



**SAVANNAH TREES IN GHANA: FARMERS' KNOWLEDGE
ATTITUDES AND PRACTICES**

by

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A Dissertation presented for the degree of Master of Science

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ACKNOWLEDGEMENTS

Many people have contributed to this research, both directly and indirectly. First and foremost the residents of Jumo, Charia, and Bo, and their associates in the Institute of Adult Education, Funsu Development Project and Nandom Agricultural Project. Without their will, cooperation and hospitality this work would not have been possible. My thanks go to all the staff at CEDEP, both in Kumasi and Wa, for their support and assistance. In particular Helen Angbing, Aidan Sabie Naah, and John Yelevielbayire who demonstrated enthusiasm, skill and experience throughout the fieldwork period.

My very great thanks go to Celia Marshall and Tony Dogbe and their family, for their hospitality, professional advice and above all, their friendship. Help with visas, finance and affiliation in Ghana came from Dr. Quashie-Sam and the staff at IRNR. Informal professional support in Ghana came from Jane Gronow, Esther Goodie, Joe Nchor, Matthew Bonye, James Duma and Linneas Kaboba. I would also like to thank the staff at Teegber Guest House, Anastasia, the Sibeko family and the Tenzagh family for accommodating and feeding me.

In the UK, I must thank the Davis Fund and the Agroforestry Options for Ghana Project for the financial support on which the fieldwork depended. I have benefited immensely from the support of my supervisors, Roy Fawcett and Andrew Inglis, who have both wholeheartedly endorsed my project from the start. A special thank you should also go to Dr. Drake Hocking who in 1986 provided the original inspiration to seek an understanding of the farmer's perspective, and who provided comments and criticism on this manuscript.

Finally I would like to thank my colleagues on the MSc programme, my friend Rachel, and my family who have all provided direction, reflection and distraction at the appropriate times.

APPENDIX F: FIELDWORK TIMETABLE, BUDGET, AND AGREEMENTS

F.1 Fieldwork Timetable

Day	Date	Location	Itinerary	
Sun	18-May-97	Accra		
Mon	19-May-97	Accra		Meeting with VSO Field Director
Tue	20-May-97	Kumasi	Familiarisation week with CEDEP Head Office	Travel, introductory meeting with Director of CEDEP
Wed	21-May-97	Kumasi		Introductory meeting with Director of IRNR
Thu	22-May-97	Kumasi		Meeting with Collaborative Management Forestry Unit
Fri	23-May-97	Kumasi		Visa formalities
Sat	24-May-97	Kumasi		
Sun	25-May-97	Wa		Travel
Mon	26-May-97	Wa		Introductory meeting with IAE, and visit to Charia
Tue	27-May-97	Wa		Introductory meeting with CEDEP, Northern Office
Wed	28-May-97	Lawra		Field meeting with CEDEP Training and Consultancy Unit
Thu	29-May-97	Wa		Meeting with Regional Agroforestry Officer
Fri	30-May-97	Wa		Meetings with the Directors of Nandom Agricultural Project and Funsu Agricultural Project
Sat	31-May-97	Wa		(Rest)
Sun	1-Jun-97	Wa		Meeting with Suntaa Nuntaa Agroforestry Project
Mon	2-Jun-97	Wa	Familiarisation week with CEDEP Northern Office	Meetings with MOFA and IFAD
Tue	3-Jun-97	Wa		Participated in CEDEP staff meeting
Wed	4-Jun-97	Wa		Introductory meeting at Charia
Thu	5-Jun-97	Wa		Self-preparation
Fri	6-Jun-97	Wa		Planning day with core facilitators
Sat	7-Jun-97	Wa		(Rest)
Sun	8-Jun-97	Wa		Preparation for first case-study week
Mon	9-Jun-97	Charia	Charia Case-study week Emergency visa visit to Kumasi	Meetings with Women's Literacy Group, and <i>Tindaana</i>
Tue	10-Jun-97	Charia		Meetings with Christian Mothers Group, and Head-teacher
Wed	11-Jun-97	Charia		Meeting with Chief
Thu	12-Jun-97	Kumasi		Travel
Fri	13-Jun-97	Kumasi		Visa formalities
Sat	14-Jun-97	Kumasi		(Rest)
Sun	15-Jun-97	Wa		Travel
Mon	16-Jun-97	Funsu	Jumo Case-study week	Travel
Tue	17-Jun-97	Funsu		Interviews in Funsu, preparation for week
Wed	18-Jun-97	Funsu		Meeting with Jumo Farmers Group
Thu	19-Jun-97	Funsu		Meeting with Jumo Chief
Fri	20-Jun-97	Funsu		Farm visits in Jumo
Sat	21-Jun-97	Wa		Travel
Sun	22-Jun-97	Wa	Field report	(Rest)
Mon	23-Jun-97	Wa	writing week	Jumo Report writing
Tue	24-Jun-97	Wa		Vernacular tree names research
Wed	25-Jun-97	Wa		Substitute Case-study work in Charia
Thu	26-Jun-97	Wa		Jumo Report writing
Fri	27-Jun-97	Wa		Planning visit to Nandom
Sat	28-Jun-97	Wa		Jumo Report writing
Sun	29-Jun-97	Wa		Substitute Case-study work in Charia
Mon	30-Jun-97	Wa		Jumo Report writing
Tue	1-Jul-97	Wa		Jumo Report writing
Day	Date	Location	Itinerary	

Wed	2-Jul-97	Wa		Substitute Case-study work in Charia
Thu	3-Jul-97	Wa		Vernacular tree names research
Fri	4-Jul-97	Wa		Jumo Report writing
Sat	5-Jul-97	Wa		(Rest)
Sun	6-Jul-97	Nandom		Travel
Mon	7-Jul-97	Bo	Bo Case-study week	Introductory meeting with Nandom Agricultural Project
Tue	8-Jul-97	Bo		Meeting with Bo Animal Traction Farmers Group
Wed	9-Jul-97	Bo		Meeting with Christian Mothers Association
Thu	10-Jul-97	Bo		Meeting with Primary School Class Six
Fri	11-Jul-97	Bo		Meeting with Chief
Sat	12-Jul-97	Nandom		Meeting with Shea Nut Improvement Project
Sun	13-Jul-97	Wa		Meeting with Nandom Forestry Department Staff, travel
Mon	14-Jul-97	Wa		Jumo Report writing
Tue	15-Jul-97	Wa		Charia Report Writing
Wed	16-Jul-97	Wa		Charia Report Writing
Thu	17-Jul-97	Wa		Charia Report Writing
Fri	18-Jul-97	Wa		Charia Report Writing
Sat	19-Jul-97	Wa		(Rest)
Sun	20-Jul-97	Kumasi		Travel
Mon	21-Jul-97	Kumasi		Meeting with Forestry Department Botanists
Tue	22-Jul-97	Kumasi		Charia Report Writing
Wed	23-Jul-97	Kumasi		Meeting with Forestry Department Botanists
Thu	24-Jul-97	Kumasi		Charia Report Writing
Fri	25-Jul-97	Kumasi		Charia Report Writing
Sat	26-Jul-97	Kumasi		(Rest)
Sun	27-Jul-97	Kumasi	Agroforestry	(Rest)
Mon	28-Jul-97	Kumasi	Options for	Bo Report Writing
Tue	29-Jul-97	Kumasi	Ghana	Bo Report Writing
Wed	30-Jul-97	Kumasi	Workshop	Meeting with Deputy Chief Conservator of Forests
Thu	31-Jul-97	Accra		Presentation at Workshop, travel
Fri	1-Aug-97	UK		Travel

F.2 Fieldwork Budget

Item	Cost in Sterling	Cost in Cedis (¢)	Sub-Totals	Total
Travel				
International Travel	£ 723.00		£ 823.00	
National Transport		¢ 500,000.00	£ 147.00	£ 870.00
Subsistence				
Accommodation		¢ 860,000.00	£ 253.00	
Food		¢ 1,050,000.00	£ 309.00	
Sundries		¢ 390,000.00	£ 115.00	£ 677.00
Others				
Visa (UK & local ext)	£ 15.00	¢ 47,000.00	£ 29.00	
Equipment Insurance	£ 66.00		£ 66.00	
UK admin. costs	£ 40.00		£ 40.00	£ 135.00
Materials				
Photographic		¢ 87,000.00	£ 26.00	
Stationary		¢ 62,000.00	£ 18.00	
Sundry		¢ 176,000.00	£ 52.00	£ 96.00
Total				£ 1,778.00

Average exchange rate during fieldwork was £ 1.00 = ¢ 3,400.00. Figures are rounded.

F.3 Agreement between CEDEP Wa and David Young 3 June, 1997

David Young will provide an opportunity for members of CEDEP Wa Training and Consultancy Unit to gain confidence and practical experience in participatory approaches to research through their collaboration in his fieldwork. The terms of this collaboration are specified below.

1. The familiarisation week will conclude with a **one day planning workshop** on Friday 6th June with all three members of CEDEP TCU will be required to bring everyone to the same level of understanding regarding the process and the objectives. This will give both the TCU and David opportunity to agree the most appropriate tools and methods to use in order to meet these objectives, to assign individual responsibilities.
2. The **first fieldwork period** will be from Monday 9th June to Friday 13th June in Charia village, near Wa. All three members of the TCU will have the opportunity to work throughout the week in order to see the complete process. The first two days are expected to be taken up by PRA group exercises, and the remainder of the week by in-depth semi-structured interviews and visits to farms. In both situations, as is usually the case with participatory research, we will be working to the local community's daily schedules, and will therefore at times have to work outside normal office hours. David will reside at Charia for the duration of the week, and he will be responsible for organising group meetings with village institutions, in conjunction with local opinion leaders.
3. The **second fieldwork period** will be from Monday 16th June to Friday 20th June, based at Funsu Agricultural Project and working in conjunction with Stephen Sibeko. One member of the TCU will be invited to stay for the first two days, and work on the PRA group exercises as described above. David will continue to stay in Funsu for the rest of the week.
4. The **third fieldwork period** will be from Monday 7th July to Friday 11th July, based in the Nandom area. One member of the TCU will be invited to stay for the first two days, and work on the PRA group exercises as described above. David will continue to stay in the village for the rest of the week. The precise location of this period will be decided by David, in consultation with Nandom Agriculture Project (who may also offer a research colleague) and others, in the week before 7th July.
5. **Per diems** for CEDEP staff for the overnight stays in Funsu and Nandom will be paid by CEDEP at the usual rate. **Travel arrangements** for CEDEP staff will be the responsibility of CEDEP, although fuel costs will be met by David. The cost of any necessary **materials** will be covered by David.
6. **Writing up of the research findings** will be the responsibility of David, and will be completed by 21st July, when David will return to Kumasi and then to the UK. All colleagues in the research process will be duly acknowledged. A draft copy of the findings will be provided to CEDEP, followed by a copy of the full thesis in due course.

APPENDIX G: ASSISTANTS / COLLABORATORS

Professional Advisors (National)

Adam Abu, Deputy Chief Conservator of Forests (Rural Forestry) and Chair, Savannah Woodland Management Implementation Committee, Forestry Department, Accra.

Alex Asari and Jane Gronow, Collaborative Forest Management Unit, Forestry Department, Kumasi.

In-country Academic Supervisors

Dr. S.J. Quashie-Sam, Director, Institute of Renewable Natural Resources, UST.

Tony Dogbe, Executive Secretary, CEDEP, Kumasi.

External Facilitators

Aidan Sabie Naah, Helen Angbing, and John Yelevielbayire, Training and Consultancy Unit, CEDEP, Wa.

Local Guides and Assistants

Anastasia Abobu and Peter Naah, Adult Literacy Teachers, Institute of Adult Education, Charia Project Site.

James Duma and Stephen Sibeko, Agriculturalists, Funsu Development Project, Funsu (including Jumo).

Albana Yuonfaa, Agricultural Extensionist, Nandom Agricultural Project, Nandom (including Bo).

Bartholomew P. Z. Bemile, Agricultural Extension Officer, MOFA Extension Services, Hamile (including Bo).

Professional Advisors (Regional)

Mathius Pouza, Regional Organiser, Institute of Adult Education (Upper West Region), University of Ghana.

Mr. Odami, District Forest Officer (Wa District), Wa.

Mr. Clark, Regional Agroforestry Officer (Upper West Region), MOFA, Wa.

Joe Nchor, Agroforestry and Animal Traction Officer, Plantations Development Ltd., Wa.

Peter Lovett, researcher on selection and breeding of improved shea trees, Bole, Northern Region.

Translation and Tree Identification

J. G. Ntim, Forest Botanist, Forestry Department, Kumasi. Species identification.

J. N. Yirikah, Richard Braimah and A. M. Hillia, Non-formal Education Department, Ministry of Education (Upper West Region). Checking Sisaali translations.

Joe Dakyie, Regional Education Office (Upper West Region). Checking Dagare translations.

Philip Desmond, Nandom Agricultural Project. Provision of secondary data on vernacular tree names.

Ranious Zelle, former Agricultural Extension Officer, Wa. Collection of samples for identification.

D. V. Cosmos, Forest Guard, Forestry Department, Nandom. Checking translations and local Dagare dialect.