/IICA. Guyana.
 5. **FORD, J.R.D., LALBACHAN, V. RAMNARINE and RAMSAMMY, P. 1985. *SMALL FARMER DEVELOPMENT IN GUYANA.*** IICA. Miscellaneous Publication No. 550. ISSN 0534-5391. Georgetown. IICA, Guyana.
 6. **RAMSAMMY, P. 1986. *SMALL FARMER DEVELOPMENT IN THE CARIBBEAN - A SMALL FARMER'S PERSPECTIVE.*** Technical Paper In Report of the Commonwealth Workshop on Policies and Programmes for Small Farmer Development in the Caribbean. St. Georges, Grenada, April 21-25, 1986. pp. 119-138.
 7. **RAMSAMMY, P. 1987. *SOME PRE-HARVEST FACTORS AFFECTING THE QUALITY OF FRUITS, VEGETABLES AND FRUIT CROPS.*** Paper presented at 'New' GMC/MoA In-Service Training Course. AITCC, Mon Repos, Guyana.
 8. **MUNOZ, H. RAMSAMMY, P. and LALBACHAN, V. 1987. *EFFECT OF NITROGEN APPLICATION AND CUTTING FREQUENCY ON FORAGE YIELD OF *Echinochloa polystachya* - PRELIMINARY RESULTS.*** Technical Paper presented at Joint Meeting of Caribbean Food Crops Society and the Caribbean Agro-Economic Society, Antigua, August 23-28, 1987.
 9. **MUNOZ, H. and RAMSAMMY, P. 1986. *THE ANTELOPE ... A WELL ADAPTED GRASS FOR GUYANA'S COASTAL AREA.*** IICA Miscellaneous Publication No. A2/GY-86-004. ISSN 0534-5391. IICA, Guyana.
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10. MUNOZ, H. and RAMSAMMY, P. 1988. *ENSILAGE: A MEANS OF CONSERVING FORAGE*. IICA Miscellaneous Publication No. A2/GY-88-006. ISSN 0534-5391. IICA, Guyana.
 11. MUNOZ, H. RAMSAMMY, P. LALBACHAN and PANDAY, M. 1988. *SEARCHING FOR APPROPRIATE TECHNOLOGY IN DAIRY PRODUCTION. 1. ST. STANISLAUS DAIRY UNIT MILK PRODUCTION PERFORMANCE*. Technical Paper presented at Sugar Cane Feeds Centre 1988 Workshop and VI Regional Livestock Meeting. Trinidad, 1988. (Abstract).
 12. MUNOZ, H. RAMSAMMY, P. LALBACHAN and PANDAY, M. 1988. *EFFECT OF CUTTING INTERVALS AND N-FERTILIZER ON DRY MATTER OF ANTELOPE GRASS (*Echinochloa pyramidalis*)*. Technical Paper presented at Annual Conference of NARI, Mon Repos, Guyana. -1988. (Abstract).
 13. MUNOZ, H. RAMSAMMY, P. AND LALBACHAN. 1988. *ANTELOPE GRASS: RELATIONSHIP BETWEEN FORAGE OFFERED AND CONSUMED BY DAIRY ANIMALS AND MILK PRODUCTION*. Technical Paper presented at Annual Conference of NARI, Mon Repos, Guyana.
 14. MUNOZ, H. RAMSAMMY, P. AND LALBACHAN. 1988. *ANTELOPE GRASS: OFFERED AND CONSUMED IN A TWENTY-SIX DAY ROTATIONAL GRAZING CYCLE*. Technical Paper presented at the Annual Conference of NARI, Mon Repos, Guyana. (Abstract).
 15. RAMSAMMY, P. BAICHO, C.S., MARTE, R. and PETERS, W.A. 1989. *A SHORT LIST OF FRUIT CROPS WITH POTENTIAL FOR GUYANA*. IICA Guyana. (Mimeo).
 16. RAMSAMMY, P. 1989. *THE CARAMBOLA IN GUYANA*. Country Paper in Proceedings of the Interamerican Society for Tropical Horticulture, 33:12-25, 1st International Carambola Workshop, Georgetown, Guyana.
 17. RAMSAMMY, P. and MARTE, R. 1989. *THE INFLUENCE OF WATER GIBBERELIC ACID AND REFRIGERATION ON THE GERMINATION OF CARAMBOLA (*Averrhoa carambola*) SEEDS*. Paper presented at the 1st International Carambola Workshop, Georgetown, Guyana. (Abstract).
 18. RAMSAMMY, P. 1990. *PERCEPTIONS AND STRATEGIES FOR OVERCOMING SMALL FARMER PROBLEMS IN GUYANA*. Invited Paper presented at NARI 1990 Annual Research Conference, Mon Repos, Guyana.
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19. **RAMSAMMY, P. and MURRAY, G. 1990. *GROWING WEST INDIAN CHERRIES IN GUYANA*. Extension Bulletin. 5pp. IICA, Guyana.**
 20. **RAMSAMMY, P. 1991. *PASSION FRUIT - A NEW CROP FOR GUYANA*. Extension Bulletin. 13pp. IICA, Guyana (Mimeo).**
 21. **RAMSAMMY, P. 1991. *GROWING PINEAPPLES FOR EXPORT*. Extension Bulletin. 15pp. IICA. Guyana. (Mimeo).**
 22. **RAMSAMMY, P. 1991. *IMPROVED PLANTAIN PRODUCTION PRACTICES*. Extension Bulletin. 12pp. IICA. Guyana.**
 23. **RAMSAMMY, P. 1991. *ALTERNATIVE CROP MANAGEMENT SYSTEMS - AN INVENTORY OF OPTIONS AND POSSIBILITIES FOR GUYANA'S AGRICULTURE*. Paper presented at NARI 1991 Annual Review Conference, Mon Repos, Guyana.**
 24. **RAMSAMMY, P. 1991. *FARMERS' PARTICIPATION - SOME STRATEGIC CONSIDERATIONS*. Paper presented at NARI 1991 Annual Review Conference, Mon Repos, Guyana.**
 25. **RAMSAMMY, P. 1991. *PROSPECTS FOR EFFECTIVE LINKAGES BETWEEN THE AGRICULTURAL RESEARCH AND EXTENSION SYSTEMS IN GUYANA*. Invited Paper presented at FAO/MoA/NARI National Workshop on the Linkages between Agricultural Technical Training, Research and Extension in Guyana. FAO, Rome.**
 26. **RAMSAMMY, P. 1991. *MANGO AND PAPAYA PRODUCTION IN GUYANA*. Paper presented at 2nd Regional Workshop on Tropical Fruit Crops, Antigua.**
 27. **RAMSAMMY, P. 1995. *THE CASHEW (*Anacardium occidentale* L.) IN GUYANA*. In Regional Meeting on Cashew Research and Development, IICA Misc. Publications No. A2/TT-96-03. ISSN 0253-4746, Trinidad and Tobago.**
 28. **La Gra, J., RAMSAMMY, P., Carmichael, C., Crawford, C. and Vokaty, S. 1996. *AGRICULTURE IN GUYANA: THE NEED FOR IMPROVED SUPPORT SERVICES*. Transition (25) June 1996, ISSN 1012-8268, Journal of the Faculty of Social Sciences and the Institute for Development Studies, University of Guyana.**

Also co-author of several enterprise, sectorial and multinational project profiles and proposals in agriculture and rural development.

Signature:

Peta Ramsammy

Date: 14 February 1997

CURRICULUM VITAE

NAME: Charles Ivan Carmichael
DATE: 7th January, 1961
PLACE OF BIRTH: New Amsterdam, Berbice
NATIONALITY: Guyanese
MARITAL STATUS: Married

SCHOOLS ATTENDED AND EXAMINATIONS PASSED:

Georgetown Adventist Academy - (1972-1976) - 9 subjects at the College of Preceptors Examination
Alleyne High School - (1976-1978) - 8 subjects at the GCE ('O' Level)
Bishops' High School - (1978-1980) - 3 subjects at the GCE ('A' Level)

UNIVERSITIES ATTENDED AND DEGREES OBTAINED:

Workers' University in Novi Sad - (1982-1983) Intermediate Level Certificate in Serbo-Croatian Language
University of Novi Sad (Yugoslavia) - (1983-1989) BSc. Degree in Agricultural Economics
University of Belgrade (Yugoslavia) - (1983-1989) MSc. Degree in Agricultural Economics, specializing in Agricultural Planning and Development

WORKING/PROFESSIONAL EXPERIENCE

Ministry of Education, Guyana - (1980-1982) Secondary School Teacher
Yugoslavia - Six months practical working experience at Irmovo Dairy Farm (1989);
- Eight months as a Research Assistant at the University of Novi Sad



**Inter-American Institute for
Cooperation of Agriculture
(IICA), Guyana**

CONSULTANT

- November- December 1996**

 - **Contracted by FAO to prepare a case study for Guyana as part of the project: Assessment of the impact and Policy Implications of trade Liberalization on the agricultural sector of selected CARICOM countries.**

- September- October 1996**

 - **Preparation of a document defining the existing system of agricultural research in Guyana and Suriname and identifying areas of research opportunity and methodology for research priority setting.**

- June- July 1996**

 - **National consultant contracted by IFAD to collaborate with International consultants in the preparation of a US\$ 13 million project intended to foster the development of small entrepreneurs in two coastal regions of Guyana.**

- January- December 1996**

 - **Coordination of an Integrated Rural Development Project funded by the French Government and administered by IICA. This project is located at the St.Deny's Amerindian Community in the Essequibo Region of Guyana and includes a 52 acre community farm and an agro-forestry research component.**

- January- December 1996**

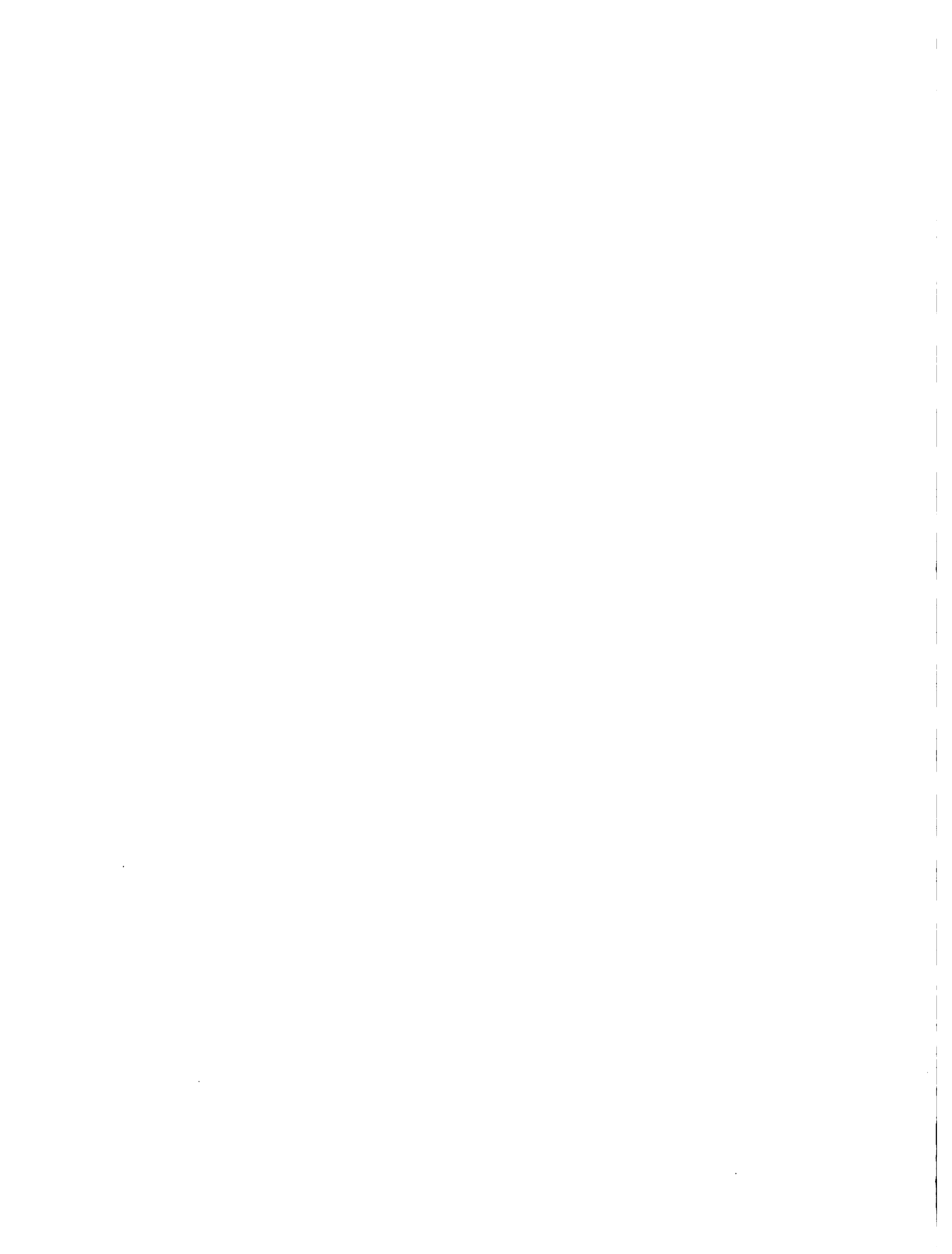
 - **Coordinated a dairy production development project funded by IICA and AIC and aimed at strengthening 10 Dairy Farmers Associations and transferring appropriate technology to dairy farmers in Guyana.**

- August 1995**

 - **Coordinated a Work Group developing an appropriate Policy framework for the Agricultural sector, as part of the National Development Plan for Guyana.**

- July 1995**

 - **Formulation of a Drainage and Irrigation Land Settlement Project proposal for the Crabwood Creek/Jackson/Moleson area (17,000 acres).**



- May 1995**

 - Coordinated and executed a survey of 40 Cattle Farmers' Associations in Guyana. Organized a workshop for Representatives of these Associations in order to discuss measures for alleviating constraints.

- April 1995**

 - Coordinated and executed a Cost of Production survey for major agricultural products in Guyana.

- February 1995**

 - An analysis of the Institutional Framework of the Regional Administrative System in Guyana, with particular emphasis on the framework in place for the provision of Agricultural Support Services.

- December 1994**

 - Assisted in the preparation of a Cattle Development Policy Document for Guyana.

- Jan-Nov. 1994**

 - Assisted in the coordination of IICA's Livestock Production Programme.

- April 1994**

 - Participated in a World Bank Human Resources Development Workshop. Presented a paper on Poverty in Guyana.

- March 1994**

 - Completed a documented Overview of the Livestock sub-sector in Guyana.

- November 1994**

 - Assisted in the coordination and participated in IICA's Project Identification and Formulation Workshop.

- November 1993**

 - Completed an Agricultural Situation Report for Guyana.

- July 1993**

 - Coordinated and participated in the Agricultural Sector Assessment Workshop. Edited the Proceedings from this Workshop. This document was used as the basis for preparing a Draft Policy Document for the sector.

- June 1993**

 - Coordinated the IFAD/IICA Socio-Economic Survey of 760 Rural households in major agricultural regions of Guyana. Principal author of the final report that analysed the data obtained from the Socio-Economic Survey. This document was used as a base document for the preparation of a project proposal for a IDB funded Agricultural Support Services Programme.

**Organization of American
States (OAS), Guyana**

CONSULTANT

- April-Sept. 1994** - Part of a team that prepared a project identifying prospects for integrated agricultural development of the Intermediate Savannahs of Guyana (some 90,000 acres of potential agricultural land).
- November- December 1995** - Contracted by OAS to collaborate in the preparation of a document defining proposals for the agricultural development of the Intermediate savannahs of Guyana.

RESEARCH PAPERS

- 1. The use of multivariate analysis (discrimination and factor analysis) in classifying agricultural Regions in accordance with the level of agricultural development in those regions. Such research provided a basis for determining the need for capital investment in certain regions and sectors of agricultural production.**
- 2. The use of statistical methods in the analysis of agricultural production in the region of Srem, Serbia, in order to determine the level of agricultural growth and outlining political and economic measures required in order to achieve a desired level of agricultural growth.**
- 3. Research in the area of planning and management of capital investment:**
 - Analysing and choosing investment projects.
 - Analyzing the efficiency of investments using the following methods:- Experience Curve Method, Profit Impact of Market Strategies (PIMS) Methods, Cost-Benefit Analysis, PERT and CPM methods (Network Diagram Planning).
- 4. The use of regression and production function analysis in determining the effect of the following factors on the results of milk production on a number of farms:-**
 - Annual milk production per cow
 - Value of milk production per cow
 - Production cost per liter of milk
 - Total annual cost of production per cow
 - Annual feed cost per cow.
- 5. Examining the seasonal character of milk production and determining its influence on the profitability of a dairy farm.**



6. **The use of Simplex (Linear Programming) and Transport Method in Agricultural production to determine the following:**
 - **The structure of production within large Agro-Industrial systems.**
 - **The optimum level of consumption of manpower and machinery in Agricultural production.**
 - **The optimum structure of the daily meal for beef cattle in order to achieve a certain level of production.**
7. **The use of production function analysis to determine the economic optimum quantity of concentrates and fodder to be used in feeding of cattle.**
8. **The agriculture situation in the EEC (European Economic Community) during the period 1984-89 and its role in the economies of developing countries.**
9. **Analyzing the production and export potentials of fruits, vegetables and processed foods in Yugoslavia.**
10. **Analysis of the relationship between the use of fertilizers in the province of Vojvodina, Yugoslavia.**

In this research work correlation, regression and function analysis was used in order to determine the relationship and effect of the use of (N P K) fertilizers on the yield of a number of field crops including maize, wheat and sugar beet. The application of production function analysis was used to determine the optimum level of fertilizer consumption for farmers within the private and public sectors.

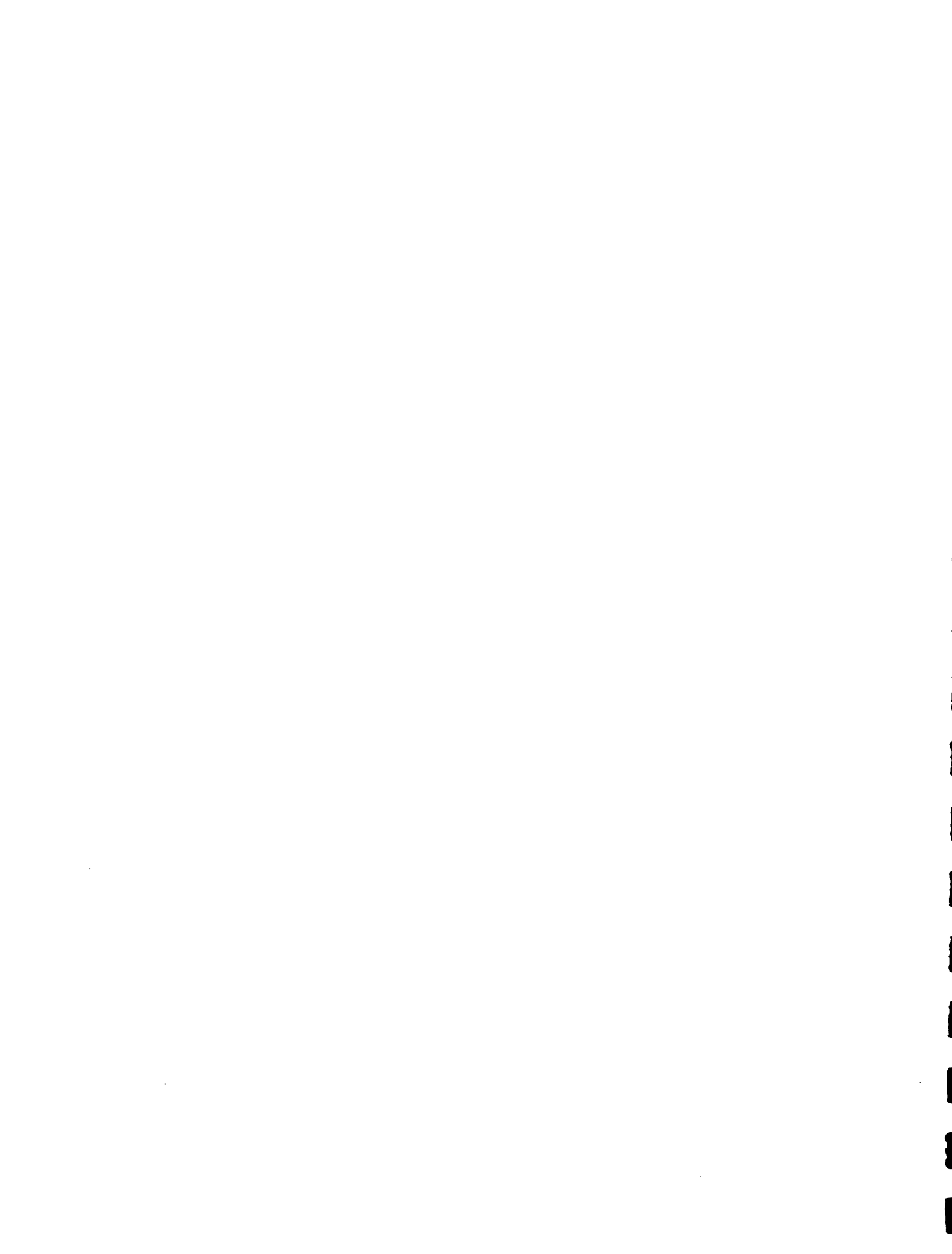
11. **The construction of models, using appropriate contemporary quantitative methods, for the organization of dairy farmers in Guyana.**
12. **Marketing research as the basis for the organization of agricultural production and policy making.**

PUBLICATIONS

1. **MINISTRY OF AGRICULTURE/IICA: Proceedings: Review of the agricultural sector in Guyana. Volume 2: Technical presentations. IICA, Georgetown, Guyana. December, 1993. 285 pp and annex.**
2. **MINISTRY OF AGRICULTURE/IICA: Proceedings: Review of the agricultural sector in Guyana. Volume 1: Results of work group discussions. IICA, Georgetown, Guyana. 1993. 53 pp and annex.**
3. **IICA/IFAD: Results of socio-economic survey in coastal areas of Guyana. IICA, Georgetown, Guyana. March, 1994. 93 pp and annexes.**



4. **CARMICHAEL, C:** An overview of the livestock sub-sector in Guyana. IICA, Georgetown, Guyana. October, 1994. 46 pp.
5. **CARMICHAEL, C:** Sustainability of dairy production at St. Stanislaus College Farm: 10-year economic analysis. IICA, Georgetown, Guyana. November, 1994. 15 pp. and annex.
6. **AGRODEV/IICA:** Survey Report. Cost of production study. IICA, Georgetown, Guyana. April, 1995 (First Draft).
7. **CARMICHAEL, C:** An evaluation of operations at FNPU in Lethem. IICA, Georgetown, Guyana. September, 1995. 20 pp.
8. **IICA/MoA:** Prefeasibility Study (Draft). Crabwood Creek-Moleson-Jackson Development Project. Georgetown, Guyana. September, 1995. 57 pp and 20 annexes.
9. **FORD, J.R.D., MUNOZ, H. & CARMICHAEL, C:** Striving for a more competitive and sustainable agriculture. The Saint Stanislaus College Farm project experience. IICA, Georgetown, Guyana. January, 1996.
10. **CARMICHAEL, C. & HAYNES, A:** Review of cattle farmers' associations in Guyana. IICA, Georgetown, Guyana. April, 1996. 61 pp and 5 annexes.
11. **IICA/MINISTRY OF AGRICULTURE:** Situation and the outlook for the public and private agricultural institutional system and policy in Guyana. IICA, Georgetown, Guyana. May, 1996. 46 pp.
12. **IICA/IFAD:** Agricultural production and socio-economic information for project area (Regions 2 & 3). IICA, Georgetown, Guyana. June, 1996.
13. **CARMICHAEL, C:** The development of an agricultural research priority setting system for Guyana and Suriname. Consultant Report. IICA, Georgetown, Guyana, August, 1996. 44 pp and 2 annexes.



CURRICULUM VITAE

CROMWELL CONSTANTINE CRAWFORD

Current as of: January, 1997

PERSONAL DATA

Birth date: July 22, 1948

Citizenship: Guyanese

Marital Status: Married, Two (2) Children - 21 (F); 19 (M)

| <u>Name of Children</u> | <u>Date of Birth</u> | <u>Nationality</u> |
|-------------------------|----------------------|--------------------|
| Aretha Crawford | March 7, 1976 | Guyanese |
| Jason Crawford | October 27, 1978 | Guyanese |

Permanent Address: #15 Old Road
Craig Village
East Bank Demerara
Guyana

Home Tel.: 066-2480

ACADEMIC QUALIFICATIONS:

University Level

| <u>Degree/Diploma</u> | <u>University</u> | <u>Year</u> | <u>Specialization</u> |
|-----------------------|-------------------|-------------|---------------------------|
| Graduate Diploma | Univ. of Guy. | 1985 | Development Studies |
| M.Sc. | Univ. of Illinois | 1981 | International Agriculture |
| B.Sc. | Tuskegee | 1977 | Agricultural Education |

Other Studies

| <u>Diploma/Certificate</u> | <u>Institution</u> | <u>Year</u> | <u>Specialization</u> |
|----------------------------|----------------------------------|-------------|-----------------------|
| Certificate | INCAE | 1996 | Management |
| Diploma | Guyana School of Agriculture | 1972 | General Agriculture |
| Certificate | Govt. Teachers' Training College | 1970 | Teacher Education |



OTHER STUDIES:

| LANGUAGES | Read | | | Write | | | Speak | | |
|-----------|-----------|------|------|-----------|------|------|-----------|------|------|
| | Excellent | Good | Fair | Excellent | Good | Fair | Excellent | Good | Fair |
| Spanish | | | x | | | x | | | x |
| English | x | | | x | | | x | | |

EMPLOYMENT HISTORY

October 1989 to present:

Title: Rural Development Specialist
 Name of Employer: Inter-American Institute for Cooperation on Agriculture (IICA)
 Address: 18, Brickdam, Georgetown, Guyana
 Telephone: 02-68835; 68347
 Name of Supervisor: 1989-1992: Mr. George Buckmire, Representative
 1993-present: Jerry La Gra, Representative

Persons Supervised:
 Number: 6
 Type: 1 Secretary, 2 Field Assistants, 3 VSO

Responsibilities: Coordinator of Rural Development Activities of the Guyana IICA Office (Interacting with other organizations and groups including farmers, Amerindians, women and youth groups, ministries, and other government organizations, NGOs, umbrella organizations, private institutions);

Project Leader for four Rural Development Projects with particular emphasis on indigenous Amerindian Communities:

- project identification and formulation (preparation of project profiles and documents, conducting needs assessment and problem identification, sourcing funding from local and international agencies);
- project implementation (preparation of work plans, personnel management, budget control, writing reports);



- Conducting training activities for local technicians, community leaders, local groups and farmers;
- project evaluation;
- organising and chairing local, regional and international seminars, workshops and meetings.

Acting for IICA Representative in his absence.

Duties include interacting with other organizations and groups, including international agencies, diplomatic missions, national institutions including ministries, educational and research institutions, farmer organizations and community groups.

Other Positions:

Oct. 1988 - Oct. 1989:

Title:

Deputy Chief Education Officer (Technical)

Name of Employer:

Guyana Ministry of Education

Address:

26, Brickdam, Georgetown

Telephone:

02-56329

Name of Supervisor:

Oswald Kendall, Chief Education Officer

Person Supervised:

Number:

76

Type:

Principals, academic and ancillary staff of the four technical institutions and Heads of vocational education departments and centres.

Responsibilities included:

Preparation of policy position papers in technical and vocational education:

- Advising the Minister of Education on vocational and technical education matters including programming and cost recovery;
- Supervising technical and Vocational and pre-vocational programmes in the Ministry of Education (Agriculture, Industrial Arts, Home Economics and Business Education);

- Representing the Ministry of Education at Meetings, Conferences, Seminars, Workshops and other forums to address Technical & Vocational education issues.

Sept. 1985 - Sept. 1988:

Title: Senior Lecturer, Vocational Education Department, Cyril Potter College of Education.
Name of Employer: Guyana Ministry of Education
Address (College): Turkeyen, Guyana
(Ministry): 26, Brickdam, Georgetown, Guyana.
Name of Supervisor: Former Principals - Mr. Henry Hinds, Mrs. Elsa Hubbard and Mr. Donald Williams.
Persons Supervised:
Number: 8
Type: 5 Lecturers and Instructors in technical and vocational education programmes of the college 3 farm attendants.

Responsibilities included: Supervision of Technical and Vocational Teacher Training Programmes, Agriculture, Home Economics, Industrial Arts and Business Education.

Sept. 1981 - Aug. 1985:

Title: Lecturer, Agricultural Education, Cyril Potter College of Education
Name of Employer: Guyana Ministry of Education
Address: (College) Turkeyen, Guyana
(Ministry) 26, Brickdam, Georgetown, Guyana.
Name of Supervisor: Mr. V. Mohan-Ram, Principal
Responsibilities included: - Teaching courses in General agriculture and agricultural education methodology.

- Managing 20 acres rice farm, 5 acres mixed vegetable plot and 3,000 broiler unit and 1,000 Pekin duck unit.

Persons Supervised:
Number: 6
Type: 3 Junior Lecturers, 3 Farm Attendants.

Sept. 1983 - August 1988:

Title: Lecturer (Part-time)
Name of Employer: Regional Educational Programme for Animal Health Assistants (REPAHA)
Address: Mon Repos, Guyana.

Name of Supervisor: Dr. Frank Mongul, Principal

Responsibilities included: Lecturing in Extension Methodology and supervising students in on-farm extension activities.

Persons supervised: None

Sept. 1983 - Aug. 1985:

Title: Lecturer (Part-time)

Name of Employer: University of Guyana, Faculty of Agriculture

Address: Turkeyen, Guyana

Name of Supervisor: Prof. S.K. Prasad, Dean

Responsibilities included: Teaching courses in Rural Sociology and Extension Methodology.

Persons Supervised: None

Sept. 1981 - Aug. 1983:

Title: Lecturer (Part-time)

Name of Employer: University of Guyana, Faculty of Education

Address: Turkeyen

Name of Supervisor: Dr. Marjorie Jones, Dean

Responsibilities included: Teaching courses in Agricultural Education Methodologies and supervising and assessing student teaching practice.

Oct. 1987 - July 1989:

Title: Lecturer (Part-time)

Name of Employer: University of Guyana, Faculty of Education

Name of Supervisor: Wilburn Weever, Head of Department

Responsibilities included: Teaching courses in Evaluation of Vocational and Technical Education.

June 1977 - Aug. 1979:

Title: Instructor, Hinterland Development Programme.

Name of Employer: Ministry of Education

Address: 26 Brickdam, Georgetown

Project Site: Moblissa, Guyana.

Name of Supervisor: Sr. Hazel Campaign, Head Mistress, St. Roses High School

Persons Supervised:

Number: 2

Types: 1 farm attendant, 1 secretary.

Responsibilities included:

- Teaching crop production and plant protection.
- Managing fruit and vegetable farm and swine and poultry units.

Sept. 1972 - Dec. 1974:

Title: Instructor, Government Teachers' Training College
Name of Employer: Guyana Ministry of Education
26, Brickdam, Georgetown
Name of Supervisor: William McDonald, Former Principal
Person Supervised:
Number: 1
Type: Farm attendant

Responsibilities included: Teaching classes in Integrated Science and Agricultural Science and managing a five-acre farm.

COMMITTEE WORK: Coordinator of Team preparing information on Agricultural Institutions for inclusion in the Agricultural input for the National Development Strategy Document - 1995.

Member, Advisory Board, Faculty of Agriculture, University of Guyana, 1984-1988.

Member, Board of Governors, Guyana School of Agriculture, 1982-1986.

Member of Team Planning Resettlement Scheme for Guyana National Service, Kimbia Berbice River. (October -November 1985).

Member, Agricultural Science Examining Panel, Caribbean Examinations Council 1983 - 1989.

Member of Committee Planning for the Rationalization of Technical Education in the Caribbean Region, sponsored by the CARICOM Secretariat, October, 1983.

Member of Team conducting Survey of Pre-Vocational Needs in the Eastern Caribbean, Caribbean Examinations Council/USAID, 1982.

PUBLICATIONS AND PRESENTATIONS

1. Agriculture in Guyana: The need for improved Support Services; co-authored with members of IICA Technical Staff in Guyana and published in Transition, Issue 25, June 1996, 18pp, Georgetown, Guyana. Journal of the Faculty of Social Sciences and Institute of Development Studies, University of Guyana.

2. "Nursery Management for Orchard Crops", presented to Guyana/ FAO Training Course, Ministry of Agriculture Guyana, March 1994.
3. "Rural Development in Guyana", presented to a workshop to review the Agricultural Sector in Guyana, August 23-24, 1993.
4. "Agroforestry practices in Moraikobai", presented to a workshop of Amerindian Leaders, Mainstay, Guyana, April 1993.
5. Integrated Rural Community Development: The Moraikobai Experience, in Guyana Development Digest #13; March 1991
6. Alternative Communication Technology to serve agricultural Extension and Development in West Indies. Volumes 1 and 2, September 1980 with Burton E. Swanson and Raymond T. Woodis.
7. "The Process of Curriculum Development in Formal and Non-Formal Agricultural Education", presented at UNESCO Sub-regional Seminar on New Directions for Agricultural Education, Guyana, June 1988.
8. "The Training of Agriculture Teachers in Guyana", delivered to a meeting for the Rationalization of technical Education in the Caribbean Region, held in St. Christopher and Nevis, October 17-21, 1983.
9. "Secondary Agricultural Programmes in Guyana - A Model for Third World Countries", presented at International Agricultural Educational Seminar, Sam Houston State University, Huntsville, Texas, United States of America, April 21, 1983.
10. "Improving the Delivery Vocational Agricultural Education at the Community High School Level in Guyana", Unpublished Masters Thesis, University of Illinois, 1980.

AWARDS

1. Saul-Wilson Award; Best Graduating Student in Agricultural Education, Tuskegee Institute, Alabama 1977.
2. Scholar of the year, School of Education, Tuskegee Institute, Alabama 1975-76; 1974-75.
3. Award for Scholarship and contribution to Student Welfare, Government Training College, Georgetown, Guyana 1969.

ORGANIZATION AFFILIATIONS PAST/PRESENT

Phi Delta Kappa (PDK), University of Illinois.
Council for Graduate Students in Education, University of Illinois, Urbana, Illinois.
Vocational Graduate Students Association, University of Illinois, Urbana, Illinois
Guyana Adult Education Association
Guyana Teachers Association
Society for Professional Agriculturists of Guyana
Student Representative, Presidents' Council, Tuskegee
Student National Education Association, Tuskegee Institute Chapter.
Caribbean Association of Technical Vocational Education and Training (CATVET)
Women in Development, Caribbean Committee, University of Illinois
Student Representative Education Policies Committee Tuskegee University.

PARTICIPATION IN CONFERENCES & MEETINGS

TRINIDAD: Third & fourth Biennial Assemblies of the Caribbean Network for Integrated Rural Development (CNIRD), 1992 and 1995.

Regional Consultation on Sustainable Agricultural Development, Hilton Hotel, December 6-9, 1993.

BARBADOS: Workshop on Managing for Excellence, Hilton Hotel, August 1993.

DOMINICA: Rural Development Strategies in the Caribbean, Layou River Hotel November 25 - 27, 1991.

With other IICA Specialists, developed Farmer Training Modules for the training of Windward Islands Banana farmers, IICA TCA in Dominica, July 7-11, 1996.

GUYANA: Workshop on Alternative Land Utilization Techniques for Forest Dwelling Communities, Mainstay, Guyana, April 23-29, 1995.

National Seminar: Rural Women Food Producers, July 21, 1994.

Review of the Agricultural Sector, Pegasus Hotel, August, 1993.

NARI/CARDI Annual Review Conference, 1989, 1990, 1991, 1992, 1993.

Regional Workshop on Identification and Formulation of Agricultural Projects, November, 1993.

National Workshop on Linkages between Agricultural Technical Training Research and Extension, Mon Repos, December 1991.

1st International Carambola Workshop, Inter-American Society for Tropical Horticulture (ISTH), Pegasus, 1989.

CARDI/CTA International Seminar on Farming Systems for Low Fertility Acid soils, Pegasus Hotel, 1988.

JAMAICA: IICA/IDB Regional Conference on Rural Women Food Producers in the Caribbean, August 23 - 24, 1994

NICARAGUA IICA/INCAE Senior Managers Training Course. February-March, 1996.

SIGNATURE:

 **DATE:** 18/02/97

ANNEX 1

A. Courses taken to Fulfil Requirements for the MSc Degree, University of Illinois 1979-1981:

Education for Rural Development in low income countries.
Economics of Agricultural Development
Social Foundation of Education
Research Studies in Vocational and Technical Education.
Introductory and Intermediate Spanish
World Animal Agriculture
Special Problems in Rural Sociology
Course Planning and Teaching Procedures in Agricultural Occupation Programmes
Comparative Education
Elements of Educational Statistics
Psychology of Learning for Teachers.
Educational Programmes in Cooperative Extension
Crops and Man
Thesis research

B. Thesis: Improving the Delivery of Vocational Agricultural Education at the Community High School level in Guyana.

C. Courses taken to fulfil the requirements for the Graduate Diploma in Development Studies, University of Guyana, 1984-1985.

Development Planning
Development Administration (including the Administration of Rural Development).
Development Finance
Quantitative methods for Development
Sociology of Development - Modernization and Change

D. Courses taken during the IICA-INCAE Senior Managers' Programme.

Management Communication
Economic Analysis
Service Management
Strategy Formulation
Leadership and Organization
Organizational Effectiveness
Marketing

CURRICULUM VITAE

Name: Maxine Patricia Parris-Aaron
Place and date of birth: Georgetown, Guyana
November 20th, 1958
Profession: Doctor of Veterinary Medicine
Specialization: Tropical Veterinary Medicine - Epidemiology
Telephone: 592-2-60245
Address: 304 - 305 East Street,
South Cummingsburg,
Georgetown,
Guyana

Joined IICA: March 1996
Current position: Agricultural Health Specialist
Duty Station: Guyana
University Studies: BS. Animal and Poultry Science,
Tuskegee Institute, USA, 1981-1984
Doctor of Veterinary Medicine
Tuskegee University, USA, 1982-1986
MSc. Tropical Veterinary Medicine
University of Edinburgh, Scotland, 1990-1991
Degrees Earned: MSc. Tropical Veterinary Medicine
BS. Animal and Poultry Science
Experience: (Positions held, dates of employment)
a. **Position:** Agricultural Health Specialist
Duty Station: Guyana
Dates: March 1, 1996 to present

- b. Position: Senior Veterinary Officer (acting)
 Duty Station: Ministry of Agriculture
 Dates: April 1995 - February 1996
- c. Position: Veterinary Officer
 Duty Station: Ministry of Agriculture
 Dates: November 1993 - April 1995
- d. Position: Research Assistant
 Duty Station: Kent and Canterbury Hospital
 Canterbury, England
 Dates: April 1991 - August 1993
- e. Position: Veterinary Officer
 Duty Station: Regional Administration, Region #4
 East Coast Demerara, Guyana.
 Dates: 1988 - July 1990.
- f. Position: Veterinary Officer and Supervisor of the Clinical Pathology Unit
 of the Veterinary Diagnostic Laboratory.
 Duty Station: Veterinary Diagnostic Laboratory
 Ministry of Agriculture,
 Mon Repos, East coast Demerara
 Guyana
 Dates: February 1987 - 1988
- g. Position: Veterinary Officer
 Duty Station: Ministry of Agriculture
 Dates: October 1986 - February 1987

Publications:

1. Vokaty, S; Desquesnes, M; Applewhaite, L; Parris-Aaron; et al 1994.
 "Haemoparasite Network for the Guianas". The Kenya veterinarian 18 (2) 35-37.

**Special skills
 and abilities:**

Languages: English,
 Understand minimal written Spanish and German.

Pastimes: Indoor and outdoor sports, Music, Reading

Signature: *M. Parris-Aaron*

Date: 21 - 02 - 97

CURRICULUM VITAE

JERRY LEE LA GRA

Current as of: February 19, 1997

PERSONAL DATA

1. **Complete Name:** LA GRA, Jerry Lee
2. **Present Address:** P.O. Box 10-1089
Georgetown
GUYANA
3. **Home Telephone:** 592-2-77800
4. **Other Telephone:** 592-2-63413/68835 (O)
5. **P.O. Box:** 10-1089
6. **City and Country of Permanent Residence:** Morton, Washington, USA
7. **Nationality:** American
8. **Place & Date of Birth:** Park Rapids, Minnesota,
October 2, 1939
9. **Marital Status:** Married
10. **Number of Dependents:** Three (3)
11. **Name of Spouse and Nationality:** Amanda Tijides La Gra,
American
12.

| <u>Names of Children</u> | <u>Dates of Birth</u> | <u>Nationality</u> |
|--------------------------|-----------------------|--------------------|
| Eric Emil La Gra | November 8, 1969 | American |
| Michele Marie La Gra | August 10, 1971 | American |
13. **Type of Position Desired:** IICA Representative, Guyana

14. **Profession:** Agricultural Economist

15. **EDUCATION:**

| Dates | | Name of University | Subjects Majored | Degree Received |
|-------|------|-----------------------------|------------------------|---------------------------|
| From | To | | | |
| 6/68 | 8/69 | Washington State University | Agricultural Economics | MA |
| 9/66 | 6/68 | Washington State University | Agricultural Economics | BS |
| 1/62 | 4/62 | University of Washington | History | None |
| 9/58 | 6/61 | Centralia College | History | Certificate of Graduation |

16. **OTHER STUDIES:**

11/62 to 1/63: Colegio de Agricultura y Artes Mecanicas, Mayaguez, Puerto Rico - Latin American Studies

17/06/85 to 28/06/85: University of California, Davis - Postharvest Technology Short Course

17. **MASTERY OF LANGUAGES:**

| <u>LANGUAGE</u> | <u>READ</u> | <u>WRITE</u> | <u>SPEAK</u> | <u>FSI LEVELS</u> |
|-----------------|-------------|--------------|--------------|-------------------|
| English | Fluent | Fluent | Fluent | 5 |
| Spanish | Well | Well | Well | 4 |
| French | Good | Fair | Fair | 3 |

18. PROFESSIONAL EXPERIENCE:

- a. **Title of Present Position:** Representative in Guyana
Dates: January 1, 1993 to Present
Annual Salary:
Starting: \$52,996 **Present:** \$53,825
Name of Employer: IICA
Address: P.O. Box 10-1089, Georgetown, Guyana
Name of Supervisor: H. Arlington D. Chesney
Number and Type of Employees Supervised:
10 technical; 12 administrative
Reasons for Change in Position: No change.

Description of Work:

Functions are divided equally between administration of office and staff and technical responsibilities in the areas of planning, information, project development and training in project identification and formulation. Efforts are made to identify and eliminate inefficiencies in operations so as to provide the most efficient support services at the lowest cost. Constant supervision is provided to International Professional Personnel and National Professional Personnel to ensure effective national and multinational projects which respond to farmer and institutional needs. Regular attention is given to developing effective relations with national, regional and international organisations. Emphasis is being given to formation of effective inter-disciplinary Team of IICA professionals.

- b. **Title of Position:** Rural Development Specialist
Dates: August 5, 1985 to December 31, 1992
Annual Salary:
Starting: \$40,236 **Last:** \$48,966
Name of Employer: IICA
Address: P.O. Box 1223, Castries, St. Lucia
Name of Supervisor: Reginald E. Pierre
Number and Type of Employees Supervised:
30 short term consultants
Reasons for Change in Position:
Promotion to Representative in Guyana

Description of Work:

During seven and a half years worked as IICA's Marketing and Rural Development Specialist in the OECS, was instrumental in generation of an information base on farmers organisations and production and marketing constraints. Promoted and supported the development of the Caribbean Farmers Development Company which presently exports over \$1.0 million annually to Europe. Established and served as Editor-in-Chief, during 4 years, of quarterly newspaper FOCUS on Rural Development. Assisted farmers organisations obtain over us\$1.0 million in grant funding.

c. **Title of Position:** Marketing Specialist

Dates: July, 1975 to August, 1985

Annual Salary:
 Starting: \$17,226 **Last:** \$40,236

Name of Employer: IICA

Address: P.O. Box 711, Santo Domingo,
 Dominican Republic

Name of Supervisor: Jorge M. Montoya/Hector Morales

Number and Type of Employees Supervised:
 2 IICA professionals, over 40 national technicians

Reasons for Change in Position:
 Transfer to St. Lucia

Description of Work:

1. Coordinator IICA/SEA marketing project including 30 man-years TA and total cost of US\$2 million. Involved identification, organization and execution of marketing projects, study/ analysis of marketing systems, training of large number of national technicians and strengthening of marketing services.
2. Coordinator of agreement IICA/SEA/FONDOPREI. Coordinated the organisation of 4 teams to formulate 4 development projects financed by IDB's preinvestment fund.
3. Organised/executed diverse studies on postharvest, food security, food distribution and others.
4. Served as Acting Representative as required.

d. **Title of Position:** Marketing Specialist
Dates: July, 1973 to June, 1975
Annual Salary:
 Starting: \$16,886 **Last:** \$16,886
Name of Employer: IICA
Address: Port-au-Prince, Haiti
Name of Supervisor: Jorge M. Montoya
Number and Type of Employees Supervised:
 As many as 20 national technicians
Reasons for Change in Position:
 Transfer to Santo Domingo, Dominican Republic

Description of Work:

1. Promoted multi-million dollar funding from CIDA and coordinated IICA's marketing project. Included:
 - realisation/publication of 17 baseline studies; in-service training for 25 Haitians; and formulation of project to institutionalise national agriculture marketing service (SENACA) which was created and financed by CIDA (Canada) for six years at a cost of over US\$1 million.
2. Served as Acting Representative as required.

e. **Title of Position:** Project Specialist
Dates: October, 1972 to June, 1973
Annual Salary:
 Starting: \$13,844 **Last:** \$13,844
Name of Employer: IICA
Address: Port-au-Prince, Haiti
Name of Supervisor: Jorge M. Montoya
Number and Type of Employees Supervised:
 8 instructors, 25 participants
Reasons for Change in Position:
 9-month contract

Description of Work:

1. Organised and directed course for training in project formulation (PEPA). Included 5 weeks of theory and 4 months field work. Four development projects were formulated, of which three were executed. Proposal to institutionalise project formulation within Ministry of Agriculture was accepted/financed by CIDA at cost of US\$1 million over six years. Oversaw the translation and publication of several volumes of training materials on project formulation and evaluation.

19. PUBLICATIONS:

See listing in Annex 1.

20. REFERENCES:

| Name | Address | Business or Occupation |
|--------------------|-------------------------|-------------------------------|
| Harlan Davis | University of Georgia | International Programmes |
| Jose Luis Lizarazo | IICA Headquarters | Marketing Specialist |
| Rafael Marte | IICA Dominican Republic | IICA Representative |

- 21. HEALTH:** Have you any physical defect or disability? No

22. IN CASE OF EMERGENCY, NOTIFY:

Name: Amanda La Gra **Relationship:** Wife

Address: 12771 SW 65th St.
Miami, Florida 33183
USA

Tel.: (305) 385-6513

Is any member of family now employed by this institution? No

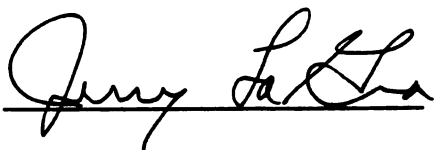
23. **Other Relevant Facts, such as honourable mentions received, professional and scientific societies, etc. to which belonged, which are considered important to evaluate professional standing:**

- 1967 - Elected to national honorary fraternity, Phi Kappa Phi.
- 1968 - Elected "Outstanding Senior" Department of Agricultural Economics, Washington State University.
- 1968 - Graduated "with distinction" from Washington State University.
- See Annex 2: Participation in technical assistance missions and international events.
- 1969-1972 - Worked for the OAS in Haiti as a land-use specialist as part of integrated technical assistance mission.
- 1965-1966 - Hired by USAID to work with the Office of Community Development in the Dominican Republic as a water resources specialist.
- 1962-1964 - Served as Peace Corps Volunteer working in Rural Development in the Dominican Republic.

CERTIFICATION

I certify that the statements made by me in this application are complete and correct to the best of my knowledge and belief.

Date: 14 February, 1997

Signature: 

ANNEX 1-A

FORMAL PUBLICATIONS 1969-1994

- LA GRA, Jerry, et al. **Agriculture in Guyana. The need for improved support services.** IICA, Georgetown, Guyana. Reprint from Transition, Journal of the Faculty of Social Sciences and the Institute of Development Studies, University of Guyana. Issue 25, June, 1996. pp. 33-51.
- LA GRA, Jerry, et al. **Proceedings: First regional training workshop for beekeepers (May 11-13, 1992).** Miscellaneous Publication ISSN-0253-4746, A2/LC-92-003, IICA Office, Castries, St. Lucia. July, 1992. 136 pp.
- PORTER, Rebecca & LA GRA, Jerry. **Profiles on rural development and support organizations in Barbados.** IICA Office, Bridgetown, Barbados. April, 1992. 161 pp.
- LA GRA, Jerry, et al. **Workshop proceedings: rural development strategies in the Caribbean (November 25-27, 1991).** IICA/CNIRD. IICA Office in St. Lucia. February, 1992, 124 pp.
- MURILLO-YEPES, Jorge & LA GRA, Jerry. **Profiles of farmers organizations in Grenada.** Miscellaneous Publication ISSN-0534-5391, A2/GD-91-003, IICA Office, St. George's, Grenada. December, 1991, 136 pp.
- LA GRA, JERRY. **Final Report: Training of ANACAFE (Guatemala) technical personnel in commodity systems assessment.** GTS Report No. 113. Post Harvest Institute for Perishables, Moscow, Idaho. November, 1991. 73 pp. (English and Spanish).
- RITTGERS, Rob & LA GRA, Jerry. **profiles of farmers organizations in St. Vincent and the Grenadines.** Miscellaneous publication ISSN-0534-5391, A2/VY-91-001, IICA Office, Kingstown, St. Vincent and the Grenadines. June, 1991, 138 pp.
- LA GRA, Jerry. **A commodity systems assessment methodology for problem and project identification.** Post Harvest Institute for perishables, University of Idaho, Moscow, Idaho. August, 1990, 214 pp. Note: Manual also published in Spanish and French.
- LA GRA, Jerry & LEIGHTON, Larry. **Market niche study, Toronto, Ontario.** IICA Office, Castries, St. Lucia, May, 1990, 20 pp.
- BORLAND, Barry & LA GRA, Jerry. **Proceedings: Workshop on products, marketing and certification of organic food (October 16-21, 1989).** Miscellaneous Publication ISSN 0253-4746, A2-DM-90-002, IICA Office, Roseau, Dominica, March, 1990, 74 pp.

- _____. **Proceedings: Round table meeting on organic farming (June 8, 1989).**
Miscellaneous Publication ISSN 0253-4746, A2/DM-90-001, IICA Office, Roseau,
Dominica. February, 1990, 43 pp.
- _____. **Profiles of farmers organizations in Dominica.** Miscellaneous Publication ISSN
0534-5391, A2/DM-89-001, IICA Office, Roseau, Dominica. May, 1989, 147 pp.
- LA GRA, Jerry et al. **Profiles of farmers organizations in St. Lucia.** Miscellaneous
Publication ISSN 0534-5391, A2/LC-89-001, IICA Office, Castries, St. Lucia. January,
1989, 125 pp.
- LA GRA, Jerry et al. **Assessment of the commodity system for carambola in Malaysia:
Description, problem identification and alternative solutions.** Postharvest Institute for
Perishables, Moscow, Idaho. June, 1988, 97 pp and annexes.
- LA GRA, Jerry & MARTE, Rafael. **The fruit sub-sector in the Windward islands:
diagnosis-strategy-actions.** IICA Office, Castries, St. Lucia, June, 1987, 333 pp.
- LA GRA, Jerry, et al. **Censo de entradas y salidas de productos agropecuarios a la ciudad
de Santo Domingo.** IICA/SEA/ADN. Santo Domingo, R.D. Mayo, 1985, 77 pp, 18
annexes.
- RODRIGUEZ, C., LA GRA, J. y BASTIDAS, A. **Formulacion de un plan de accion a
corto plazo dentro de un marco de seguridad alimentaria: Marco teorico.**
Publicacion Miscelaneas No. 565, IICA Santo Domingo, R.D. Mayo, 1985. 34 pp.
- LA GRA, Jerry, et al. **Formulacion de un plan de accion a corto plazo dentro de un marco
de seguridad alimentaria: marco orientador.** Publicacion Miscelaneas No. 566, IICA,
Santo Domingo, R.D. Mayo, 1985, 38 pp.
- LA GRA, Jerry. **Informe Final: Convenios IICA/SEA/FONDOPREI, Resumenes de
trabajos realizados.** Publicacion Miscelaneas No. 554, IICA, Santo Domingo,
Republica Dominicana. Agosto 1984. 93 pp. annex.
- LA GRA, J.L. et al. **An integrated approach to the study of postharvest problems in
tropical countries: A case study in Taiwan.** Postharvest Institute for Perishables,
University of Idaho, Moscow, Idaho. September, 1983, 97pp.
- LA GRA, J.L. **Developing marketing systems in the Dominican Republic,** book edited by
Hans F. Illy, "Politics, public administration and rural development in the Caribbean".
Arnold-Berstraesser-institut. Welforum verlag, Munchen, 1983, pp 241-264.

- _____. **El rol de la organizacion campesina en el mercadeo. III congreso de sociologia, problematica rural en Republica Dominicana, 18-21 octubre 1982. Asociacion Dominicana de Sociologos. Santo Domingo, Republica Dominicana, 1983. 24 pp.**
- LA GRA, J.L., et al. Identificacion, evaluacion y reduccion de perdidas de postcosecha: arroz en la Republica Dominicana. Publicacion Miscelaneas 358, IICA, Santo Domingo, Republica Dominicana. Septiembre 1982, 129 pp. English summary.**
- LA GRA, J.L. Improving effectiveness of marketing systems: IICA technical cooperation in the Dominican Republic. Society of International Development/Inter-American Development Bank, Washington, D.C. July, 1982. 18 pp.**
- _____. **An overview of postharvest losses in the Caribbean. Commonwealth Secretariat, Vol. 2. Report of postharvest losses consultative meeting. London. July, 1981. 20 pp.**
- _____. **La evolucion del sistema de comercializacion en la Republica Dominicana. FEDOCOOP, memorias seminario mercadeo agricola cooperativo. Santo Domingo, R.D. Marzo, 1981, 11 pp y cuadros.**
- _____. **Inventory of institutions in the Caribbean and Central America with activities in postharvest loss reduction. Miscellaneous Publication No. 240. IICA, Santo Domingo, R.D. November, 1980. 78 pp.**
- DEEP FORD, J.R. & LA GRA, J.L. An institutional analysis of the Guyana Marketing Corporation. Miscellaneous Publication No. 267, IICA, Georgetown, Guyana. June, 1980. 67 pp.**
- LA GRA, J.L. et al. Informe final del proyecto de comercializacion integrado. Julio 1975-diciembre 1979. Publicacion Miscelaneas No. 221, IICA, Santo Domingo, R.D. Febrero, 1980. 124 pp.**
- LA GRA, J.L. An agricultural marketing strategy for the Caribbean: 1980's. Miscellaneous Publication No. 220. IICA, Santo Domingo, R.D. September, 1979. 29 pp.**
- AMEZQUITA, R. & LA GRA, J.L. A methodological approach to identifying and reducing post harvest food losses. Miscellaneous Publication No. 219. IICA, Santo Domingo, R.D. December, 1979. 78 pp.**
- GIRAULT, C. et LA GRA, J. Reseaux de commercialisation et aprovisionnement urbain en Haiti. Nouvelles recherches sur l'aprovisionnement des villes. No. 28. Centre d'Etudes de Geographie Tropicale, Centre National de la Recherche Scientifique, Bordeaux, France, Avril 1977, 43pp.**

LA GRA, J.L. Mission d'assistance technique integree. Chapitre 5, Agriculture. Du IIeme volume, Developpement Sectoriel. OEA, Washington, D.C. Decembre, 1972. pp 343-378.

_____. **Mission d'assistance technique integree. Chapitre 7, Utilisation de la terre. Du IIIeme volume, Ressources Naturelles. OAS, Washington, D.C. Decembre, 1972. pp 607-632.**

_____. **Haitian sisal plantations and exports on the wane. Foreign agriculture. USDA. Washington, D.C. January 11, 1971. 1 p.**

_____. **Income and expense accounts of selected mexican-american families in the Othello Area of Central Washington. Washington State University. Master's Thesis. June, 1969. 126 pp.**

ANNEX 1-B

MIMEOGRAPHED PUBLICATIONS

- LA GRA, J.L. et al. **Report on the identification of priority actions to facilitate closer collaboration between Haiti, Dominican Republic and other countries of the Caribbean region.** IICA, Georgetown, Guyana. November, 1995. 39 pp and 6 annexes.
- LA GRA, J.L. **Informe final convenio SEA/IICA/CENSERI.** Enero-diciembre 1981. IICA, Santo Domingo, R.D. Enero, 1982. 56 pp. 20 anexos.
- _____. **An analysis of markets and marketing systems for fruits and vegetables in Grenada.** IICA, St. George's, Grenada. October, 1980. 140 pp. Appendixes.
- _____. **Marketing research, ancillary services and export promotion.** IICA, Santo Domingo, R.D. A/D/32-80. Julio, 1980. 11 pp.
- FRIESTADT, K.V., AUDELO SILVA, R. y LA GRA, J.L. **Determinacion de residuos de insecticidas en tomate, cebolla y repollo en la Republica Dominicana.** IICA, Santo Domingo, R.D. Abril, 1979. 20 pp y anexos.
- LA GRA, J.L. **Elements of an agricultural marketing strategy for Jamaica.** IICA, Kingston, Jamaica. March, 1979. 18 pp.
- GIRAULT, C. y LA GRA, J.L. **La comercializacion de cafe en la Republica Dominicana: Un enfoque geografico.** IICA, Santo Domingo, R.D. Diciembre, 1977. 76 pp.
- LA GRA, J.L. et al. **Inventario de organizaciones agropecuarias activas en la Republica Dominicana.** Departamento de Economia Agropecuaria, SEA/IICA. Santo Domingo, R.D. Enero, 1977. 55 pp.
- _____. **Mercados publicos en la Republica Dominicana,** Departamento de Economia Agropecuaria, SEA/IICA. Santo Domingo, R.D. Julio, 1976, 33 pp.
- _____. **Organizaciones agropecuarias activas en la Republica Dominicana,** Departamento de Economia Agropecuaria. SEA/IICA. Santo Domingo, R.D. Julio, 1976. 18 pp.
- _____. **Les marches publics d'Haiti.** Institut Interamericain des Sciences Agricoles, Port-au-Prince, Haiti. Novembre, 1975. 97 pp (31 LH/75).
- JOHNSON, J.L. & LA GRA, J.L. **Le systeme de commercialisation agricole d'Haiti: Une analyse de prix.** Port-au-Prince, Institut Interamericain des Sciences Agricoles, novembre, 1975. 31 pp. (33 LH/75).

GIRAULT, C. & LA GRA, J.L. Caracteristiques structurelles de la commercialisation interne des produits agricoles en Haiti. Port-au-Prince, Institut Interamericain des Sciences Agricoles, Juillet, 1975. 53 pp. (27 LH/75).

DUPLAN, V. & LA GRA, J.L. Transport des produits agricoles vers Port-au-Prince. Institut Interamericain des Sciences Agricoles, Port-au-Prince, Haiti, juin, 1975. 91 pp. (24 LH/75).

LA GRA, J.L. & DUPLAN, V. Enquete sur le transport des produits agricoles a l'entree et a la sortie du Cap-Haitien. Institut Interamericain des Sciences Agricoles, Port-au-Prince, Haiti, mai, 1975. 47 pp. (23 LH/75).

LA GRA, J.L. et al. Prix des produits agricoles dans les marches haitiens. Institut Interamericain des Sciences Agricoles, Port-au-Prince, Haiti. Mars, 1975. 50 pp. (21 LH/75). Edition Anglais/Francais.

DUPLAN, V. & LA GRA, J.L. Anaiyse du systeme de taxation des produits agricoles dans les marches haitiens. Institut Interamericain des Sciences Agricoles, Port-au-Prince, Haiti, Septembre, 1974. 45 pp. (16 LH/74).

LA GRA, J.L. Fabricacion de materiels d'emballage a Port-au-Prince. Institut Interamericain des Sciences Agricoles, Port-au-Prince, Haiti, Juin, 1974. 12 pp. (13 LH/74). Original en Anglais.

_____. **The role of diagnostic research in strengthening agricultural marketing institutions. IICA, Port-au-Prince, Haiti, April, 1974. 24 pp.**

_____. **Fruit and vegetable packing and canning materials produced in Port-au-Prince, Haiti. OAS, Port-au-Prince, Haiti. January, 1972. 16 pp.**

_____. **Cold storage and fumigation facillties in Port-au-Prince, Haiti. OAS. Port-au-Prince, Haiti. December, 1971. 29 pp.**

_____. **Available fruit and vegetable transport facilities from Port-au-Prince, Haiti. by sea and by air. OAS, Port-au-Prince, Haiti. September, 1971. 29 pp.**

ANNEX 2-A

PARTICIPATION IN TECHNICAL ASSISTANCE MISSIONS

- March 25-29, 1996** Honduras. Principal resource person to organise and execute 5-day workshop "Methodology for evaluation of food systems to identify problems and projects" at the Panamerican Agricultural School, Zamorano, in support of EAP/CASP. Case study was developed on mango.
- October 18-26, 1995** Dominican Republic and Haiti. Led 3-person mission to identify activities which could hasten the integration of these two countries with English-speaking countries of the Caribbean Region.
- November 9-10, 1993** Dominica. Resource person on 2-day workshop on project identification and formulation using CSAM.
- February 9-12, 1993** Barbados. Resource person in workshop "Designing a rural development strategy for Barbados".
- September 7-11, 1992** Barbados. Resource person for the IICA Sub-regional Workshop on project identification and formulation.
- June 20-26, 1992** Jamaica. Resource person for one-week workshop on project identification and formulation (CSAM).
- March 25-31, 1992** Port-of-Spain, Trinidad. Assisted CNIRD in preparation of Regional Rural Development Strategy.
- May 19-
June 12, 1991** Port-au-Prince, Haiti. Assisted IICA Office in design of marketing component of PPK.
- October 14-19, 1990** Port-au-Prince, Haiti. Assisted IICA Office evaluate components of IICA/USAID Coffee revitalization Project (PPK) and formulate marketing profile.
- May 9-21, 1990** Toronto, Ontario. Carried out a market niche opportunity study for OECS produce.
- March 11-19, 1989** Colombia (Bogota, Pereira, Armenia). Led a team of representatives of banana growers associations from Dominica, Grenada, St. Lucia and St. Vincent to study diversification experience of National Federation of Coffee Growers.

- August 21-
September 24,** Malaysia, Thailand, Singapore, Indonesia, Philippines. Team Leader to assist PIP/ASEAN Food Handling Bureau develop manual for analysing food systems to determine causes of postharvest losses.
- April 6-18,
1986** Costa Rica. Participate in four-man team to conceptualise the IICA Marketing and Agroindustry Programme for 1987-91 Medium Term Plan.
- October 1-4,
1985** Barbados. Participant in IICA Regional Seminar on pests and diseases as constraints in the production and marketing of fruits in the Caribbean.
- August 25-
September 4,
1985** Trinidad. Assist IICA Office and host country nationals prepare a project profile to solicit technical assistance to formulate marketing development projects.
- June 22-29,
1984** Quito, Ecuador. Assist IICA personnel define methodological bases for hemispheric program on food security.
- September 6-
October 12,
1983** Taiwan. Team Leader to assist Asian Vegetable Research and Center (AVRDC) develop methodology to evaluate postharvest food losses in perishable crops.
- May 23-28,
1982** Honduras. Participant in team to rewrite CORECA regional project for controlling postharvest food losses.
- May 1-6,
1982** Panama. Member of BID/IICA team to evaluate needs for institutional strengthening activities in marketing.
- December 1-4,
1981** Haiti. Member of USAID Haiti Food Sector Strategy Task Force.
- July 19-24,
1981** Trinidad. Presented Keynote Address at the Consultative Meeting on Postharvest Losses in the Caribbean, organised by Commonwealth Secretariat of London.
- January 25-31,
1981** Grenada. Program training and research activities related to improving the internal marketing system.
- September 21-
October 8,
1980** Grenada. Team Leader for diagnosis of internal marketing system for fresh products and preparation of Simon Bolivar Fund project profiles to resolve problems identified.
- March 18-24,** Trinidad. Preparation of proposal for technical cooperation to carry

- March 18-24, 1980** Trinidad. Preparation of proposal for technical cooperation to carry out institutional analysis of Agricultural Marketing Corporation.
- October 24- November 6, 1979** Guyana. Develop and execute methodology for institutional analysis of Guyana Marketing Corporation.
- July 9-20, 1979** Guyana. Member of technical assistance team to prepare proposal for technical cooperation in marketing, extension and credit.
- December 10-16, 1978** Guatemala. Team Leader for the preparation of an IICA proposal for an IICA proposal for technical cooperation for USAID-financed project to strengthen marketing system for small farmers.
- February 15-20, 1978** Guyana. Participated as marketing specialist in IICA/BID technical assistance mission to assist Government prepare Food Crop Production/Marketing Project.

ANNEX 2-B

PARTIPATION IN INTERNATIONAL EVENTS

| <u>Dates</u> | <u>Place</u> | <u>Purpose</u> |
|-----------------------------|-------------------------|--|
| November 11-16, 1996 | Costa Rica | Participated in 6-day workshop on Sustainable Agricultural and Rural Development and presented case study of strategy being used in Guyana. |
| July 9-28, 1995 | Nicaragua | Participated in High Management Training Course at Monte Fresco, INCAE, Managua, for IICA staff; initiation of IICA re-engineering process. |
| August 16-20, 1993 | Barbados | Participant in workshop "Managing for Excellence". |
| October 16-20, 1992 | Miami, Florida | Attended CONTACT 92, 5th International Resource Exchange Forum, sponsored by PADF. |
| July 14-15, 1992 | Baltimore, Maryland | Made presentation on CSAM Methodology to 50 USAID Agricultural Development Officers in Africa. |
| July 7-10, 1992 | Port-of-Spain, Trinidad | Participant in 3rd Biennial Assembly of CNIRD. |
| May 20-22, 1992 | Grenada | Represented IICA at the 2nd Meeting of OECS Ministers of Agriculture. |
| April 19-27, 1992 | St. Paulo, Brasil | Participated in Meeting of Programme III Specialists and NGO Group ESQUEL on Rural Development. |
| March 19, 1992 | Guadeloupe | Resource person in Vegetable/Food Crops Network Workshop. Presented paper "Towards a strategy for effective networking with farmers' organizations in the OECS". |
| February 11-12, 1992 | Dominica | Participated in OECS/ACU workshop to discuss establishment of Marketing Information Service. |

| | | |
|---|--|---|
| January 9, 1992 | Dominica | Made presentation at AREP workshop on CSAM methodology for problem and project identification. |
| October 17 & September 26, 1991 | Barbados | Technical assistance in design of rural development strategies. |
| July 8, 1991 | Port-of-Spain, Trinidad | Made presentation on project identification/formulation using CSAM methodology. |
| March 19, 1991 | Barbados | Presented CSAM manual to representatives of agriculture sector. |
| November 12-14, 1990 USAID/USDA. | Jamaica | Presented paper on CSAM at the Agricultural Marketing Workshop organised by Jamaica Trade Commission/ |
| July 17-19, 1990 | Port-of-Spain, Trinidad | Participated in 2nd Biennial Assembly of Caribbean Network for Integrated Rural Development (CNIRD). |
| July 4-6, 1990 | Antigua | Participated in OECS Vegetable Development Project Workshop. |
| June 25, 1990 | Port-of-Spain, Trinidad | Presented paper at Workshop on Post Harvest Handling of Horticultural Commodities for Export. |
| June 11-13, 1990 | Lima, Peru | Presented paper on CSAM methodology at International Potato Center Workshop on Methods of Investigation in Marketing. |
| March 17-25, 1990 | Quito, Ecuador | Presented experiences of OECS farmer organizations and CSAM methodology to IICA Programme 3 & 4 Staff. |
| September 4-19, 1987 | University of California, Davis, California | Assisted PIP/University of California as trainer in short "Postharvest losses in perishable crops - A systems approach to the identification of causes and solutions". |
| August 14-17, 1986 | University of California, Davis | Presented paper "A systematic approach to studying postharvest losses" at 22nd International Horticultural Congress. |

| | | |
|---|--|---|
| June 17-28, 1985 | University of California, Davis | Participant in Postharvest Technology Short Course. |
| April 29- May 1, 1985 | Barbados | Participated in USAID Caribbean Basin Workshop on Windward Islands Tropical Fruit Subsector Project. |
| February 9-13, 1985 | Manila, Philippines | Presented paper "Identifying and controlling postharvest food losses" at ASEAN workshop. |
| June 18-22, 1984 | Lima, Peru | Observer in meeting organised by the Junta de Cartagena on Food Security. |
| May 8-15, 1983 | Bogota, Colombia | Represented IICA in FAO-sponsored Expert Consultation on Intensive Urbanization and its Food and Nutritional Consequences in Latin America. |
| September 15- 16, 1982 | Vicosa, Brasil | Presented paper on "Marketing and the postharvest system -- a systematic approach: in FAO-sponsored Latin American Seminar on Prevention of Postharvest Losses in Grains. |
| August 24- September 2, 1982 | Washington, D.C. | Symposium on Internal Food Marketing in countries of in countries of Latin America and the Caribbean, organised by BID. |
| July 18, 1982 | Baltimore, Maryland | Presented paper on "Marketing in the Dominican Republic" at Workshop on Role of marketing as a Tool of Socio-Economic Development in the Third World, organised by Society of International Development/BID. |
| September 15- 16, 1981 | Washington, D.C. | Participant in meeting to discuss organisation, objectives objectives and functions of the Group for Assistance on Perishable Products (GAPP). |
| January 9-21, 1981 | East Lan- sing, Michigan | Participant in MSU Workshop on Food System Organisation Problems in Developing Countries. |
| May 3-12, 1980 | Rome | Participant in FAO/UNDP Expert Consultation on Food Loss Prevention in Perishables of Plant Origin. |

- April 19-26,
1980** Barbados Presented paper on "The State of Marketing Research, Marketing Services and Export Promotion in the Caribbean" in Agricultural Marketing Conference sponsored by Caribbean Development Bank.
- June 7-8,
1979** Washington, D.C. Presentation of results of study on pesticide residues in tomatoes, onion and cabbage in the Dominican Republic at "U.S. Strategy Conference on pesticide management" organised by U.S. State Department.
- March 13-17,
1978** London Active participation and Chairman of one session of one session of seminar "Introducing Food Loss Assessment Studies into Loss Reduction Programmes", organised by the Tropical Products Institute.
- October 31-
November 3,
1977** Washington, D.C. Working meeting of International Experts on Postharvest Losses, organised by the National Academy of Sciences to interchange experiences and evaluate NAS report on postharvest food losses.



