

# Tipiti: Journal of the Society for the Anthropology of Lowland South America

ISSN: 2572-3626 (online)

---

Volume 2 | Issue 1

Article 9

---

June 2004

## Darrell A. Posey (1947-2001)

Warren M. Hern

*University of Colorado at Boulder*

Follow this and additional works at: <http://digitalcommons.trinity.edu/tipiti>

 Part of the [Anthropology Commons](#)

---

### Recommended Citation

Hern, Warren M. (2004). "Darrell A. Posey (1947-2001)," *Tipiti: Journal of the Society for the Anthropology of Lowland South America*: Vol. 2: Iss. 1, Article 9.

Available at: <http://digitalcommons.trinity.edu/tipiti/vol2/iss1/9>

This Obituary is brought to you for free and open access by Digital Commons @ Trinity. It has been accepted for inclusion in Tipiti: Journal of the Society for the Anthropology of Lowland South America by an authorized editor of Digital Commons @ Trinity. For more information, please contact [jcostanz@trinity.edu](mailto:jcostanz@trinity.edu).

## OBITUARIES

### Darrell A. Posey (1947–2001)

**WARREN M. HERN**

Department of Anthropology, University of Colorado, Boulder

From the time he began his fieldwork among the Kayapó Indians of Brazil in 1977 until his death in March, 2001, Darrell Posey was as engaged with his chosen field of anthropology as one could be. Born and raised on a farm in rural Kentucky by a family with deep roots in American history and proud traditions, Darrell brought to this work an extraordinary preparation as an entomologist and geographer, with degrees in these fields from Louisiana State University. He then studied ecology with the legendary Eugene Odum while a graduate student in anthropology at the University of Georgia. In a little over 20 years from the time he received his Ph.D. in 1979 until he became terminally ill in 2000, Darrell had an enormous impact on the people around him as well as institutions and academic disciplines. According to various sources, he was the author or co-author of three books, editor or co-editor of four books, the author or co-author of some 154 articles and book chapters, and 22 book reviews. He assisted in the production of 15 documentary films and videos about the Kayapó and the Amazon. Beyond this prodigious output as a scholar, he was a teacher, an organizer, and an inspiration to many.

Appalled by the destructive potential of the proposed Xingu River hydroelectric project and what it would do to the native lands of the Kayapó, Darrell took two Kayapó leaders to New York City to protest the project and managed to convince the World Bank to withdraw its \$1 billion dollar funding for the project, a coup which got him in serious trouble with the Brazilian government and placed him in personal danger. He and his Kayapó colleagues were arrested with the charge that they were “harming the national reputation.” Encouraged by his success and unphazed by his unpopularity with the authorities, not to mention threats on his life, Darrell organized the First International Congress of Ethnobiology in Belém, Brazil in July, 1988. This landmark event resulted not only in the later origin of the International Society for Ethnobiology but more immediately in the Declaration of Belém, which asserted the human rights of native peoples and called for protection of their knowledge, use, and management of ecological resources. The response to this action was so universally positive that the Brazilian government decided not to harm its own reputation further and dropped the charges against Darrell

and his associates. Soon after, the International Sierra Club awarded the Chico Mendes Award for Extraordinary Courage in the Defense of Nature to Darrell.

In 1989, he founded the International Society for Ethnobiology and helped organize the “Altamira” gathering of Amazon tribes to protest the destruction of the rainforest. To their consternation and ill-concealed fear, Brazilian legislators in business suits were confronted with indigenous people in feather headdresses and war paint. At about this time, Darrell accepted a Humbolt Fellowship in Germany but continued his work in Brazil, founding the Institute of Ethnobiology in the Amazon based in Belém.

In 1992, Darrell became Special Adviser to the Brazilian Special Secretary on Internal Affairs and Indigenous Peoples. In the same year, he was made convenor and president of the Earth Parliament during the Earth Summit meeting in Rio de Janeiro. The next year, in 1993, he was awarded the United Nations Global 500 Award for Outstanding Achievement in Service to the Environment.

By this time, Darrell had become associated with Oxford University, where he coordinated ECOS (Ethnoecology: The Ecological and Social Dimensions of Well-Being) at the Institute of Social and Cultural Anthropology. He was on the faculty of the Mansfield College’s Centre for Environment, Ethics and Society (OCEES) and was an Associate Fellow at Linacre College. In 1999, he was elected Fellow of the Linnean Society of London. Darrell’s last book published during his lifetime is *Cultural And Spiritual Values of Biodiversity*, which was edited for the UN Environment Programme and published in 1999.

Beyond these remarkable academic and political accomplishments, Darrell Posey is remembered fondly by not just the Kayapó, whose cause he took as his own, but his many colleagues in the Americas and in Europe. Touching personal obituaries written for Darrell by his friends may be found in a variety of professional journals and periodicals such as *HerbalGram*, the *Journal of the American Botanical Council*, the *Times of London*, the *Journal of Ethnobiology*, and a moving tribute by his Brazilian colleague and co-author, Dr. Elaine Elizabetsky, who notes his passing with *muitos saudades*, a unique Brazilian expression of profound sorrow. Veronica Strang, in a newsletter published by the Association of Social Anthropologists at the University of Manchester, notes that “All of us will miss a charismatic, kindly and courageous friend.” Herbert Girardet, in his memorial in the *Guardian Unlimited*, called Darrell “a truly great man.”

Those of us who had the privilege of knowing Darrell personally share the view that he was a person of great energy and personal charm, who had the *joie de vivre* and who, in the spirit of the French Quarter, always wanted to *laissez le bon temps rouler*. One of the first things he did when I met him at an Amazon conference in Brazil was to give me several Mardi Gras necklaces with the injunction that they would bring me luck and help me have a good time in the Big Easy. He had a ready smile, a quick wit, a great laugh, and a

mischievous manner that brightened up the most serious academic conference and otherwise routine dinner.

In a book just published posthumously, which is reviewed elsewhere in this issue, Darrell's fundamental warmth, passion, and humanity is in full view along with his singular contribution as a scientist. He saw the Kayapó as a remarkable people and as remarkable individuals from whom he learned much. His riveting personal account of his first exhausting trek with the Kayapó that nearly ended in catastrophe as he was stranded in the Brazilian rainforest conveys his determination to be with these people no matter what and his awareness, as his Kayapó rescuers take him to safety through a torrential rainstorm, that *they* are the ones who really understand what it means to be a human being vulnerable to the world and its forces.

It is noted in various comments about Darrell Posey that he was controversial, not only in the view of the Brazilian government and developers who threatened the Amazon environment, but also among his professional colleagues. It is said that many did not like or agree with his irreverence for academic and professional boundaries, and that his political activism and determination to speak truth to power violated the sense of propriety and convention of some. But Darrell had a vision. He saw that what he learned from the Kayapó about their own ancient and complicated reality of the Amazon environment was too valuable to be lost either by the Kayapó, whom he respected profoundly as human beings, or by the rest of us. He saw that what was and still is threatened with destruction in the Amazon is not merely some trees and a few weird bugs but the web of life itself and the possibility—no, necessity—of harmonious human existence within it.

Darrell discovered some of the traditions and knowledge of the Kayapó that have permitted them to thrive in this incredibly complicated and dangerous environment without modern technology for thousands of years. He heard the tractors tearing the heart out of the jungle and saw and smelled the conflagration of burning forest that destroyed all, everything, in its path. Those of us who have also seen and experienced these things in the Amazon understand his passion. We understand why he could not stand by, return quietly to the academic environment, and husband his heaps of data. The Kayapó mattered to him, their other indigenous brethren in the Amazon mattered to him, the natural beauty and wonder of the Amazon mattered to him, and the principles mattered to him. That they should matter so much to all the rest of us.

January, 2004

**Partial Bibliography of Darrell A. Posey**  
**[Compiled by Jeffrey David Ehrenreich & Nicole Taylor]**

**Books and Monographs**

- 1974 *Ethnohistory of the Freejacks of the Fifth Ward Settlement*. M.S. thesis, Department of Anthropology, Louisiana State University.
- 1979 *Ethnoentomology of the Gorotire Kayapó of Central Brazil*. Ph.D. dissertation, Department of Anthropology, University of Georgia.
- 1982 *Ethnomethodology as an Emic Guide to Cultural Systems: The Case of the Insects and the Kayapó Indians of Amazonia*. Brazilia: Universidade de Brasilia.
- 1989 *Resource Management in Amazonia: Indigenous and Folk Strategies*. Advances in Economic Botany Series, Volume 7. Darrell A. Posey and William Balée, editors. Bronx, New York: New York Botanical Garden
- 1990a *Ethnobiology; Implications and Applications; Proceedings of the International Congress of Ethnobiology*. Volume 1. Darrell A. Posey and William Overal, editors.
- 1990b *Ethnobiology, Implications and Applications: Proceedings of the International Congress of Ethnobiology*. Volume 2. Darrell A. Posey and William Overal, editors.
- 1995 *Indigenous Peoples and Traditional Resource Rights: A Basis for Equitable Relationships?* Oxford: Green College for Environmental Policy and Understanding.
- 1996a *Beyond Intellectual Property: Towards Traditional Resource Rights for Indigenous Peoples and Local Communities*. Darrell A. Posey and Graham Dutfield, editors. Ottawa, Canada: IDRC.
- 1996b *Traditional Resource Rights: International Instrument for the Protection of Community Intellectual Property and Traditional Resource Rights*. Gland, Switzerland: IUCN and International Books.
- 1996c *Traditional Resource Rights: International Instruments for Protection and Compensation for Indigenous Peoples and Local Communities*. Gland, Switzerland: IUCN and International Books.
- 1996d *The Challenges of Ethnobiology in the 21<sup>st</sup> Century: Proceedings of the Second International Congress of Ethnobiology*. Pei Shengji, Su Yong-ge, Long Chun-lin, Ken Marr, and Darrell A. Posey, editors. Kunming, China: Chinese Academy of Sciences and Ylmnan Science and Technology Press.
- 1997 *Indigenous Peoples and Sustainability: Cases and Actions*. Gland, Switzerland: IUCN and International Books.
- 1999 *Le Marche mondial de la propriete intellectuelle*.
- 2000a *Cultural and Spiritual Values of Biodiversity*. London: United Nations Environmental Programme (UNEP), Intermediate Technology Press.
- 2000b *Cultural and Spiritual Values of Biodiversity: A Complementary Contribution to the Global Biodiversity Assessment*. ITDG Publishing. [United Nations Environmental Programme (UNEP)]
- 2002 *Kayapó Ethnoecology and Culture*. Kristina Plenderleith, editor. New York: Routledge.
- 2004a *Globalization, Globalism, Environments, and Environmentalism: Consciousness of Connections*. Steven Vertovec and Darrell A. Posey, editors. Oxford: Oxford University Press.
- 2004b *Indigenous Knowledge and Ethics: A Darrell Posey Reader*. Kristina Plenderleith, editor. New York: Routledge.
- 2005 *Human Impacts on Amazonia: The Role of Traditional Ecological Knowledge in Conversation and Development*. Michael J. Balick and Darrell A. Posey, editors. New York: Columbia University press.

## Articles

- 1976a "Entomological Considerations in Southeastern Aboriginal Demography." *Ethnohistory* 23(2):147-160.
- 1976b "Kayapó Controla Inseto com Uso Adequado do Ambiente." *Revista de Atualidade Indígena* 3(14):47-58.
- 1977 "An Ethnoentomological Perspective of the Southeastern Indian Belief System." *Human Mosaic* 11(1):1-10.
- 1978a "Ethnoentomological Survey of Amerind Groups in Lowland Latin America." *The Florida Entomologist* 61(4):225-229.
- 1978b (with Warwick E. Kerr and Wilson Walter Filho). "Cupá, ou Cipó-Babão, Alimento de Alguns Índios Amazônicos." *Acta Amazônica* 8(4):702-705.
- 1978c "Freejack Lore and Anomaly: A Study of the Fifth Ward Settlement of Southeastern Louisiana." *Kroeber Anthropological Society Papers* No. 52:66-71.
- 1979a "The Anthropologist and the Big Lips." *The Rainbow* 103(3):20-23.
- 1979b "Origin, Development and Maintenance of a Louisiana Mixed-Blood Community: The Freejacks of the Fifth Ward Settlement." *Journal of Ethnohistory* 26(2):177-193.
- 1979c "Pyka-tô-ti: Kayapó Mostra a sua Aldeia de Origem." *Revista de Atualidade Indígena* 3(14):50-57.
- 1979d "Kayapó mostra aldeia de origem." *Revista de Atualidade Indígena* 3(15):50-57.
- 1979e "Cisão dos Kayapó não impede crescimento populacional." *Revista de Atualidade Indígena* 3(16):52-58.
- 1979f "Social Name and Mixed-Blood Places: The Freejacks of the Fifth Ward Settlement." *The Florida Anthropologist* 32(1):8-16.
- 1980a "Algunas Observaciones Ethnoentomológicas sobre Grupos Amerindios en la América Latina." *América Indígena* 15(1):105-120.
- 1980b "Consideraciones etnoentomológicas sobre los grupos amerindios." *América indígena* 40(1):105-120.
- 1981a "Wasps, Warriors and Fearless Men: Ethnoentomology of the Kayapó Indians of Central Brazil." *Journal of Ethnobiology* 1(1):165-174.
- 1981b "Language Variation and Ethnicity in an American Tri-Racial Group." In *Aspects of Linguistic Variation: Proceedings of the Conference on Language Varieties*. S. Lander and K. Reah, editors. Sheffield, England: The Centre for English Cultural Tradition and Language, University of Sheffield, pp. 1-10.
- 1981c "Apicultura Popular dos Kayapó." *Revista de Atualidade Indígena* 20(1):36-41.
- 1981d "The Kayapó Origin of Night." *Journal of Latin American Indian Literatures* 5(2):59-63.
- 1982a "The Journey of a Kayapó Shaman." *Journal of Latin American Indian Literatures* 6(3):13-19.
- 1982b "Keepers of the Forest." *New York Botanical Garden Magazine* 6(1):18-24.
- 1982c "The Kayapó of the Brazilian Amazon." *Carnegie Magazine* (Carnegie Institute) 61(4):18-23.
- 1982d "Time, Space and the Interface of Divergent Cultures: The Kayapó Indians Face the Future." *Revista Brasileira de Antropologia* 25:89-104.
- 1982e "The Journey of a Kayapó Shaman." *Journal of Latin American Indian Literature* 6(3):13-19.
- 1982f "The Journey to Become a Shaman: A Narrative of Sacred Transition of the Kayapó Indians of Brazil." *Journal of Latin American Indian Literature* 7(1):13-19.
- 1982g "A Non-Lineal Universe and the Struggle for Survival." *Revista Brasileira de Antropologia*.
- 1982h "Nomadic Agriculture of the Amazon." *New York Botanical Garden Magazine* 6(1):18-24.

## 84 Warren M. Hern

- 1983a "Indigenous Ecological Knowledge in the Development of the Amazon." In *The Dilemma of Amazonian Development*. Emilio Moran, editor, pp. 225–257. Boulder, Colorado: Westview Press.
- 1983b (with E. Parker, L.F. da Silva, and J. Frechione). "Resource Exploitation in Amazonia: Ethnoecological Examples from Four Populations." *Annals of the Carnegie Museum* 52(8):163–203
- 1983c "Folk Apiculture of the Kayapó Indians of Brazil." *Biotrópica* 15(2):154–158.
- 1983d "The Importance of Bees to an Indian Tribe of Amazonia." *Florida Entomologist* 65(4):452–458.
- 1983e "Keeping of Stingless Bees by the Kayapó Indians of Brazil." *Journal of Ethnobiology* 3(1):63–73.
- 1983f "O Conhecimento Kayapó: Etnometodologia e Sistema Cultural." *Anuário Antropológico* 81:109–124.
- 1983g "Ethnomethodology as an Emic Guide to Cultural Systems: The Case of the Insects and the Kayapó Indians of Amazônia." *Revista Brasileira de Zoologia* 1(3):135–144.
- 1983h "Indigenous Knowledge and Development: An Ideological Bridge to the Future?" *Ciência e Cultura* 35(7):877–894.
- 1984a "Os Kayapó a Natureza." *Ciência e CulturaHoje* São Paulo: (SBPC) 12:36–41.
- 1984b "A Preliminary Report on Diversified Management of the Tropical Forest by the Kayapó Indians of the Brazilian Amazon." In *Advances in Economic Botany*. G. Prance, editor, 1:112–116. Bronx, New York: The New York Botanical Garden.
- 1984c (with J. Frechione, J.Eddins, and L.F. da Silva). "Ethnoecology as Applied Anthropology in Amazonian Development." *Human Organization* 43(2):95–107.
- 1984d "Keepers of the Campo." *New York Botanical Garden Magazine* 8(6):8–12, 32.
- 1984e (with Warwick E. Kerr). "Notas Adicionais sobre a Agricultura Kayapó." *Interciência* 9(6):392–400.
- 1984f "Hierarchy and Utility in a Folk Biological Taxonomic System: Patterns of Classification of Arthropods by the Kayapó Indians of Brazil." *Journal of Ethnobiology* 4(2):123–140.
- 1984g "Diversified Management of Tropical Ecosystems by Brazilian Indians." In *Suma Brasileira de Etnologia*. Rio de Janeiro: FINESP.
- 1984h "Hierarchy and Utility in a Folk Biological Taxonomic System: Patterns in Classification of Arthropods by the Kayapó Indians of Brazil." *Journal of Ethnobiology* 4:123–139.
- 1985a "Native and Indigenous Guidelines for New Amazonian Development Strategies: Understanding Biological Diversity Through Ethnoecology." In *Change in the Amazon Basin* Volume 1. John Hemming, editor, pp. 156–181. London: The Royal Geographic Society and Manchester University Press.
- 1985b (with J.M.F. Camargo). "Additional Information Regarding the Keeping of Stingless Bees (*Meliponinae*) by the Kayapó Indians of Brazil." *Annals of Carnegie Museum* 54(8):247–274.
- 1985c (with A.B. Anderson). "Manejo de Cerrado pelos Indios Kayapó." *Boletim do Museu Paraense Emílio Goeldi, Ser. Botânica* 2(1):77–98.
- 1985d "Indigenous Management of Tropical Forest Ecosystems: The Case of the Kayapó Indians of the Brazilian Amazon." *Agroforestry Systems* 3(2):139–158.
- 1985e "Ethnobiology: Philosophy and Methodology." *Los Ensayistas* 18/19:65–88.
- 1985f "Report from Gorotire: Will Kayapó Traditions Survive?" *Focus* 7(4):3.
- 1985g "Ethnoecology as Applied Anthropology in Amazonian Development." *Human Organization* 43(2):95–107.
- 1986a "Temas e Inquirições em Etnoentomologia: Algumas Sugestões Quanto à Geração e Teste de Hipóteses." *Boletim do Museu Paraense Emílio Goeldi, Ser. Antropologia* 2(2):99–134.
- 1986b "Ethnoecology and the Investigation of Resource Management by the Kayapó Indians of Gorotire, Brazil." Proceedings of the First International Symposium on the Humid Tropics 5:63–70. Belém, Pará: EMBRAPA. (Published in 1990).

- 1986c "Concepts of Health, Illness, Curing and Death in Relation to Medicinal Plants and the Appearance of the Messianic King on the Island of Lençóis, Maranhão, Brazil." In *The Amazon Caboclo: Historical and Contemporary Perspectives*. E. Parker, editor, pp. 279–313. Williamsburg, Virginia: College of William and Mary.
- 1986d "Topics and Issues in Ethnoentomology, with some Suggestions for the Development of Hypothesis Generation and Testing in Ethnobiology." *Journal of Ethnobiology (Special Volume: New Directions in Ethnobiology)* 6(1):99–120.
- 1986e "Introdução—Etnobiologia: Teoria e Prática." In *Suma Etnológica Brasileira, Vol. 1. Etnobiologia*. Darcy Ribeiro, editor, pp. 15–28. Petrópolis, Rio de Janeiro: Vozes/FINEP.
- 1986f "Manejo da Floresta Secundária, Capoeiras, Campos e Cerrados (Kayapó)." In *Suma Etnológica Brasileira, Volume 1. Etnobiologia*. Darcy Ribeiro, editor, pp. 173–188. Petrópolis, Rio de Janeiro: Vozes/FINEP.
- 1986g "Etnoentomologia dos Tribos Indígenas da Amazonia." In *Suma Etnológica Brasileira, Vol. 1. Etnobiologia*. Darcy Ribeiro, editor, pp. 251–272. Petrópolis, Rio de Janeiro: Vozes/FINEP.
- 1986h "Ethnoecology and the Investigation of Resource Management by the Kayapó Indians of Gorotire, Brazil." *lo Simpósio do Trópico Umido* 2(36):85–93. Belém, Pará: EMBRAPA/CEPATU.
- 1986i (with Elaine Elisabetsky). "Pesquisa Etnofarmacológica e Recursos Naturais no Trópico Umido: O Caso dos Índios Kayapó e suas Implicações para a Ciência Médica." *lo Simposio do Trópico Umido* pp. 85–93. Belém, Pará: EMBRAPA.
- 1986j "Hypothesis Generation and Testing in Ethnobiology and Ethnoentomology: The "Intellectual Bridge" Between Science and Cultures." *Proceedings of the 10<sup>th</sup> International Congress of the International Union for the Study of Social Insects* (18–22 August 1986). Munich: Springer Verlag.
- 1986k (with Alan B. Anderson). "Índios e a Natureza: Reflorestamento Indígena." *Ciência Hoje* (SBPC) 6(31):44–51.
- 1986l "Etnoentomologia dos índios Amazonicos." In *Suma Brasileira de Etnologia*. Rio de Janeiro: Vozes/FINESP.
- 1987a "An Ethnoentomological Survey of Brazilian Indians." *Entomologia Generalis* 12(2/3):190–202.
- 1987b "Temas e inquirições em etnoentomologia: algumas sugestões quanto a geração e teste de hipóteses." *Boletim de Museu Paraense Emília Goeldi, Série Antropológica* 3(2):99–134.
- 1987c "Hierarchy and Utility in a Folk Biological Taxonomic System: Patterns in Classification of Arthropods by the Kayapó Indians of Brazil." *Journal of Ethnobiology* 4(2):123–139.
- 1987d "Etnobiologia como uma Ciência Aplicada e seu Papel na Criação de Novos Modelos para Conservação na Amazônia." In *Homem e Natureza na Amazônia*. G. Kohlhepp, editor, pp. 95–108. Tübingen: Geographisches Institut.
- 1987e "Etnobiologia y ciência "Folk": su importancia para la Amazonia." *Hombre y Ambiente: El punto da vista indigena* 1(4):2–26.
- 1987f "Contact Before Contact: Typology of Post-Colombian Interaction with Northern Kayapó of the Amazon Basin." *Boletim de Museu Paraense Emílio Goeldi, Série Antropológica* 3(2):135–154.
- 1988a "Effects of Deforestation on the Kayapó Indians in Relation to Loss of Traditional Knowledge and Disruption of Indigenous Ecological Management Practices." A paper read at the 46<sup>th</sup> International Congress of Americanists Conference on Amazonia: Deforestation and Possible Effects. Amsterdam. (*Abstracts*, pp. 12–13).
- 1988b (with Alan B. Andersen). "Reforestación indígena." *Hombre y Ambiente El punto da vista indigena* 2(5):67–7.
- 1988c "Los Kayapó e la naturaleza." *Hombre Ambiente: El punto da vista indigena* 2(5):79–94.



## 86 Warren M. Hern

- 1988d "Kayapó Indian Natural-Resource Management." In *People of the Tropical Rain Forest*. J.S. Denslow and Christine Padoch, editors, pp. 89–90. Smithsonian Institution Traveling Exhibition. Berkeley: University of California.
- 1988e "Resource Management by the Kayapó, Brazil." In *Saving the Tropical Rain Forest*. J. Gradwohl and R. Greenberg, editors, pp. 123–125. London: Earthscan Publications, Ltd.
- 1989a (with Elaine Elisabetsky). "Use of Contraceptive and Related Plants by the Kayapó Indians (Brazil)." *Journal of Ethnopharmacology* 26:299–316.
- 1989b (with Susanna Hecht). "Preliminary Findings on Soil Management of the Kayapó Indians." In: *Resource Management in Amazonia: Indigenous and Folk Strategies*. Darrell A. Posey and William Balée, editors, pp. 174–188. Advances in Economic Botany. Bronx, New York: New York Botanical Garden.
- 1989c (with Alan B. Anderson). "Management of Campo-Cerrado by the Gorotire Kayapó Indians of Brazil." In *Resource Management in Amazonia: Indigenous and Folk Strategies Volume 7*. Darrell A. Posey and William Balée, editors, pp. 159–173. Advances in Economic Botany, New York: New York Botanical Garden.
- 1989d (with J. Frechione & L. F. da Silva). "The Perception of Ecological Zones and Natural Resources in the Brazilian Amazon: An Ethnoecology of Lake Coari." In *Resource Management in Amazonia: Indigenous and Folk Strategies*. Darrell A. Posey and William Balée, editors, pp. 260–282. Advances in Economic Botany. Bronx, New York: New York Botanical Garden.
- 1989e "Medicinas Alternativas." *Revista da Sociedade Brasileira de História da Ciência* 4:64–67.
- 1989f "The Kayapó: On Trial for Speaking Out." *Index on Censorship* 18(6/7):16–20.
- 1989g "From Warclubs to Words." *NACLA* 23(1):13–19.
- 1989h "Alternatives to Forest Destruction: Lessons from the Mebengokre." *The Ecologist* 19(6):241–244.
- 1990a "Cultivating the Forests of the Amazon: Science of the Mebengokre." *Orion Nature Quarterly* 9(3):16–23.
- 1990b "The Application of Ethnobiology in the Conservation of Dwindling Natural Resources: Lost Knowledge or Options for the Survival of the Planet." In *Proceedings for the First International Congress of Ethnobiology* (Belém, Pará). Darrell A. Posey, editor, pp. 47–61. Museu Paraense Emílio Goeldi/CNPq (Brazil).
- 1990c "Introduction to Ethnobiology: Its Implications and Applications." In *Proceedings for the First International Congress of Ethnobiology* (Belém, Pará). Darrell A. Posey, editor, pp. 1–8. Museu Paraense Emília Goeldi/ CNPq (Brazil).
- 1990d (with William Overal). "Uso de Formigas *Azteca* para Controle Biológico de Pragas Agrícolas entre os Índios Kayapó do Brasil Central." In *Proceedings for the First International Congress of Ethnobiology* (Belém, Pará). Darrell A. Posey, editor, pp. 219–226. Museu Paraense Emílio Goeldi/ CNPq.
- 1990e (with Susanna Hecht). "Indigenous Soil Management in the Latin American Tropics: Some Implications for the Amazon Basin." In *Proceedings for the First International Congress of Ethnobiology* (Belém, Pará). Darrell A. Posey, editor, pp. 73–86. Museu Paraense Emílio Goeldi/ CNPq.
- 1990f "Intellectual Property Rights: What is the Position of Ethnobiology?" *Journal of Ethnobiology* 10(1):93–98.
- 1990g "Intellectual Property Rights and Just Compensation for Indigenous Knowledge." *Anthropology Today* 6(4):13–16.
- 1991a "Rechte der Indigenen Völker." *Capivara: Regewaldmagazin der Greenpeace* 1:3–6.
- 1991b "Effecting International Change." *Cultural Survival Quarterly* (Special Issue on Intellectual Property Rights and Traditional Peoples) Summer, pp. 29–35.
- 1991c "Importance of Semi-Domesticated Species in Post-Contact Amazonia: Effects of Kayapó Indian Dispersal of Flora and Fauna of the Region." *Résumés des*

- Communications, International Symposium on Food and Nutrition in the Tropical Forest: Biocultural Interactions and Applications to Development.* Paris: UNESCO.
- 1991d (with Alan B. Andersen). “Reflorestamento Indígena.” *Amazonia, Ciência Hoje, Suplemento Especial*, (SBPC), pp. 6–13.
- 1991e (with Warwick Kerr). “Kangarà kane: Um Cipó que Mata Abelhas.” *International Bee World*. E. Crane, editor.
- 1991f (with Warwick Kerr). “Kangarà kane (*Tanaecium nocturnum*-Bignoniacea) um Cipó Usado pelos Indios Kayapó com Inseticida Natural.” *Boletim do Museu Paraense Emílio Goeldi, Serie Botanica* 7(1):23–26.
- 1991g “Traditional Knowledge, Conservation and “The Rainforest Harvest”.” *Sustainable Harvest and Marketing of Rainforest Products*. L. Famolare and M. Plotkin, editors, pp. 46–51. Washington, DC: Conservation International.
- 1991h “Intellectual Property Rights for Native Peoples: A Pandora’s Box for Those Seeking Alternatives.” In *Proceedings of the 8<sup>th</sup> International Federation of Organic Agricultural Movements*. Budapest: IFOAM.
- 1991i (with Elaine Elisabetsky). “Conceitos de Animais e seus Espíritos em Relação a Doenças e Curas entre Os Indios Kayapó da Aldeia Gorotire, Pará.” *Boletim do Museu Paraense Emílio Goeldi* 7(1):21–36.
- 1992a “Interpreting and Applying the “reality” of Indigenous Concepts: What is Necessary to Learn from the Natives?” In *Conservation of Neotropical Forests: Building on Traditional Resource Use*. K. H. Redford and Christine Padoch, editors, pp. 21–34. New York: Columbia University Press.
- 1992b “The Relation Between Cultural Diversity and Biodiversity.” In *Biodiversity and International Law*. S. Bilderbeek, editor, pp. 44–47. Amsterdam: IOS Press.
- 1992c (with Norbert Suebanek). “Das Überlegene Wissen der Kayapó-Indianer. *Journal für Musse und Gesundheit* 3:34–38.
- 1992d “Das Wissen der Mebengokre.” *Kosmos* 7:63–69.
- 1992e “Indigenous Peoples and the Conservation of Biodiversity.” *Common Vision: Program Report* pp. 14–16.
- 1992f “Indigenous Knowledge in the Conservation and Use of World Forests.” In *World Forests for the Future: Their Use and Conservation*. New Haven: Yale University Press.
- 1992g “Reply to Parker.” *American Anthropologist* 94(2):441–443.
- 1992h “Ways and Means of Strengthening Sustainable and Environmentally Sound Self-Development of Indigenous Peoples.” In *Report of the United Nations Technical Conference on Practical Experience in the Realization of Sustainable and Environmentally Sound Self-development of Indigenous Peoples (Santiago, Chile, 18–22 May, 1992)*, U.N. Doc. E/CN.4/Sub.2/1992/31 /Add. 1,25 May, 1992.
- 1992i “Indigenous Peoples and Conservation: Traditional Knowledge and New Models for the Future.” *Topics in Primatology: Behavior, Ecology and Conservation. Volume 2. Proceedings of the 13th Congress of the International Primatological Society*. H. Hoigawa, Y. Sugiyama, G. P. Sackett, R. K. R. Thompson, editors, pp. 329–341. Tokyo: University of Tokyo.
- 1992j “Kayapó Indians, Experts in Synergie.” *Tribaal Nieuws: Inbeemse Volken, Micieu en Onwikkeling* 6:10–15.
- 1992k “Die Wissenschaft der Kayapó.” In *Unser Amerika: 500 Jahre Indianischer*. J. Bogenreiter and R. Trink, editors, pp. 223–233. Wien: Jugend und Volk.
- 1992l “Scienza Indígena.” In *Biodiversita*. R. Coravaggi, editor, pp. 28–37. Roma: Dimensione Energie.
- 1992m “Etnobiologia e Etnodesenvolvimento: Importancia da Experiencia dos Povos Tradicionais.” In *Simdamazonia: Anais do Seminario International sobre Meio Ambiente, Pobreza, e Desenvolvimento*, pp. 112–118. Belém: PRODEPA.
- 1993a “Intellectual Property Rights and Just Compensation for Indigenous Knowledge.” In *Amazonia and Siberia: Legal Aspects of the Preservation of the Environment and*

88 Warren M. Hern

- Development in the Last Open Spaces*. Michael Bothe, Thomas Kurzidem, Christian Schmidt, editors. London: Graham and Trotman.
- 1993b "Importance of Semi-Domesticated Species in Post-Contact Amazonia: Effects of Kayapó Indian Dispersal on Flora and Fauna." *Food and Nutrition in the Tropical Forest: Biocultural Interactions* 15:63–72. Paris: UNESCO and Parthenon Press.
- 1994a "International Agreements and Intellectual Property Right Protection for Indigenous Peoples." In *Intellectual Property Rights for Indigenous Peoples: A Sourcebook*. T. Greaves, editor, pp. Oklahoma City: Society for Applied Anthropology.
- 1994b "Traditional Resource Rights: de facto Self-Determination for Indigenous Peoples." In *Voices of the Earth: Indigenous Peoples, New Partners and the Right to Self-Determination in Practice*. L. van der Vlist, editor, pp. 217–235. Amsterdam: The Netherlands Centre for Indigenous Peoples.
- 1994c "Environmental and Social Implications of Pre-and-Post contact Situations on Brazilian Indians: The Kayapó and a New Amazonian Synthesis." In *Amazonian Indians: From Prehistory to the Present. Anthropological Perspectives*. Anna Roosevelt, editor, pp. 271–286. Tucson, AZ.: University of Arizona Press.
- 1995 (with Graham Dutfield and Kristina Plenderleith). "Collaborative Research and Intellectual Property Rights." *Biodiversity and Conservation* 4:892–902.
- 1997a "Indigenous Knowledge, Biodiversity, and International Rights: Learning about Forests from the Kayapó Indians of the Brazilian Amazon." *The Commonwealth Forestry Review*. A.J. Grayson, editor, 76(1):53–60. Oxford: The Commonwealth Forestry Association.
- 1997b "Diachronic Ecotones and Anthropogenic Landscapes: Contesting the Consciousness of Conservation." *Advances in Historical Ecology*. William Balée, editor, pp. 104–118. New York: Columbia University Press.
- 1997c "The Kayapó: The Role of Intellectual Property in Resource Management in the Brazilian Amazon." In *Indigenous Peoples and Sustainability: Cases and Actions*. Darrell A. Posey and Graham Dutfield, editors, pp. Utrecht: IUCN and International Books.

**Museum Catalogues:**

- 1987 (with D. Hamu). *Ciência dos Mebengokre: Alternativos contra Destruição*. Museu Paraense Emílio Goeldi/CNPq/MCT. Belém, Pará.
- 1992 (with D. Hamu and A. Rodrigues). *Kayapó Science: Alternatives to Destruction*. Museu Paraense Emílio Goeldi/CNPQ, Belém, Pará.

**Exhibitions:**

- 1987 *Ciência dos Mebengokre: Alternativos contra Destruição*. Inaugural Exhibition for the "Rocinha" Exhibition Hall, Museu Paraense Emílio Goeldi. Belém, Pará.
- 1992 *Kayapó Science: Alternatives to Destruction*. Special Exhibition for The Earth Summit, Imperial Palace, Rio de Janeiro

**Films/ Videos:**

- 1986 Special segment, Today Show/ NEC (USA) on Kayapó Indian Natural Resource Management, Lisa Freed, producer.
- 1987 *Ciência dos Mebengokre*. Two-part video on ethnobiological knowledge of Kayapó Indians, made with TV GLOBO for "Globo Ciência" (Brazil). Marcia Sanchez, producer.
- 1988a *Alternativos contra Destruição*. Two-part series for TV Manchete (Brazil) on Kayapó natural resource management, made for "Estação Ciência." Ricardo Monte Rosa, producer.

- 1988b *Without Borders*. Documentary film made for the United Nations on native peoples, CNN Productions (USA). Barbara Pyle, producer.
- 1988c *Jungle Pharmacy*. Documentary film made for TV Trust for the Environment, Central TV (Britain) on medicinal plants used by native peoples. Herbert Girardet, producer.
- 1989 *Xingú Encounter*. Documentary film about the First Encounter of Indian Peoples in the Amazon, Floresta Films. Neville d'Almeida, director, Darrell A. Posey, text and narration.
- 1990a *Kayapó Knowledge and The Future of the Amazon*. Documentary film about the educational activities and aspects of the ethnobiological research project with the Kayapó Indians. Text, narration, assistant editing and co-direction/ production. De Campos Produções, Belém Pará.
- 1990b *Altamira and After*. Documentary of the Altamira Encounter and the subsequent activities of the indigenous groups of the Amazon in defense of their native lands and resources. Text, narration, assistant editing and co-direction. De Campos Produções, Belém Pará.
- 1990c *Will the Yanomami Survive?* Text, narration, assistant editing and co-production. De Campos Produções, Belém Pará.
- 1991a *The Institute for Ethnobiology of the Amazon—INEA*. Documentary about applied ethnobiological research in the Belém-based institute. Text, narration, assistant editing and co-production. De Campos Produções, Belém Pará.
- 1991b *Natural Products and Green Consumerism*. A film about “selling the tropical forest” and the problems that result. Text, narration, assistant editing and co-production. De Campos Produções, Belém Pará.
- 1991c *Letter to the Kayapó*. A film about the dangers of logging to indigenous peoples, and especially the Kayapó. Footprint Films, London, technical advisor.
- 1992a *Earth Parliament*. Promotional film about the indigenous gathering for UNCED'92 in Rio de Janeiro. Foot Print Films, London, co-production.
- 1992b *Amazon Knowledge*. A documentary of the importance of traditional indigenous knowledge of Amazonian Indians. Text, narration and assistant direction and editing. EMA Produções, Brasília, DF, Brazil.
- 1997 *The Kayapó: 5 Years after the Earth Summit*. CNN Documentary Productions (scientific advisor & technical assistant).

# Tipiti\*

*Journal of the Society for the  
Anthropology of Lowland South America*

**Subscription Rates** Subscriptions to Tipiti are a benefit of membership in SALSAs (The Society for the Anthropology of Lowland South America), and are available at the following rates:

United States/Europe Professional Member:	\$40.00
Latin America/Asia Professional Member	\$25.00
Student Member	\$25.00
Institutional rate	\$100.00

Subscriptions and membership dues should be sent to Donald Pollock, Secretary, SALSAs, Department of Anthropology, SUNY at Buffalo, New York 14261 USA.

Payment may be made via credit card and in major currencies by contacting the SALSAs secretary.

**The current SALSAs Board:**

William Balée, President	Beth A. Conklin, At-large
Janet Chernela, President-elect	Clark Erickson, At-large
Donald Pollock, Secretary/Treasurer	Maria Moreno, At-large
Jeffrey David Ehrenreich, Editor, <i>Tipiti</i>	Anne-Christine Taylor, At-large

Copyright © 2004 by The Society for the Anthropology of Lowland South America.  
All rights reserved; no reproduction without permission  
ISSN: 1545-4703.

\* “The *tipiti* is an extendable basketry tube made from reed strips, enclosed at the lower end and open at the upper. It is plaited on the bias, which is to say that the two sets of interwoven elements opposed to each other run diagonally in relation to the long axis of the tube ... In using this device to squeeze manioc, it is first compressed from both ends to widen the opening at the top. Through this opening, the tube is filled with grated manioc pulp. Once filled, the *tipiti* is hung from the end of a beam by a loop woven into the upper end of the tube. Through a similar loop at the lower end, a pole is inserted to be used as a lever. Pressing down on the lever stretches the *tipiti*, thus narrowing its diameter. As it stretches, the inner volume of the *tipiti* is reduced to about half of what it was when first filled with grated pulp. The pressure to which the resulting lateral compression subjects the contents of the device forces the poisonous juice of the manioc pulp to be extruded through the interstices of the plaited mesh, dripping down the outside of the tube.”

[Quoted from Robert L. Carneiro, 2000, “The Evolution of the Tipiti.” In *Cultural Evolution: Contemporary Viewpoints*, Gary M. Feinman and Linda Manzanilla, editors, pp. 61-93. New York: Kluwer Academic/Plenum Publishers.]