



THE NEW YORK BOTANICAL GARDEN



Springer

Review: [untitled]

Author(s): Richard Evans Schultes

Source: *Economic Botany*, Vol. 38, No. 3 (Jul. - Sep., 1984), p. 370

Published by: Springer on behalf of New York Botanical Garden Press

Stable URL: <http://www.jstor.org/stable/4254661>

Accessed: 13/08/2010 09:22

Your use of the JSTOR archive indicates your acceptance of JSTOR's Terms and Conditions of Use, available at <http://www.jstor.org/page/info/about/policies/terms.jsp>. JSTOR's Terms and Conditions of Use provides, in part, that unless you have obtained prior permission, you may not download an entire issue of a journal or multiple copies of articles, and you may use content in the JSTOR archive only for your personal, non-commercial use.

Please contact the publisher regarding any further use of this work. Publisher contact information may be obtained at <http://www.jstor.org/action/showPublisher?publisherCode=nybg>.

Each copy of any part of a JSTOR transmission must contain the same copyright notice that appears on the screen or printed page of such transmission.

JSTOR is a not-for-profit service that helps scholars, researchers, and students discover, use, and build upon a wide range of content in a trusted digital archive. We use information technology and tools to increase productivity and facilitate new forms of scholarship. For more information about JSTOR, please contact support@jstor.org.



New York Botanical Garden Press and Springer are collaborating with JSTOR to digitize, preserve and extend access to *Economic Botany*.

<http://www.jstor.org>

N-fixation in North American forestry; (10) biological N-fixation in European silviculture; (11) N-fixation in southeast Asian forestry; and (12) biological N-fixation in Australia and New Zealand. Each chapter ends with a bibliography varying, according to the topic discussed, from 37 to 280 items. Several chapters include lists of research workers with their addresses, a most helpful aspect to researchers in general.

The book is oriented toward use by foresters and land managers, but its utility far transcends these limited specialists. Because of its summary type of presentation of broad topics, the book may be recommended to students in biochemistry and physiology and to agricultural researchers.

RICHARD EVANS SCHULTES, BOTANICAL MUSEUM, HARVARD UNIVERSITY,
CAMBRIDGE, MA 02138

Paleoethnobotany of the Kameda Peninsula Jomon. Gary W. Crawford. 200 pp. illus. Anthropological Papers No. 73, Museum of Anthropology, University of Michigan, Ann Arbor, 1983. Price not given.

This comprehensive book, a revised version of a doctoral dissertation prepared at the University of North Carolina, comprises an investigation of prehistoric resource utilization. Its aims are to collect, report, and interpret archaeological data on plant utilization by the Jomon people of southwestern Hokkaido, Japan; to study the adaptations from 8000 B.P. to 4000 B.P. in the context of human and plant interrelationships; to test problems derived from a study of recent plant remains; and to make inferences on the general success of Jomon adaptation in northwestern Japan.

The monograph has seven major sections: (1) introduction, (2) identification of plant remains and ecological data, (3) methodology, (4, 5, and 6) plant remains from several sites, and (7) interpretation and conclusions. There are four appendices: (1) vegetation of Minamikayabe, (2 and 3) flotation samples from two sites, and (4) plant remains from the Seizan site. The bibliography comprises 200 items. An abstract of this study, in Japanese, is at the beginning of the book.

This contribution is truly a major addition to the growing wealth of archaeoethnobotanical literature. The author is to be congratulated on his furtherance of analytical research in this field.

RICHARD EVANS SCHULTES, BOTANICAL MUSEUM, HARVARD UNIVERSITY,
CAMBRIDGE, MA 02138

New Frontiers in Food Microstructure. Edited by D. B. Bechtel. 400 pp. illus. American Association of Cereal Chemists, St. Paul, Minnesota, 1983. \$42.00 (members); \$48.00 (non-members).

A valuable volume containing much hard-to-obtain information, this book consists of papers presented at the 67th Annual Meeting of the American Association of Cereal Chemists and two invited papers. It comprises primarily procedures and techniques in great variety from the simplest to the most highly sophisticated, emphasizing how the use of microscopic techniques in studying food structure can lead to understanding of end-use properties, especially in recently developed techniques.

There are 12 chapters. The range will be clear from the titles: (1) "Historic Perspective of Food Structure," (2) "Microspectrophotometric Applications in Plant Science Research," (3) "Polarization Microscopy," (4) "Fluorescence Microscopy in Identification of Cereal Carbohydrates," (5) "Scanning Electron Microscopy and Histochemistry of Oil Seeds," (6) "Scanning Electron Microscopy of Cereal Grains," (7) "Freeze-fracture, Freeze-etch Tech-