

**RECENT DOCTORAL DISSERTATIONS  
OF INTEREST TO ETHNOBIOLOGISTS:  
FALL 1986 - FALL 1987**

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This is the fifth in an annual series of bibliographies listing selected dissertations drawn from the pages of Dissertation Abstracts (D.A.) (see also Hays 1983; Laferrière 1984, 1985; Laferrière and Hays 1986). All listings were constructed by scanning the titles and abstracts published in D.A. and making subjective decisions as to which ones might be relevant to work in ethnobiology or related disciplines such as ecological anthropology.

Dates covered in this edition include: Volume A (Humanities and Social Sciences): November 1986-August 1987; Volume B (Sciences and Engineering): November 1986-August 1987; Volume C (European Dissertations): Fall 1986-Summer 1987. 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 overlooked in previous listings 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, 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 when this information is given.

Those dissertations with UMI order numbers may be purchased 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).

Dissertations from outside the United States are not now available through UMI, although some of these may be obtainable from the accepting institutions or through interlibrary loan. 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 dissertations listed below are, however, published in D.A., in English except as noted.

- ABBAS, IBRAHIM RASHEED. (1987) Physiochemical properties of tepary bean starch. University of Arizona, 171 pp. Director: James W. Berry. D.A. 48(1):13-B. Order no. DA8709886.
- ABUSUWAR, AWAD OSMAN MOHAMED. (1986) Land imprinting as an effective way of soil surface manipulation to revegetate arid lands. University of Arizona, 132 pp. Director: M. H. Schonhorst. D.A. 47(5):1797-B. Order no. DA8615819.
- ACKERLY, NEAL W. (1986) Archaic adaptive strategies in the Middle Gila River Basin. Arizona State University, 2 volumes, 736 pp. Chairperson: Geoffrey Clark. D.A. 47(5):1786-A. Order no. DA8616448.
- ALEXANDER, LEE. (1986) Nonindustrial private forest landowner relations to wildlife in New England. Yale University, 228 pp. D.A. 47(8):3187-B. Order no. DA8628721.
- ALVERSON, WILLIAM SURPRISON. (1986) *Quararibea* Aubl. S.L. (Bombaceae) in Mexico, Central America, and the Antilles: a taxonomic study. University of Wisconsin-Madison, 488 pp. Supervisor: Hugh H. Iltis. D.A. 48(1):33-B. Order no. DA8703816.
- BALABANIAN, O. (1979) Les exploitation et les problèmes de l'agriculture en Estremadure espagnole et dans le Haut-Alentejo. [Agricultural exploitation in Spanish Estremadura and Upper Alentejo.] Université de Clermont-Ferand, 1,066 pp. D.A. 47(4):851-C. Dissertation in French.
- BAMFORTH, DOUGLAS BRIAN. (1986) Predictability, productivity, and patchiness: ecology and human organization on the Great Plains. University of California, Santa Barbara, 378 pp. Chair: Michael Jochim, D.A. 48(1):162-A. Order no. DA8709097.
- BAUMGARTNER, S. (1986) Untersuchungen an der kohlenhydratfraktion von johannisbrot, *Ceratonia siliqua* L. [Studies on the carbohydrate fraction of carob, *Ceratonia siliqua* L.] Eidgenössische Technische Hochschule Zürich, 87 pp. D.A. 48(2):292-C. Published by the Swiss Federal Institute of Technology, Department of Food Science, CH-8092 Zürich-ETH, Switzerland. Dissertation in German.
- BAXTER, PAUL WILLIAM. (1986) Archaic upland adaptations in the Central Oregon Cascades. University of Oregon, 234 pp. Advisor: C. Melvin Aikens. D.A. 47(7):2628-A. Order no. DA8622482.
- BECKERMAN, IRA CARL. (1986) Prehistoric settlement and subsistence in Piedmont, North Carolina. The Pennsylvania State University, 927 pp. Advisor: James W. Hatch. D.A. 47(7):2628-2629-A. Order no. DA8623717.
- BENCHERIFA, ABDELLATIF. (1986) Agropastoral systems in Morocco: cultural ecology of tradition and change. Clark University, 415 pp. Chief Instructor: Douglas L. Johnson. D.A. 47(8):3153-3154-A. Order no. DA8627753.
- BENOIT, DIANA LYSE. (1986) Method of sampling seed banks in arable soils with special reference to *Chenopodium* spp. University of Western Ontario, Canada. Advisor: P. B. Cavers. D.A. 47(10):4023-B.
- BENZ, BRUCE F. (1986) Taxonomy and evolution of Mexican maize. University of Wisconsin-Madison, 493 pp. Supervisor: Hugh H. Iltis. D.A. 48(2):329-B. Order no. DA8703819.
- BERKOWITZ, ALAN ROBERT. (1986) Mechanisms of plant interactions in mixtures and monocultures of corn and sunflower, with particular reference to water. Cornell University, 280 pp. D.A. 47(5):1841-B. Order no. DA8607268.

- BERNSTEIN, BRUCE ALAN. (1986) Migration, health, and nutrition: Haitians in Immokalee, a South Florida farmworker town. University of Connecticut, 399 pp. Major Advisor: Pertti J. Pelto. D.A. 48(1):163-A. Order no. DA 8710260.
- BOCEK, BARBARA ROSE. (1987) Hunter-gatherer ecology and settlement mobility along San Francisquito Creek. Stanford University, 412 pp. Advisor: John W. Rick. D.A. 47(12):4425-A. Order no. DA8707635.
- BODNER, CONNIE COX. (1986). On the evolution of agriculture in Central Bontoc. University of Missouri-Columbia, 674 pp. Co-Supervisors: Robert F. G. Spier, Ralph M. Rowlett. D.A. 47(10):3793-A. Order no. DA8701365.
- BOHNS, LYNN ALLISON. (1986) The biology and taxonomy of *Cyphomandra* (Solanaceae). Harvard University, 319 pp. D.A. 47(6):2280-B. Order no. DA8620561.
- BOUEY, PAUL DOUGLAS. (1986) The intensification of hunter-gatherer economies: archaeological indicators of change and complexity in the North Coast Ranges of California. University of California, Davis, 256 pp. D.A. 47(10):3794-A. Order no. DA8701672.
- BOURQUE, BRUCE JOSEPH. (1971) Prehistory of the Central Maine Coast. Harvard University, 443 pp. D.A. 47(10):3794-A. Order no. DA8702372.
- BREDENKAMP, MARTIN WILLIAM. (1986) The isolation, structure, and chemistry of the major pyrrolizidine alkaloids of *Senecio latifolius* DC. University of Pretoria, South Africa. Promoter: A. Wiechers. D.A. 48(1):135-B.
- BREWER, DOUGLAS JAMES. (1986) Cultural and environmental change in the Fayum, Egypt: an investigation based on faunal remains. University of Tennessee, 222 pp. Major Professor: Paul W. Parmalee. D.A. 47(10):3794-3795-A. Order no. DA8624230.
- BUGG, ROBERT LYMAN. (1986) The use of a nectar-bearing weed [*Polygonum aviculare*] to enhance biological control. University of California at Davis, 152 pp. D.A. 47(7):2744-B. Order no. DA8621480.
- BURCH, CAROL ANN. (1984) A structure for resilience: subsistence strategies of the To Maki Toraja (Indonesia). University of Hawaii, 343 pp. Chairman: Alice G. Dewey. D.A. 47(5):1789-A. Order no. DA8616392.
- BURKE, GEORGINE SEVERSON. (1986) Sociocultural determinants of nutrient intake and arterial blood pressure among Cambodian refugees in Utah. University of Connecticut, 230 pp. Major Advisor: Gretel H. Pelto. D.A. 48(1):166-A. Order no. DA8710261.
- BURLEIGH, ELIZABETH. (1986) The pattern of childhood malnutrition in San Jose Poaquel, Guatemala. University of California, Los Angeles, 274 pp. Chair: Allen Johnson. D.A. 47(6):2212-A. Order no. DA8621032.
- BURNLEY, DAVID ALLEN. (1986) Late Quaternary environmental dynamics of Madagascar. Duke University, 285 pp. Supervisor: Daniel A. Livingstone. D.A. 47(12):4810-B. Order no. DA8706828.
- CAMINO, LINDA ANNE. (1986) Ethnomedical illnesses and non-orthodox healing practices in a Black neighborhood in the American South: how they work and what they mean. University of Virginia, 358 pp. D.A. 48(1):161-A. Order no. DA8705712.
- CAPUANO, THOMAS MICHAEL. (1986) Agricultural terminology in Spanish Medieval and Renaissance treatises. State University of New York at Albany, 317 pp. Director: Luis Jenaro-MacLennan. D.A. 47(8):3020-A. Order no. DA8625998.
- CARR, HELEN SORAYYA. (1986) Faunal utilization in a Late Preclassic Maya community at Cerros, Belize. Tulane University, 689 pp. Chairman: E. Wyllis Andrews, V. D.A. 47(7):2629-A. Order no. DA8624410.
- CHOE, CHONG PIL. (1986) Subsistence patterns of the Chulmun Period: a reconsideration of the development of agriculture in Korea. University of Pittsburgh, 227 pp. Chairperson: Alan McPherron. D.A. 47(6):2208-A. Order no. DA8620234.

- COTTER, JOHN VINCENT. (1986) Mosquitoes and disease in the Lower Rio Grande Valley, 1846-1986. University of Texas at Austin, 307 pp. Supervisor: Robert K. Holz. D.A. 47(12):4480-A. Order no. DA8705987.
- DAHMANI, M. (1979) L'élaboration rationnelle ou irrationnelle des ressources naturelles. [The rational or irrational development of natural resources.] Université de Paris I, 461 pp. D.A. 47(4):897-C. Dissertation in French.
- DALECKI, MICHAEL GENE. (1986) Will American farmers buy organic agriculture: evidence from farm magazine advertisements. The Pennsylvania State University, 219 pp. Advisor: Robert C. Bealer, D.A. 47(7):2744-A. Order no. DA8615170.
- DAVIES, LE GRANDE. (1986) Serpent imagery in ancient Israel: the relationship between the literature and the physical remains. University of Utah, 286 pp. Chairman: Phillip C. Hammond. D.A. 47(5):1786-1787-A. Order no. DA8616076.
- DAVIS, EDMUND WADE. (1986) The ethnobiology of the Haitian zombi. Harvard University, 490 pp. Chairman: Richard Evans Schultes. D.A. 48(1):164-A. Order no. DA8704473.
- DAVIS, LINDA STRATH. (1986) Evolving landscape productivities in four rural townships of Southern Ontario, circa 1810-1980. University of Waterloo (Canada). D.A. 47(10):3845-A.
- DE QUEROZ, JOAO STACISHIN. (1985) The Acaraú Valley in northeast Brazil: vegetation, soils, and land use. Utah State University, 220 pp. Major Professor: Brian E. Norton. D.A. 47(6):2257-B. Order no. DA8619404.
- DECKER, DEENA SUE. (1986) A biosystematic study of *Cucurbita pepo*. Texas A&M University, 241 pp. Chair: Vaughn M. Bryant, Jr. D.A. 47(12):4746-B. Order no. DA8707402.
- DEI, GEORGE JERRY SEFA. (1986) Adaptation and environmental stress in a Ghanaian forest community. University of Toronto. Supervisor: R. B. Lee. D.A. 47(10):3798-3799-A.
- DUH, CHANG-YIH. (1986) Phytochemical and mechanistic studies on the constituents of *Wilkstroemia elliptica* and *Stizophyllum riparium*. University of Illinois at Chicago, Health Sciences Center, 234 pp. D.A. 48(1):103-B. Order no. DA8705570.
- EARLS, AMY CLAIRE. (1986) The organization of Piro Pueblo subsistence, AD 1300 to 1680. University of New Mexico, 358 pp. Chairperson: Linda S. Cordell. D.A. 47(5):1787-A. Order no. DA8610329.
- FAWCETT, WILLIAM BLOYS, JR. (1987) Communal hunts, human aggregations, social variation, and climatic change: bison utilization by prehistoric inhabitants of the Great Plains. University of Massachusetts, 444 pp. Director: H. Martin Wobst. D.A. 48(2):424-A. Order no. DA8710451.
- FERGUSON, JANET ENGBRETSEN. (1986) Hunter-gatherer models and the Northwest Plains Paleoindian Period. Columbia University, 481 pp. D.A. 47(7):2630-A. Order no. DA8623517.
- FOUILLOUX, F. (1986) Théorie de la signature et remèdes populaires d'aujourd'hui. [The doctrine of signatures and contemporary folk medicine.] Université de Dijon, 87 pp. D.A. 48(2):363-C. Dissertation and abstract in French.
- FRAKES, ROBERT ARNOLD. (1985) Developmental toxicity and metabolism of linamarin, the principal cyanogenic glycoside of cassava (*Manihot esculenta*). Utah State University, 103 pp. Major Professor: R. P. Sharma. D.A. 47(6):2386-2387-B. Order no. DA8619385.
- FRANZEN, L. (1985) Peat in Sweden—a method to calculate the resources. Göteborgs Universitet, 241 pp. D.A. 48(1):47-C. ISBN 91-7746-006-5.
- FRITZ, GAYLE JEANNINE. (1986) Prehistoric Ozark agriculture: the University of Arkansas rockshelter collections. University of North Carolina at Chapel Hill 243 pp. Director: Richard A. Yarnell. D.A. 48(2):424-A. Order no. DA8711112.

- GAGE, DOUGLAS, ALAN. (1986) A chemosystematic study of the genus *Piptothrix* (Compositae, Eupatoreiae). University of Texas at Austin, 561 pp. Supervisor: Tom J. Mabry. D.A. 47(12):4746-B. Order no. DA8706005.
- GAUDREAU, DENISE CLAIRE. (1986) Late Quaternary vegetational history of the Northeast: paleoecological implications of topographic patterns in pollen distributions. Yale University, 285 pp. D.A. 47(8):3277-B. Order no. DA8628059.
- GERMER, LUCIE CLAIRE. (1986) The food their families eat: cuisine as communication among Cambodian refugees. University of Utah, 229 pp. Chairman: Laurence D. Loeb. D.A. 47(7):2635-A. Order no. DA8622422.
- GILL, J. (1985) Traditional fuels and cooking stoves in developing countries: a technical, social, and environmental assessment. Open University, U.K. D.A. 47(3):570-C.
- GOE, MICHAEL RODERICK. (1987) Animal traction on smallholder farms in the Ethiopian highlands. Cornell University, 410 pp. D.A. 48(2):308-B. Order no. DA8709016.
- GOLDMAN, ABRAHAM C. (1986) Pest hazards and pest management by small scale farmers in Kenya. Clark University, 377 pp. Chief Instructor: Robert W. Kates. D.A. 47(7):2694-2695-A. Order no. DA8623641.
- GOLDSTEIN, WALTER ALLEN. (1986) Alternative crops, rotations, and management systems for the Palouse. Washington State University, 362 pp. Chair: Thomas A. Lumpkin. D.A. 48(2):305-B. Order no. DA8711988.
- GOTO, AKIRA. (1986) Prehistoric ecology and economy of fishing in Hawaii: an ethnoarchaeological approach. University of Hawaii, 547 pp. Chairman: Bion P. Griffin. D.A. 47(12):4426-A. Order no. DA8707028.
- GREGG, SUSAN ALLING. (1986) Forager-farmer interaction: processes in the Neolithic colonization of Central Europe. University of Michigan, 362 pp. Chairman: Karl L. Hutterer. D.A. 47(6):2209-A. Order no. DA8621288.
- HACKETT, NEIL MILLER. (1986) Biology and development of hogpotato (*Hoffmannseggia densiflora*). Oklahoma State University, 60 pp. Advisor: Don Murray. D.A. 47(8):3171-B. Order no. DA8626220.
- HAMILTON, NATHAN DONNE. (1985) Maritime adaptation in Western Maine: the Great Diamond Island Site. University of Pittsburgh, 611 pp. Chairman: James B. Richardson. D.A. 47(5):1787-A. Order no. DA8617249.
- HANKE, FREDERICK JOSEPH. (1986) Natural products as a resource for biologically active compounds. University of California at Santa Cruz, 273 pp. D.A. 47(6):2436-B. Order no. DA8619252.
- HARPER, DAVID E. (1986) Sustainable agriculture on slopes: the effectiveness of international development projects in fostering soil conservation in North Thailand. University of Hawaii, 490 pp. Chairman: John M. Street. D.A. 47(12):4480-A. Order no. DA8707018.
- HAYES, JANE JEDD. (1986) Not enough wood for the women: how modernization limits access to resources in the domestic economy of rural Kenya. Clark University, 387 pp. Chief Instructor: Leonard Berry, D.A. 47(8):3154-3155-A. Order no. DA8627757.
- HEADLAND, THOMAS NEIL. (1986) Why foragers do not become farmers: a historical study of a changing ecosystem and its effect on a Negrito hunter-gatherer group in the Philippines. University of Hawaii, 735 pp. Chairman: P. Bion Griffin. D.A. 47(6):2214-A. Order no. DA8622099.
- HECHT, R. (1982) Cocoa and the dynamics of socio-economic change in southern Ivory Coast. University of Cambridge, U.K., 360 pp. D.A. 47(3):571-C. Order no. DA8309242.
- HELLICHIIUS, S. (n.d.) Yrkesbeteckningar inom hud-, skinn-, och läderhantverken i Sverige: En ordhistorisk undersökning. [Occupational terms in the hide, fur, and leather crafts in Sweden: a study in word-history.] Uppsala Universitet, Sweden,

- 162 pp. D.A. 47(3):558-C. ISBN 91-506. Dissertation in Swedish.
- HOBBS, JOSEPH JOHN. (1986) Bedouin reconciliation with the Egyptian desert. University of Texas at Austin, 283 pp. Supervising Professors: Robin Doughty, Ian Manners. D.A. 47(5):1842-A. Order no. DA8618492.
- HODGES, DENISE CARROL. (1986) Agricultural intensification and prehistoric health in the Valley of Oaxaca, Mexico. State University of New York at Albany, 317 pp. D.A. 47(8):3094-A. Order no. DA8625996.
- HORN, SALLY PETERSON. (1986) Fire and Páramo vegetation in the Cordillera de Talamanca, Costa Rica. University of California, Berkeley, 160 pp. Chairman: R. Byrne. D.A. 47(7):2695-A. Order no. DA8624793.
- JOHNSTONE, BRYAN MILES. (1986) Alternative approaches to nutritional assessment for studies of diet and disease: an anthropological perspective. University of Arizona, 391 pp. Director: William L. Rathje. D.A. 47(7):2635-2636-A. Order no. DA8624359.
- KAPPELMAN, JOHN WESLEY, JR. (1987) The paleoecology and chronology of the Middle Miocene hominoids from the Chinji Formation of Pakistan. Harvard University, 318 pp. Advisor: David Pilbeam. D.A. 48(2):377-B. Order no. DA8711540.
- KATZ, CINDI. (1986) "If there weren't kids, there wouldn't be fields": children's environmental learning, knowledge and interactions in a changing socio-economic context in rural Sudan. Clark University, 584 pp. Chief Instructor: Robert W. Kates. D.A. 47(12):4481-A. Order no. DA8707533.
- KAY, NINA W. (1986) Food behaviors and obesity among urban American Indian women. Southern Methodist University, 235 pp. Advisor: Barbara Gallatin Anderson. D.A. 47(5):1790-1791-A. Order no. DA8616217.
- KIEFER, RUDOLF HANS. (1986) The importance of soil carbon dioxide in controlling solutional denudation characteristics at Pigeon Mountain, Georgia, 1985-1986. University of Georgia, 274 pp. Director: George A. Brook. D.A. 47(12):4481-A. Order no. DA8706872.
- KIM, HYUNG KEUN. (1986) Late-Glacial and Holocene environment in eastern Iowa: a comparative study on pollen data from four sites. University of Iowa, 187 pp. Supervisor: Richard G. Baker. D.A. 47(8):3278-B. Order no. DA8628118.
- KING, GEORGE ANTHONY. (1986) Deglaciation and vegetation history of western Labrador and adjacent Quebec. University of Minnesota, 325 pp. D.A. 47(12):4809-B. Order no. DA8706938.
- KOCH, BALDUR HEINRICH. (1986) The role of knowledge in the adoption of agricultural development practices. University of Pretoria, South Africa. Promoter: G. H. Duvel. D.A. 47(7):2677-B. Dissertation in Afrikaans.
- KULAKOW, PETER ARTHUR. (1986) Genetic analysis of morphology and flowering in cultivated and weedy *Amaranthus*. University of California at Davis, 96 pp. D.A. 47(6):2294-B. Order no. DA8621502.
- LAHAXE, J. (1986) Les eucalyptus en pharmacie. [Eucalyptus in pharmacy.] Université de Dijon, 52 pp. D.A. 48(2):364-C. Dissertation and abstract in French.
- LAVIN, MATTHEW T. (1986) Systematics of *Coursetia* excluding section Cracca (Leguminosae: Papilionoideae). University of Texas at Austin, 201 pp. Supervisor: Billie Lee Turner. D.A. 47(12):4747-B. Order no. DA8706052.
- LEIN, JAMES KURT. (1986) Simulating the climatic response to land cover change. Kent State University, 369 pp. Director: Milton E. Harvey. D.A. 47(12):4482-A. Order no. DA8705807.
- LEONARD, ROBERT DE WAYNE. (1986) Patterns of Anasazi subsistence: faunal exploitation, subsistence diversification, and site function in Northeastern Arizona. University of Washington, 346 pp. Chairperson: Donald K. Grayson. D.A. 47(8):3089-A. Order no. DA8626666.

- LEVISKY, JOHN STEVEN. (1987) The masticatory complex and diet of a marine dependent Native American population: a case study of human crania from the northern Channel Islands. Cornell University, 120 pp. D.A. 48(1):166-167-A. Order no. DA8708973.
- LOKER, WILLIAM M. (1986) Agricultural ecology and prehistoric settlement in the El Cajon region of Honduras. University of Colorado at Boulder, 496 pp. Director: Payson D. Sheets. D.A. 47(6):2210-A. Order no. DA8618974.
- LOVE, DORIS HOLLY. (1986) Midden analysis: the validity of column sampling in defining prehistoric coastal adaptations. University of California, Los Angeles, 347 pp. Chair: Gail Kennedy. D.A. 47(6):2210-A. Order no. DA8621106.
- LOWRY, PROTER PRESCOTT, II. (1986) A systematic study of three genera of Araliaceae endemic to or centered in New Caledonia: *Delarbrea*, *Myodocarpus*, and *Pseudosciadium*. Washington University, 264 pp. Chair: Peter H. Raven. D.A. 47(10):4042-B. Order no. DA8703498.
- MACKIE, CYNTHIA. (1986) Disturbance and succession resulting from shifting cultivation in an upland rainforest in Indonesian Borneo. Rutgers University, 251 pp. Director: George E. B. Morren, Jr. D.A. 47(11):4399-B. Order no. DA8704087.
- MARCOTTE, PAUL L. (1986) Farming systems research as a method for introducing sorghum in the Dominican Republic: a synthesis of the positivist and critical paradigms. University of Kentucky, 326 pp. Director: Lawrence Busch. D.A. 47(11):4204-A. Order no. DA8705279.
- MARKEY, DOUGLAS CLIVE. (1986) On the edge of empire: foodways in Western Australia, 1929-1979. The Pennsylvania State University, 530 pp. Advisor: Peirce F. Lewis. D.A. 47(7):2696-A. Order no. DA8623780.
- MARSHALL, FIONA BRIGID. (1986) Aspects of the advent of pastoral economies in East Africa. University of California, Berkeley, 329 pp. D.A. 47(7):2631-A. Order no. DA8624854.
- MARTIN, TERRANCE JOSEPH. (1986) A faunal analysis of Fort Ouiatenon, an eighteenth century trading post in the Wabash Valley of Indiana. Michigan State University, 542 pp. D.A. 47(9):3464-A. Order no. DA8700497.
- MASCARENHAS, OPHELIA CYRILLA. (1986) Adaptation or adoption? ecological and socio-economic implications of technological changes in smallholder food production systems. Clark University, 333 pp. Chief Instructor: Leonard Berry. D.A. 47(8):3155-A. Order no. DA8627761.
- MAY, LENORE WILE. (1987) The genus *Salvinia*: its biology, control, and economic utilization. Fordham University, 271 pp. Directors: John McLaughlin, George Dale. D.A. 48(1):30-B. Order no. DA8709231.
- McCULLOUGH, KAREN MARGRETHER. (1986) The Ruin Island phase of Thule culture in the Eastern High Arctic. University of Toronto. Supervisor: W. N. Irving. D.A. 47(10):3795-3796-A.
- McGRANAHAN, GORDON. (1986) Searching for the biofuel energy crisis in rural Java. University of Wisconsin-Madison, 399 pp. Supervisor: William C. Thiesenhusen. D.A. 47(8):3208-A. Order no. DA8618281.
- MEADOW, RICHARD HENRY. (1986) Animal exploitation in prehistoric Southeastern Iran: faunal remains from Tepe Yahya and Tepe Gaz Tavila-R 37, 5500-3000 BC. Harvard University, 905 pp. D.A. 47(11):4120-A. Order no. DA8704479.
- MICOZZI, MARC S. (1986) Childhood nutrition, growth and development: relations to the long-term risk of breast cancer in human populations. University of Pennsylvania, 249 pp. Supervisor: Francis E. Johnston. D.A. 47(7):2641-A. Order no. DA8624011.
- MILLER, ALBERTO. (1986) Economic prehistory at the Ancon Tank Site: a test of demographic explanations of agricultural origins in the Ancon-Chillon Region,

- Central Peruvian Coast. State University of New York at Binghamton, 212 pp. D.A. 47(5):1787-1788-A. Order no. DA8617888.
- MOREAU, C. (1986) Contribution à l'étude d'une plante utilisée en homéopathie: *Coffea arabica* Linn., famille des Rubiacées. [Contribution to the study of a plant used in homeopathy: *Coffea arabica* Linn., family Rubiaceae.] Université de Dijon, 66 pp. D.A. 48(1):128-C. Dissertation and abstract in French.
- MUGNIER, V. (1986) De l'utilisation des gommes, des gommes résines, des baumes, et des oléorésines depuis leurs origines jusqu'à la thérapeutique moderne à travers une vieille officine dijonnaise. [On the use of gums, gum resins, balsams, and oleoresins from their origins to modern therapy through an old apothecary's shop in Dijon.] Université de Dijon, 144 pp. D.A. 48(1):129-C. Dissertation and abstract in French.
- MURPHY, CHRISTOPHER PATRICK HUSSEY. (1985) Feasting and fasting: the meaning of Muslim food in Delhi. University of Virginia, 447 pp. D.A. 47(5):1894-A. Order no. DA8615559.
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