

**RECENT DOCTORAL DISSERTATIONS OF INTEREST
TO ETHNOBIOLOGISTS:
FALL 1987 - FALL 1988**

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RESUMEN.—En este bibliografía se incluyen disertaciones recientes de interés a los etnobiólogos. Por cada uno se da el número de la página donde se halla el resumen en Dissertation Abstracts (D.A.), y el número de encargar un ejemplero de la disertación de University Microfilm International, 300 North Zeeb Road, Ann Arbor, MI 48106 USA (teléfono: 800-521-3042; desde Alaska, Hawaii y Michigan, 313-761-4700; desde Canadá 800-343-5299).

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Dates covered in this edition include: Volume A (Humanities and Social Sciences): September 1987-August 1988; Volume B (Sciences and Engineering): September 1987-August 1988; Volume C (European Dissertations): Fall 1987-Summer 1988. It should be noted that these are the dates for the issues of D.A. in which the abstracts appear, rather than the dates of acceptance of the dissertations themselves. A few older dissertations only recently abstracted in D.A. have also been incorporated.

Included in the current list are dissertations categorized in D.A. under Agricultural Chemistry, Agricultural Economics, Agriculture, Agronomy, American Studies, Analytical Chemistry, Animal Culture & Nutrition, Anthropology, Biology, Botany, Ecology, Entomology, Environmental Science, Folklore, Food Science & Technology, Forestry & Wildlife, General Chemistry, Genetics, Geography, Language, Linguistics, Nursing, Nutrition, Organic Chemistry, Palaeoecology, Paleontology, Palynology, Pharmacology, Pharmacy, Public Health, Range Management, Sociology, and Zoology. The compilers attempted to be as inclusive as possible, but some appropriate dissertations may have been overlooked. Comments and suggestions would be welcome for items to include in next year's edition.

The dissertations are listed alphabetically by author, along with the year of acceptance, title, institution, length, advisor or major professor, number(s) of page(s)

in D.A. where the abstract may be found, University Microfilms order number, and the ISBN number, as this information is given.

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- ACAMOVIC, THOMAS. 1987. Analysis, and nutritional evaluation for young chicks, of some toxic factors in three novel legumes [*Leucaena leucocephala*, *Canavalia ensiformis*, and *Lupinus albus*]. University of Edinburgh, U.K., 308 pp. D.A. 49(2):266-B. Order no. BRD-80440.
- ADELSKI, ELIZABETH. 1987. Ejidal agriculture in northern Sinaloa, Mexico; agricultural resources, production and household well-being. University of Kentucky, 325 pp. Director: Billie R. DeWalt. D.A. 48(4):967-968-A. Order no. DA8715911.
- ADEOLA, MOSES OLANREWaju. 1987. Utilization of wildlife resources in Nigeria. Colorado State University, 327 pp. D.A. 48(8):2162-B. Order no. DA8725614.
- AL-DARAZI, FARIBA ABDULLWAHAB. 1987. Assessment of Bahraini women's health and illness cognitions and practices. University of Illinois at Chicago, Health Sciences Center, 241 pp. Adviser: Beverly McElmurry. D.A. 48(3):701-B. Order no. DA8712355.
- AL-WOHAIBI, FAHED ABDULLRAHMAN. 1987. Survey of Umm an-Namel Island, State of Kuwait. Indiana University, 378 pp. Chairman: Wolf W. Rudolph. D.A. 48(5):1241-1242-A. Order no. DA8717781.
- ALL, ABU MUHAMMAD SHAJAAT. 1987. Changes in near-saturated agro-eco-systems: a comparison of paddy agriculture in six villages in Bangladesh. Clark University, 673 pp. Chief Instructor: B.L. Turner, II. D.A. 48(11):2952-A. Order no. DA8722513.
- ANFINSON, SCOTT FLEMING. 1987. The prehistory of the Prairie Lake region in the Northeastern Plains. University of Minnesota, 371 pp. D.A. 48(3):681-A. Order no. DA8713066.
- BADEN, WILLIAM WALTER. 1987. A dynamic model of stability and change in Mississippian agricultural systems. University of Tennessee, 188 pp. Major Professor: Gerald F. Schroedl. D.A. 48(11):2914-A. Order no. DA8802649.
- BAIZERMAN, SUZANNE. 1987. Textiles, traditions, and tourist art: Hispanic weaving in northern New Mexico. University of Minnesota, 341 pp. Adviser: Joanne B. Weicher. D.A. 48(9):2621-B. Order no. DA8726028.
- BARTON, DAVID. 1987. Draught animal power in Bangladesh. University of East Anglia, U.K., 350 pp. D.A. 49(1):3-B. Order no. BRD-80393.
- BELLANTONI, NICHOLAS FRANK. 1987. Faunal resource availability and prehistoric cultural selection on Block Island, Rhode Island. University of Connecticut, 273 pp. Major Adviser: Robert E. DeWar. D.A. 48(11):2914-2915-A. Order no. DA8800206.
- BOLIN, INGE. 1987. The organization of irrigation in the Vilcanota Valley of Peru: local autonomy, development and corporate group dynamics. University of Alberta (Canada). D.A. 48(5):1243-A.
- BOWEN, WALTER TRUMAN. 1987. Estimating the nitrogen contribution of legumes

- to succeeding maize on an oxisol in Brazil. Cornell University, 194 pp. D.A. 48(4):922-B. Order no. DA8708990.
- BOURFIA, MOHAMED. 1987. Evaluation of three Moroccan breeds of sheep. University of Minnesota, 182 pp. Adviser: R.W. Touchberry. D.A. 48(8):2153-B. Order no. DA8723810.
- BROOKS, ROBERT LEE. 1986. Catchment analysis revisited: a critique and application of a test case. University of Kentucky, 296 pp. Director: Thomas Dillehay. D.A. 48(7):1812-A. Order no. DA8718396.
- BROWER, BARBARA ANNE. 1987. Livestock and landscape: the Sherpa pastoral system in Sagarmatha (Mt. Everest) National Park, Nepal. University of California, Berkeley, 354 pp. D.A. 48(9):2420-2421-A. Order no. DA8726151.
- BROWN, THEODORE MAX. 1987. The cultural ecology of agriculture in Caldwell County, Texas. University of Texas at Austin, 523 pp. Supervisor: Richard P. Schoedel. D.A. 48(5):1243-1244-A. Order no. DA8717375.
- BRUSETH, JAMES EDWARD. 1987. Late Holocene environmental change and human adaptive strategies in Northeast Texas. Southern Methodist University, 332 pp. Adviser: Anthony Marks. D.A. 48(7):1812-A. Order no. DA8721365.
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- CARNEY, JUDITH ANN. 1986. The social history of Gambian rice production: an analysis of food security strategies. University of California, Berkeley, 366 pp. D.A. 48(5):1284-A. Order no. DA8717920.
- CASTILLO-GONZALEZ, FERNANDO. 1987. Agronomic evaluation of Latin American maize populations. North Carolina State University, 157 pp. Director: Major N. Goodman. D.A. 48(5):1190-B. Order no. DA8717283.
- CATLIN, MARK ALAN. 1986. Regional research designs in the study of prehistoric culture change: an analysis of Late Archaic adaptations in the Middle Atlantic Piedmont. University of Virginia, 362 pp. D.A. 48(5):1242-A. Order no. DA8715118.
- CHAN, KYUNG JUNG. 1987. Characterization of the arabinogalactan from tepary bean (*Phaseolus acutifolius* var. *latifolius*). University of Arizona, 113 pp. Director: James W. Berry. D.A. 48(3):608-B. Order no. DA8712866.
- COGIL, BRUCE. 1987. The effects on income, health, and nutritional status of increasing agricultural commercialization in south-west Kenya. Cornell University, 561 pp. D.A. 48(7):1942-B. Order no. DA8724192.
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- CUEVAS-SUAREZ, SUSANA. 1987. The Amuzgos' zoological world: an ethno-scientific approach. State University of New York at Albany, 262 pp. D.A. 48(4):968-A. Order no. DA8715349.
- DALOZ, CHARLES ROLAND. 1987. Productivity of vegetable legumes in the Special Territory of Aceh, Indonesia. Cornell University, 317 pp. D.A. 48(7):1862-B. Order no. DA8724128.
- DA MOTA, CLARICE NOVAES. 1987. As Jurema told us: Kariri-Shoko and Shoko mode of utilization of medicinal plants in the context of modern Northeastern Brazil. University of Texas at Austin, 403 pp. Supervisor: James B. Brow. D.A. 48(5):1244-A. Order no. DA8717395.
- DENNIS, JOHN VALUE, JR. 1987. Farmer management of rice variety diversity in

- northern Thailand. Cornell University, 386 pp. D.A. 48(10):2826-B. Order no. 8725764.
- DOWNIE, STEPHEN ROY. 1987. A biosystematic study of *Arnica* subgenus *Arctica*. University of Alberta (Canada). D.A. 48(5):1225-B.
- DWYER, PHILIP MATTHEW. 1987. Herbalism and ritual: folk medical practices among Asian immigrants in Southern California. University of California, Los Angeles, 228 pp. Chair: Donald Ward. D.A. 48(6):1518-A. Order no. DA8719926.
- GOODWIN, CONRAD MC CALL. 1987. Sugar, time, and Englishmen: a study of management strategies on Caribbean plantations. Boston University, 213 pp. Major Professor: Mary C. Beaudry. D.A. 48(7):1812-1813-A. Order no. DA8721317.
- GREEN, WILLIAM. 1987. Between Hopewell and Mississippian: Late Woodland in the Prairie Peninsula as viewed from the western Illinois uplands. University of Wisconsin-Madison, 478 pp. Supervisor: James B. Stoltman. D.A. 48(9):2368-2369-A. Order no. DA8720800.
- HALLSDOTTIR, MARGRET. 1987. Pollen analytical studies of human influence on vegetation in relation to the Landnám tephra layer in southwest Iceland. Lunds Universitet, Sweden, 45 pp. D.A. 49(1):71-C.
- HANSON, DOUGLAS BURKE. 1988. Subsistence change and biological adaptation: a microradiographic analysis of cortical bone remodeling in three prehistoric populations from the Lower Illinois Valley. Cornell University, 287 pp. D.A. 48(12):3146-A. Order no. DA8804636.
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- HOFFMAN, ROBERT W. 1987. Taphonomy and zooarcheology of rockshelters of the Big South Fork area of the Cumberland Plateau, Tennessee and Kentucky. University of Tennessee, 220 pp. Major Professor: Walter Klippel. D.A. 48(7):1813-A. Order no. DA8721276.
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- HUCHON, BRIGETTE. 1987. *Vinca minor* L.: usage ancestral et source de vincamine. [*Vinca minor*: ancient use and vincamin source.] Université de Dijon, France, 98 pp. D.A. 49(10):109-C. [Dissertation and abstract in French.]
- IRVINE, DOMINIQUE. 1987. Resource management by the Runa Indians of the Ecuadorian Amazon. Stanford University, 326 pp. Adviser: William H. Durham. D.A. 48(7):1816-A. Order no. DA8720400.
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- JOHNSON, DAVID JOHN. 1987. Nabataean trade: intensification and culture change.

- University of Utah, 168 pp. D.A. 48(9):2369-A. Order no. DA8726539.
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- KIRKMAN, WILLIAM BENSON. 1987. The taxonomy, ecology, and horticulture of *Vaccinium* section *Herpothamnus* (Ericaceae). North Carolina State University, 205 pp. Directors: James R. Ballington & Arthur W. Cooper. D.A. 48(3):632-B. Order no. DA8712540.
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- LA BIANCA, OYSTEIN SAKALA. 1987. Sedentarization and nomadization: food system cycles at Hesban and vicinity in Transjordan. Brandeis University, 411 pp. Chairperson: Judith Zeitlin. D.A. 48(4):969-A. Order no. DA8715746.
- LEONARD, WILLIAM ROWE. 1987. Nutritional adaptation and dietary change in the southern Peruvian Andes. University of Michigan, 299 pp. Chair: A. Roberto Frisancho. D.A. 48(12):3146-A. Order no. DA8801361.
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- MANOLESCU, KATHLEEN MARIE. 1987. An approach to the ethnography of farming as a culturally structured technological system. University of Pennsylvania, 528 pp. Supervisor: Ward H. Goodenough. D.A. 48(4):969-970-A. Order no. DA8714086.
- MATHEWSON, KENT. 1987. Landscape change and cultural persistence in the Guayas wetlands, Ecuador. University of Wisconsin-Madison, 544 pp. Directors: William Maxfield Denevan & Carl O. Sauer. D.A. 48(9):2422-A. Order no. DA8720818.
- MC ANANY, PATRICIA ANN. 1986. Lithic technology and exchange among wetland farmers of the eastern Maya lowlands. University of New Mexico, 321 pp. Chairperson: Jeremy A. Sabloff. D.A. 48(4):966-967-A. Order no. DA8713297.
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- of Minnesota, 773 pp. Adviser: Fred E. Lukermann. D.A. 48(8):2091-A. Order no. DA8723836.
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- MUTORO, HENRY WANGUTUSI. 1987. An archaeological study of the Mijikenda *Kaya* settlements on hinterland Kenya Coast. University of California, Los Angeles, 320 pp. Chair: Merrick Posnansky. D.A. 48(6):1484-A. Order no. DA8721047.
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- OGUNBIYI, ADETOKUNBO OLAMALE. 1987. Aspects of the toxicology of the bracken fern (*Pteridium aquilinum*). University of Surrey, U.K., 230 pp. D.A. 49(1):82-B. Order no. BRD-80047.
- PERLOV, DIANE CATHERINE. 1987. Trading for influence: the social and cultural economics of livestock marketing among the highland Samburu of northern Kenya. University of California, Los Angeles, 313 pp. Chair: Walter Goldschmidt. D.A. 48(6):1488-A. Order no. DA8721050.
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- SCHEPARTZ, LYNNE ALISON. 1987. From hunters to herders: subsistence pattern and morphological change in eastern Africa. University of Michigan, 155 pp. Chair: Milford H. Wolpoff. D.A. 48(11):2919-A. Order no. DA8801413.
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- SPRIGGS, MATTHEW JAMES THOMAS. 1981. Vegetable kingdoms: taro irrigation and Pacific prehistory. Australian National University, 516 pp. D.A. 48(3):683-A. Order no. DA8710524.
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- SUELO, LUCITA G. 1987. Utilisation of the Australian jellyfish *Calostylus* sp. as a food product. University of New South Wales, Australia. D.A. 48(11):3167-B.

- SVENSON, G. 1987. Studies on fossil plant communities, stratigraphy and development of peatlands in South Sweden. Lunds Universitet, Sweden, 5 pp. D.A. 48(3):520-C.
- SWANSON, MARILYN ANN. 1987. Nutritional significance and acceptance of solar dried foods of rural Leyte, Philippines. Washington State University, 200 pp. Chair: Madeleine E. Mitchell. D.A. 48(8):2271-B. Order no. DA8724327.
- SWETNAM, THOMAS WILLIAM. 1987. A dendrochronological assessment of Western spruce budworm, *Choristoneura occidentalis* Freeman, in the southern Rocky Mountains. University of Arizona, 226 pp. Director: Malcolm J. Zwolinski. D.A. 48(3):637-B. Order no. DA8712915.
- SWISHER, MICHAEL JAMES. 1987. Wood and water terminology in Old High German literature: a contribution to the study of Old High German nature vocabulary. Ohio State University, 457 pp. Adviser: Johanna Belin. D.A. 48(5):1195-A. Order no. DA8717735.
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- TRIERWEILER, WILLIAM NICHOLAS. 1987. The marginal cost of production in subsistence economies: an archaeological test. University of California, Los Angeles, 416 pp. Chair: James N. Hill. D.A. 48(7):1814-1815-A. Order no. DA8723211.
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- WHITE, JOHN PETER. 1968. Taim bilong bipo: investigations towards a prehistory of the Papua-New Guinea Highlands. Australian National University, 872 pp. D.A. 48(3):683-A. Order no. DA8710527.
- WILEN, RICHARD NEAL. 1987. The context of prehistoric food production in the Khorat Plateau piedmont, N.E. Thailand. University of Hawaii. Chairman: Wilhelm G. Solheim, II. D.A. 48(7):1815-A.
- WINDER, N. 1986. Faunal analysis: studies in the analysis and interpretation of animal bones from large, multiphase archaeological excavation. University of Southampton, U.K. D.A. 48(4):650-C.
- WYMER, DEE ANNE. 1987. The paleoethnobotanical record of central Ohio—100 B.C. to A.D. 800: subsistence continuity amid cultural change. Ohio State University, 364 pp. Adviser: William S. Dancy, D.A. 48(5):1243-A. Order no. DA8717753.