

**RECENT DOCTORAL DISSERTATIONS  
OF INTEREST TO ETHNOBIOLOGISTS:  
FALL 1984 - FALL 1985**

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This is the third in an annual series of bibliographies listing selected dissertations drawn from the pages of Dissertation Abstracts (D.A.) (see also Hays 1983, Laferrière 1984). All three listings were made by scanning the titles and abstracts published in D.A. and making a subjective decision as to which ones might be relevant to work in ethnobiology or related disciplines such as ecological anthropology. Dissertations categorized in D.A. under Anthropology, American Studies, Linguistics, Language, Sociology, Ecology, Biology, Botany, Zoology, and Agriculture were considered for inclusion in the list. An attempt was made to be as inclusive as possible, but some other dissertations may have been overlooked. The compiler would be grateful for comments and suggestions as to dissertations which might be worthy of inclusion in next year's edition.

Hays (1983) listed only dissertations categorized under "anthropology" in volume A (Humanities and Social Sciences) of D.A., while Laferrière (1984 and the present work) include dissertations from volumes B (Sciences & Engineering) and C (European dissertations). The dates covered in each publication are: Hays (1983): Volume A: July 1981-June 1983; Laferrière (1984): Volume A: July 1983-September 1984, Volume B: January 1981-September 1984, Volume C: Autumn 1980-Fall 1984; Laferrière (1985) (this paper): Volume A: October 1984-August 1985, Volume B: October 1984-September 1985, Volume C: Winter 1985-Fall 1985. Note 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.

The dissertations are listed alphabetically below, along with the year of acceptance, title, institution, length, advisor or major professor, number of the page in D.A. in which the abstract may be found, University Microfilms order number, and the ISBN number, when this information was given.

Most of the dissertations accepted at institutions in the United States may be obtained from University Microfilm International, P.O. Box 1764, Ann Arbor, MI 48106, either on microfilm or published by microfilm xerography. Current prices may be obtained by calling 313-761-4700 or 800-521-3042 (in Canada, 800-268-6090).

Canadian and European dissertations are not now available through UMI, although this may change in the future. Relatively few European universities participate in the D.A. abstracting service; hence those European dissertations listed represent a small proportion of the total. Abstracts of all the dissertations listed below are, however, published in English in Dissertation Abstracts.

ARNDT, ALDEN ALBERT, JR. (1984). A microprocessor computer system for field capture of archeological data. University of Minnesota, 281 pp. D.A. 45(8):2569-A. Order no. DA8424664.

BEDIGAN, DOROTHEA. (1984) *Sesamum indicum* L.: crop origin, diversity, chemistry, and ethnobotany. University of Illinois at Urbana-Champaign, 148 pp. D.A. 45(11): 3410-B. Order no. DA 8502071.

- BESSE, ROBERT WELLS III. (1983) Environment, subsistence patterns, and socio-economic alternatives among the Nana Inupiat of northwest Alaska. University of Illinois at Urbana-Champaign, 333 pp. Director: Demitri Shimkin. D.A. 45(7):2160-A. Order no. DA8409862.
- BROCHADO, JOSE JOAQUIM JUSTINIANO PROENZA. (1984) An ecological model of the spread of pottery and agriculture into eastern South America. University of Illinois at Urbana-Champaign, 527 pp. D.A. 45(11):3391-A. Order no. DA8502084.
- CARDALE SCHRIMPF, MARIANNE VERE. (1972) Techniques of hand-weaving and allied arts in Colombia (with particular reference to indigenous methods and, where possible, including dyeing, fibre preparation and related subjects). University of Oxford [U.K.], 1341 pp. D.A. 45(8):2569-A, Order no. DA8417581.
- GELB, ROBIN JOAN. (1984) Folk, indigenous, and modern medicine in urban India: a study of the process of health care utilization. University of Wisconsin-Madison, 209 pp. Director: Joseph W. Elder. D.A. 45(5):1459-A. Order no. DA 8414236.
- GROENFELDT, DAVID JOHN. (1984) Change, persistence, and the impact of irrigation: a controlled comparison of two North Indian villages. University of Arizona, 349 pp. Director: Earl W. Jernigan. D.A. 45(8):2572-A. Order no. DA 8424924.
- GROFFMAN, PETER MARK. (1984) Ecology of nitrogen cycling in conventional cycling and no-tillage agroecosystems. University of Georgia, 182 pp. Director: D.A. Crossley, Jr. D.A. 45(6):1668-B. Order no. DA 8421115.
- GYLLENHALL, CHARLOTE. (1984) Cultural and ecological factors affecting nutrient dynamics and crop yields in shifting cultivation. University of Alabama, 352 pp. D.A. 45(7):2026-B. Order no. DA8423481.
- HAUN, ALAN EDWARD. (1984) Prehistoric subsistence, population, and socio-political evolution on Ponape, Micronesia. University of Oregon, 329 pp. Director: William S. Ayres. D.A. 45(7):2155-A. Order no. DA8422847.
- HESS, SALINDA. (1984) Domestic medicine and indigenous medical systems in Haiti: culture and political economy of health in a disemic society. McGill University. D.A. 45(9):2912-A.
- HOPKINS, DAVID CHARLES. (1984) Agricultural subsistence in the Early Iron Age Highlands of Canaan. Vanderbilt University, 550 pp. Director: Douglas A. Knight. D.A. 45(5):1454-A. Order no. DA8417017.
- HORN, DARWIN DAVID, JR. (1984) Marsh resource utilization and the ethnoarcheology of the Uru-Muratos of highland Bolivia. Washington University, 411 pp. Director: David L. Browman. D.A. 45(5):1455-A. Order no. DA8418739.
- JONES, KEVIN THOMAS. (1984) Hunting and gathering by early hominids; a study in archeological method and theory: University of Utah, 181 pp., Director: James F. O'Connell. D.A. 45(11):3392-A. Order no. DA8501529.
- KÄLLMAN, S.J.T. (1983) Näringsvärden i vilda svenska växter - Analyser och Fysiologiska studier av olika komponenter med tonvikt på höllhydrater, protein och vitamin C [Nutritive value of wild Swedish plants - Analyses and physiological studies of different components, with special reference to carbohydrates, protein, and ascorbic acid]. Stockholms Universitet [Sweden], 130 pp. [in Swedish]. D.A. 45(4):1002-C. ISBN 91-7146-259-7. [Published by University of Stockholm, Institute of Botany, S-106 91 Stockholm].
- KERBER, JORDAN EDWARD. (1984) Prehistoric occupation and changing environment of Potowomut Neck, Warwick, Rhode Island: an interdisciplinary approach. Brown University, 284 pp. D.A. 45(7):2156-A. Order no. DA8422445.
- LENSINK, STEPHEN CRAIG. (1984) A quantitative model of central-place foraging among prehistoric hunter-gatherers (vols. I and II). University of Iowa, 663 pp. Director: Duane C. Anderson. D.A. 45(9):2908-A. Order no. DA8428252.

- LENTZ, DAVID LEWIS. (1984) A description of the plant communities and archaeobotany of the Lower Sulaco and Humuya River Valleys, Honduras. University of Alabama, 213 pp. D.A. 45(7):2021-B. Order no. DA8423495.
- LORD, KENNETH JONES. (1984) The zooarcheology of Hinds Cave (41 VV 456). University of Texas at Austin, 310 pp. Director: Dee Ann Story. D.A. 46(2):458-A. Order no. DA8508305.
- LUCKING, LAURIE JO. (1984) An archeological investigation of prehistoric Palauan terraces. University of Minnesota, 272 pp. D.A. 45(12):3676-A. Order no. DA8503076.
- MACRAE, WILLIAM DONALD. (1984) Ethnobiological and chemical investigations of selected Amazonian plants. University of British Columbia. Director: G.H.N. Towers. D.A. 45(12):3704-B.
- MCCABE, J. TERRANCE. (1985) Livestock management among the Turkana: a social and ecological analysis of herding in an East African pastoral population. State University of New York at Binghamton, 332 pp. D.A. 46(2):460-A. Order no. DA8508655.
- MCKENNA, DENNIS JON. (1984) Monoamine oxidase inhibitors in Amazonian hallucinogenic plants: ethnobotanical, phytochemical, and pharmacological investigations. University of British Columbia. Director: G.H.N. Towers. D.A. 45(12):3704-B.
- MELTZER, DAVID JEFFREY. (1984) Late Pleistocene human adaptations in eastern North America. University of Washington, 454 pp. Director: Robert C. Dunnell. D.A. 45(5):1456-A. Order no. DA8419172.
- MERRILL SANDS, DEBORAH MARIE. (1984) The mixed subsistence-commercial production system in the peasant economy of Yucatan, Mexico: an anthropological study in commercial beekeeping. Cornell University, 587 pp. D.A. 45(9):2913-A. Order no. DA8427282.
- PEREVOLOTSKY, ABRAHAM. (1984) Goat herding in Piura-Peru: the environmental context and the human factor. University of California at Davis, 259 pp. D.A. 45(4):1104-B. Order no. DA8416907.
- RAMQUIST, P.H. (1983) On the origin, function, and development of sedentary Iron Age settlement in northern Spain. Umea Universitat [Sweden], 230 pp. D.A. 46(3):600-C. ISBN 91-7174-145-4.
- SAMSON, FILLES. (1983) Prehistoire du Mushau Nipi, Nouveau-Quebec: etude du mode d'adaptation a l'interieur des terres hemi-artistiques [Prehistory of Mushau Nipi, New Quebec: study of the mode of adaptation in the interior of semi-Arctic lands]. University of Toronto, [in French]. D.A. 45(4):1154-A.
- SCHNEIDER, KIM NAN. (1984) Subsistence, nutrition, and dental disease among prehistoric Ohio Amerindians. Ohio State University, 184 pp. Director: Paul W. Sciulli. D.A. 45(8):2575-A. Order no. DA8426473.
- SCHULTZ, BRIAN BUETTNER. (1984) Ecological aspects of stability in polycultures versus sets of monocultures of annual crops. University of Michigan, 226 pp. Director: John Vandemeer. D.A. 45(7):2028-B. Order no. DA8422329.
- SIMMS, STEVEN RODNEY. (1984) Aboriginal Great Basin foraging strategies: an evolutionary analysis. University of Utah, 298 pp. Director: James F. O'Connell. D.A. 45(9):2909-A. Order no. DA8426859.
- SUN, PAO-KONG. (1984) Scapula system: a computerized retrieval system for archaeological data from the Upper Wabash drainage. Ball State University, 157 pp. Director: Dwight W. Hoover. D.A. 45(5):1457-A. Order no. DA8417063.
- WIDGREN, M.O. (1983) Settlement and farming systems in the early Iron Age: a study of fossil agrarian landscapes in Ostergotland, Sweden. Stockholms Universitet [Sweden], 132 pp. D.A. 45(4):942-C. ISBN 91-22-00602-8. [published by Almquist & Wiskell International, P.O. Box 45150, S-104 30 Stockholm.]

- WIESE, ANN MARIE. (1984) Biology, ecology, and competitive effects of several annual weeds. University of Wisconsin-Madison, 94 pp. Director: Larry K. Binning. D.A. 45(9):2799-B. Order no. DA8422719.
- ZAZUETA, AARON EDUARDO. (1984) The Mexican state and the modernization of agriculture in Caborca, Sonora, 1950-1982. University of California at Davis, 439 pp. D.A. 45(7):2166-A. Order no. DA8422507.

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