

**RECENT DOCTORAL DISSERTATIONS  
OF INTEREST TO ETHNOBIOLOGISTS:  
FALL 1992-FALL 1993**

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This is the eleventh in an annual series of bibliographies listing selected dissertations drawn from the pages of Dissertation Abstracts (D.A.). As in the past, this list was compiled 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 and economic botany. Dissertations categorized in D.A. under Agricultural Economics, Agriculture, American Studies, Anthropology, Biology, Botany, Chemistry, Ecology, Folklore, Geography, Health Science, Home Economics, Language, Linguistics, Paleocology, Physical Geography, Sociology and Zoology were considered for inclusion in the list. An attempt was made to be as inclusive as possible, but some dissertations may have been overlooked. Comments and suggestions would be welcome for items to include in next year's edition.

Dates covered by the present paper include: for Volume A, September 1992-August 1993; Volume B (Sciences and Engineering), September 1992-August 1993; and Volume C (Worldwide), Fall 1992-Fall 1993. 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 below alphabetically by author, along with the year of acceptance, title, institution, length, adviser or major professor, number(s) of the page(s) in D.A. on which the abstract may be found, University Microfilms order number, and the ISBN number when this information was included.

Most of the dissertations accepted at institutions in the United States, and some of those from Australia, Canada, South Africa, and the United Kingdom may be obtained from University Microfilms International, P.O. Box 1764, Ann Arbor, MI 48106-1346, either on microfilm or published by microfilm xerography. Quality of printed matter is generally excellent, but that of figures and photographs varies with the quality of the original. Current prices may be obtained by calling 800-521-3042; 313-761-4700 from Alaska, Hawaii, or Michigan; or 800-343-5299 from Canada. Further information may be obtained from UMI Disserta-

tions Information Service, 300 North Zeeb Road, Ann Arbor, MI 48106-1346, USA.

RESUMEN—En este bibliografía se incluyen disertaciones recientes de interés a los etnobiólogos. Por cada uno se D.A. el número de la página donde se halla el resumen en Dissertation Abstracts (D.A.), y el número de encargar un ejemplar de la disertación de University Microfilm International, P.O. Box 1764, Ann Arbor, MI 48106-1346 USA (teléfono: 313-761-4700 o 800-521-3042; desde Canada 800-343-5299).

RÉSUMÉ.—Cette bibliographie comprend quelques dissertations recentes d'intérêt aux ethnobiologistes. Chez chaque-une on donne le numéro de la page où se trouve le résumé dans Dissertation Abstracts (D.A.), et le numéro de commander un exemplaire de la dissertation de University Microfilm International, P.O. Box 1764, Ann Arbor, MI 48106-1346 USA (telephone: 313-761-4700 ou 800-521-3042; de Canada 800-343-5299).

- Adang, Arief. 1991. Microorganisms in tape ketela (Indonesian fermented cooked cassava) fermentation. University of Reading (United Kingdom), 238 pp. D.A. 53(5):2113-B. Order no. BRDX96886.
- Ahlbäck, Arnold Johannes. 1992. Mobilizing rural people of Tanzania to plant trees: rationale and approach (volumes I-III). University of Minnesota, 430 pp. D.A. 53(10):5021-B. Order no. DA9306494.
- Allen, Melinda Sue. 1992. Dynamic landscapes and human subsistence: Archaeological investigations on Aitutaki Island, southern Cook Islands. University of Washington, 577 pp. D.A. 54(1):222-A. Order no. DA9312646.
- Aunger, Robert Vincent, Jr. 1992. An ethnography of variation: Food avoidances among horticulturalists and foragers in the Ituri Forest, Zaire. University of California, Los Angeles, 367 pp. Chair: Robert C. Bailey. D.A. 53(9):3268-A. Order no. DA9302435.
- Bas, Valérie. 1992. Etude bibliographique du genre *Terminalia* (combrétacées) (Bibliographic study of the genus *Terminalia* (Combretaceae)). Université de Dijon (France), 83 pp. D.A. 54(3):829-C. Dissertation and abstract in French.
- Bernstein, Jay Hillel. Taman ethnomedicine: The social organization of sickness and medical knowledge in the Upper Kapuas. University of California, Berkeley, 352 pp. Chair: George A. DeVos. D.A. 53(5):1568-A. Order no. DA9228574.
- Bikai, Pierre Michel. 1991. The Cedar of Lebanon: Archaeological and dendrochronological perspectives. University of California, Berkeley, 424 pp. Chair: David Stronach. D.A. 53(8):2863-A. Order no. DA9228575.
- Bilounga Maze, Tamar Ruth. 1992. Les champignons termitophiles du centre et sud du Cameroun (*Termitomyces* mushrooms of central and southern Cameroon). Université de Dijon (France), 58 pp. D.A. 54(1):237-C. Dissertation and abstract in French.
- Booth, Sarah. 1992. Indigenous green vegetables used as food and medicine by the K'ekchi people of Alta Verapaz, Guatemala. McGill University (Canada), 311 pp. ISBN 0-315-74594-0. D.A. 54(1):172-B. Order no. DANN74594.
- Boxt, Matthew A. 1993. Archaeological inquiry at Sarteneja: A report on community patterning, diet, and economy at an ancient coastal Maya site in north-

- ern Belize. University of California, Los Angeles, 402 pp. Chair: Harry B. Nicholson. D.A. 54(2):570-A. Order no. DA9317896.
- Burke, Ariane Michelle. 1992. Prey movements and settlement patterns during the Upper Palaeolithic in Southwestern France. New York University, 321 pp. Adviser: Randall White. D.A. 53(8):2864-A. Order no. DA9237927.
- Carlson, Catherine Carroll. 1992. The Atlantic salmon in New England prehistory and history: Social and environmental implications. University of Massachusetts, 314 pp. Director: Dena F. Dincauze. D.A. 53(6):1982-A. Order no. DA9233037.
- Carranza, Jorge Luis Vargas. 1991. Costa Rica: Indígenas y prácticas agrícolas sostenibles en áreas de bosque tropical húmedo (Indigenous peoples and sustainable agricultural practices in the humid tropical forest). (Dissertation and abstract in Spanish.) Université Laval (Canada), 246 pp. ISBN:0-315-68616-2. Directeur: Paul-Yves Denis. D.A. 53(8):2934-A. Order no. DANN68616.
- Carter, Elizabeth Jane. 1991. Tree cultivation on private land in the middle hills of Nepal: a village perspective. University of Oxford (United Kingdom), 467 pp. D.A. 53(5):2117-B. Order no. BRD-96788.
- Carucci, James. 1992. Cultural and natural patterning in prehistoric marine food-shell from Palau, Micronesia. Southern Illinois University at Carbondale, 287 pp. Major Professor: George J. Gumerman. D.A. 53(10):3574-A. Order no. DA9305363.
- Chichón, Avecita del Carmen. 1992. Chimane resource use and market involvement in the Beni Biosphere Reserve, Bolivia. University of Florida, 285 pp. Chairperson: Marianne Schmink. D.A. 53(10):3576-A. Order no. DA9303976.
- Collins, Sara Lois. 1992. Diet and nutrition in Hawaiian prehistory: A study of the nutritional status represented by the Keopu burials. University of Toronto (Canada), 249 pp. ISBN:0-315-73906-1. D.A. 53(12):4375-A. Order no. DANN73906.
- Cowell, Charles Mark. 1992. Historical change in Georgia piedmont forests: Human and environmental influences. University of Georgia, 193 pp. Director: Albert J. Parker. D.A. 53(7):2499-2500-A. Order no. DA9235384.
- Dai, Jin-Rui. 1992. Cytotoxic constituents of three South American and Indonesian medicinal plants [*Baccharis articulata*, *Entada phaseoloides*, and *Fibraurea chloroleuca*]. University of Illinois at Chicago, Health Sciences Center, 217 pp. D.A. 53(5):2265-2266-B. Order no. DA9226355.
- D'andrea, Angela Catherine. 1992. Palaeoethnobotany of later Jomon and Yayoi cultures of northeastern Japan: Northeastern Aomori and southwestern Hokkaido. University of Toronto (Canada), 373 pp. ISBN:0-315-73904-5. D.A. 53(12):4376-A. Order no. DANN73904.
- de Champs de Saint Leger, Anne Bernigaud. 1991. Mise au point sur la chimie des glucoalcaloides des solanacées: étude botanique, toxicologie, et usages thérapeutiques de quelques solanum indigènes (On the chemistry of Solanaceae alkaloids: botanical study, toxicology, and therapeutic uses of some indigenous *Solanum*). Université de Dijon (France), 71 pp. 54(2):532-533-C.
- Dialla, Basga Emile. 1992. The adoption of soil conservation practices in Burkina Faso: The role of indigenous knowledge, social structure and institutional support. Iowa State University, 204 pp. Supervisor: Peter F. Korsching. D.A. 53(3):865-A. Order no. DA9223923.

- Draper, Neale. 1991. Cape du Couedic rockshelter and the Aboriginal archaeology of Kangaroo Island, South Australia. Volumes I and II. The University of New Mexico, 1,147 pp. D.A. 53(8):2864-A. Order no. DA9229035.
- Duncan, Faith Louise. 1992. Botanical reflections of the *encuentro* and the contact period in southern Marin County, California. The University of Arizona, 509 pp. Director: William A. Longacre. D.A. 53(11):3962-3963-A. Order no. DA9307643.
- Emphandhu, Dachanee. 1992. Land use and public participation as a conflict management tool in park management planning process: a case study of Doi Inthanon National Park in Thailand. University of Washington, 209 pp. Order no. DA9312675. D.A. 54(1):14-B.
- Encarnación Dimayuga, Rosalba. 1992. Pharmacognostical studies of the natural resources from Baja California Sur, Mexico. Uppsala Universitet (Sweden), 36 pp. ISBN: 91-554-3001-5. D.A. 54(3):830-831-C.
- Eriksson, Jemt Anna. 1992. Natural history of xerotherm vegetation and landscapes on Stora Karlsö, an island in the western Baltic Basin, Sweden. Uppsala Universitet (Sweden), 78 pp. ISBN: 91-7388-068-X. D.A. 54(1):147-148-C.
- Follér, Maj-Lis Annette. 1990. Environmental changes and human health: a study of the Shipibo-Conibo in eastern Peru. Göteborgs Universitet (Sweden), 296 pp. D.A. 53(1):61-C.
- Fullas, Fekadu. 1992. Structure elucidation of bioactive constituents of *Baccharis gaudichaudiana*. University of Illinois at Chicago, Health Sciences Center, 221 pp. Order no. DA9226357. D.A. 53(5):2266-B.
- Gardner, Paul Shellie. 1992. Diet optimization models and prehistoric subsistence change in the Eastern Woodlands. The University of North Carolina at Chapel Hill, 434 pp. Chairman: Bruce Winterhalder. D.A. 53(9):3265-A. Order no. DA9302525.
- Geller, Jeremy Roger. 1992. Predynastic beer production at Hierakonpolis, upper Egypt: Archaeological evidence and anthropological implications. Washington University, 240 pp. Chairperson: Patty Jo Watson. D.A. 53(7):2428-A. Order no. DA9234312.
- Graf, Willi. 1992. Innovation in small farmer agriculture and the role of research: the case of Rwanda. Eidgenössische Technische Hochschule Zürich (Switzerland), 158 pp. D.A. 53(4):647-648-C.
- Gunnarsson, Allan. 1993. Frukträden och paradiset: om frukträden som betydelsebärare (The fruit tree and paradise: on the fruit tree as a bearer of significance). Sveriges Lantbruksuniversitet (Sweden), 397 pp. ISBN: 91-576-4645-7. D.A. 54(3):700-C. Dissertation in Swedish.
- Hanson, Diane Kay. 1991. Late prehistoric subsistence in the Strait of Georgia region of the Northwest Coast. Simon Fraser University (Canada), 477 pp. ISBN:0-315-69441-6. Supervisor: Jonathan C. Driver. D.A. 53(8):2864-A. Order no. DANN69441.
- Hart, John Paxton. 1992. A critique of the adaptive-type concept in Eastern Woodlands prehistory. Northwestern University, 279 pp. Chairperson: James A. Brown. D.A. 53(6):1982-1983-A. Order no. DA9229914.
- Hartzell, Leslie Louise. 1992. Hunter-gatherer adaptive strategies and lacustrine environments in the Buena Vista Lake Basin, Kern County, California. University of California, Davis, 392 pp. D.A. 53(9):3266-A. Order no. DA9302600.

- Hensel, Chase. 1992. Where it's still possible: Subsistence, ethnicity and identity in S.W. Alaska. University of California, Berkeley, 336 pp. Chair: John J. Gumperz. D.A. 53(10):3577-A. Order no. DA9304939.
- Herrera González, María Dolores. 1990. Estudio farmacológico de *Geista tridentata* L.: acción de genistein sobre la musculatura lisa (Pharmacological study of *Geista tridentata* L.: action of genistein on smooth muscle). Universidad de Sevilla (Spain), 167 pp. ISBN: 84-7405-556-3. D.A. 54(1):231-232-C. Dissertation in Spanish.
- Herzog, Felix Michael. 1992. Etude biochimique et nutritionnelle des plantes alimentaires sauvages dans le sud du V-Baoulé, Côte d'Ivoire (Biochemical and nutritional study of wild food plants in the south of the V-Baoulé, Côte d'Ivoire). Eidgenössische Technische Hochschule Zürich (Switzerland), 122 pp. 54(2):448-C. Dissertation in French.
- Hofmann, Regina. 1989. Färbepflanzen (Dye plants). University of Vienna (Austria), 260 pp. D.A. 54(1):87-C. Dissertation in German.
- Jacob, John Soren. 1992. The agroecological evolution of Cobweb Swamp, Belize. Texas A&M University, 238 pp. D.A. 54(1):1-2-B. Order no. DA9315078.
- Kardono, Leonardus Broto Sugeng. 1992. Structure elucidation of bioactive constituents of two Indonesian medicinal plants [*Plumeria rubra* and *Euromycoma longifolia*]. University of Illinois at Chicago, Health Sciences Center, 221 pp. D.A. 53(5):2322-B. Order no. DA9226360.
- Kaus, Andrea. 1992. Common ground: Ranchers and researchers in the Mapimi Biosphere Reserve. University of California, Riverside, 449 pp. Co-Chairpersons: David B. Kronenfeld; Arturo Gómez-Pompa. D.A. 54(1):227-A. Order no. DA9314129.
- Kaleque, T.M. Kibriaul. 1992. People, forests and tenure: the process of land and tree tenure change among the Garo of Madhupur Garh forest, Banglaesh. Michigan State University, 285 pp. D.A. 54(1):14-15-B. Order no. DA931497.
- Kreutzer, Lee Ann. 1992. Taphonomy of the Mill Iron, Montana (24CT30) bison bone bed. University of Washington, 325 pp. Chairperson: D.K. Grayson. D.A. 54(1):223-A. Order no. DA9312696.
- Laden, Gregory Thomas. 1992. Ethnoarchaeology and land use ecology of the Efe (Pygmies) of the Ituri Rain Forest, Zaïre. Harvard University, 302 pp. Adviser: Irven DeVore. D.A. 53(5):1573-A. Order no. DA9228345.
- Lambert, Dean Paul. 1992. Changes in a tropical dry forest shifting cultivation system, Guerrero, Mexico. The University of Texas at Austin, 414 pp. Supervisor: William E. Doolittle. D.A. 53(4):1242-A. Order no. DA9225641.
- LeDeist, Anne. 1992. Activités immunomodulatrices chez les plants supérieurs. Etude de quelques genres: *Malva* L., *Aloe* L., *Azadirachta* Juss. A., *Melia* L., *Panax* L. (Immunomodulatory activity of higher plants. Studies on some genera: *Malva* L., *Aloe* L., *Azadirachta* Juss. A., *Melia* L., *Panax* L.). Université de Dijon (France), 140 pp. D.A. 54(1):233-C. Dissertation and abstract in French.
- Levrais, Marie-Pierre. 1991. Le genre *Vernonia*: études botanique, chimique et pharmacologique (Botanical, chemical, and pharmacological study of the genus *Vernonia*). Université de Dijon (France), 66 pp. D.A. 54(2):531-C. Dissertation and abstract in French.
- Likhitwitayawuid, Kittisak. 1992. Anticancer and antimalarial agents from Thai

- medicinal plants [*Stephannia erecta*, *S. pierrei*, and *Crinum amabile*]. University of Illinois at Chicago, Health Sciences Center, 191 pp. D.A. 53(12):6245-B. Order no. DA9310098.
- Lindstrom, Susan G. 1992. Great Basin fisherfolk: Optimal diet breadth modeling the Truckee River aboriginal subsistence fishery. University of California, Davis, 335 pp. D.A. 53(6):1983-A. Order no. DA9232854.
- Mabry, Jonathan Blum. 1992. Alluvial cycles and early agricultural settlement phases in the Jordan Valley. The University of Arizona, 393 pp. Director: John W. Olsen. D.A. 53(11):3964-A. Order no. DA9310595.
- Mandryk, Carole Stein. 1992. Paleoecology as contextual archaeology: Human viability of the late Quaternary ice-free corridor, Alberta, Canada. University of Alberta (Canada), 408 pp. ISBN:0-315-73060-9. D.A. 53(12):4376-A. Order no. DANN73060.
- Mariani, Ann-Carole. 1991. Contribution à l'étude d'un médicament homeopathique: *Arsenium album* (Contribution to a study of a homeopathic drug: *Arsenium album*). Université de Dijon (France), 52 pp. D.A. 53(1):100-C. Dissertation and abstract in French.
- Markowitz, Lisa Beth. 1992. Pastoral production and its discontents: Alpaca and sheep herding in Caylloma, Peru. University of Massachusetts, 246 pp. Director: Sylvia Helen Forman. D.A. 53(6):1987-A. Order no. DA9233102.
- Maschner, Herbert Donald Graham. 1992. The origins of hunter and gatherer sedentism and political complexity: A case study from the northern Northwest Coast. University of California, Santa Barbara, 393 pp. Chairman: Michael Jochim. D.A. 54(2):571-A. Order no. DA9317187.
- Matowanyika, Joseph Zano Zvapera. 1991. Indigenous resource management and sustainability in rural Zimbabwe: An exploration of practices and concepts in commonlands. University of Waterloo (Canada), 413 pp. ISBN:0-315-72517-6. D.A. 53(11):4040-4041-A. Order no. DANN72517.
- McCorriston, Joy. 1992. The early development of agriculture in the ancient Near East: An ecological and evolutionary study. Yale University, 436 pp. Adviser: Frank A. Hole. D.A. 53(7):2429-A. Order no. DA9235550.
- McDonald, Alison Meg. 1992. Indian Hill Rockshelter and aboriginal cultural adaptation in Anza-Borrego Desert State Park, southeastern California. University of California, Riverside, 480 pp. Chirperson: Philip J. Wilke. D.A. 54(1):224-A. Order no. DA9314135.
- Mione, Thomas. 1992. The systematics and evolution of *Jaltomata* (Solanaceae). University of Connecticut, 169 pp. D.A. 53(12):6083-B. Order no. DA9310250.
- Montaño, Mario. 1992. The history of Mexican folk foodways of South Texas: Street vendors, offal foods, and *barbacoa de cabeza*. University of Pennsylvania, 421 pp. Supervisor: Don Yoder. D.A. 53(11):4037-A. Order no. DA9308630.
- Mühlbacher-Parzer, Alfred. 1990. Vergleichende Enturicklung der Pflanzenabbildung: von der Spätantiker bis zum Biedermeier (Comparative development of plant illustration from Late Antiquity to the Biedermeier period). Universität Salzburg (Austria), 787 pp. D.A. 54(2):462-C. Dissertation in German.
- Musil, Robert Royce. 1992. Adaptive transitions and environmental change in the northern Great Basin: A view from Diamond Swamp. University of Oregon, 413 pp. Adviser: C. Melvin Aikens. D.A. 53(8):2865-A. Order no. DA9238946.

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- Narashima, Douglas J. 1991. The ecological knowledge of Belcher Island Inuit: A traditional basis for contemporary wildlife co-management. McGill University (Canada), 392 pp. ISBN:0–315–74711–0. D.A. 54(1):280–A. Order no. DANN74711.
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- Ngassapa, Olipa. 1992. Bioactive constituents of *Kokoona ochracea* (Celastraceae) and *Tetrapleura tetraptera* (Leguminosae). University of Illinois at Chicago, Health Sciences Center, 187 pp. D.A. 53(12):6246–B. Order no. DA9310102.
- Pagnon, Claudine. 1992. Les Aracées indigènes: étude botanique, toxicologique et utilisations pratiques (Indigenous aroids: a study of botany, toxicology, and practical use). Université de Dijon (France), 119 pp. D.A. 54(3):831–C. Dissertation and abstract in French.
- Patterson, Steven David. 1992. In search of a Mesoamerican floricultural tradition: Ceremonial and ornamental plants among the Yucatecan Maya. University of California, Los Angeles, 176 pp. Chair: Jonathan D. Sauer. D.A. 53(8):2935–A. Order no. DA9301943.
- Paulson, Deborah D. 1992. Forest depletion, village agriculture and social change in rural Western Samoa: A case study. University of Hawaii, 402 pp. Chairperson: Nancy D. Lewis. D.A. 53(6):2056–A. Order no. DA9230511.
- Pieters, Luc. 1992. The biologically active constituents of "sangre de drago," a traditional South American drug [from *Croton* spp.]. Universitaire Instelling Antwerpen (Belgium), 216 pp. D.A. 53(6):2803–2804–B. Order no. DA9231869.
- Romero Rodriguez, María de los Angeles. 1991. Estudio de diferentes frutas como nuevas fuentes en alimentación (Study of different fruits for new sources of nourishment). Universidad de Santiago de Compostela (Spain). ISBN: 84–7191–771–8. D.A. 54(2):452–453–C.
- Sahuquillo, Balbuena, Elvira. 1991. Taxonomía e identificación de los trigos cultivados en Galicia (Taxonomy and identification of cultivated wheat in Galicia). Universidad de Santiago de Compostela (Spain). ISBN: 84–7191–822–6. D.A. 54(2)462–C. Dissertation in Spanish
- Sharp, Nancy Dee. 1992. Fremont farmers and hunters: Faunal resource exploitation at Nawthis Village, central Utah. University of Washington, 282 pp. Chairperson: Donald K. Grayson. D.A. 53(6):1984–A. Order no. DA9230432.
- Tan, Ghee Teng. 1992. Natural products as inhibitors of human immunodeficiency virus reverse transcriptases. University of Illinois at Chicago, Health Sciences Center, 246 pp. D.A. 53(8):4011–4012–B. Order no. DA9238026.
- Taylor, Colin F. 1991. Reading Plains Indian artefacts: their symbolism as cultural and historical documents. University of Essex (United Kingdom). D.A. 54(2): 398–399–C.
- Van den Abeele, Baudoin L.R. 1991. The Latin treatises on falconry of the Middle

- Ages. Université Catholique de Louvain (Belgium), 1020 pp. D.A. 54(2):412-C. Dissertation in French.
- Van Houten, Trudy Mary Margaret. 1992. The faunal bones from Toromoja I and Gwi Pan West: A case study and critical review of interpretive methods. University of Pennsylvania, 345 pp. Supervisor: Alan E. Mann. D.A. 53(11): 3965-A. Order no. DA9308674.
- Vezev, Edward Lee. 1992. Application of quantitative image analysis and multivariate techniques in palynology. University of Oklahoma, 128 pp. D.A. 53(3): 1264-B. Order no. DA9223077.
- Vierra, Bradley Joseph. 1992. Subsistence diversification and the evolution of microlithic technologies: A study of the Portuguese Mesolithic. The University of New Mexico, 486 pp. Adviser: Lawrence G. Straus. D.A. 53(5):1567-A. Order no. DA9229040.
- Weinstein, Eri Nattan. 1992. The recovery and analysis of paleoethnobotanical remains from an eighteenth century shipwreck. Texas A & M University, 205 pp. Chair: Vaughn M. Bryant, Jr. D.A. 53(6):1984-A. Order no. DA9232588.
- Zent, Stanford Rhode. 1992. Historical and ethnographic ecology of the upper Cua River Woth—ha: Clues for an interpretation of native Guianese social organization. Columbia University, 439 pp. Adviser: Libbet Crandon-Malamud. D.A. 54(1):228-229-A. Order no. DA9313709.

## BOOK REVIEW

**Pollen Flora of Maharashtra State, India.** T.S. Nayer, New Delhi, India: Today and Tomorrow's Printers and Publishers, 24B/5, D.B. Gupto Road, New Delhi 110005, India; Houston, TX: Scholarly Publications, 7310 El Cresta Drive, Houston, TX 77083, U.S.A. Pp. xi, 157, 67 plates.

The study of pollen in regions as distant and different floristically as that of the state of Maharashtra in India represents a most welcome addition to palynology. This book is the product of intensive and extensive scholarly research and will long remain a consultative work for botanists in general.

Following Takhtajan's system of classifications it treats pollen in 87 families. The first chapter provides an excellent detailed discussion of the principles of palynology. Chapter 2 concerns methodology and discussion of terminology, microphotography, nomenclature, illustrations and family arrangements. Chapter 3 outlines aspects involved in pollen keys. The fourth chapter offers systematic descriptions of pollen by families, genera, and species. There follow an extremely extensive selected bibliography, glossary of palynological terms, and a scientific index. The 67 plates, each with 6 or more microphotographs, are of the highest quality. The author must be congratulated for producing such a masterly piece of research.

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Cambridge, Massachusetts