

## SELECTED PUBLICATIONS

### BOOKS

**2008**

**R. Behnke** (ed.). *The Socio-Economic Causes and Consequences of Desertification in Central Asia*. Springer, Dordrecht, The Netherlands.

**2008**

K. Galvin, R. Reid, **R. Behnke** and T. Hobbs (eds.) *Fragmentation in Semi-arid and Arid Landscapes: Consequences for Human and Natural Systems*. Kluwer Publishing Co.

**1996**

C. Kerven, J. Channon and **R. Behnke**. *Review of Extensive Livestock Development in Central Asia*. Overseas Development Institute, London.

**1993**

**R. Behnke**, I. Scoones and C. Kerven (eds.). *Range Ecology at Disequilibrium: New Models of Natural Variability and Pastoral Adaptation in African Savannas*. Overseas Development Institute, London.

**1980**

*The Herders of Cyrenaica*. Urbana, University of Illinois Press.

### BOOK CHAPTERS AND ARTICLES

**2011**

**R.H. Behnke**, M. Fernandez-Gimenez, M. Turner and F. Stammer. Pastoral migration: mobile systems of livestock husbandry. In E.J. Milner-Gulland, J. Fryxell and A.R.E. Sinclair (eds.) *Migration – A Synthesis*. Oxford University Press.

**R.H. Behnke**. Pastoral Land Rights and Resource Governance: Overview and Recommendations for Managing Conflicts and Strengthening Pastoralists' Rights. USAID Issue Brief, Property Rights and Resource Governance Briefing Paper No. 10  
<http://usaidlandtenure.net/usaidltp/products/issue-briefs/issue-brief-pastoral-land-rights-and-resource-governance/view>

**R.H. Behnke** and C. Kerven. Replacing pastoralism with irrigated agriculture in the Awash Valley, northeast Ethiopia: counting the costs. Paper presented at the International Conference on Future of Pastoralism, 21 – 23 March 2011, organised by the Future Agricultures Consortium at the Institute of Development Studies, University of Sussex and the Feinstein International Center of Tufts University. A bridged version of the paper will appear in 2012 as a chapter in *Development at the Margins: Pastoralism in the Horn of Africa*, (Routledge/ Earthscan) edited by Andy Catley, Jeremy Lind and Ian

Scoones. The full paper will be published in 2011 in the Issue Paper series sponsored by IIED..

## 2010

Toutain, B., A. Isipwocz, C. Dutilly-Daine, R. Reid, M. Ibrahim, A.T. Diop, V.K.Taneja, A.Gibon, D Genin, M. Ibrahim, **R. Behnke**, and A. Ash. Impacts of extensive livestock systems on terrestrial ecosystems. In H. Steinfeld, H.A. Mooney, F. Schneider, and L.E. Neville (eds.) *Livestock in a Changing Landscape: Drivers, Consequences and Responses*. Island Press, Washington, D.C.

## 2008

The economic contribution of pastoralism: case studies from the Horn of Africa and southern Africa. *Nomadic Peoples* 12 (1): 45-79.

Alimaev I.I. and **R. H. Behnke**. Ideology, land tenure and livestock mobility in Kazakhstan. In K.Galvin, R. Reid, R. Behnke and T. Hobbs (eds.) *Fragmentation in Semi-arid and Arid Landscapes: Consequences for Human and Natural Systems*. Springer, Dordrecht, The Netherlands.

The drivers of fragmentation processes in semi-arid and arid landscapes. In K.Galvin, R. Reid, **R. Behnke** and T. Hobbs (eds.) *Fragmentation in Semi-arid and Arid Landscapes: Consequences for Human and Natural Systems*. Springer, Dordrecht, The Netherlands.

**R. Behnke**, G. Davidson, A. Jabbar, M. Coughenour. Human and natural factors that influence livestock distributions and rangeland desertification in Turkmenistan. In R. Behnke (ed.) *The Socio-Economic Causes and Consequences of Desertification in Central Asia*. Springer, Dordrecht, The Netherlands.

Michael Coughenour, **Roy Behnke**, John Lomas and Kevin Price. Forage distributions, range condition, and the importance of pastoral movement in Central Asia – a remote sensing study. In R. Behnke (ed.) *The Socio-Economic Causes and Consequences of Desertification in Central Asia*. Springer, Dordrecht, The Netherlands.

Iliya I. Alimaev, Carol Kerven, Aibyn Torekhanov, **Roy Behnke**, Kazbek Smailov, Vladimir Yurchenko, Zhaksinbai Sisatove and Kanat Shanbaev. The impact of livestock grazing on soils and vegetation around settlements in southeast Kazakhstan. In R. Behnke (ed.) *The Socio-Economic Causes and Consequences of Desertification in Central Asia*. Springer, Dordrecht, The Netherlands.

## 2006

Kerven, C., I. Alimaev, **R.Behnke**, G. Davidson, A. Smailov, S. Temirbekov, I. Wright. Fragmenting pastoral mobility: changing grazing patterns in post-Soviet Kazakstan. In D. Bedunah, J. McArther, E. Durant and M. Fernandez-Gunebez (eds.) *Rangelands of Central Asia: Transformations, Issues and Future Challenges*. USDA Forest Service Proceedings RMRS-P-39.

## 2005

- R. Behnke**, A. Jabbar, A. Budanov, and G. Davidson. The administration and practice of leasehold pastoralism in Turkmenistan. *Nomadic Peoples* (9) 1, 2: 147-170.
- E.J. Milner-Gulland, C. Kerven, **R. Behnke**, I.A. Wright, A. Smailov. A multi-agent system model of pastoralist behaviour in Kazakhstan. *Ecological Complexity*: 57: 1-14.
- Behnke, R.H.**, and G. C. Davidson. Range-based livestock production in Turkmenistan. In J. Milne (ed.) *Pastoral Systems in Marginal Environments*. Proceedings of a satellite workshop of the XXth International Grasslands Congress, July 2005, Glasgow. Wageningen Academic Publishers, Netherlands, pp. 91-102.

## 2004

- Kerven, C., Alimaev, I., **Behnke**, R.H., Davidson, **G.C.**, Smailov, A., Temirbekov, S., Wright, I.A. Fragmenting pastoral mobility: Changing grazing patterns in post-Soviet Kazakstan. *African Journal of Range and Forage Science* 21 (3): 159–169.

## 2003

- Reconfiguring property rights and land use in pastoral Kazakstan. In C. Kerven (ed.) *From State Farm to Private Flock: The Prospects for Pastoralism in Kazakstan and Turkmenistan*. RoutledgeCurzon Press, London.
- Kerven, C., I.I. Alimaev, **R. Behnke**, G. Davidson, L. Franchois, N. Malmakov, E. Mathijs, A. Smailov, S. Temirbekov and I. Wright. Retraction and expansion of flock mobility in Central Asia: costs and consequences. In *Proceedings of the VII International Rangelands Congress*, Durban, South Africa.
- R. Behnke**, I. Alimaev, V. Yurchenko, Zh. Sisatov. K. Kushenov, and G. Kilidebkova. The modern state of pastures in Almaty Oblast. *The Bulletin of Agricultural Science in Kazakhstan* 3: 25, 26. In Russian.
- R. Behnke**, V Yurchenko, Z. Sisatov, K. Kushenov and I. Alimaev. Degradation and regeneration of vegetation of the Moiynkum-Betpakdala pasture complex. *The Bulletin of Agricultural Science in Kazakhstan* 2: 16, 17. In Russian.

## 2002

- S.M. Howden, B. Foran and **R. Behnke**. Future shocks to people and rangelands. A.C. Grice and K.C. Hodgkinson (eds.) *Global Rangelands: Progress and Prospects*. CABI Publishing, Wallingford UK.
- S.P.J. Batterbury, **R.H. Behnke**, P.M. Doll, J.E. Ellis, P.A. Harou, T.J.P. Lynam, A Mtimet, S.E. Nicholson, J.A.Obando, and J.B. Thornes. Responding to desertification at the national scale: detection, explanation, and responses. In J.F. Reynolds and D.M. Stafford-Smith (eds.) *Global Desertification: Do Humans Cause Desertification?* Dahlem University Press, Berlin.
- Pastoralism and global change in Central and Inner Asia: a proposal for collaborative research on livestock population dynamics, market reforms and land cover change. In T. Chulun and D. Ojima (eds.) *Fundamental*

*Issues Affecting Sustainability of the Mongolian Steppe.* Interpress, Ulaanbaatar, Mongolia.

## **2000**

Equilibrium and non-equilibrium models of livestock population dynamics in pastoral Africa: their relevance to Arctic grazing systems. *Rangifer* 20: 1-12.

## **1999**

Stock movement and range management in a Himba community in northwestern Namibia. In M. Niamir-Fuller (ed.) *Managing Mobility in African Rangelands*, pages 184-216. Intermediate Technology Publications, London.

## **1998**

**R. Behnke**, R. Bovell, A. Hengula, H. Matsaert and T. Tolmay. The contribution of livestock to Kavango livelihoods. *Agricola*. Windhoek, Namibia.

## **1997**

Economic models of pastoral land tenure. *African Journal of Range and Forage Science* 14 (1): 32-37.

## **1996**

**R. Behnke** and N. Abel. Revisited: the overstocking controversy in semi-arid Africa, a series of three papers: Intensification or overstocking: when are there too many animals?, Stocking rates for African pastoral systems, and Sustainability and stocking rate on African rangelands. *World Animal Review*: 87(2): 3-27.

## **1995**

**R. Behnke** and J.M. Scurlock. Social dimensions of climate change: lessons from Africa's rangelands'. *Rangelands in a Sustainable Biosphere: Proceedings of the Fifth International Rangeland Congress, Vol. II, Invited Presentations*: 143-46.

The limits on production and population growth in pastoral economies. *Tropical Agriculture Association Newsletter* 15 (4): 2-4.

## **1994**

**R. Behnke** and C. Kerven. Redesigning for risk: tracking and buffering environmental variability in Africa's rangelands. *Natural Resource Perspectives No. 1*, Overseas Development Institute, London. Reprinted in *Livestock Development Strategies for Low Income Countries* edited by R.T. Wilson, S. Ehui and S. Mack, published in 1995 by FAO and ILRI (International Livestock Research Institute), Rome and Nairobi: 87-92.

Natural resource management in pastoral Africa. *Development Policy Review* 12: 5-27. Reprinted in abridged form in 1995 in *Social Aspects of Sustainable Dryland Management* edited by D. Stiles. John Wiley & Sons, Chichester, England.

**1993**

P .M. Sikana, C. Kerven and **R. Behnke**. From Subsistence to specialised commodity production: commercialisation and pastoral dairying in Africa. *Pastoral Development Network Paper No. 34d*. London: Overseas Development Institute.

**1992**

New directions in African range management. *ODI Pastoral Network paper 32c*, Overseas Development Institute, London.

**1991**

**R. Behnke** and I. Scoones. *Rethinking Range Ecology: Implications for Rangeland Management in Africa* (co-author I Scoones). Overview of paper presentations and discussions at the 'Technical Meeting on Savanna Development and Pasture Production', 19-21 November 1990. Commonwealth Secretariat, London. This paper was also published in 1992 by the World Bank Environment Department as *Environment Working Paper No. 53*, and appeared in English and French translation in the Institute for Environmental Development's *Drylands Programme Issues Paper* series.

Economic models of pastoral land tenure. In *New Concepts in International Rangeland Development: Theories and Applications*, Proceedings of the 1991 International Rangeland Development Symposium, Society for Range Management, U.S.A. Reprinted in 1997 in the *African Journal of Range and Forage Science* 14 (1): 32-37.

**1988**

Range enclosure in Central Somalia. *ODI Pastoral Development Network Paper 25b*, Overseas Development Institute, London.

**1987**

Cattle accumulation and the commercialization of the traditional livestock industry in Botswana, *Agricultural Systems*, 24 (1): 1 - 29.

**1986**

The implications of spontaneous range enclosure for African livestock development policy. *African Livestock Policy Analysis Network No 12*, International Livestock Centre for Africa, Addis Ababa.

**1985**

Open-range management and property rights in pastoral Africa: a case of spontaneous range enclosure in South Darfur, Sudan. *ODI Pastoral Development Network Paper 20f*, Overseas Development Institute.

Measuring the benefits of subsistence versus commercial livestock production in Africa', *Agricultural Systems*, 16(2): 109-135.

## 1984

Fenced and open-range ranching: the commercialization of pastoral land and livestock in Africa. In *Livestock Development in Sub-Saharan Africa: Constraints, Prospects, Policy*, edited by J.R. Simpson and P. Evangelou. Boulder, Colorado: Westview Press.

## 1983

Production rationales: the commercialization of subsistence pastoralism. *Nomadic Peoples*, 14: 3-33.

**R. Behnke** and C. Kerven. FSR and the attempt to understand the goals and motivations of farmers. *Culture and Agriculture* 19:9-16.

## SELECTION OF UNPUBLISHED REPORTS, CONFERENCE PAPERS, LECTURES

## 2012

*The Ecology and Political Economy of Pastoral Resource Tenure*. Lecture given to the ICCS Group, Division of Ecology and Evolution, Imperial College, Silwood Park. February 23 2012.

**R. Behnke** and M. Nakiryia. *The Contribution of Livestock to the Ugandan Economy*. Intergovernmental Authority for Development, Livestock Policy Initiative (IGAD LPI) Working Paper No. 02 -12. IGAD, Addis Ababa and Odessa Centre, U.K.

**R. Behnke** and H. M. Osman. *The Contribution of Livestock to the Sudan Economy*. Intergovernmental Authority for Development, Livestock Policy Initiative (IGAD LPI) Working Paper No. 01 -12. IGAD, Addis Ababa and Odessa Centre, U.K.

## 2011

**R. Behnke** and D. Muthami. *The Contribution of Livestock to the Kenyan Economy*. Intergovernmental Authority for Development, Livestock Policy Initiative (IGAD LPI) Working Paper No. 03 – 11. IGAD, Addis Ababa and Odessa Centre, U.K.

**R. Behnke** and F. Metaferia. *The Contribution of Livestock to the Ethiopian Economy – Part II*. Intergovernmental Authority for Development, Livestock Policy Initiative (IGAD LPI) Working Paper No. 02 – 11. IGAD, Addis Ababa and Odessa Centre, U.K.

*Property Rights and Access to Rangeland Resources*. Lecture given to the conference 'From Nomadic Empires to Neoliberal Conquests' organized by the University of Leipzig. Hamburg, Germany, November 18, 2011.

## 2010

*The Contribution of Livestock to GDP in the IGAD Member States: Study Findings, Application of the Methodology in Ethiopia and Recommendations for Further Work.* Intergovernmental Authority for Development, Livestock Policy Initiative (IGAD LPI) Working Paper No. 02 -10. IGAD, Addis Ababa and Odessa Centre, U.K.

P.D. Little, **R. Behnke**, J. McPeak and G. Gebru. Retrospective Assessment of Pastoral Policies in Ethiopia, 1991-2008. Report Number 1 *Pastoral Economic Growth and Development Policy Assessment*, Ethiopia. Department for International Development and the Ethiopian Development Research Institute, Addis Ababa.

P.D. Little, **R. Behnke**, J. McPeak and G. Gebru. Future Scenarios for Pastoral Development in Ethiopia, 2010-2025. Report Number 2 *Pastoral Economic Growth and Development Policy Assessment*, Ethiopia. Department for International Development and the Ethiopian Development Research Institute, Addis Ababa.

P.D. Little, **R. Behnke**, J. McPeak and G. Gebru. Policy Options for Pastoral Development in Ethiopia. Report Number 3 *Pastoral Economic Growth and Development Policy Assessment*, Ethiopia. Department for International Development and the Ethiopian Development Research Institute, Addis Ababa.

## 2009

*Replacing Pastoralism with Cotton: Counting the Costs.* Report for the International Institute for Environment and Development (IIED) on the Awash Valley, Ethiopia.

## 2006

*The Economic Contribution of Pastoralism: Case Studies from the Horn of Africa and Southern Africa.* Final Report for the International Union for the Conservation of Nature (IUCN) and World Initiative for Sustainable Pastoralism (WISP) study on Livestock Economics and Marketing.

## 2005

Range Ecology at Disequilibrium: Questions about Managing Iran's Rangelands. Lecture sponsored by the Centre for Sustainable Development (CENESTA) and delivered at the Research Institute for Forests and Rangelands, 31 August, Tehran, Iran.

Non-equilibrium theories of rangeland dynamics: the evidence after fifteen years. Lecture to MSc students, School of Geography and Environment, University of Oxford, 22 February.

Free distributions and property rights: Resource use in mobile pastoral systems. Lecture to the School of Geography and Environment, University of Oxford, 8 March.

*Evaluation of the Home Office Country of Origin Information Bulletin on Mongolia*. Report to the Advisory Panel on Country Information, Immigration and Nationality Directorate, Home Office, London.

#### **2004**

**R. Behnke**, A. Jabbar, A. Budanov and G. Davidson. The bio-physical determinants of pastoral mobility: seasonality, opportunism and crowding in Turkmenistan. Paper prepared for workshop on Conditions of Pastoral Mobility, Max Plank Institute for Social Anthropology, 17-19 June, Halle, Germany.

An Agenda for Joint Research with the Global Livestock Collaborative Research Support Program (GL-CRSP) on Central Asian Livestock and Rangelands. Lecture presented on behalf of the Macaulay Institute to researchers, donors and national policy makers. 8 October, Almaty, Kazakhstan.

#### **2003**

**R. Behnke**, I Alimaev and C. Kerven. The institutional dimensions of sustainability: the evolution of grazing systems in Kazakhstan. Paper prepared for MEDRAP conference on *European Desertification Research*, Montpellier, France, February 2003, conference proceedings edited by G. Enne.

Property rights and pastoralism in contemporary Kazakhstan: the role of community-level institutions in sustaining flock mobility. Paper prepared for the International Union of Anthropological and Ethnological Sciences, Commission on Nomadic Peoples, 7-8 July, Florence, Italy.

Property Rights and rangeland use in Kazakhstan and Turkmenistan. Paper prepared for the workshop on *Anthropological Perspectives on Central Asia*, Max Plank Institute for Social Anthropology, 19-21 December, Halle, Germany.

#### **1999**

Livestock Populations, Land Use and Tenure: Jambul Raion, Almaty Oblast, Kazakstan. Report prepared for the research project *Impacts of privatisation on range and livestock management in semi-arid Central Asia*. Overseas Development Institute, London.

#### **1998**

*Kavango Grazing Systems Study: Final Report*, NOLIDEP, Windhoek, Namibia.  
*Range and Livestock Management in the Etanga Development Area, Kunene Region: Final Report*, NOLIDEP, Windhoek, Namibia.

*Grazing Systems in the Northern Communal Areas of Namibia: A Summary of NOLIDEP Socio-economic Research on Range Management*, NOLIDEP, Windhoek, Namibia.

*A Revised NOLIDEP Strategy for Sustainable Range Management in the Northern Communal Areas [of Namibia]*, NOLIDEP, Windhoek, Namibia (co-author J Sweet).



*Guidelines for Collecting Information on Grazing Systems and the Management of Natural Resources in the Northern Communal Areas*, NOLIDEP, Windhoek, Namibia.

### **1997**

*The Privatisation of Rangeland Resources in Namibia: Enclosure in Eastern Oshikoto*. (co-authors J. Cox, C. Kerven and W. Werner). Overseas Development Institute, London.

Communal Areas Range Management, paper presented for the Programme for Land and Agrarian Studies, University of the Western Cape, Cape Town, RSA.

Carrying Capacity and Rangeland Degradation in Semi-arid Africa: Clearing away Conceptual Rubble. Keynote paper presented at the *International Rangelands Desertification Conference* held in Reykjavik, Iceland in Sept. 1997.

### **1996**

The Impacts of Decollectivisation on Rangelands and Livestock Marketing in Central Asia. (co-author Carol Kerven). Proceedings of the *Small Ruminant Collaborative Research Programme Workshop on Livestock Assessment*, pages 89-105. Tashkent, Uzbekistan.

Observations on NOLIDEP's Appraisal Report and Project Design, NOLIDEP, Windhoek, Namibia.

### **1995**

*Assistance in Implementation of the Agricultural (Commercial) Land Reform Act: Final Report of the International Land Tenure Consultant*. Food and Agriculture Organisation of the United Nations. Windhoek, Namibia.

Grazing Systems not at Equilibrium, keynote paper presented to a symposium on *Emerging Concepts in Analysing Land-use Conditions in Semi-arid Regions*, Wageningen Agricultural University, Research Programme on Sustainable Land Use in the Tropics, Wageningen, Netherlands.

The Carrying Capacity Concept, a lecture to students and faculty at the University of Wales, Bangor.

The Future of African Pastoralism, keynote address to the VETAID annual general meeting, Edinburgh, Scotland.

*The Administration of Collective Institutions for Pastoral Resource Management*. Rural Resources Management Group Working Paper, ODI, London.

*The Control of Communal Resources in Semi-arid Namibia: Current Trends and Policy Issues*. (co-author J Cox). Rural Resources Management Group Working Paper, ODI, London.

### **1994**

Transaction Costs and the Organisation of Indigenous African Tenure Systems, lecture to faculty and students in the Department of Economics, University of Reading, England.

*Land Tenure and Range Management Institutions in the Context of*

*Commercialisation*. Rural Resources Management Group Working Paper No. 9. ODI, London.

### **1993**

The Economics of Pastoralism: Recent Research on Productivity and Range Ecology, (co-author C. Lane). Paper for a conference on *Pastoralism in Ethiopia*. Ministry of Agriculture, Addis Ababa.

Natural resource Management in Pastoral Africa, keynote paper presented to a *Donor/Agency Consultation Meeting on Pastoral Natural Resource Management and Pastoral Policies* organised by the United Nations Environment Programme workshop on Social Aspects of Dryland Management, Paris.

*Evaluation of the Proposed Mongolian Livestock Feed Improvement Project*, report submitted to the Policy Alternatives for Livestock Development Project (PALD), Institute of Development Studies, Sussex, U.K.

Pastoral Response to Drought, paper presented to the Drought Mitigation Working Group, Institute of Hydrology, Wallingford, U.K.

### **1992**

*New Directions in African Range Management Policy*. Results of the workshop held at Matopos, Zimbabwe, 13-17 January 1992. Commonwealth Secretariat, London.

Range Ecology and Pastoral Development Policy, keynote paper presented at a conference organised by the Iranian Ministry of Agriculture on *Nomads and Development*, Shahrekord, Iran.

### **1991**

Commercial Change in Pastoral Africa, lecture to the World Bank, Washington D.C. and to the Department of Range Ecology, Utah State University, Logan, Utah.

The Carrying Capacity Concept, talk given to a seminar at the School of Development Studies, University of East Anglia, U.K.

Some Issues in Pastoral Development Planning, a lecture for Livestock Economics Course to ODA staff.

Economic Models of Pastoral Land Tenure, keynote paper presented at a conference on *Rangeland Challenges in Southern Africa in the 1990s*, Pretoria, RSA.

The Environmental Causes and Economic Consequences of Migratory Stock Keeping in Darfur, Sudan, a lecture to students and faculty of the Department of Anthropology, University of London.

### **1990**

The Effects of Commercialisation on Pastoral Production Systems, a lecture for African government officials organised by the International Livestock Centre for Africa (ILCA), Addis Ababa.

*Livestock Marketing in Turkana District*, report to NORAD. Mokoro Ltd, UK.

**1989**

*The Efficiency of Input Supply: Impacts on Commercial Maize Production in Northern Province*, Office of the Prime Minister and Ministry of Agriculture and Cooperatives, Kasama, Zambia. Co-author C Kerven.

**1987**

*The Development Implications of Range Enclosure in Ceel Dheer District*, Livestock Marketing and Health Project, Mogadishu, Somalia.

**1985**

*The Dynamics of Open-Range Management and Property Rights in Pastoral Africa*. Report prepared for the Overseas Development Institute, U.K., as a preliminary case study and proposal for a research project on the management of common resources.

*Rangeland Development and the Improvement of Livestock Production: Policy Issues and Recommendations for the Western Savannah Project, South Darfur, Sudan*, prepared for the Overseas Development Administration, UK.

**1984**

*Herd Management Strategies among Agro-Pastoralists in the Bay Region, Somalia*, Department of Sociology, University of Wyoming, published as part of the University of Wyoming Bay Region Socio-Economic Baseline Study, Somalia. Co-author C. Kerven.

**1982**

*The Relationship between Land Tenure and Agricultural Production*, paper read at Conference on Land Policy and Agricultural Production, National Institute of Research, Botswana, and United Nations University, Tokyo. Co-author: C Lightfoot.

*Closing the Gap: A Re-evaluation of the Animal Production Research Unit Studies on Cattle Post and Ranch Productivity*. In *Symposium on Botswana's First Livestock Development Project*, National Institute of Research, Botswana.

*Cattle Accumulation and the Commercialization of the Traditional Livestock Industry in Botswana: A Re-analysis of One Aspect of the Final Consultancy Report of the Livestock Evaluation Unit*. Rural Sociology Unit, Ministry of Agriculture, Botswana.

**1981**

*The Relationship between Crop and Livestock Production in Botswana: A Selective Review of the Literature*. Rural Sociology Unit, Ministry of Agriculture, Botswana.

*A Comparison of the Productivity of Traditional and Commercial Systems of Cattle Management in Botswana*, paper for the Swedish International Development Agency, Botswana.

**1980**

Indigenous Modernization in Pastoral Cyrenaica, paper read at the African Studies Association meetings, Philadelphia.

**1979**

*Rural Depopulation and Rural Development in Eastern Libya, 1972 to 1979*, a report to the Government of Libya.

**1978**

Nomadic Settlement and the Development of Commercial Ranching in Eastern Libya, paper for a UNESCO expert meeting on Comparative Research on Urban-Rural Interaction, New Delhi.

**1974**

Voluntary Sedentarization and Residual Nomadism, paper read at the conference on Settling Nomads, Los Angeles.

Spatial Symbolism in a Bedouin Wedding Ceremony, paper read at the American Anthropological Association meetings, Mexico City.

**EDITED DEVELOPMENT REPORTS****2007**

*Piloting the Productive Safety Net Programme in pastoral areas of Ethiopia: revised programme proposal and Pilot activities: extending the Productive Safety Net Programme into pastoral areas* by Roy Behnke, Stephen Devereux, Amdisa Teshome, Mike Wekesa and Richard White. Food Security Coordination Bureau, Ministry of Agriculture and rural Development, Addis Ababa.

**1991-93**

A series of seven reports on communal African rangelands edited for the Food Production and Rural Development Division of the Commonwealth Secretariat.

**1988**

*An Evaluation of Three NORAD-Funded Agricultural Research and Extension Projects in Northern Province, Zambia*. Provincial Planning Unit, Kasama.

**1983**

*Barolong Agriculture Reconsidered*, Applied Research Unit, Government of Botswana, and Land Tenure Center, University of Wisconsin, Madison.

**1982**

*Proceedings and Recommendations: Workshop on Priorities for Communal Area Livestock and Range Research*. Ministry of Agriculture and the International Livestock Centre for Africa, Botswana.

*Local Institutions and Development in Botswana*, Rural Sociology Report Series No 18, Ministry of Agriculture, Botswana. Co-editors: R Hitchcock, M

Odell, C Kerven

**DISSERTATION RESEARCH**

**1972-74**

Ethnographic fieldwork among the Bedouin of Cyrenaica, Libya. The research examined the influence of economic and ecological variables on the functioning of a local-level political system. The study also analysed the role of Libya's oil boom in integrating rural areas into the national economy