

CURRICULUM VITAE*

David Layne Coppock

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Summary: Dr. D. Layne Coppock was formally educated as an ecologist with an emphasis on rangeland ecosystems and large herbivores (i.e., bison, cattle, camels, small ruminants) in the western United States and northwestern Kenya. His subsequent professional experiences in Ethiopia, Bolivia, Utah, Kenya, and Tanzania gradually helped transform him into an interdisciplinary scholar with a focus on human problem-solving in pastoral, ranching, and small-farm settings. Dr. Coppock's work currently includes themes such as rangeland poverty reduction, empowerment of rural women, risk management for pastoralists and ranchers, drought preparedness, and community responsiveness to climate change and invasive weeds. His research incorporates social and biophysical science methods as well as action-oriented, community engagement. He has authored or coauthored 65 peer-reviewed publications and book chapters (in print or in press), 117 proceedings papers, research reports, research briefs, and popular articles, 155 conference presentations and posters, two project synthesis volumes (one as the sole author and another as the lead co-editor with extensive writing duties), and has supervised the field research of 19 graduate students while at two institutions, with 12 of the students formally supervised at USU. Dr. Coppock has served as the lead PI for two large research projects while at USU, one with the SR/GL-CRSP in the Bolivian highlands and another with the GL-CRSP in the Greater Horn of Africa. He has procured over US \$8.5 million dollars in extramural and intramural funding in support of research, outreach, and training while at USU, with 81% as the lead PI. For teaching, Dr. Coppock has taught 15 different courses at USU from 1992-2012. Current topics include global perspectives on humans and the environment for undergraduates as well as a graduate seminar. Topics taught in the last five years have included graduate courses concerning theory, methods, and applications for human dimensions research. Topics taught over a decade ago include quantitative assessment for natural resource management, range vegetation analysis, and the nutritional ecology of range herbivores. Since 2011, Dr. Coppock has been a faculty advisor for the undergraduate Environmental Studies major, one of the largest in the CNR. Distinct service contributions (35 overall) have included a variety of on- and off-campus assignments, with the large majority occurring since 2001. Dr. Coppock recently served as the interim associate dean for the CNR for 2010-11. He has served on 25 committees dealing with faculty searches, faculty promotion and tenure, graduate affairs, and the Institutional Review Board (IRB). In terms of off-campus service, Dr. Coppock is on the editorial board of the peer-reviewed journal *Nomadic Peoples*. He has been actively involved in the International Affairs Committee (IAC) of the Society for Range Management, and will serve as the chair during 2014. Dr. Coppock has been fortunate to receive professional recognition for his efforts. For the CNR he has been named Faculty Advisor of the Year (2004) and Researcher of the Year (2012). He gave the plenary keynote address at the IX International Rangeland Congress in Argentina (2011) and was a co-recipient of a team gold medal for meritorious service to Ethiopia in 2007.

*Last updated on December 18, 2013

Education:

- 1985 Ph.D., Animal Science, Colorado State University
- 1981 M.S., Wildlife Biology, Colorado State University
- 1977 B.S., Zoology, Colorado State University

Professional Experience:

- 2013- Professor, Utah State University
- 1996-2012 Associate Professor, Utah State University
- 2011-2012 Faculty Advisor, Environmental Studies Degree, Utah State University
- 2010-2011 Interim Associate Dean, Utah State University
- 2000 Visiting Fellow, Institute of Development Studies at the University of Sussex, United Kingdom
- 1991-1996 Assistant Professor, Utah State University, Logan
- 1985-1991 Research Scientist and Team Leader, International Livestock Center for Africa, Addis Ababa, Ethiopia
- 1978-1985 Graduate Research Assistant, Natural Resource Ecology Laboratory, Colorado State University, Fort Collins

Selected Awards and Recognition (Post-PhD):

- 2012 Invited speaker, *Utah State University Sunrise Session*, Salt Lake City
- 2012 *Researcher of the Year*, College of Natural Resources, Utah State University
- 2011 Finalist, *International Professor of the Year*, Utah State University
- 2011 *Plenary Keynote Speaker*, IX International Rangelands Congress, Rosario, Argentina
- 2011 Invited Participant, *Enhancing Resilience in the Horn of Africa: Strategies for Success*, USAID/IFPRI Workshop, held in December at Washington D.C.
- 2011 Invited Participant, *Feed the Future*, USAID/USDA/BIFAD/APLU Workshop, held in January at Purdue University, West Lafayette, Indiana
- 2009 Co-recipient, communication award for paper on milk marketing in the Kenyan rangelands: *19th Annual Symposium of the International Food and Agribusiness Management Association*, Budapest, Hungary
- 2007 Co-recipient, gold medal for meritorious service to Ethiopia, *Ethiopian Society for Animal Production*, Addis Ababa
- 2004 *Faculty Advisor of the Year*, College of Natural resources, Utah State University
- 2003 Invited speaker, *Colloquim in the Life Sciences*, Colorado State University
- 1994 Finalist, *King Baudouin Award (Belgium)* for outstanding achievement in international agricultural research (CGIAR)

Current Membership in Professional Societies:

1990-2013 Society for Range Management
1991-2013 Ecological Society of America
2012-2013 International Association for Society and Natural Resources

RESEARCH

FUNDING

Externally Funded Grants and Contracts at USU (1991-2013):

Total funds procured as PI:	\$5,709,085.00 (78%)
Total funds procured as co-PI:	\$1,632,146.00 (22%)
Total funds procured overall:	\$7,341,231.00 (100%)

- 2012-2015 **D.L. Coppock (co-PI)** with Rob Gillies (USU PI) et al.: *Climate and Risk Assessment to Engender Resiliency and Capacity Building in Livestock Systems and Nutrition in Far Western Nepal*. Funding source: USAID Global Bureau, Livestock and Climate Change Collaborative Research Support Program. Funding for the participatory research component I direct is **\$33,600**. Total funds = **\$449,986**
- 2011-2014 **D.L. Coppock (co-PI)** with Juan Villalba (USU PI) et al.: *Using New Knowledge on Grazing Behavior to Control Medusahead in the Western United States*. Funding source: USDA National Initiative for Food and Agriculture (NIFA). Funding for the participatory research component which I direct = **\$54,000**. Total funds = **\$416,000**.
- 2005-2006 **D.L. Coppock (co-PI)** with Scott Miller (U. Wyo. PI) et al.: *Constraints to the adoption of improved land-management practices among small-holder farmers in the River Njoro watershed, Kenya*. Funding Source: The Sustainable Management of Watersheds (SUMAWA) Project, Global Livestock Collaborative Research Support Program (GL-CRSP), University of California, Davis. Global Bureau, United States Agency for International Development (USAID). Funding for the social research subgrant I directed = **\$28,000**. Total funds = **\$28,000**.
- 2006 **D.L. Coppock (co-PI)** with Terry Sharik (USU PI): *Gombe School of Environment & Society (GOSESO) in Tanzania, Phase II*. Funding Source: New England BioLabs. Total funds = **\$8,000**.
- 2006 **D.L. Coppock (co-PI)** with Terry Sharik (USU PI): *Gombe School of Environment & Society (GOSESO) in Tanzania, Phase II*. Funding Source: International Community Foundation (ICF). Total funds = **\$49,666**.

- 2004-2006 **D.L. Coppock (co-PI)** with Patricia Moehlman (Wildlife Trust PI): *Doctoral Training for Ms. Almaz Kebebe of Ethiopia*. Funding Source: African Wildlife Foundation. Total funds = **\$24,994**.
- 2003-2007 **D.L. Coppock (co-PI)** with Patricia Moehlman (Wildlife Trust PI): *Doctoral Training for Ms. Almaz Kebebe of Ethiopia*. Funding source: Wildlife Trust. Total funds to USU = **\$56,000**
- 2003-2007 **D.L. Coppock (co-PI)** with Patricia Moehlman (Wildlife Trust PI): *Doctoral Training for Mr. Simon Bisrat of Eritrea*. Funding source: Wildlife Trust. Total funds to USU = **\$63,000**.
- 2000-2007 **D.L. Coppock (PI)**: *Improving Pastoral Risk Management on East African Rangelands—Outreach and Action Research*. Funding source: USAID Mission to Ethiopia, Addis Ababa. Total funds to USU = **\$1,275,000**.
- 1999-2001 **D.L. Coppock (PI)**: *Improving Pastoral Risk Management on East African Rangelands—Training for Egerton University, Kenya*. Funding source: USAID Mission to Kenya, Nairobi. Total funds = **\$60,000**.
- 1998-2009 **D.L. Coppock (Lead PI)**: *Improving Pastoral Risk Management on East African Rangelands*. Funding source: USAID Global Bureau; Global Livestock Collaborative Research Support Program. Total funds over five competitive grant renewals (1997-00; 2001-3; 2003-6; 2006-9) = **\$4,025,000**.
- 1996-1997 **D.L. Coppock (PI)**: *Improving Pastoral Risk Management on East African Rangelands-Assessment Team Formation*. Funding source: USAID Global Bureau; Small Ruminant Collaborative Research Support Program. Total funds = **\$154,000**
- 1996-1997 **D.L. Coppock (PI)**: *Training Grant for Ms. Lita Buttolph*. Funding source: USAID Global Bureau; Small Ruminant Collaborative Research Support Program. Total funds = **\$13,300**
- 1996-1998 **D.L. Coppock (co-PI)** with Kenneth Olson (USU PI): *Constraints to Adoption of Improved Management Systems for Utah Beef Cattle—Reducing Methane Emissions from Beef Herds in Range-Based Management Systems*. Funding source: U.S. Environmental Protection Agency. Total funds = **\$36,500**.
- 1995-1997 **D.L. Coppock (PI)**: *Banking Livestock Capital for Pastoral Risk Management in Ethiopia—Training for Mr. Solomon Desta of Ethiopia*. Funding source: The Rockefeller Foundation. Total funds = **\$18,185**

- 1995-1997 **D.L. Coppock (PI):** *Banking Livestock Capital for Pastoral Risk in Ethiopia—Vehicle Procurement.* Funding source: USAID Global Bureau; Small Ruminant Collaborative Research Support Program. Total funds = **\$22,000**
- 1995-1997 **D.L. Coppock (PI):** *Public Grazing Permittees Under Pressure: Sustainability of Coping Strategies on Private Lands.* Funding source: USDA Sustainable Agriculture Research and Extension Program. Funding total = **\$63,000.**
- 1995-1996 **D.L. Coppock (PI):** *Synthesis Phase—Sustainable Crop-Livestock Systems for the Bolivian Highlands.* Funding source: USAID Global Bureau; Small Ruminant Collaborative Research Support Program. Funding total = **\$71,400**
- 1992-1993 **D.L. Coppock (PI):** *Spanish Language Training Grant for Ms. Lita Buttolph.* Funding source: Funding total = **\$7,200.**
- 1991-1996 **D.L. Coppock (co-PI)** with Brien Norton (USU PI): *Range Management Component—Sustainable Crop-Livestock Systems for the Bolivian Highlands.* Funding source: USAID Global Bureau; Small Ruminant Collaborative Research Support Program (SR-CRSP). Funding total = **\$500,000**

Unimplemented Externally Funded Grants and Contracts at USU:

- 2005-2006 **D.L. Coppock (co-PI)** with Patricia Moehlman (Wildlife Trust PI): *Doctoral Training for Mr. Simon Bisrat of Eritrea—Conservation Planning for the African Wild Ass.* Funding source: The St. Louis Zoological Gardens. Total funds = **\$10,000**

Internally Funded Projects at USU:

Total funds procured as PI:	\$1,177,190.00 (98%)
Total funds procured as co-PI:	\$ 20,000.00 (2%)
Total funds procured overall:	\$ 1,197,190.00 (100%)

- 2010-2012 **D.L. Coppock (co-PI)** with Zhao Ma (USU PI): *Understanding Utah Farmer's Perceptions of Carbon Sequestration Programs and the Likelihood of Participation.* Funding source: Utah Agricultural Experiment Station (UAES). Funding total = **\$20,000**
- 2010-2015 **D.L. Coppock (PI):** *Risk Management and Utah Ranching.* Funding Source: Utah Agricultural Experiment Station (UAES). Funding total = **\$310,690**

- 2004-2010 **D.L. Coppock (PI):** Long-Term Implications of Drought for Ranching and Rangeland Management in Utah. Funding Source: Utah Agricultural Experiment Station. Funding total = **\$246,000.**
- 1995-1997 **D.L. Coppock (PI):** Utah Public Grazing Permittees Under Pressure: Sustainability of Coping Strategies on Private Lands. Funding source: Utah State Mineral Lease. Funding total = **\$25,000**
- 1994-1996 **D.L. Coppock (PI):** Utah Private Grazing Lands Research and Development. Funding source: Utah State Mineral Lease. Funding total = **\$79,700**
- 1992-2004 **D.L. Coppock (PI):** Constraints to Uptake of Technology and Management Innovations Within Utah Pastoral Production Systems. Funding Source: Utah Agricultural Experiment Station. Funding total = **\$495,000.**
- 1993-1994 **D.L. Coppock (PI):** Banking Livestock Capital for Pastoral Risk Management in Ethiopia. Funding Source: Faculty Research Grant Program, Utah State University. Funding total = **\$15,000**
- 1992-1993 **D.L. Coppock (PI):** Provision of a Simulation Modeling Dimension for Graduate Instruction in Animal Nutrition, Production, and Ecology in the College of Natural Resources. Funding source: Academic Strengthening Grant, Utah State University. Funding total = **\$5,800.**

PROFESSIONAL RESEARCH PRODUCTS

Thesis and Dissertation

Coppock, D. L. 1981. Impacts of black-tailed prairie dogs on vegetation in Wind Cave National Park. *M.S. Thesis.* Department of Fisheries and Wildlife Biology. Colorado State University, Fort Collins. 86 pp.

Coppock, D. L. 1985. Feeding ecology, nutrition, and energetics of livestock in a nomadic pastoral ecosystem. *Ph.D. Dissertation.* Department of Animal Science. Colorado State University, Fort Collins. 274 pp.

Summary of Other Written Products

Publication Type	Number:			
	Total	With Student Co-authors	With Post-Doc Co-Authors	With Other Mentee Co-Authors
Refereed Journal Papers	48	8	2	10
Books, Book Chapters, and Monographs	16	0	3	7
Proceedings Papers	45	5	13	18
Research Briefs	25	0	13	22
Other (popular articles, technical reports, etc.)	47	2	10	9
Totals	181	15	41	66

Peer Reviewed Journal Articles (43 items total in print and in press; 8 with graduate student co-authors; 7 with mentee co-authors; 2 with post-doctoral co-authors) Coppock graduate student co-author¹, Coppock post-doctoral co-author², Coppock mentee co-author³.

Impact factors are from journal web sites and citation numbers are from Google Scholar. These statistics are provided only for peer-reviewed journal articles, books, and book chapters for illustrative purposes. Commentary is also provided that illuminates contributions of Coppock to each output and why each output matters.

Occasionally there are temporal gaps in some types of written outputs, but when all forms of research outputs are considered these gaps become filled-in. Research Table 4 provides annual outputs of research products for the period 1997-2012.

Under Review:

Kebede, A.¹, **D.L. Coppock**, and P. Moehlman. Interactions between pastoralism and wildlife on the Allideghi plain of northeastern Ethiopia. *African Journal of Ecology*.

Kebede, A.¹, and **D.L. Coppock**. Livestock-mediated dispersal of *Prosopis juliflora* (Sw.) DC. threatens the ecological integrity of the Allideghi Wildlife Reserve, northeastern Ethiopia. *African Journal of Ecology*.

Published:

Stewart-Phelps, L., P. Johnson, J. Harvey, and **D.L. Coppock**. 2013. Foreward: Women as Change agents in the world's rangelands. *Rangelands* 35(6):3-7.

Radel, C., and **D.L. Coppock**. 2013. The world's gender gap in agriculture and natural resources: Evidence and explanations. *Rangelands*. 35(6): 7-14.

Coppock, D.L., S. Tezera³, S. Desta², M. Mutinda³, S. Muthoka, G. Gebru², A. Aboud³, and A. Yonas³. 2013. Cross-border interaction spurs innovation and hope among pastoral and agro-pastoral women of Ethiopia and Kenya. *Rangelands* 35(6): 22-28.

Coppock, D.L., M. Fernández-Giménez, and J. Harvey. 2013. Women as change agents in the world's rangelands: Synthesis and way forward. *Rangelands*. 35(6): 82-90.

Coppock, D.L., L. Van Riper, and S. Leigo (guest editors). 2013. Women as Change Agents in the World's *Rangelands*. Special Issue 35(6). 99 pp.

Adongo, A³, **D.L. Coppock**, and F. Wayua³. 2013. Simple evaporative cooling method reduces bacterial content of traditionally marketed camel milk in Isiolo County, Kenya. *African Journal of Food, Agriculture, Nutrition and Development* 13(1):7213-7224.

Coppock, D.L., and S. Desta². 2013. Collective action, innovation, and wealth generation among settled pastoral women in northern Kenya. *Rangeland Ecology and Management* 66:95-95-105.

Ma, Z., and **D.L. Coppock**. 2012. Perceptions of Utah ranchers towards carbon sequestration: Implications for policies and programs. *Journal of Environmental Management*

Coppock, D.L., S. Desta², S. Tezera³, and G. Gebru². 2011. Capacity building helps pastoral women transform impoverished communities in Ethiopia. *Science* 334(6061): 1394-1398.

Coppock, D.L. 2011. Ranching and multi-year droughts in Utah: Production impacts, risk perceptions, and changes in preparedness. *Rangeland Ecology and Management* 64(6): 607-618.

Wayua, F.³, M. Shibia³, M. Mamo³, D. Bailey, and **D.L. Coppock**. 2009. Willingness to pay for improved milk sensory characteristics and assurances in northern Kenya using experimental auctions. *International Food and Agribusiness Management Review* 12(3): 69-88.

Coppock, D.L., D. Snyder, L. Sainsbury¹, M. Amin, and T. McNiven. 2009. Intensifying beef production on Utah private land: Productivity, profitability, and risk. *Rangeland Ecology and Management* 62: 253-267.

Lybbert, T., C. Barrett, S. Desta¹, and **D.L. Coppock**. 2004. Stochastic wealth dynamics and risk management among a poor population. *The Economic Journal* 114: 750-777.

Buttolph, L¹, and **D.L. Coppock**. 2004. Influence of deferred grazing on vegetation dynamics and livestock productivity in an Andean pastoral system. *Journal of Applied Ecology*. 41: 664-674.

- Desta, S.¹, and **D.L. Coppock**. 2004. Pastoralism under pressure: Tracking system change in southern Ethiopia. *Human Ecology* 32(4): 465-486.
- Barrett, C., F. Chabari, D. Bailey, P. Little, and **D.L. Coppock**. 2003. Livestock pricing in the northern Kenyan rangelands. *Journal of African Economies* 12(2): 127-55.
- Desta, S.¹, and **D.L. Coppock**. 2002. Cattle population dynamics in the southern Ethiopian rangelands, 1980-97. *Journal of Range Management* 55: 439-451.
- Little, P., H. Mahmoud, and **D.L. Coppock**. 2001. When deserts flood: Risk management and climatic processes among East African pastoralists. *Climate Research* 19: 149-159.
- Buttolph, L.P.¹, and **D.L. Coppock**. 2001. Project alpaca: Intensified alpaca production leads to privatization of key grazing resources in Bolivia. *Rangelands* 23(2): 10-13.
- Little, P., K. Smith, B. Cellarius, **D.L. Coppock**, and C.B. Barrett. 2001. Avoiding disaster: Diversification and risk management among East African herders. *Development and Change* 32: 401-433.
- Peterson, R.S.¹, and **D.L. Coppock**. 2001. Economics and demographics constrain investment in Utah private grazing lands. *Journal of Range Management* 54(2): 106-114.
- Coppock, D. L.**, and S. Sovani. 1999. Is supplementation justified to compensate pastoral calves for milk restriction? *Journal of Range Management* 52: 208-217.
- Coppock, D.L.**, and A.H. Birkenfeld¹. 1999. Use of livestock and range management practices in Utah. *Journal of Range Management* 52: 7-18.
- Workman, J.P., P.H.W. Phiri, and **D.L. Coppock**. 1998. Cattle marketing in Malawi. *Rangelands* 20(1): 14-16.
- Alemseged, Y.³, G. King, **D.L. Coppock**, and J. Tothill. 1996. A preliminary investigation of the potential for maize-legume intercropping in the semi-arid area of Sidamo region, Ethiopia. I. Maize Response. *South African Journal of Plant and Soil* 13 (4): 120-124.
- Alemseged, Y.³, G. King, **D.L. Coppock**, and J.C. Tothill. 1996. A preliminary investigation of the potential for maize-legume intercropping in the semi-arid area of Sidamo region, Ethiopia. II. Legume response. *South African Journal of Plants and Soil* 13(4): 125-130.
- Woodward, A., and **D.L. Coppock**. 1995. Role of plant defense in the utilization of native browse in southern Ethiopia. *Agroforestry Systems* 32: 1-15.

Menwyelet Atsedu³, **D. L. Coppock**, and J. K. Detling. 1994. Fruit production of *Acacia tortilis* and *A. nilotica* in semi-arid Ethiopia. *Agroforestry Systems* 27: 23-30.

Coppock, D. L. 1993. Grass hay and *Acacia* fruits: A local feeding system for improved calf performance in semi-arid Ethiopia. *Tropical Animal Health and Production* 25: 41-49.

Holland, E. A., W. J. Parton, J. K. Detling, and **D. L. Coppock**. 1992. Physiological responses of plant populations to herbivory and their consequences for ecosystem nutrient flow. *The American Naturalist* 140(4): 685-706.

Coppock, D. L., and J. D. Reed. 1992. Cultivated and native browse legumes as calf supplements in Ethiopia. *Journal of Range Management* 45(3): 231-238.

Coppock, D. L. 1992. Culture, environment, technology: Development interventions in pastoral Ethiopia. *National Geographic Research & Exploration* 8(3): 296-307.

Holden, S. J.³, and **D. L. Coppock**. 1992. Effects of distance to market, season and family wealth on pastoral dairy marketing in Ethiopia. *Journal of Arid Environments* 23: 321-334.

Coppock, D. L. 1991. Hay making by pastoral women for improved calf management in Ethiopia: Labor requirements, opportunity costs, and feasibility of intervention. *Journal for Farming Systems Research-Extension* 2(3): 51-68.

Holden, S. J.³, **D. L. Coppock**, and Mulugeta Assefa³. 1991. Pastoral dairy marketing and household wealth interactions and their implications for calves and humans in Ethiopia. *Human Ecology* 19(1): 35-59.

Coughenour, M. B., **D. L. Coppock**, and J. E. Ellis. 1990. Herbaceous forage variability in an arid pastoral region of Kenya: Importance of topographic and rainfall gradients. *Journal of Arid Environments* 19: 147-159.

Coughenour, M. B., **D. L. Coppock**, M. Rowland, and J. E. Ellis. 1990. Dwarf shrub ecology in Kenya's arid zone: *Indigofera spinosa* as a key forage resource. *Journal of Arid Environments* 18: 301-321.

Coppock, D. L., J. E. Ellis, and D. M. Swift. 1988. Seasonal patterns of activity, travel and water intake of livestock in South Turkana, Kenya. *Journal of Arid Environments* 14: 319-331.

Coppock, D. L., J. E. Ellis, and S. K. Waweru. 1988. A comparative in vitro digestion trial using inocula of livestock from South Turkana and Kitale, Kenya. *Journal of Agricultural Science (Cambridge)* 110: 61-63.

Coppock, D. L., J. E. Ellis, and D. M. Swift. 1987. Seasonal food habits of livestock in South Turkana, Kenya. *East African Agricultural and Forestry Journal*, 52(3): 196-207

Coppock, D. L., D. M. Swift, J. E. Ellis, and S. K. Waweru. 1987. Seasonal nutritional characteristics of livestock forage in South Turkana, Kenya. *East African Agricultural and Forestry Journal*, 52(3): 162-175.

Coppock, D. L., D. M. Swift, J. E. Ellis, and K. Galvin. 1986. Seasonal patterns of energy allocation to basal metabolism, activity and production for livestock in a nomadic pastoral ecosystem. *Journal of Agricultural Science (Cambridge)*, 107: 357-365.

Coppock, D. L., D. M. Swift, and J. E. Ellis. 1986. Seasonal nutritional characteristics of livestock diets in a nomadic pastoral ecosystem. *Journal of Applied Ecology* 23(2): 585-96.

Coppock, D. L., J. E. Ellis, and D. M. Swift. 1986. Livestock feeding ecology and resource utilization in a nomadic pastoral ecosystem. *Journal of Applied Ecology* 23(2): 573-584.

Coppock, D. L., and J.K. Detling. 1986. Alteration of bison and black-tailed prairie dog grazing interaction by prescribed burning. *Journal of Wildlife Management* 50(3): 452-455.

Coughenour, M. B., J. E. Ellis, D. M. Swift, **D. L. Coppock**, K. Galvin, J. T. McCabe, and T. C. Hart. 1985. Energy extraction and use in a nomadic pastoral ecosystem. *Science* 230 (4726): 619-625.

Coppock, D. L., J. E. Ellis, J. K. Detling, and M. I. Dyer. 1983. Plant-herbivore interactions in a North American mixed grass prairie. II. Responses of bison to modification of vegetation by prairie dogs. *Oecologia* 56: 10-15.

Coppock, D. L., J. K. Detling, J. E. Ellis, and M. I. Dyer. 1983. Plant-herbivore interactions in a North American mixed grass prairie. I. Effects of black tailed prairie dogs on intraseasonal aboveground plant biomass and nutrient dynamics and plant species diversity. *Oecologia* 56: 1-9.

Peer-Reviewed Books, Book Chapters, and Monographs (16 items total; 7 with mentee co-authors; 3 with post-doctoral co-authors)

Coppock, D.L., S. Tezera³, S. Desta², and G. Gebru². 2012. *Achieving Development Impact among Pastoral and Agro-pastoral People: Lessons Learned in Southern Ethiopia, 2000-2009*. Ethiopian Society for Animal Production, Addis Ababa, Ethiopia. 65 pp. http://digitalcommons.usu.edu/envs_facpub/507

Coppock, D.L., S. Desta², S. Tezera³, and G. Gebru². 2009. An innovation system in the rangelands: Using collective action to diversify livelihoods among settled pastoralists in Ethiopia. Pages 104-119 (chapter 7) in *Innovation Africa: Enriching Farmer's Livelihoods*. Waters-Bayer, A., C. Wettasinha, J. Njuki, P. Sanginga, and S. Kaaria (eds.). EarthScan Publications, London.

Desta, S²., G. Gebru², S. Tezera³, and **D.L. Coppock**. 2006. Linking pastoralists and exporters in a livestock marketing chain: Recent experiences from Ethiopia. Pages 109-127 (chapter 7) in *Pastoral Livestock Marketing in Eastern Africa: Research and Policy Challenges*. J. McPeak and P. Little (eds.). ITDG Publishing, United Kingdom.

Coppock, D.L., and C. Valdivia (eds.) 2001. *Sustaining Agropastoralism on the Bolivian Altiplano: The Case of San José Llanga*. Department of Rangeland Resources, Utah State University, Logan, Utah. 284 pp.

Coppock, D.L., and C. Valdivia (eds.). 2001. *Agropastoralismo Sostenible en el Altiplano Boliviano: El Case de San José Llanga. Versión Condensada en Español*. Depto. De Recursos de Pasturas Naturales, Universidad del Estado de Utah, Logan, Utah. 38 pp.

Coppock D.L., and C. Valdivia. 2001. Project objectives and research approach. Chapter 1(pages 1-16) in *Sustaining Agropastoralism on the Bolivian Altiplano: The Case of San José Llanga* (D.L. Coppock, and C. Valdivia, eds.). Department of Rangeland Resources, Utah State University, Logan, Utah. 284 pp.

Jetté, C., H. Alzérreca, and **D.L. Coppock**. 2001. National, regional, and local context. Chapter 2 (pages 17-58) in *Sustaining Agropastoralism on the Bolivian Altiplano: The Case of San José Llanga*. (D.L. Coppock and C. Valdivia, eds.). Department of Rangeland Resources, Utah State University, Logan, Utah. 284 pp.

de Queiroz, J.S³., **D.L. Coppock**, H. Alzérreca³, and B.E. Norton. 2001. Ecology and natural resources of San José Llanga. Chapter 3 (pages 59-112) in *Sustaining Agropastoralism on the Bolivian Altiplano: The Case of San José Llanga* (D.L. Coppock and C. Valdivia, eds.). Department of Rangeland Resources, Utah State University, Logan, Utah. 284 pp.

Coppock, D.L., I.M. Ortega, J. Yazman, J.S. de Queiroz³, and H. Alzérreca³. 2001. The grazing livestock of San José Llanga: Multiple-species resource use and management and productivity of sheep. Chapter 5 (pages 163-210) in *Sustaining Agropastoralism on the Bolivian Altiplano: The Case of San José Llanga* (D.L. Coppock and C. Valdivia, eds.). Department of Rangeland Resources, Utah State University, Logan, Utah. 284 pp.

Coppock, D.L., C. Valdivia, J. Yazman, C. Jetté, J.S. de Queiroz³, L. Markowitz, and I.M. Ortega. 2001. Conclusions and recommendations. Chapter 8 (pages 251-265) in *Sustaining Agropastoralism on the Bolivian Altiplano: The Case of San José Llanga* (D.L. Coppock and C. Valdivia, eds.). Department of Rangeland Resources, Utah State University, Logan, Utah. 284 pp.

Webb, P., and **D.L. Coppock**. 1997. Prospects for pastoralism in semi-arid Africa. Pages 246-260 in *Sustainability, Growth, and Poverty Alleviation: A Policy and Agroecological Perspective* (Eds. S. Vosti and T. Reardon). Johns Hopkins University Press and the International Food Policy Research Institute (IFPRI). 800 pp.

Galvin, K.A., **D.L. Coppock**, and P.W. Leslie. 1994. Diet, nutrition, and the pastoral strategy. Pages 113-132 in *African Pastoralist Systems: An Integrated Approach* (E. Fratkin, K.A. Galvin, and E.A. Roth, eds.). Lynne Rienner Press, Boulder, Colorado. 247 pp.

Coppock, D. L. 1994. *The Borana Plateau of Southern Ethiopia: Synthesis of Pastoral Research, Development and Change 1980-91*. Systems Study No. 5. International Livestock Centre for Africa, Addis Ababa. 374 pp.

Coppock, D.L. 1993. Constraints to the development of extensive livestock systems: Experiences from southern Ethiopia. Pages 87-92 (invited paper) In *Animal Production in Developing Countries. Proceedings of a Symposium Organized by the British Society of Animal Production*, held 2-4 September, 1991, Wye College, United Kingdom (Eds. M. Gill, E.Owen, G.E. Pollott, and T.L.J. Lawrence). Published by the British Society of Animal Production as Occasional Publication No. 16, Edinburgh. 243 pp.

Coppock, D.L. 1993. Vegetation and pastoral dynamics in the southern Ethiopian rangelands. Implications for theory and management. Pages 42-61 (invited paper) In *Range Ecology at Disequilibrium: New Models of Natural Variability and Pastoral Adaptation in African Savannas*. Proceedings of a meeting held 19-21 November, 1990, Woburn, United Kingdom (Eds. R. Behnke, I. Scoones, and C. Kerven). The Commonwealth Secretariat and the Overseas Development Institute.

Ellis, J.E., **D.L. Coppock**, J.T. McCabe, K.A. Galvin, and J. Wienpahl. 1984. Aspects of energy consumption in a pastoral ecosystem: Wood use by the South Turkana. Pages 164-187 In *Energy, Environment, and Development in Africa 6. Wood, Energy, and Households: Perspectives on Rural Kenya*. (Eds. C. Barnes, J. Ensminger, and P. O'Keefe). The Beijer Institute and the Scandinavian Institute of African Studies, Stockholm and Uppsala, Sweden. 213 pp.

Editor-Reviewed USAID GL-CRSP Research Briefs and Monographs (25 items total; 22 with mentee co-authors; 13 with post-doctoral co-authors)

Coppock, D.L. 2010. *Action Research, Knowledge & Impact: Experiences of the Global Livestock CRSP Pastoral Risk Management Project in the Southern Ethiopian Rangelands*. Monograph. Global Livestock Collaborative Research Support Program (GL-CRSP), University of California, Davis. 37 pp.

Aboud A.A.³, M. Mutinda³, S. Muthoka³, and **D.L. Coppock**. 2009. Eleven years of PARIMA activities in north-central Kenya: Impacts on Egerton University and neighboring communities. *Research Brief 09-04-PARIMA*. Global Livestock Collaborative Research Support Program (GL-CRSP), University of California, Davis. 4 pp.

Tezera, S.³, **D.L. Coppock**, and S. Desta². 2009. Costs of implementing collective action and capacity building among pastoralists in southern Ethiopia. *Research Brief 09-03-PARIMA*. Global Livestock Collaborative Research Support Program (GL-CRSP), University of California, Davis. 5 pp.

Adongo, A.³, F. Wayua³, I. Sagella³, H. Walaga³, C. Amboga³, and **D. L. Coppock**. 2009. Simple cooling method improves the quality of marketed camel milk in northern Kenya. *Research Brief 09-02-PARIMA*. Global Livestock Collaborative Research Support Program (GL-CRSP), University of California, Davis. 4 pp.

Gebru, G²., S. Desta², **D.L. Coppock**, S. Tezera³, and Z. Edea³. 2009. Can pastoral linkages to livestock markets be sustained in southern Ethiopia? *Research Brief 09-01-PARIMA*. Global Livestock Collaborative Research Support Program (GL-CRSP), University of California, Davis. 4 pp.

Tezera, S³., S. Desta², and **D.L. Coppock**. 2008. Successful implementation of collective action and human capacity building among pastoralists in southern Ethiopia: Lessons we have learned. *Research Brief 08-03-PARIMA*. Global Livestock Collaborative Research Support Program, University of California, Davis. 3 pp.

Coppock, D.L., G. Gebru², S. Mesele³, S. Tezera³, and S. Desta². 2008. Are drought-related crashes in pastoral cattle herds predictable on the Borana Plateau? *Research Brief 08-02-PARIMA*. Global Livestock Collaborative Research Support Program, University of California, Davis. 3 pp.

Wayua, F.³, M. Shibia³, M. Mamo³, D. Bailey, and **D.L. Coppock**. 2008. What are consumers willing to pay for improved milk quality in Moyale, Kenya? *Research Brief 08-01-PARIMA*. Global Livestock Collaborative Research Support Program, University of California, Davis. 3 pp.

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Coppock, D.L., S. Desta², G. Gebru², G. Kassa, and S. Tezera³. 2007. Diffusion of collective-action innovations among pastoralists in Liben District, Ethiopia. *Research Brief 07-06-PARIMA*. Global Livestock Collaborative Research Support Program. University of California, Davis. 3 pp.

Desta, S.², **D.L. Coppock**, G. Gebru², S. Tezera³, and D. Amosha³. 2007. Building effective community participation and stakeholder partnerships to promote positive change in the southern Ethiopian rangelands. *Research Brief 07-03-PARIMA*. Global Livestock Collaborative Research Support Program. University of California, Davis. 4 pp.

Gebru, G.², S. Desta², **D.L. Coppock**, L. Gizachew³, D. Amosha³, and F. Taffa³. 2007. Stakeholder alliance facilitates re-introduction of prescribed fire on the Borana Plateau of southern Ethiopia. *Research Brief 07-02-PARIMA*. Global Livestock Collaborative Research Support Program. University of California, Davis. 4 pp.

Mutinda, M.³, S. Muthoka³, A. Aboud³, and **D.L. Coppock**. 2007. Collective action among agropastoralists in Baringo District, Kenya: Identifying and nurturing the entrepreneurs. *Research Brief 07-01-PARIMA*. Global Livestock Collaborative Research Support Program. University of California, Davis. 3 pp.

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Jillo, A.³, A.A. Aboud³, and **D.L. Coppock**. 2006. From herd diversification to livelihood diversification as a response to poverty: The case of the Waso Boran of northern Kenya. *Research Brief 06-05-PARIMA*. Global Livestock Collaborative Research Support Program. University of California, Davis. 4 pp.

Gebru, G.², L. Gizachew³, S. Meselle³, S. Desta², M. Hassena³, and **D.L. Coppock**. 2006. Public engagement to prioritize pastoral research at the Pastoral and Agro-Pastoral Research Center of OARI in Ethiopia. *Research Brief 06-03-PARIMA*. Global Livestock Collaborative Research Support Program. University of California, Davis. 4 pp.

Coppock, D.L., S. Desta², A. Wako³, I. Aden³, G. Gebru², S. Tezera³, and C. Tadecha³. 2006. Collective action by women's groups to combat drought and poverty in northern Kenya. *Research Brief 06-01-PARIMA*. Global Livestock Collaborative Research Support Program. University of California, Davis. 4 pp.

Jillo, A.D.³, M. Mutinda³, A.A. Aboud³, and **D.L. Coppock**. 2005. Degree of sedentarization affects risks and conflicts for the Waso Boran in northern Kenya. *Research Brief 05-08-PARIMA*. Global Livestock Collaborative Research Support Program. University of California at Davis. 5 pp.

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Aboud, A.A.³, P.K. Kisoyan³, and **D.L. Coppock**. 2005. Agro-pastoralists' wrath for the Prosopis tree: The case of the IL Chamus of Baringo District, Kenya. *Research Brief 05-02-PARIMA*. Global Livestock Collaborative Research Support Program. University of California at Davis. 3 pp.

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Desta, S.², and **D.L. Coppock**. 2003. Pastoralism under pressure: Tracking system change in southern Ethiopia. *Research Brief 03-04-PARIMA*. Global Livestock Collaborative Research Support Program. University of California at Davis. 4 pp.

Shivoga, W.³, and **D.L. Coppock**. 2003. For pastoralists the risk may be in the drinking water: The case of Kargi, N. Kenya. *Research Brief 03-03-PARIMA*. Global Livestock Collaborative Research Support Program. University of California at Davis. 4 pp.

Coppock, D.L. 2002. Risk mapping for northern Kenya and southern Ethiopia. *Research Brief 01-01-PARIMA*. Global Livestock Collaborative Research Support Program. University of California at Davis. 4 pp.

Refereed Proceedings Papers for National or International Regular Meetings (21 items total; 4 with graduate student co-authors; 12 with mentee co-authors; 10 with post-doctoral co-authors)

Coppock, D.L., S. Tezera³, S. Desta², and G. Gebru². 2011. Achieving real development impact among pastoralist: Lessons from Ethiopia. Invited paper (pp. 679-684) and oral presentation in *Proceedings of the IX International Rangelands Congress, Diverse Rangelands for a Sustainable Society*. Held 2-8 April at Rosario, Argentina.

Huckett, S.¹, and **D.L. Coppock**. 2011. Integrating disciplines to identify factors affecting adoption of soil and water conservation practices. Volunteer abstract (p. 791) with poster presentation, in *Proceedings of the IX International Rangelands Congress, Diverse Rangelands for a Sustainable Society*. Held 2-8 April at Rosario, Argentina.

Mesele, S.³, A. Kagunyū³, G. Gebru², S. Desta², M. Shibia³, **D.L. Coppock**, L. Belay³, A. Tilahun³, and M. Okoti³. 2011. Impacts of cross-border livestock mobility on conflict over natural resources and spread of livestock diseases: A case study from south Ethiopia and north Kenya. Volunteer abstract (p. 739) in *Proceedings of the IX International Rangelands Congress, Diverse Rangelands for a Sustainable Society*. Held 2-8 April at Rosario, Argentina.

Aboud, A.A.³, I. Tura³, M. Mutinda³, E. Lentoror³, and **D.L. Coppock**. 2008. Integrating the intensive and extensive rangeland management systems: the ideal choice for the Marsabit pastoralists, Kenya. Page 970 in *Multifunctional Grasslands in a Changing World*, volume II, Edited by the Organizing Committee of the 2008 International Grasslands Congress/International Rangelands Congress (IGC/IRC). Guagdong People's Publishing House, Beijing. 1,154 pp.

Coppock, D.L., G. Gebru², S. Mesele³, and S. Desta². 2008. Are drought-related crashes in pastoral cattle herds predictable? More evidence of equilibrium dynamics from the southern Ethiopian rangelands. Page 1090 in *Multifunctional Grasslands in a Changing World*, volume II, Edited by the Organizing Committee of the 2008 International Grasslands Congress/International Rangelands Congress (IGC/IRC). Guagdong People's Publishing House, Beijing. 1,154 pp.

Desta, S²., **D. L. Coppock**, G. Gebru², S. Tezera³, and L. Gizachew³. 2008. Sustaining pastoral linkages to high-value livestock markets through collective action and public/private partnerships. Page 1071 in *Multifunctional Grasslands in a Changing World*, volume II, Edited by the Organizing Committee of the 2008 International Grasslands Congress/International Rangelands Congress (IGC/IRC). Guagdong People's Publishing House, Beijing. 1,154 pp.

Gebru, G.², D. Amosha³, S. Desta², L. Gizachew³, A. Kebede¹, and **D.L. Coppock**. 2008. Engaging stakeholders to implement community-based rangeland rehabilitation plans in southern and northeastern Ethiopia. Page 1103 in *Multifunctional Grasslands in a Changing World*, volume II, Edited by the Organizing Committee of the 2008 International Grasslands Congress/International Rangelands Congress (IGC/IRC). Guagdong People's Publishing House, Beijing. 1,154 pp.

Mutinda, M.³, A.A. Aboud³, and **D.L. Coppock**. 2008. Community perceptions concerning key ecological resources at risk in Baringo District, Kenya. Page 1005 in *Multifunctional Grasslands in a Changing World*, volume II. Edited by the Organizing Committee of the 2008 International Grasslands Congress/International Rangelands Congress (IGC/IRC). Guagdong People's Publishing House, Beijing. 1154 pp.

Desta, S²., **D.L. Coppock**, S. Tezera³, and F. Lelo. 2003. Pastoral risk management in southern Ethiopia: Observations from pilot development projects based on participatory community assessments. Invited paper. Pages 1921-30 in Allsopp, N., A. Palmer, S. Milton, G. Kerley, K. Kirkman, R. Hurt. C. Brown, and R. Hobson (eds) *Rangelands in the New Millenium—Proceedings of the Seventh International Rangelands Congress*. Held 26 July to 1 August at the International Convention Center, Durban. Published on behalf of the VIIth IRC by Document Transformation Technologies, Irene, South Africa.

Huckett, S¹., **D.L. Coppock**, W. Shivoga, F. Lelo, and S. Miller. 2003. Comparing processes of stakeholder participation in community-based watershed programs: The Little Bear River, Utah, USA, and River Njoro, Rift Valley Province, Kenya. Pages 1750-2 in Allsopp, N., A. Palmer, S. Milton, G. Kerley, K. Kirkman, R. Hurt, C. Brown, and R. Hobson (eds) *Rangelands in the New Millennium—Proceedings of the Seventh International Rangelands Congress*. Held 26 July to 1 August at the International Convention Center, Durban. Published on behalf of the VIIth IRC by Document Transformation Technologies, Irene, South Africa.

Desta, S²., **D.L. Coppock**, S. Tezera³, and F. Lelo. 2003. Pastoral risk management in southern Ethiopia: observations from pilot development projects based on participatory rural appraisals. *African Journal of Range & Forage Science* (Special Edition for the Seventh International Rangelands Congress) 20(2): 222.

Aboud, A.A³., M. Mutinda³, M. Ochieng Odhiambo, S. Desta², and **D.L. Coppock**. 2003. Kenya's pastoral development policies: The unfortunate history and hope for the future. Abstract of a volunteer paper. *African Journal of Range & Forage Science* (Special Edition for the Seventh International Rangelands Congress) 20(2): 198.

Lusenaka, F³., A.A. Aboud³, and **D.L. Coppock**. 2003. Improved management of pastoral risks: Perspectives from northern Kenya and southern Ethiopia. Abstract of a volunteer paper. *African Journal of Range & Forage Science* (Special Edition for the Seventh International Rangelands Congress) 20(2): 206.

Huckett, S¹., **D.L. Coppock**, F. Lelo, and W. Shivoga. 2003. Comparative community-based processes in natural resource management: stakeholder participation and watershed analysis on the Little Bear River, Utah, USA, and River Njoro, Rift Valley Province, Kenya. Abstract of a volunteer paper. *African Journal of Range & Forage Science* (Special Edition for the Seventh International Rangelands Congress) 20(2): 212.

Coppock, D.L., A. Aboud³, H. Alzérreca³, and S. Desta². 2002. Rangeland policy dialogue, formulation, and implementation: Perspectives from Bolivia, Ethiopia, and Kenya. Pages 22-33 In Fernández-Giménez, M., and Krueter, U. (eds.) Proceedings of a symposium organized by the International Affairs Committee (IAC) of the Society for Range Management entitled "*Rangeland Professionals and Policy: Prospects for Effective Influence in the Developed and Developing World.*" Held February 17 at the 55th Annual Meeting of the Society for Range Management (SRM), Kansas City, Missouri. Published as an electronic volume by the SRM IAC, Denver, Colorado. 69 pp.

Lybbert, T., C. Barrett, S. Desta², and **D.L. Coppock**. 2000. Pastoral risk and wealth differentiated herd accumulation patterns in southern Ethiopia. Abstract for selected paper from the Annual Meeting of the American Agricultural Economics Association, held during August, 2000, at Tampa Florida. *American Journal of Agricultural Economics* 82(5).

Desta, S., **D.L. Coppock**, and C.B. Barrett. 1999. Opportunities for asset diversification in a livestock system: The case of pastoral Boran of southern Ethiopia. Pages 35-36 in *Proceedings of the VIth International Rangeland Congress, volume 1*. (Eds. D. Eldridge and D. Freudenberger) VIth International Rangeland Congress, Inc. Held 19-23 July, 1999, at Townsville, Queensland, Australia. 562 pp.

Coppock, D.L. 1996. Dynamics of a semi-arid pastoral system under induced change in southern Ethiopia. Pages 91-93 (invited paper) in Volume II, *Proceedings of the Fifth International Rangelands Congress* (Ed. N.E. West). Held 24-28 July, 1995, Salt Lake City, Utah. 202 pp.

Coppock, D. L. 1992. Observations on the traditional logic of pastoral livestock marketing in southern Ethiopia. Pages 31-43 In *Proceedings of the International Rangeland Development Symposium*, 11-12 February 1992, Spokane, Washington (Eds. G.K. Perrier and C.W. Gay). Forty-fifth annual meeting of the Society for Range Management. 128 pp.

Detling, J.K., E.L. Painter, and **D.L. Coppock**. 1986. Ecotypic differentiation resulting from grazing pressure: Evidence for a likely phenomenon. Pages 431-433 In *Proceedings of the Second International Rangeland Congress*, Adelaide, Australia (Eds. P. J. Joss, P. W. Lynch, and O. B. Williams). Australian Academy of Science, Canberra. 634 pp.

Coppock, D.L., J.T. McCabe, J.E. Ellis, K.A. Galvin, and D.M. Swift. 1985. Traditional tactics of resource exploitation and allocation among nomads in an arid African environment. Pages 87-96 In *Proceedings of the First International Rangeland Resources Development Symposium*, Feb. 13-14, Salt Lake City, Utah (Eds. L. D. White and J. A. Tiedeman). Dept. of Forestry and Range Management, Washington State University, Pullman. 171 pp.

Editor-Reviewed Proceedings for Occasional Workshops or Regional Conferences (14 items total; 1 with graduate student co-authors; 6 with mentee co-authors; 3 with post-doctoral co-authors)

Coppock, D.L, S. Desta², A. Wako³, M. Ibrahim³, G. Gebru², S. Tezera³, and C. Tadecha³. 2006. Women's groups in arid northern Kenya: Origins, governance, and roles in poverty reduction. Invited paper presented at *A Policy Research Conference on Pastoralism and Poverty Reduction in East Africa*, held 27-28 June at the Safari Park Hotel, Nairobi, Kenya. Organized by the International Livestock Research Institute (ILRI). <http://www.saga.cornell.edu/saga/ilri0606/26coppock.pdf>

Aboud, A.A³, Gebru, G², Desta, S², and **D.L. Coppock** (eds). 2004. Pastoralism in Kenya and the policy environment: Linking research, development actors, and decision-makers. Summary of proceedings for a meeting held 08 August, 2003, at the Headquarters for the Kenya Agricultural Research Institute (KARI), Nairobi, Kenya. Summary Proceedings Report produced by the Pastoral

Risk Management (PARIMA) Project of the Global Livestock Collaborative Research Support Program (GL-CRSP). Utah State University, Logan, Utah, USA. 31 pp.

Gebru, G²., S. Desta², and **D.L. Coppock**. 2003. Managing risk in pastoral systems: Research and outreach experiences of the PARIMA project in southern Ethiopia and northern Kenya. In: *Proceedings of the Tenth Annual Conference of the Ethiopian Society of Animal Production (ESAP)*. Held August 23-24, 2002, at the Hiruye Hall, Addis Ababa, Ethiopia.

Coppock, D.L. 1997. Social survey methods on adoption of new technologies and management practices. Pages 24-26 (invited paper) in *Proceedings of the Ruminant Livestock Efficiency Program Annual Conference* (Eds D. Conneely and M. Gibbs) Held 18-20 August, 1997, Knoxville, Tennessee. Published by ICF-Kaiser and the Environmental Protection Agency. 87 pp.

Coppock, D.L. 1996. Innovation adoption constraints pertaining to methane reduction: perspectives from Utah ranching systems. Pages 22-24 (invited paper) in *Proceedings of the Ruminant Livestock Efficiency Program Annual Conference* (Eds. C. Kaestle and M. Gibbs). Held 7-10 October, 1996, Lafayette, Louisiana. Published by ICF-Kaiser and the Environmental Protection Agency. 66 pp.

Coppock, D.L., and A.H. Birkenfeld¹. 1994. Factors influencing adoption of ranch and range management innovations in Utah and possible relationships to sustainability. Pages 15-16 (invited paper) In *Proceedings of a Symposium entitled "Sustainability of Range Livestock Production Systems in the West,"* held September 17-21, Billings, Montana. Published under the auspices of Montana State University in collaboration with the Western Region of the USDA Sustainable Agriculture Research and Extension (SARE) Program. 56 pp.

Coppock, D.L., S.J. Holden³, and Mulugeta Assefa³. 1992. Review of dairy marketing and processing in a semi-arid pastoral system of Ethiopia. Pages 315-334 In *Proceedings of a Symposium on Dairy Marketing in Sub Saharan Africa*, 26-30 November 1990, Addis Ababa (Ed. R. Brokken and Senait Seyoum). International Livestock Centre for Africa, Addis Ababa. 392 pp.

King, G., **D. L. Coppock**, and A. Mengistu. 1992. An Ethiopian rangelands training programme at the University of New South Wales. Pages 432-433 In *Proceedings of the Seventh Biennial Australian Rangelands Conference*, held during October, 1992, at Cobar, Australia.

Alemseged, Y³., G. King, **D. L.. Coppock**, and J. C. Tohill. 1992. Maize-legume intercropping in the semi-arid area of Sidamo region, Ethiopia. Pages 439-440 In *Proceedings of the Seventh Biennial Australian Rangelands Conference*, held during October, 1992, at Cobar, Australia.

Kebede, S³., T. Yigezu³, G. King, and **D. L. Coppock**. 1992. Aspects of Acacia woody weed ecology in the southern Ethiopian rangelands. In *Proceedings of the Seventh Biennial Australian Rangelands Conference*, held during October, 1992, at Cobar, Australia.

Dessalenge, S.³, G. King, and **D. L. Coppock**. 1992. Chemical and mechanical bush control in the southern Ethiopian rangelands. In *Proceedings of the Seventh Biennial Australian Rangelands Conference*, held during October, 1992, at Cobar, Australia.

Webb, P., Girma Bisrat, and **D.L. Coppock**. 1991. Food Security and sustainable growth for pastoral systems in semi-arid Africa. Pages 347-361 In *Proceedings of a Conference on Agricultural Sustainability, Growth and Poverty Alleviation: Issues and Policies*, 23-27 September 1991, Feldafing, Federal Republic of Germany (Eds. S.A. Vosti, T. Reardon, and W. von Urff). Sponsored by the German Foundation for International Development and the International Food Policy Research Institute. Published by the Food and Agriculture Development Center, Feldafing. 518 pp.

Coppock, D.L. 1990. Ethiopia's arid and semi-arid lowlands: Environments, pastoral economies and issues in natural resource sustainability. Pages 116 122 In *Proceedings of the First Conference on Natural Resources Improvement in Ethiopia (Theme: Natural Resources Degradation: A Challenge to Ethiopia)*, February 7-8, Addis Ababa (Ed. H. van Houten). Institute of Agricultural Research of the People's Democratic Republic of Ethiopia.

Coppock, D.L., J.E. Ellis, J. Wienpahl, J.T. McCabe, D.M. Swift, and K.A. Galvin. 1982. A review of livestock studies of the South Turkana Ecosystem Project. Pages 168 172 In *Proceedings, Small Ruminant Collaborative Research Support Program, Kenya. SR CRSP Workshop*, Nairobi. 172 pp.

Oral Presentations and Posters for Professional Meetings (155 items total; *denotes invited; Coppock denotes that Coppock presented the work; 22 with graduate-student co-authors; 33 with mentee co-authors; 26 with post-doctoral co-authors)

Overall, there are 78 regular, oral presentations listed for national and international meetings as well as formal seminars at Utah State University. Coppock was the speaker in 46 (59%) of these presentations. Thirty (or 38%) of the 78 were invited presentations, and Coppock gave 24 of these talks.

Overall, there are 18 posters listed for national and international meetings. Coppock presented 7 of these. Two posters were invited.

Overall, there are 29 oral presentations related to formal reporting on funded research projects. Coppock presented 25 of these. Twenty one of these were "invited," but in the context of project activities.

Overall, there are 32 instances of oral presentations and/or organizational oversight in the context of symposia, workshops, etc. Coppock was the presenter in all of these cases.

In sum, Coppock was either the first author (or organizational lead in the case of workshops and symposia) for 79 (51%) of the 155 outputs. And he had a major role in the vast majority of the rest.

Coppock was also the presenter for 108 (70%) of the 155 outputs.

2013 (5 items)

Radel, C., and **D.L. Coppock**. 2013. Gender and natural resources: Global overview. Invited talk presented at a symposium entitled, “Women as Change Agents in the World’s Rangelands,” held February 05 during the 66th Annual Meeting of the Society for Range Management. Oklahoma City.

Coppock, D.L., S. Tezera, S. Desta, A. Aboud, S. Muthoka, G. Gebru, M. Mutinda, and A. yonas. 2013. Cross-border interaction spurs innovation and hope among pastoral women of Ethiopia and Kenya. Invited talk presented at a symposium entitled, “Women as Change Agents in the World’s Rangelands,” held February 05 during the 66th Annual Meeting of the Society for Range Management, Oklahoma City.

Coppock, D.L. 2013. Rancher response to drought: The case for Utah. Invited talk presented at a workshop entitled, “Coping with Drought on Rangelands,” February 05 during the 66th Annual Meeting of the Society for Range Management, Oklahoma City.

Coppock, D.L. 2013. Preliminary perspectives from human dimensions (social science): Medusahead project in southern Cache County, Utah. Progress report presented at a meeting of scientists participating in rangeland research grants from the National Institute for Food and Agriculture (NIFA), held February 06 during the 66th Annual Meeting of the Society for Range Management, Oklahoma City.

Coppock, D.L., and E.A. Burritt. 2013. Community engagement and noxious weed control in southern Cache County, Utah. Volunteer paper presented at the 19th International Symposium on Society and Resource Management (ISSRM), held 04-08 June, Estes Park, Colorado.

2012 (3 items)

Ma, Z., and **D.L. Coppock**. 2012. Challenges for future carbon sequestration programs: A case study of Utah ranchers. Volunteer presentation, *18th International Symposium on Society and Resource Management*, held 17-22 June at Edmonton, Canada.

Coppock, D.L. 2012. Empowering African women to transform drought-ravaged communities. Invited presentation, *Utah State University Sunrise Sessions*. Held 13 April at the Grand America Hotel, Salt Lake City.*

Coppock, D.L. 2012. Progress report for the social science component of the USDA-NIFA project entitled “Using New Knowledge on Grazing Behavior to Control Medusahead in the Western United States.” Invited presentation made at the *65th Annual Meeting of the Society for Range Management*, held 28 January to 3 February, Spokane, Washington.*

2011 (4 items)

Coppock, D.L., S. Desta², S. Tezera³, and G. Gebru². 2011. Pastoral women transform impoverished communities in Ethiopia. Plenary keynote address, given 04 April at the *IX International Rangelands Congress, Diverse Rangelands for a Sustainable Society*, Rosario, Argentina.*

Coppock, D.L., and S. Villagra. 2011. Policy influences and land use. Co-chairs and discussion leaders of technical session 3.4 (Policy Influences and Land Use), held 08 April at the *IX International Rangelands Congress, Diverse Rangelands for a Sustainable Society*, Rosario, Argentina.*

Coppock, D.L., Z. Ma, T. Monaco, D. Snyder, H. Van Miegroet, and G. Cardon. 2011. Carbon offsets for Utah ranchers? Sequestration potential of deeded lands and implications for policy and management. Volunteer presentation, *64th Annual Meeting of the Society for Range Management*, held 5-11 February at Billings, Montana.

Coppock, D.L. 2011. Factors limiting use of drought mitigation tactics among Utah cattle ranchers. Volunteer poster presented at the *64th Annual Meeting of the Society for Range Management*, held 5-11 February at Billings, Montana.

2010 (3 items)

Coppock, D.L. 2010. Overview of the PARIMA project. *Invited presentation for the USU Research Council*, held 16 September at Champ Hall, Old Main, USU Campus.*

Coppock, D.L., and Z. Ma. 2010. Private land owner attitudes and perceptions concerning carbon sequestration on Utah rangelands. Volunteer presentation, *16th International Symposium on Society and Resource Management*, held 6-10 June at Corpus Christi, Texas.

Coppock, D.L. 2010. Production impacts, risk perceptions, and multi-year droughts: Are Utah ranchers ready for “the next big one?” Volunteer poster presented at *the 63rd Annual Meeting of the Society for Range Management*, held 7-14 February at Denver, Colorado.

2009 (10 items)

Gebru, G²., S. Desta², **D.L. Coppock**, S. Tezera³, and Z. Edea³. 2009. Sustaining pastoral linkages to markets: Updating a case study from southern Ethiopia. Volunteer presentation, *Regional Symposium on Livestock Marketing in the Horn of Africa: Working towards Best Practices*, held 21-23 October, Kenya Commercial Bank Leadership Center, Nairobi (Karen). Organized by CARE-International in Kenya.

Coppock, D.L. 2009. The PARIMA project of the GL-CRSP: Lessons Learned and Thoughts for the Future. *Closing seminar given to administrative and technical staff of the USAID Mission to Ethiopia*, Addis Ababa. September 18.

Wayua, F.³, M. Shibia³, M. Mamo³, D. Bailey, and **D.L. Coppock**. 2009. Examination of willingness to pay for improved milk quality in northern Kenya using experimental auctions. Volunteer presentation, *19th Annual World Forum and Symposium of the International Food and Agribusiness Management Association*, held June 20 at Budapest, Hungary.

Tezera, S.³, S. Desta², and **D.L. Coppock**. 2009. Women's health, collective action, and risk management in southern Ethiopia. Invited poster and abstract in *Proceedings of the Global Livestock CRSP End of Program Conference: "From Problem Models to Solutions—Learning to Cope in a Risky World,"* held 16-19 June at Sopa Lodge, Naivasha, Kenya.

Huckett, S.¹, and **D. L. Coppock**. 2009. Soil and water conservation in Kenya's River Njoro watershed: Occurrence and constraints of adoption. Volunteer poster and abstract in *Proceedings of the Global Livestock CRSP End of Program Conference: "From Problem Models to Solutions: Learning to Cope in a Risky World,"* held 16-19 June at Sopa Lodge, Naivasha, Kenya.

Coppock, D.L., S. Desta², A. Aboud³, S. Tezera³, G. Gebru², G. Keya, and A. Hussien. 2009. Lessons learned from participatory research on the pastoral risk management project (PARIMA). Invited poster and abstract in *Proceedings of the Global Livestock CRSP End of Program Conference: "From Problem Models to Solutions—Learning to Cope in a Risky World,"* held 16-19 June at Sopa Lodge, Naivasha, Kenya.*

Coppock, D.L., and S. Desta². 2009. Collective action and capacity building improves lives in southern Ethiopia. Invited presentation at the *Closing Program Conference of the Global Livestock Collaborative Research Support Program (GL-CRSP)*, held 16-19 June at Sopa Lodge, Naivasha, Kenya.*

Coppock, D.L. 2009. The quest for impact: The transformation of research from a traditional to a participatory format in southern Ethiopia. Invited presentation at the *Closing Program Conference of the Global Livestock Collaborative Research Support Program (GL-CRSP)*, held 16-19 June at Sopa Lodge, Naivasha, Kenya.*

Coppock, D.L. 2009. Perspectives on pastoral risk management in southern Ethiopia. Invited presentation for the *Graduate Seminar Series in the Department of Applied Economics*, Utah State University. April 15.*

Kebede, A.¹, and **D.L. Coppock**. 2009. Pastoral livestock facilitate dispersal of *Prosopis juliflora* in an Ethiopian wildlife reserve. Volunteer poster presented at the *62nd Annual Meeting of the Society for Range Management*, held 8-13 February at Albuquerque, New Mexico.

2008 (3 items)

Olekaikai, N.³, A. Aboud³, D. Nassiuma³, and **D.L. Coppock**. 2008. Influence of land, water, and wet- and dry-season grazing on the socioeconomic well-being of communities in north-central Kenya: A case study of pastoralists and agro-pastoralists in Marigat Division. Volunteer presentation presented at a *Scientific Workshop on Natural Resource Use and Sustainable Livelihood Systems*. Held 14-16 December at the Kenya Wildlife Service Institute, Naivasha, Kenya. Sponsored by the Centre for Training and Integrated Research in ASAL Development (CETRAD), Nairobi.

Gebru, G.², S. Desta², and **D. L. Coppock**. 2008. Linking pastoral producers to markets: Innovative experiences from the southern Ethiopian rangelands. Invited presentation at the *International Seminar EU-Africa: Challenges for Rural Development and the Animal Health Control Organization "Veterinarios sem Fronteiras Portugal."* Held 5-7 June, at the Faculdade de Medicina Veterinária, Pólo Universitário do Alto da Ajuda, Lisbon, Portugal.*

Coppock, D.L., S. Desta², G. Gebru², and S. Tezera³. 2008. Collective action and capacity building reduces vulnerability among pastoralists. Volunteer poster presented at *the 61st Annual Meeting of the Society for Range Management*, held 26-31 January at Louisville, Kentucky.

2007 (3 items)

LaMalfa, E.³, G. Gebru², T. Sexton, D. Amosha, S. Moats, R. Morrow, F. Taffa, L. Gizachew³, D. Dallas, and **D.L. Coppock**. 2007. Re-introduction of managed fire in the pastoral production systems of the southern Ethiopian rangelands. Volunteer poster presented at the *Human Dimensions of Wildland Fire Conference*, held 23-25 October, Fort Collins, Colorado.

Coppock, D.L., S. Desta², G. Gebru², and S. Tezera³. 2007. Implementing a virtuous cycle of livestock off-take, wealth conservation, and livelihood diversification to improve risk management and reduce poverty among pastoralists in southern Ethiopia. Invited symposium presentation presented at the *13th International Symposium for Society and Resource Management*, held 17-21 June, Park City, Utah.*

Coppock, D.L., S. Desta², A. Wako³, I. Aden³, G. Gebru², S. Tezera³, and C. Tadecha³. 2007. Sustainable livelihood diversification among women's groups of northern Kenya. Volunteer presentation presented at the *60th Annual Meeting of the Society for Range Management*, 10-16 February, Reno, Nevada.

2006 (10 items)

Coppock, D.L., S. Tezerra³, S. Desta², G. Gebru², and C. Tadecha³. 2006. Change agents facilitate cross-border diffusion of collective-action innovations among pastoral women. Volunteer presentation presented at the *Innovation Africa Symposium*, held 21-23 November, at Kampala, Uganda. Conference co-sponsored by CIAT (International Center for Tropical agriculture), IIRR

(International Institute for Rural Reconstruction), ILRI (International Livestock Research Institute) and PROLINNOVA (PROmoting Local INNOVAtion).

Desta, S², **D.L. Coppock**, A. Wako³, I. Aden³, G. Gebr², S. Tezera³, and C. Tadecha³. 2006. Collective action by women's groups to combat drought and poverty in northern Kenya. Volunteer Poster presented at the *Annual Conference on International Agricultural Research for Development (Tropentag) "Prosperity and Poverty in a Globalized World: Challenges for Agricultural Research*, held 11-13 October, University of Bonn, Bonn, Germany.

Desta, S.², G. Gebru², S. Tezera³, and **D.L. Coppock**. 2006. Linking small-ruminant producers to markets: A case study from the southern Ethiopian rangelands. Volunteer presentation presented at a conference entitled *Regional Consultation on Linking Farmers to Markets: Lessons Learned and Successful Practices*, held 28 January–2 February at the Marriott Hotel, Cairo, Egypt. Conference sponsored by USAID and the World Bank.

Coppock, D.L., D. Snyder, M. Amin, and L. Sainsbury¹. 2006. Forage resource use for Utah beef production under risk and uncertainty. Volunteer presentation presented at the *59th Annual Meeting of the Society for Range Management*, 11-17 February, Vancouver, Canada.

Coppock, D.L., S. Tezera³, S. Desta², and G. Gebru². 2006. Linking Ethiopian pastoralists and exporters in a livestock marketing chain: The role of education. Volunteer presentation presented at the *59th Annual Meeting of the Society for Range Management*, 11-17 February, Vancouver, Canada.

Thomas, M.¹, **D.L. Coppock**, D. Blahna, and S. Daniels. 2006. Building sustainable recreation planning decisions on federal lands: The role of authentic public participation in southern Utah. Volunteer presentation presented at the *12th International Symposium for Society and Resource Management (ISSRM)*, held 3-8 June, Vancouver, Canada.

About, A.A.³, M. Odhiambo, and **D.L. Coppock**. 2006. Poverty reduction strategy paper (PRSP): A roundtable discussion. Volunteer presentation presented at *A Policy Research Conference on Pastoralism and Poverty Reduction in East Africa*, held 27-28 June at the Safari Park Hotel, Nairobi, Kenya. Organized by the International Livestock Research Institute (ILRI).

Coppock, D.L., S. Desta², A. Wako³, M. Ibrahim³, G. Gebru², S. Tezera³, and C. Tadecha³. 2006. Women's groups in arid northern Kenya: Origins, governance, and roles in poverty reduction. Invited presentation given at *A Policy Research Conference on Pastoralism and Poverty Reduction in East Africa*, held 27-28 June at the Safari Park Hotel, Nairobi, Kenya. Organized by the International Livestock Research Institute (ILRI).*

Gebru, G.², S. Desta², D. Amosha³, and **D.L. Coppock**. 2006. Role of participatory action research in reviving endogenous rangeland management: A case from Southern Ethiopia. Invited presentation given at the *Annual Conference on International Agricultural Research for Development (Tropentag) "Prosperity and Poverty in a Globalized World: Challenges for Agricultural*

Research, held 11-13 October, University of Bonn, Bonn, Germany.*

Coppock, D.L. 2006. Synthesis of major discussion points. Presentation made at a conference entitled *Sustainable Cooperative Development in the Ethiopian Rangelands: Organizational Approach and Role in Development*, held 29-30 September at the Awash National Hotel, Adama, Ethiopia. Organized by the Oromia Cooperative Promotion Commission (OCPC) and the Global Livestock Collaborative Research Support Program (GL-CRSP).

2005 (16 items)

Thomas, M.¹, **D. L. Coppock**, and D. Blahna. 2005(a). Building sustainable recreation-planning decisions on federal lands: The role of authentic public participation in southern Utah, USA. Volunteer poster presented at the *11th International Symposium on Society and Resource Management*, held 16-19 June, Ostersund, Sweden.

Thomas, M.¹, **D.L. Coppock**, and D. Blahna. 2005 (b). Building sustainable recreation-planning decisions on federal lands: The role of authentic public participation in southern Utah. Volunteer presentation given at the *20th Anniversary Conference of the Society for Human Ecology*, held 13-15 October, Salt Lake City, Utah.

Thomas, M.¹, **D.L. Coppock**, and D. Blahna. 2005(c). Building sustainable recreation-planning decisions on federal lands: The role of authentic public participation in southern Utah. Volunteer presentation given at the *Biennial Conference for Human Dimensions of Natural Resources in the Western United States*, held 27-29 October, Park City, Utah. Meeting sponsored by the Western Association of Recreation Researchers and Professionals (WARRP) and hosted by the Institute for Outdoor Recreation and Tourism (IORT) of Utah State University.

Coppock, D.L. 2005(a). Mitigating recurrent drought crises in the southern Ethiopian rangelands. Invited presentation given at a symposium entitled, “The Science of Agriculture and Food in Times of Crisis.” *71st Annual Meeting of the American Association for the Advancement of Science (AAAS)*, held 17-21 February, Washington, DC.*

Coppock, D.L. 2005(b). The PARIMA Project—Overview. Invited presentation given at the *GL-CRSP Program Conference*, held 22-25 June, University College, Dublin, Ireland.*

Coppock, D.L. 2005(c). Integrating bio-physical and social sciences in sustainability research: An international perspective for a pastoral society. Invited presentation given at a symposium entitled “Perspectives on Integrating Bio-Physical and Social Sciences for Sustaining Natural and Human Systems,” held on 14 October during the *20th Anniversary Conference of the Society for Human Ecology*, held 13-15 October, Salt lake City, Utah.*

Coppock, D.L. 2005(d). Merging ecological and social sciences to combat poverty in the Ethiopian rangelands. *College of Natural Resources Annual Seminar Series*, Utah State University. Invited seminar presented 30 November, USU campus, Logan, Utah.

Huckett, S.¹, and **D.L. Coppock**. 2005. Human dimensions of watershed management: Organization and implementation of the Little Bear River Project in Utah. Volunteer presentation given at the 58th *Annual Meeting of the Society for Range Management*, 5-11 February, Fort Worth.

Fubusa, Y.¹, T.L. Sharik, and **D.L. Coppock**. 2005(a). The Gombe School of Environment & Society in Tanzania: Proposed activity for project phase I. Invited presentation given at the *Semi-annual Board Meeting of the Teton Science Schools (TSS)*, held 15 May at the TSS campus, Kelly, Wyoming.*

Fubusa, Y.¹, T.L. Sharik, and **D.L. Coppock**. 2005(b). The Gombe School of Environment & Society in Tanzania: Progress report for project phase I. Invited presentation given at the *Semi-annual Board Meeting of the Teton Science Schools (TSS)*, held 15 October at the TSS campus, Kelly, Wyoming.*

Gebru, G.², S. Desta², S. Tezera³, and **D.L. Coppock**. 2005(a). Goats—a pathway to food security: The case of pastoral women's groups from southern Ethiopia. Invited presentation given at an Occasional Conference of the Veterinaire Sans Frontier (VSF), held 15 April at the Belgian Parliament Building, Brussels, Belgium.*

Gebru, G.², S. Desta², S. Tezera³, and **D.L. Coppock**. 2005(b). Institutional innovations for pastoral access to emerging export markets for sheep and goats: A case from the East African rangelands. Invited presentation given at the *Annual Conference for International Agricultural Research for Development (Tropentag) "Global Food and Product Chains,"* held 11-13 October, University of Hohenheim, Stuttgart, Germany.*

Desta, S.², G. Gebru², S. Tezera³, and **D.L. Coppock**. 2005. Institutional innovations and market linkages: the case of pastoral marketing groups in southern Ethiopia. Invited presentation given in the plenary session of the 19th *Annual Meeting of the Ethiopian Veterinary Association (EVA)*, held 19 June, Africa Hall, Economic Commission for Africa, Addis Ababa, Ethiopia.*

Desta, S.², **D.L. Coppock**, S. Tezera³, and G. Gebru³. 2005. Avenues for enhancing traditional livelihoods from grasslands: Income diversification among pastoral women's groups in southern Ethiopia. Volunteer poster presented at the *XX International Grasslands Congress*, held 26 June-1 July, University College, Dublin, Ireland.

Mutinda, M.N.³, A.A. Aboud³, and **D.L. Coppock**. 2005. Community perceptions of vulnerable key ecological resources in Baringo, Kenya. Volunteer poster presented at the *XX International Grasslands Congress*, held 26 June-1 July, University College, Dublin, Ireland.

Jillo, A.D³, A.A. Aboud³, and **D.L. Coppock**. 2005. Of grasslands and guns: natural-resource based conflict among the Waso Borana pastoralists of northern Kenya. Volunteer poster presented at the *XX International Grasslands Congress*, held 26 June-1 July, University College, Dublin, Ireland.

2004 (11 items)

Coppock, D.L. 2004 (a-d). Human subjects awareness training for agro-ecological researchers. Four volunteer IRB certification-training seminars given in Kenya (KARI-Marsabit; Egerton University) and Ethiopia (OARI-Yabelo; OARI-Adama) during May and June.

Coppock, D.L. 2004 (e-g). Trends in natural resource management in the western USA and implications for university curricula and participatory research. Three volunteer seminars given in Kenya (KARI-Marsabit; Egerton University) and Ethiopia (OARI-Adama) during May and June.

Coppock, D.L. 2004 (h). The PARIMA project. Volunteer seminar given at Dehub University, Awassa, Ethiopia. June.

Coppock, D.L. 2004 (i). Sustaining pastoralism in southern Ethiopia: Ecosystem dynamics, policy, and development. Invited presentation given at a symposium entitled "Ecological Theory and Rangeland Sustainability: Local strategies, Global Solutions." *89th Annual Meeting of the Ecological Society of America*, held 1-6 August, Portland, OR.*

Desta, S.², and **D. L. Coppock**. 2004. Tracking changes in southern Ethiopia: Are pastoral system dynamics predictable? Volunteer presentation given at the *57th Annual Meeting of the Society for Range Management*, Salt Lake City.

Sainsbury, L.¹, D. Snyder, and **D.L. Coppock**. 2004. Do Utah beef producers primarily manage for drought risk? Volunteer presentation given at the *57th Annual Meeting of the Society for Range Management*, Salt Lake City.

2003 (4 items)

Coppock, D.L. 2003a. Humans and ecosystem dynamics in the southern Ethiopian rangelands. Invited lecture for the series entitled, "*Colloquium in the Life Sciences*." Colorado State University, Fort Collins. March 31*

Coppock, D.L. 2003b. Overview of the PARIMA project and relevant issues. Volunteer presentation at a meeting entitled "*Kenyan Pastoralists and the Policy Environment: Linking Research with Decision-Making*." Headquarters for the Kenya Agricultural Research Institute (KARI), Nairobi, Kenya. August 8.

Coppock, D.L. 2003c. Overview of the PARIMA project and relevant issues. Volunteer presentation at a meeting entitled "*Ethiopian Pastoralists and the Policy Environment: Linking Research with*

Decision-Making.” International Livestock Research Institute (ILRI), Addis Ababa, Ethiopia. August 15.

Coppock, D.L., and A. Aboud³. 2003. Improving pastoral risk management on East African rangelands (PARIMA). Invited presentation made to the *Committee of the Strategic Partnership for Agricultural Research and Education (SPARE)*, as part of the program renewal effort of the GL-CRSP. California Center, Washington DC. June 16.*

2002 (9 items)

Desta, S²., and **D.L. Coppock**. 2002. Economic diversification of pastoral women’s groups in northern Kenya. Volunteer presentation given at the *55th Annual Meeting of the Society for Range Management*, Kansas City.*

Coppock, D.L., A. Aboud³, H. Alzérreca³, and S. Desta². 2002. Rangeland policy perspectives from Bolivia, Ethiopia, and Kenya. Invited presentation given at the *55th Annual Meeting of the Society for Range Management*, Kansas City.*

Coppock, D.L., and I. Scoones. 2002. The *Journal of Range Management*, 1991-2000: Does subject matter address emerging rangeland issues? Volunteer presentation given at the *55th Annual Meeting of the Society for Range Management*, Kansas City.

Coppock, D.L. 2002 (a,b). Review of the Pastoral Risk Management (PARIMA) Project by the *External Evaluation Panel (EEP)*, Global Bureau, USAID. Coppock gave two invited presentations for a seminar series held June 19 at the International Livestock Research Institute (ILRI) in Nairobi, Kenya.*

Gebu, G.², S. Desta², and **D.L. Coppock**. 2002. Managing risk in pastoral systems: Research and outreach experiences of the PARIMA project in southern Ethiopia and northern Kenya. Volunteer poster presented at the *10th Annual Conference of the Ethiopian Society of Animal Production (ESAP)*. Held August 23-24 at Hiruye Hall, Addis Ababa, Ethiopia.

Coppock, D.L. 2002. The PARIMA project: Problem model and project achievements, 1997-2000. Invited presentation given at the *GL-CRSP Program Conference*, held October 9-12 at the Hotel Washington, Washington DC.*

Aboud, A.A³., and **D.L. Coppock**. 2002. Capacity building in the Faculty of Environmental Studies and Natural Resources at Egerton University, Kenya: Pastoral risk management and watershed rehabilitation Invited presentation given at the *GL-CRSP Program Conference*, held October 9-12 at the Hotel Washington, Washington DC.*

Barrett, C., **D.L. Coppock**, P.D. Little, and J. Stuth. 2002. PARIMA/LEWS livestock marketing collaborative project. Invited presentation given at the *GL-CRSP Program Conference*, held October 9-12 at the Hotel Washington, Washington DC.*

2001 (1 item)

Sainsbury, L.¹, Snyder, D., and **D.L. Coppock**. 2001. Can Utah public land ranchers replace public land grazing by intensifying production on private land? Volunteer presentation given at the *54th Annual Meeting of the Society of Range Management*, Kona, Hawaii.

2000 (5 items)

Coppock, D.L. 2000a. Improving pastoral risk management on East African rangelands - year 2. Invited progress report presentation given at the GL-CRSP. *GL-CRSP Annual Meeting* held 15-18 March at Autlan de Navarro, Jalisco, Mexico.*

Coppock, D.L. and C. Valdivia. 2000. Sustaining agropastoralism on the Bolivian altiplano: The case of San José Llanga. Invited final synthesis presentation for the GL-CRSP. *GL-CRSP Annual Meeting* held 15-18 March at Autlan de Navarro, Jalisco, Mexico.*

Coppock, D.L. and P. Box. 2000. Spatial analysis perspectives for the pastoral risk management project. Invited presentation given at the *GL-CRSP Annual Meeting* held 15-18 March at Autlan de Navarro, Jalisco, Mexico.*

Coppock, D.L. 2000b. Improving pastoral risk management on East African rangelands – *third project planning workshop* (GL-CRSP). Held July 10-11 at Egerton University, Njoro, Kenya.

Coppock, D.L., and S. Desta². 2000. Improving pastoral risk management on East African rangelands – A review of project activities. Volunteer presentation given October 6 to USAID and Ethiopian government officials at the USAID mission, Addis Ababa, Ethiopia.

1999 (7 items)

Sainsbury, L.¹, **D.L. Coppock** and J.P. Workman. 1999. Intensification in a risky environment: The case of improving private grazing land for livestock production in Utah. Volunteer presentation given in February at the *52nd Annual Meeting of the Society of Range Management*, Omaha.

Coppock, D.L. 1999 (a-f). Improving pastoral risk management on East African rangelands—first biennial research and outreach workshop (SR/GL-CRSP). Held 27-29 July at Addis Ababa, Ethiopia. Coppock gave a total of six volunteer talks as sole author or co-author at this workshop. Topics included the introductory remarks, an overview of the GL-CRSP, research results on pastoral herd dynamics and economic diversification (co-authored with Desta and Barrett), an overview of outreach progress, need for links to policy makers, and closing remarks. An ending session called

“Second annual project planning meeting” was also held.

1998 (10 items)

Coppock, D.L. 1998a. Improving pastoral risk management on East African Rangelands. Invited presentation made to a *Review Panel of the Office of Agriculture and Food Security of USAID* as part of the grant renewal process for the SR/GL-CRSP. Meeting held May 8 at USAID headquarters, Washington, DC.*

Coppock, D.L. 1998b. Improving pastoral risk management on East African rangelands—*first project planning workshop* (SR/GL-CRSP). Held June 18-21 at Egerton University, Njoro, Kenya.

Coppock, D.L. 1998c. Improving pastoral risk management on East African rangelands—*first outreach workshop* for Ethiopia (SR/GL-CRSP). Held 21 August at the International Livestock Research Institute (ILRI), Addis Ababa.*

Coppock, D.L. 1998d. Constraints for improved land and animal management among beef cattle producers in Utah. Volunteer presentation at the *Annual Meeting of the Utah Section of the Society for Range Management*, held November 12-13, Moab, Utah.

Coppock, D.L. 1998e. Improving pastoral risk management on East African rangelands—*first outreach workshop* for Kenya (SR/GL-CRSP). Held 01 December at the International Livestock Research Institute (ILRI), Nairobi.

Coppock, D.L. 1998f. Improving pastoral risk management on East African rangelands—year 1 progress report for the SR/GL-CRSP. Invited presentation, *GL-CRSP Annual Meeting*, 07 December, Tarangire National Park, Tanzania.*

Desta, S.¹, and **D.L. Coppock**. 1998. Banking livestock capital: A strategy for pastoral asset diversification in southern Ethiopia. Volunteer presentation at the *51st Annual Meeting of the Society for Range Management*, held February 8-12, Guadalajara, Mexico.

Buttolph, L.¹, and **D.L. Coppock**. 1998. Equilibrium, non-equilibrium, or both? A proposed classification of pastoral ecosystems based on vegetation and livestock dynamics. Volunteer poster presented at the *51st Annual Meeting of the Society for Range Management*, held February 8-12, Guadalajara, Mexico.

Peterson, R.¹, **D.L. Coppock** and K.C. Olson. 1998. Coping strategies of Utah permittees and implications for technology transfer. Volunteer presentation given at the *51st Annual Meeting of the Society for Range Management*, held February 8-12, Guadalajara, Mexico.

Workman, J.P., P.H.W. Phiri, and **D.L. Coppock**. 1998. Interdependence of market type, season, cattle prices, and numbers sold in Kasungu, Malawi. Volunteer presentation at the *51st Annual Meeting of the Society for Range Management*, held February 8-12, Guadalajara, Mexico.

1997 (15 items)

Peterson, R¹, and **D.L. Coppock**. 1997. Coping strategies of Utah permittees: Intensify, diversify, or do nothing? Volunteer presentation given at the 50th Annual Meeting of the Society for Range Management, held February 16-21, Rapid City, South Dakota.

Coppock, D.L., C. Valdivia, J. de Queiroz³, C. Jetté, M. Ortega, J. Yazman, and L. Markowitz. 1997. Coping with ecological and economic perturbations in a Bolivian agropastoral system: A synthesis. Volunteer presentation given at the 50th Annual Meeting of the Society for Range Management, held February 16-21, Rapid City, South Dakota.*

Buttolph, L¹, and **D.L. Coppock**. 1997. Impacts of development innovations on a traditional camelid production system in Bolivia. Volunteer presentation given at the 50th Annual Meeting of the Society for Range Management, held February 16-21, Rapid City, South Dakota.

Coppock, D.L. 1997a. Co-moderator for a technical session on "Rangeland Social Science". Session held on February 16 during the 50th Annual Meeting of the Society for Range Management, Rapid City, South Dakota.*

Coppock, D.L. 1997b. Diversification of livestock capital for pastoral risk management and regional development in East Africa. *Second project planning workshop* held 20-22 February, Logan, Utah. Small Ruminant Collaborative Research Support Program (SR-CRSP) assessment team process.

Coppock, D.L. 1997c. Diversification of livestock capital for pastoral risk management and regional development in East Africa. *Third project planning workshop* held 13 March, Logan, Utah. Small Ruminant Collaborative Research Support Program (SR-CRSP) assessment team process.

Coppock, D.L. 1997d. Diversification of livestock capital for pastoral risk management and regional development in East Africa. *Fourth project planning workshop* held March 25 at the International Livestock Research Institute (ILRI), Nairobi, Kenya. Small Ruminant Collaborative Research Support Program (SR-CRSP) assessment team process.

Coppock, D.L. 1997e. Diversification of livestock capital for pastoral risk management and regional development in East Africa. *Fifth project planning workshop* held April 8 at the International Livestock Research Institute (ILRI), Addis Ababa, Ethiopia. Small Ruminant Collaborative Research Support Program (SR-CRSP) assessment team process.*

Coppock, D.L. 1997f. Banking livestock capital for the opportunistic management of stocking rates: A viable intervention for pastoral Africa? Invited seminar presented April 14, Livestock Policy Analysis Program (LPAP), International Livestock Research Institute (ILRI), Addis Ababa, Ethiopia.*

Coppock, D.L., C. Valdivia, J. de Queiroz, C. Jetté, M. Ortega, J. Yazman and L. Markowitz. 1997. The role of small ruminants in sustaining agropastoralism on the Bolivian altiplano: preview of a synthesis. Invited seminar presented on April 16 to students and faculty of the University of Hohenheim, Stuttgart, Germany.*

Coppock, D.L. 1997g. Diversification of livestock assets for pastoral risk management and regional development in East Africa. Invited seminar presented on April 17 to students and faculty of the University of Hohenheim, Stuttgart, Germany.*

Coppock, D.L. 1997h. Diversification of livestock capital for pastoral risk management and regional development in East Africa. *Sixth project planning workshop* held May 5-7, Logan, Utah. Small Ruminant Collaborative Research Support Program (SR-CRSP) assessment team process.

Coppock, D.L. 1997i. Improving pastoral risk management on East African rangelands – public presentation. Invited presentation given to the *SR-CRSP advisory panel* and other professionals, June 28, Tufts University, Boston, Massachusetts.*

Coppock, D.L. 1997j. Improving pastoral risk management on East African rangelands – private presentation. Invited presentation given to the *SR-CRSP advisory panel*, June 29, Tufts University, Boston, Massachusetts.*

Buttolph, L.¹, and **D.L. Coppock**. 1997. Grazing impacts on three vegetation communities in the Bolivian highlands. Volunteer poster presented at the *82nd Annual meeting of the Ecological Society of America*, held 11-14 August at Albuquerque, New Mexico.

1996 (3 items)

Coppock, D.L., D. Ramsey, L. Austin, A. Lewis and J. Stephens. 1996. Inventory and mapping of water-related, privately owned forage resources in Utah. Invited presentation given in a symposium on Remote Sensing Applications on Rangelands, at the *49th Annual Meeting of the Society for Range Management*, February 13, at Wichita, Kansas.*

Coppock, D.L. 1996a. Innovation adoption constraints pertaining to methane reduction: perspectives from Utah ranching systems. Invited presentation given at the *Third Annual Workshop of the Ruminant Livestock Methane Program (RLMP)*, held October 7-10, 1996, Lafayette, Louisiana. Sponsored by the Environmental Protection Agency.*

Coppock, D.L. 1996b. Diversification of livestock capital for pastoral risk management and regional development in East Africa. *First project planning workshop* held 11-13 November, Logan, Utah. Small Ruminant Collaborative Research Support Program (SR-CRSP) assessment team process.

1995 (2 items)

Coppock, D.L. 1995a. Possibilities for pastoralism: The case of southern Ethiopia. Invited presentation given in a session entitled "Growing Food to Meet Future Needs," held during the *21st Biennial International Development Conference -- Achieving Global Human Security*; held January 16-18, Washington, D.C.*

Coppock, D.L. 1995b. Utah private grazing lands: New roles for improved pastures. Invited presentation given in the plenary session of *Utah State University Land Grant Days* on November 6, 1995. Utah State University, Logan.*

1994 (3 items)

Birkenfeld, A.H.¹, and **D.L. Coppock**. 1994a. Adoption of range innovations in Utah. I: Production system structure and producer diversity. Volunteer presentation at the *47th Annual Meeting of the Society for Range Management*, held February 13-18, Colorado Springs, Colorado.

Birkenfeld, A.H.¹, and **D.L. Coppock**. 1994b. Adoption of range innovations in Utah. II: Influence of system, personal, and innovation attributes. Volunteer presentation at the *47th Annual Meeting of the Society for Range Management*, held February 13-18, Colorado Springs, Colorado.

Coppock, D.L., G.A. Rasmussen, and A.H. Birkenfeld¹. 1994. Technology transfer: Attitudes and values of ranchers/landowners. Invited presentation in a Technology Transfer Symposium at the *47th Annual Meeting of the Society for Range Management*, held February 13-18, Colorado Springs, Colorado.*

1993 (3 items)

Coppock, D.L. 1993. Co-moderator for a technical session on "History-Sociology". Session held on February 17 during the *46th Annual Meeting of the Society for Range Management*, Albuquerque, New Mexico.

Coppock, D.L., and S. Sovani. 1993. Effects of early supplementation on cattle growth and development under simulated pastoral management in Ethiopia. Volunteer presentation at the *46th Annual Meeting of the Society for Range Management*, held February 14-18, Albuquerque, New Mexico.*

Menwelet Atsedu³, J.K. Detling, and **D.L. Coppock**. 1993. Calf feeding ecology and resource management by Boran pastoralists in the southern Ethiopian rangelands. Volunteer presentation at the *46th Annual Meeting of the Society for Range Management*, held February 14-18, Albuquerque, New Mexico.

1992 (1 item)

Coppock, D.L., G.A. Rasmussen, G.K. Perrier, and J.R. Moris. 1992. Towards a farming systems research approach in rural Utah. Volunteer poster presented at the *12th annual symposium of the Association for Farming Systems Research/Extension*, East Lansing, Michigan, 13-18 September.

1991 (3 items)

Coppock, D.L. 1991a. Research, development, and change in a semi-arid pastoral ecosystem: Observations from Ethiopia 1982-90. Volunteer presentation at the *45th Annual Meeting of the Society of Range Management*, Washington, D. C., January 11-17.

Coppock, D.L. 1991b. Interactions among ecological, economic, and social factors in semi-arid Ethiopia: Relevance for pastoral development and change. Invited presentation for the *International Range Management Seminar Series*, Utah State University, Logan, February 20.*

Coppock, D.L., J.D. Reed, Menwyelet Atsedu³, and Mulugeta Assefa³. 1991. Evaluation of *Acacia* forages for improved livestock feeding in Ethiopia. Volunteer poster presented at the *IVth International Rangeland Congress*, Montpellier, 22-26 April.

1979-1990 (13 items)

Coppock, D.L., and P.R.N. Chigaru. 1987. Transition from systems to commodity research at ILCA: Perspectives on cattle production studies for 1988-92. Volunteer presentation given at the *14th Scientific Conference of the Tanzania Society of Animal Production*, December 3-5, Arusha.

Swift, D.M., J.E. Ellis, K. Galvin, J.T. McCabe, **D.L. Coppock**, and P.W. Leslie. 1985. Ecology of nomadic Turkana pastoralists: patterns of response to drought. Invited presentation given at *Arid Lands Today and Tomorrow, an International Arid Land Research and Development Conference*, October 20-25, Tucson.*

Detling, J.K., **D.L. Coppock**, and E.L. Painter. 1984. Comparative physiological ecology of populations of several North American grass species with different grazing histories. Volunteer presentation, *Annual Meeting of the Ecological Society of America*, Colorado State University, Fort Collins.

Ellis, J.E., M.B. Coughenour, **D.L. Coppock**, K.A. Galvin, D.M. Swift, and J.T. McCabe. 1984. Patterns of energy extraction and utilization in a pastoral ecosystem. Volunteer poster, *Annual Meeting of the Ecological Society of America*, Colorado State University, Fort Collins.

Coppock, D.L., D.M. Swift, and J.E. Ellis. 1983. Seasonal patterns of nitrogen and energy balance of livestock in a nomadic pastoral ecosystem. Volunteer presentation, *Annual Meeting of the Ecological Society of America*, University of North Dakota, Grand Forks.

Coppock, D.L., J.E. Ellis, and D.M. Swift. 1983. Livestock feeding ecology and nutritional dynamics in a semi-arid ecosystem. Invited presentation in a symposium entitled “Human Ecology and the Ecosystem in a Predevelopment Pastoral Society.” *Annual Meeting of the American Association for the Advancement of Science*, Detroit.*

Coppock, D.L., and K.A. Galvin. 1983. Livestock ecology and human diet in a nomadic pastoral ecosystem. Invited presentation for the *University of Wyoming Seminar Series in Biology*, Laramie.*

Detling, J.K., E.L. Painter, and **D.L. Coppock**. 1982. Defoliation responses of western wheatgrass populations with diverse histories of prairie dog grazing. Volunteer presentation at the *Annual Meeting of the Society for Range Management*, Calgary, Alberta, Canada.

Coppock, D.L., J.E. Ellis, and D.M. Swift. 1982. The trophic ecology of grazing and browsing livestock in a nomadic pastoral ecosystem. Volunteer presentation, *Annual Meeting of the Ecological Society of America*, Pennsylvania State University, State College.

Ellis, J.E., **D.L. Coppock**, D.M. Swift, J. Wienpahl, and J.T. McCabe. 1981. The consequences of livestock forage niche separation for human nutrition in a nomadic pastoral ecosystem. Volunteer presentation, *Annual meeting of the Ecological Society of America*, Indiana University, Bloomington.

Coppock, D.L., and J. Bock. 1980. Effects of prescribed burning on bison- prairie dog interactions in a mixed-grass prairie. Invited presentation, *Meeting of the Guild of Rocky Mountain Population Biologists*. University of Colorado Alpine Research Station.*

Coppock, D.L. 1980. Bison/prairie dog/plant interactions in a northern mixed-grass prairie. Volunteer presentation, *Annual meeting of the Ecological Society of America*, University of Arizona, Tucson.*

Coppock, D.L., J.K. Detling, J.L. Dodd, and M.I. Dyer. 1979. Bison/prairie dog/plant interactions in Wind Cave National Park, South Dakota. Volunteer presentation, *Second Conference for Scientific Research in the National Parks*, San Francisco.

Popular Articles (20 items total; 1 with graduate-student co-author; 4 with mentee co-authors; 4 with post-doctoral co-authors)

LaMalfa, E³, and **D.L. Coppock**. 2005 (b). Rebuilding the capacity to burn: Community development and rangeland productivity. Pages 8-11 in the Spring Issue of *Ruminations—Newsletter of the Global Livestock Collaborative Research Support Program*. University of California, Davis.

Buttolph, L¹, and **D.L. Coppock**. 2005. Project alpaca. *International Camelid Quarterly* 4(1): 41-

48.

Desta, S.², **Coppock, D.L.**, Aboud, A.³, Tezera, S.³, Gebru, G.², and D. Amosha³ (eds.) 2003. *PARIMA UPDATE: Newsletter of the Pastoral Risk Management Project of the GL-CRSP*. Volume 2, no. 1. Published in English, Oromifa, and Kiswahili. Published by the PARIMA project in Nairobi, Kenya. 9 pp.

Tezera, S.³, S. Desta², and **D.L. Coppock**. 2003. Improved pastoral livelihood security through education—experiences of the PARIMA project in southern Ethiopia. Pages 3-5 in the Winter Issue of *Ruminations—Newsletter of the Global Livestock Collaborative Research Support Program*. University of California, Davis. 7 pp.

Coppock, D. L., J.T. McCabe, M.A. Little, and M.B. Coughenour. 2002. Jim Ellis and the South Turkana Ecosystem Project. Pages 4-5 in the Summer Issue of *Ruminations—Newsletter of the Global Livestock Collaborative Research Support Program*. University of California at Davis. 20 pp.

Desta, S.², and **D.L. Coppock**. 2002. *PARIMA UPDATE. Newsletter of the Pastoral Risk Management Project of the GL-CRSP. Global Livestock Collaborative Research Support Program*, Utah State University. Volume 1, Number 1 (April). 6 pp. (versions in English, Kiswahili, and Oromifa).

Desta, S.², and **D.L. Coppock**. 2002. Linking Ethiopian and Kenyan pastoralists and strengthening cross-border collaboration. Pages 4-7 in the Spring Issue of *Ruminations—Newsletter of the Global Livestock Collaborative Research Support Program*. University of California, Davis. 16 pp.

Coppock, D.L. 2001. The case of San José Llanga: A synthesis of research. Pages 10-14 in the Winter Issue of *Ruminations—Newsletter of the Global Livestock Collaborative Research Support Program*. University of California, Davis. 20 pp.

Coppock, D.L. 1999. Biennial research and outreach workshop in Addis Ababa. Pages 5, 11-12 in the Fall Issue of *Ruminations—Newsletter of the Global Livestock Collaborative Research Program*. University of California, Davis. 20 pp.

Yirgu, T.³, and **D. L. Coppock**. 1999. Risk management among the Guji of southern Ethiopia--Lack of preparedness indicates high vulnerability for next drought. Pages 1, 9-10 in the Fall Issue of *Ruminations—Newsletter of the Global Livestock Collaborative Research Support Program*. University of California, Davis. 20 pp.

Coppock, D.L. 1998. USU PhD student wraps-up research in Cosapa, Bolivia. Pages 3-4, 9 in the Fall Issue of *Ruminations—Newsletter of the Small Ruminant/Global Livestock Research Support Program*. University of California, Davis. 16 pp.

Coppock, D.L. 1998. First outreach workshop on improving pastoral risk management on East African rangelands held in Addis Ababa. Page 8 in the Fall Issue of *Ruminations—Newsletter of the Small Ruminant/Global Livestock Research Support Program*. University of California, Davis. 16 pp.

Coppock, D.L. 1998. Review of Utah State University's involvement in the Global Livestock Collaborative Research Support Program—headed "East Africa" on page 26 in the Fall Issue of *Utah Science* 59(1). Utah Agricultural Experiment Station, Utah State University, Logan. 28 pp.

Coppock, D.L. 1998. Desta completes Borana pastoral studies in Ethiopia. Pages 1,8 in the Spring Issue of *Ruminations—Newsletter of the Small Ruminant/Global Livestock Collaborative Research Support Program*. University of California, Davis. 8 pp.

Coppock, D.L. 1998. Viability of forming community credit unions among pastoralists in southern Ethiopia assessed. Pages 3-4 in Summer Issue of *Ruminations—Newsletter of the Small Ruminant/Global Livestock Collaborative Research Support Program*. University of California, Davis. 8 pp.

Coppock, D.L. 1993. Pastoral women harvest hay for calves. Invited article in the *Newsletter of the Information Centre for Low-External Input and Sustainable Agriculture (ILEIA)*, 9(3): 16-17.

Coppock, D. L. 1990. Water and forage development interventions: More benefits to pastoral women or their calves? *ILCA Newsletter* 9 (1): 3-4, 9 (research brief). International Livestock Centre for Africa, Addis Ababa.

Coppock, D.L. 1990. Bush control: Opportunity for resource management and pastoral income generation? *ILCA Newsletter* 9 (3): 10-11 (research brief). International Livestock Centre for Africa, Addis Ababa.

Coppock, D.L. 1989. Meeting prioritizes rangeland research in Ethiopia. *ILCA Newsletter* 8 (1): 10. International Livestock Centre for Africa, Addis Ababa.

Coppock, D.L. 1989. Bigger calves make better cows: Fact or fantasy in variable environments? *ILCA Newsletter* 8 (4): 1-3 (cover story). International Livestock Centre for Africa, Addis Ababa.

Documentary Films (3 items total)

Caputo, R. 2010. PARIMA: Pastoral Risk Management in Southern Ethiopia (in English). A 15-minute DVD produced by M.W. Demment and S.N. Johnson. **D.L. Coppock** assisted with credits and background information. <http://www.vimeo.com/12800413>

Caputo, R. 2010. PARIMA: Pastoral Risk Management in Southern Ethiopia (in the Oromifa language). A 15-minute DVD produced by M.W. Demment and S.N. Johnson. **D.L. Coppock** assisted with credits and background information. <http://www.vimeo.com/20758694>

Tessema, D. 2010. The Story of PARIMA: Improving Risk Management and Human Welfare among Pastoral and Agropastoral Peoples (in English). A 32-minute DVD co-produced by **D.L. Coppock**, S. Desta, S. Tezera, and G. Gebru. <http://www.vimeo.com/21075625>

Miscellaneous, Non Peer-Reviewed Technical Reports and Training Manuals (7 items total; 2 with mentee co-authors; 1 with post-doctoral co-author)

LaMalfa, E³., G. Gebru², D. Amosha³, and **D.L. Coppock**. 2008. Guidelines for monitoring the effects of prescribed fire in the Borana rangelands of Ethiopia. *Unpublished report*. CARE-Ethiopia Pastoral Livelihoods Initiative (PLI). 30 pp.

LaMalfa, E³., and **D.L. Coppock** (eds. and compilers). 2005. Use of Prescribed Fire in Rangeland Management. *Training Manual for a Short-Course* held 20-26 February at the Southern Rangelands Development Unit (SORDU). Yabelo, Ethiopia. 241 pp.

Coppock, D.L., B. Godfrey, J. MacAdam, and R. Whitesides (compilers). 1997. Private Grazing Lands Workshop: Preliminary Summary of Deliberations. *Unpublished mimeo*, Utah State University, Logan. 20 pp.

Coppock, D.L. 1995. Synthesis. Pages xi-xv in *Utah Private Grazing Lands Research & Development: Technical White Paper* (Compilers D.L. Coppock, J. Egelund, and B. Miller). Unpubl. report commissioned by the Director, Utah Agricultural Experiment Station, Logan. 149 pp.

Coppock, D.L., and R.D. Ramsey. 1995. Privately owned forage resources in Utah: A land-use perspective. Pages 1-43 in *Utah Private Grazing Lands Research & Development: Technical White Paper* (Compilers D.L. Coppock, J. Egelund, and B. Miller). Unpublished report commissioned by the Director, Utah Agricultural Experiment Station, Logan. 149 pp.

Ellis, J.E., and **D.L. Coppock**. 1984. Vegetation patterns in Ngisonyoka Turkana. Appendix II, pages 315-330 In *Turkana Nomadism: Adaptation to an Unpredictably Varying Environment* (Eds. R. Dyson Hudson and J.T. McCabe). *Human Relations Area Files, New Haven*. ca. 350 pp.

Coppock, D L., J.K. Detling, and M.I. Dyer. 1980. *Interactions among bison, prairie dogs, and vegetation in Wind Cave National Park*. Unpublished report to the U.S. National Park Service, Hot Springs, South Dakota. 177 pp.

USAID and EPA Project Reporting (20 items total; 1 with graduate-student co-author; 3 with mentee co-authors; 5 with post-doctoral co-authors)

Gebru, G.², S. Desta², and **D.L. Coppock** (editors and compilers). 2009. *Summary of the PARIMA 2009 Annual Meeting*, held 9-12 June 2009 at Marsabit, Kenya . *Unpublished report*. Utah State University. 27 pp.

Coppock, D.L., S. Desta², G. Gebru², E. LaMalfa³, and G. Getachew³ (compilers). 2008. Summary of the PARIMA 2008 Annual Meeting, held 16-19 March 2008 at Yabelo, Ethiopia. Unpublished report. 31 pp.

Gebru, G.², Desta, S.², and **D.L. Coppock** (eds.) 2004. Pastoralism in Ethiopia and the policy environment: Linking research, development actors, and decision-makers. *Summary of proceedings for a meeting held 15 August, 2003, at the International Livestock Research Institute, Addis Ababa, Ethiopia. Summary Proceedings Report* produced by the Pastoral Risk Management (PARIMA) Project of the Global Livestock Collaborative Research Support Program (GL-CRSP). Utah State University, Logan, Utah, USA. 30 pp.

Tadecha, C.³, Desta, S.², Tezera, S.³, Gebru, G.², Amosha, D.³, and **D.L. Coppock** (eds.). 2004. *Proceedings of the Fourth Cross-Border Collaboration, Activity Harmonization, and Information Sharing Workshop for Kenya and Ethiopia*. Held 29-30 February at the Southern Rangelands Development Unit (SORDU), Yabelo, Ethiopia. Published by the PARIMA Project, Addis Ababa, Ethiopia. 30 pp.

Coppock, D.L. 2004. Improving pastoral risk management on East African rangelands. Pages 36-80 in *2003 Annual Report for the Global Livestock Collaborative Research Support Program*. University of California, Davis. 267 pp.

Coppock, D.L. 2003. Improving pastoral risk management on East African rangelands. Pages 26-46 in *2002 Annual Report for the Global Livestock Collaborative Research Support Program (GL-CRSP)*. University of California at Davis. 204 pp.

Coppock, D.L. 2002. Improving pastoral risk management on East African rangelands. Pages 30-60 in *2001 Annual Report for the Global Livestock Collaborative Research Support Program (GL-CRSP)*. University of California at Davis. 204 pp.

Desta, S.², S. Tezera³, G. Gebru², C. Tadecha³, D. Amosha³, S. Adi³, I. Adan³, and **D.L. Coppock** (eds.) 2003. *Proceedings of the Third Cross-Border Collaboration, Activity Harmonization, and Information Sharing Workshop*. Held 16-17 December, 2002, at the Conference Hall of the Southern Rangelands Development Unit (SORDU), Yabelo, Ethiopia. 36 pp.

Coppock, D.L. 2001. Improving pastoral risk management on East African rangelands. Pages 91-115 in *2000 Annual Report for the Global Livestock Collaborative Research Support Program (GL-*

CRSP). University of California at Davis. 216 pp.

Coppock, D.L. (ed.) 2001. Second Biennial Research and Outreach workshop for Kenya and Ethiopia—Improving Pastoral Risk Management on East African Rangelands. *Summary of Proceedings*. Held 24 June to 3 July, 2001, at Egerton University, Njoro, Kenya. USAID GL-CRSP (Global Livestock Collaborative Research Support Program). Utah State University, Logan. 156 pp.

Coppock, D.L. 2000. Improving pastoral risk management on East African rangelands. Pages 95-113 in *1999 Annual Report for the Global Livestock Collaborative Research Support Program (GL-CRSP)*. University of California at Davis. 264 pp.

Coppock, D.L. 2000. Improving pastoral risk management on East African rangelands. Abstract on pages 13-14 in S. Johnson (ed), *Proceedings of the Year 2000 International Conference of the Global Livestock Collaborative Research Support Program (GL-CRSP)*, held March 15-18 at Autlan de Navarro, Jalisco, Mexico. Published by the Universidad de Guadalajara (Centro Universitario Costa Sur--Instituto Manantlan de Ecología y Conservación de la Biodiversidad, and the Management Entity of the GL-CRSP, University of California, Davis. 75 pp.

Coppock, D.L. 1999. Improving pastoral risk management on East African rangelands. Pages 71-97 in *1998 Annual Report for the Global Livestock Collaborative Research Support Program (GL-CRSP)*. University of California, Davis. 253 pp.

Jacobs, M.J.¹, and **D.L. Coppock**. 1999. A review of change in rangeland vegetation and livestock populations for northern Kenya and southern Ethiopia, ca. 1970-1994. *GL-CRSP Pastoral Risk Management Project Technical Report No. 05/99*. Utah State University, Logan. 15 pp.

Coppock, D.L. (Ed.) 1999. First Biennial Research and Outreach Workshop for Ethiopia and Kenya—Improving Pastoral Risk Management on East African Rangelands. *Summary of Proceedings*. Held 27-29 July, 1999, at the International Livestock Research Institute (ILRI), Addis Ababa, Ethiopia. GL-CRSP (Global Livestock Collaborative Research Support Program). Utah State University, Logan. 53 pp.

Coppock, D.L. 1998. Constraints for improved land and animal management among beef cattle producers in Utah. Final report to the Ruminant Livestock efficiency Program of the U.S. Environmental Protection Agency, Washington, D.C. 66 pp.

Coppock, D.L. 1997. Diversification of livestock assets for pastoral risk management and regional development in East Africa. Pages 140-156 in *1997 Annual Report for the Small Ruminant/Global Livestock Research Support Program (SR/GL-CRSP)*. University of California, Davis. 341 pp.

Coppock, D.L. 1997. Annual report for Bolivia – Sustainable agropastoral systems on marginal lands: range ecology and range animal nutrition. Pages 97-103 in *1996 Annual Report for the Small Ruminant Collaborative Research Support Program (SR-CRSP)*. University of California,

Davis. 222 pp.

Coppock, D.L. 1997. Annual report for Ethiopia – Banking livestock capital for pastoral risk management in Ethiopia. Pages 104-109 in *1996 Annual Report for the Small Ruminant Collaborative Research Support Program (SR-CRSP)*. University of California, Davis. 222 pp.

Coppock, D.L. 1996 Annual report for Bolivia: Range ecology and range animal nutrition. Pages 90-118 in *1995 Annual Report for the Small Ruminant Collaborative Research Support Program (SR-CRSP)*. Published by Management Entity SR-CRSP, University of California, Davis. 159 pp.

TEACHING, ADVISING, AND MENTORING

Formal Courses Taught at Utah State University (including credit hours and average enrollment):

2011—13 ENVS 6840/7840, Graduate Orientation Seminar (1 semester credit; 8 enrolled)

2011 ENVS 4960, Undergraduate Directed Readings—Environment and Society (3 semester credits; 1 enrolled)

2007—13 ENVS 3330, Environment and Society (3 semester credits; 50 enrolled)

2007 ENVS 6900, Graduate Study Abroad—Kenya (3 semester credits; 6 enrolled)

2007-8 ENVS 4950, Undergraduate Study Abroad—Ethiopia (3 semester credits; 4 enrolled)

2006 ENVS 7910, Graduate Directed Readings—African Governance and Leadership (2 semester credits; 1 enrolled)

2005-9 ENVS 6000/7000, Graduate Human Dimensions Research Theory (3 semester credits; 8 enrolled)

2004-8 ENVS 6700/7700, Graduate Human Dimensions Research Approaches (3 semester credits; 6 enrolled)

2004-5 ENVS 6810, Graduate Human Dimensions Research Applications (3 semester credits; 4 enrolled)

2007 ENVS 6800, Graduate Departmental Seminar (1 semester credit; 25 enrolled)

2001-2 RLR 5410, Vegetation Analysis for Livestock and Wildlife (3 semester credits; 10 enrolled)

1998-2002 RLR 6800, Graduate Departmental Seminar (1 semester credit; 25 enrolled)

- 1993-5** RLR 776, Range Animal Nutrition Techniques (2 quarter credits; 10 enrolled)
- 1992-4** RLR 775, Range Animal Nutrition (3 quarter credits; 5 enrolled)
- 1992-2003** NR 360/3600, Quantitative Assessment for Natural Resources (4 quarter credits/3 semester credits; 60 enrolled)

GRADUATE STUDENTS

Graduate Students Supervised at Utah State University (1992-2013):

Birkenfeld, Alan. 1994. Diversity and innovation adoption among Utah public land permittees. M. Sc. Thesis, Department of Rangeland Resources. 143 pp. (Recipient of the 1995 Don Dwyer Award for Excellence in the Department of Rangeland Resources).

Published one paper in a peer-reviewed journal with Birkenfeld.

Peterson, Regina. 1997. Coping strategies of Utah grazing permittees under economic and social pressure. M.Sc. Thesis, Department of Rangeland Resources. 131 pp.

Published one paper in a peer-reviewed journal with Peterson.

Buttolph, Lita. 1998. Rangeland dynamics and pastoral development in the high Andes: The camelid herders of Cosapa, Bolivia. PhD dissertation, Department of Rangeland Resources. 294 pp. (Recipient of the 1999 Don Dwyer Award for Excellence in the Department of Rangeland Resources).

Published two papers in peer reviewed journals with Buttolph, plus another article in a popular magazine.

Desta, Solomon. 1999. Diversification of livestock assets for risk management in the Borana pastoral system of southern Ethiopia. Ph.D. dissertation, Department of Rangeland Resources. 189 pp.

Published three papers in peer-reviewed journals with Desta based on his dissertation. As a peer mentor during Desta's post-doctoral assignments with USU from 1998-2009, we have published another paper in a peer-reviewed journal, three book chapters and monographs, as well as 24 research briefs and proceedings papers.

Jacobs, Michael. 1999. Influence of grazing, fire and rainfall regime on plant species dynamics in an Ethiopian perennial grassland. Ph.D. dissertation, Department of Rangeland Resources. 174 pp. (Recipient of the 1998 Robins Award for Outstanding Graduate Research Assistant at Utah State University)

Mike Jacobs and his partner, another graduate student named Cathy Schloeder, came to USU with their own research support and research projects conceptualized. They therefore produced their own

co-authored, peer-reviewed publications following attainment of their degrees. Coppock is not a co-author on any of these, despite having been Mike's dissertation supervisor. If Coppock could do this over again he would have co-authored some work with Mike, but "it is what it is." There is continuing collaboration, however. Coppock provided key input in helping Mike secure an influential post with Texas A&M in Afghanistan, where he and Cathy have thrived. There is also collaboration on a symposium for the Society for Range Management concerning "Women as Change Agents in the World's Rangelands," to be held in 2013 at Oklahoma City. Coppock is the organizer of that symposium. Cathy and Mike will present work from Afghanistan during that symposium.

Sainsbury, Louise. 2001. Intensification in a risky environment: The case of improving private grazing land for beef production in Utah. M.Sc. thesis, Department of Rangeland Resources. 344 pp.

Published one paper in a peer-reviewed journal with Sainsbury.

Thomas, Marianne. 2006. Building sustainable recreation-planning decisions on federal lands: The role of "authentic" public participation in southern Utah. M.Sc thesis, Department of Environment and Society. 141 pp.

Marianne Thomas had a small, unfunded research project, and the topic was outside of my main area of expertise. Neither Ms. Thomas, nor a lead expert on the topic from her supervisory committee, have been able or willing to produce a draft a manuscript from her work. I may get to this once other priorities are out of the way.

Kebede, Almaz. 2009. Sustaining the Allideghi grasslands of Ethiopia: Influences of pastoralism and vegetation change. Ph.D. dissertation, Department of Wildland Resources. 318 pp.

One paper with Kebede will be submitted shortly to a peer-reviewed journal, and two more are in preparation.

Huckett, Stephen. 2010. A comparative study to identify factors affecting adoption of soil and water conservation practices among smallhold farmers in the Njoro river watershed of Kenya. Ph.D. dissertation, Department of Environment and Society.

One paper with Huckett for a peer-reviewed journal is currently in preparation. Published three papers in proceedings volumes with Huckett.

Fubusa, Yared. 2010. Conservation from the bottom-up: Human, financial, and natural capital as determinants of resilient livelihoods in Kigoma Rural, Tanzania. Ph.D. dissertation, Department of Environment and Society.

Papers for peer-reviewed journals from the dissertation are still on the drawing board.

Thorley, Margaret. 2011. Linked human health and ecological impacts of community design: Overview of literature and implications for research. M.S. thesis (Plan B), Department of Environment and Society.

Meg Thorley undertook a small, unfunded research project (outside of my area of expertise) and the literature review she prepared for her thesis as the output will not constitute sufficient material for a peer-reviewed publication. We did, however, collaborate on a review of rangeland drought modeling and climate-prediction activities for the western US, and we may develop that into an article together.

McAllister, Jessica. 2013- Sustainable livelihoods in Peru. M.S. thesis, in progress.

Jessica McAllister is enrolled in the Peace Corps Master's International Program at USU in Human Geography. Her country assignment is Peru, and she is traveling there in October, 2013. Her specific research topic has yet to be decided upon.

Graduate Students Mentored at ILCA (1986-1990)

Holden, Sarah. 1988. Dairy marketing and pastoralism: Implications for development in the southern Ethiopian rangelands. M.Sc. Thesis. Dept. of Agricultural Economics and Management, Reading University, United Kingdom. 111 pp. University advisor: Prof. Martin Upton.

Published two papers in peer-reviewed journals with Holden, as well as a conference proceedings paper. Her university advisor had no involvement in this work. My co-authorship with Holden illustrates my strong role as her research mentor.

Solomon Kebede. 1988. A study of range vegetation at Sarite ranch in southern Ethiopia, with particular emphasis on the woody shrubs *Acacia seyal* and *Acacia horrida*. M.A.Sc. Thesis. Dept. of Wool and Animal Science, University of New South Wales, Kensington, Australia. 255 pp. University advisor: Dr. Gordon King.

No published papers came out of the work by this student. Too bad—it was good work. This research was summarized, however, in Coppock (1994) listed above.

Yohannes Alemseged. 1989. Introducing tropical legumes into the southern rangelands of Ethiopia. M.A.Sc. Thesis. Dept. of Wool and Animal Science, University of New South Wales, Kensington, Australia. 185 pp. University advisor: Dr. Gordon King.

Published two papers in peer-reviewed journals with Alemseged and his university advisor. This illustrates my strong role as a research mentor.

Tamene Yigezu. 1990. Population dynamics of the problem shrubs *Acacia drepanolobium* and *Acacia brevispica* in the southern rangelands of Ethiopia. M.A.Sc. Thesis. Dept. of Wool and Animal Science, University of New South Wales, Kensington, Australia. 288 pp. University advisor: Dr. Gordon King.

No published papers came out of the work by this student. Too bad—it was good work. This research was summarized, however, in Coppock (1994) listed above.

Mulugeta Assefa. 1990. Borana cattle herds: Productivity, constraints, and possible interventions. M.Sc. Thesis. Dept. of Range Science, Colorado State University, Fort Collins, Colorado, U.S.A. 155 pp. University advisor: Dr. David Swift.

Published one paper in a peer-reviewed journal and one in a conference proceedings with Assefa and another former graduate student. The university advisor had little involvement in this aspect of his research work. This illustrates my strong role as a research mentor.

Menwyelet Atsedu. 1990. Ecology of calf pastures and supplementary feeding by Borana pastoralists of southern Ethiopia. M.Sc. Thesis. Dept. of Range Science, Colorado State University, Fort Collins, Colorado, U.S.A. 117 pp. University advisor: Dr. James Detling.

Published one paper in a peer-reviewed journal with Atsedu and his university advisor. This illustrates my strong role as a research mentor.

Solomon Dessalegn. 1992. Bush encroachment in the southern Ethiopian rangelands: Prospects for control using fire and chemical or mechanical techniques. M.A.Sc. Thesis. Dept. of Wool and Animal Science, University of New South Wales, Kensington, Australia. University advisor: Dr. Gordon King.

No published papers came out of the work by this student.

UNDERGRADUATE STUDENTS

Recent Undergraduate Advising and Mentoring Roles at Utah State University:

- 2011—13** Faculty advisor, Environmental Studies Degree; in this role I am responsible for advising 35 to 65 undergraduates depending on the year.
- 2009** Faculty advisor and mentor for **Ms. Leah Hazlett**, who completed an undergraduate student internship at the USAID Mission in Addis Ababa, Ethiopia, from June to August of 2009 for six semester credits.
- 2005-7** Faculty Advisor, Student Organization for Society and Natural Resources (SOSNR), Department of Environment and Society

PROFESSIONAL SERVICE

- 2013** Symposium organizer and co-chair, International Affairs Committee, Society for Range Management
- 2012** Symposium organizer for the International Affairs Committee, Society for Range Management

- 2012** Member, quinquennial post-tenure review committee for Dr. Roger Banner, Associate Professor and Range Extension Specialist, Department of Wildland Resources, Utah State University
- 2011—13** Member, Tenure & Promotion Committee for Dr. Carlos Licon, Assistant Professor in the Department of Landscape Architecture & Environmental Planning, Utah State University.
- 2010-11** Interim associate dean, College of Natural Resources, Utah State University
- 2010-11** Search committee member, position of sustainable living specialist, Department of Environment and Society, Utah State University
- 2010—13** Editorial board member, *Nomadic Peoples*
- 2009-10** Search committee member, position of regional economist, Department of Applied Economics, Utah State University
- 2008-9** Search committee member, position of natural resource policy specialist, Department of Environment and Society, Utah State University
- 2008—12** Member, Tenure & Promotion Committee for Dr. Ann Laudati, Assistant Professor in the Department of Environment and Society, Utah State University.
- 2007—13** Member, International Affairs Committee, Society for Range Management
- 2007—11** Member, Tenure & Promotion Committee for Dr. Chris Monz, Assistant Professor in the Department of Environment and Society, Utah State University.
- 2006-7** Search committee chair, position of sustainable living specialist, Department of Environment and Society, Utah State University
- 2006-7** Search committee member, position of department head, Department of Environment & Society, Utah State University
- 2006-8** Member, Tenure & Promotion Committee for Dr. Maki Hatanaka, Assistant Professor in Sociology, Social Work and Anthropology, Utah State University.
- 2006** External peer reviewer, tenure and promotion decision for a candidate at a western Land Grant university
- 2005—12** Chair, Tenure & Promotion Committee for Dr. Claudia Radel, Assistant Professor in

the Department of Environment and Society, Utah State University.

- 2005-10** Member, graduate affairs committee, College of Natural Resources, Utah State University
- 2005** Search Committee Member, position of dean for the College of Natural Resources, Utah State University.
- 2004** Search committee member, position of social change, Department of Sociology, Social Work & Anthropology, Utah State University.
- 2004-6** Member, International Academic Advisory Board/International Program Coordinating Committee (IAAB/IPCC), Utah State University
- 2004-5** Member (alternate), faculty advisory board, Bioregional Planning Program, Department of Environment and Society, Utah State University
- 2003—13** Member, faculty advisory board, The Ecology Center, Utah State University
- 2002-7** Chair, Technical Coordination Committee (TCC), Global Livestock Collaborative Research Support Program, University of California, Davis.
- 2002-5** Member, Institutional Review Board (IRB), Utah State University.
- 2002-3** Member, graduate affairs committee, College of Natural Resources, Utah State University
- 2001-6** Member, Tenure & Promotion Committee for Dr. Ron Ryel, Assistant Professor in in the Departments of Forest, Range & Wildlife Sciences/Wildland Resources, Utah State University
- 2001-4** Member, faculty senate, Utah State University
- 1999-2007** Chair, Tenure & Promotion Committee for Dr. Nicole McCoy, Assistant Professor in the Departments of Rangeland Resources/Environment and Society, Utah State University
- 1999** Search Committee Chair, position of natural resources economist, Department of Rangeland Resources, Utah State University.
- 1998-2003** Member, Tenure & Promotion Committee for Dr. Paul Box, Assistant Professor in the Departments of Geography and Earth Resources/Aquatic, Watershed, and Earth Resources, Utah State University

- 1998-2001** Member, faculty review committee (aka Robin's Award committee), Utah State University
- 1996** Chair, International Affairs Committee, Society for Range Management.
- 1994-7** Coordinator of the pasture committee, Agricultural Experiment Station, Utah State University
- 1992-2002** Member, Don Dwyer Award Committee, Department of Rangeland Resources, Utah State University
- 1992-9** Member, core curriculum committee, College of Natural Resources, Utah State University
- 1992-2013** Peer reviewer for manuscripts and research proposals. Most of the research proposals are in the context of the Utah Agricultural Experiment Station, where I average about one proposal review every three years. The average annual number of peer reviews conducted for journal articles or book chapters is about four.

THE END