

for 43 years before it poked its first leaves over the soil. It is vegetating in good health and is a rarity in this country. The enclosed pictures (Fig. 2) show the long spines surrounding the trunk. The label is the original glazed china by Gen. Ricasoli. Other pictures (Fig. 1) show a lovely cluster of *Nannorrhops ritchiana* at the foot of a war-scarred *Washingtonia filifera* soaring over 70 ft. *Nannorrhops* is very rare here as is *Jubaea chilensis*.

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To the Editor
 Re: Jul 89 issue, p. 151

Chuck Hubbuch raises the interesting question of Talipots flowering in the Caribbean. While I was in Trinidad from April 1954 to June 1955, one at the botanic

garden there went through its entire reproductive cycle.

John V. Watkins reports in *Gardens of the Antilles* that two Talipots were in flower during his first visit to Hope Gardens in Jamaica, but doesn't give the year. From the evidence, it may be deduced that it was a summer between 1946 and 1951. Thus, the event would antedate the 1952 flowering at Atkins Garden in Cuba.

I hope these tidbits are of some interest to palm historians and botanists. The records of the Hope and Trinidad botanic gardens should yield more precise information.

JOHN E. SWISHER

P.S. While I was in Trinidad they also had four Double Coconut palms started from seed in 1926—not from the Seychelles, but from the Demerara Botanic Gardens in what is now Guyana. As I recall, there was a mature female specimen they had pollinated—successfully, it appeared.

Principes, 35(2), 1991, pp. 113–115

PALM RESEARCH, 1990

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The new decade seems an appropriate time to continue a feature of *Principes*, "Palm Research." Please bring to our

attention any research on palms, current or planned, so we can include it.

A massive compendium of knowledge on the usefulness of palms. The main part of the work consists of abstracts of published papers on useful palms, and there is an elaborate cross-referencing system that allows easy access to the information.

Ecuadorean Palms for Agroforestry.

By H. Borgtoft Pedersen and H. Balslev.
 AAU Report 23, Botanical Institute,
 Aarhus University, in collaboration with
 Pontificia Universidad Católica. ISBN
 87-87600-30-7. 1990. 122 pp. 80 Dkr.

Books Published During 1990

The Structural Biology of Palms. By P. B. Tomlinson. Oxford University Press, Walton Street, Oxford OX2 6DP, England. ISBN 0-19-854572-X. 1990. 477 pp. \$98.00

There is no doubt that this is the palm book of the year. A review will appear in *Principes*.

Useful Palms of the World: A Synoptic Bibliography. Compiled and Edited by M. Balick and H. Beck and collaborators. Columbia University Press, New York. 1990. 724 pp. \$50.00

A review of palms in agroforestry, followed by a detailed discussion of five palms in Ecuador (*Astrocaryum jauari*, *Mauritia flexuosa*, *Jessenia bataua*, *Ammandra natalia*, *Euterpe chaunostachys*).

Palmeiras em Chamas. By P. May. EMAPA, FINEP, Ford Foundation, São Luís, Brazil. 328 pp. Price unknown.

A detailed history, in Portuguese, of the interaction of the babaçu palm (*Orbignya phalerata*) and local people and changing economics in northeastern Brazil. The title means "Palms in Flames."

The following two books, although published in 1989, are included here because of their outstanding interest to Palm Society members.

Sertum Palmarum Brasiliensium. By J. Barbosa Rodrigues. Tomos 1 & 2. Publicação do Jardim Botânico de Rio de Janeiro, Brazil. ISBN 85-208-0119-6. 1989. 254 pp, 174 color plates. Price unknown.

A very good quality reprint, in reduced format and in one volume, of this famous two volume, folio work which was originally

published in 1903. It was previously available only in a few libraries. Taxonomists will want to own it, and non-taxonomic palm lovers will want to buy it for its color plates, originally painted by Barbosa Rodrigues.

Palms of the South-west Pacific. By J. L. Dowe. Palm and Cycad Societies of Australia, Queensland, Australia. ISBN 0-9587931-3-1. 198 pp. \$29.95.

This is a wonderful book, full of color and black-and-white photographs, together with information on each of the 77 palms native to the region.

General Interest Articles Published in 1990

- AL SHOWIMAN, S. S. 1990. Chemical composition of some date palm seeds (*Phoenix dactylifera*) in Saudi Arabia. Arab Gulf Journal of Scientific Research 8: 15-24.
- BARFOD, A. S., H. B. PEDERSEN, AND B. BERGMAN. 1990. The vegetable ivory industry still exists and is doing fine in Ecuador. Economic Botany 44: 293-300.
- CLANCY, K. AND M. J. SULLIVAN. 1990. Distribution of the needle palm, *Rhapidophyllum hystrix*. Castanea 55: 31-39.
- DIETRICH, H. 1990. Palmen auf Kuba. Gartenpraxis 1: 50-53.
- DRANSFIELD, J. 1990. Outstanding problems in Malaysian palms. In: P. Baas et al. (eds.) The plant diversity of Malesia. Kluwer Academic Publishers, Dordrecht, pp. 17-25.
- AND V. RANDRIANOSOLO. 1990. Plants in peril, 14. Kew Magazine 7: 90-95.
- GRANVILLE, J.-J. DE. (1989) 1990. La distribución de las palmas in Guyana Francesa. Acta Amazonica 19: 115-138.
- KAHN, F. AND K. MEJIA. 1990. Palm communities in wetland forest ecosystems of Peruvian Amazonia. Forest Ecology and Management 33/44: 169-179.
- LOCKETT, L. AND R. W. READ. 1990. Extension of native range of *Sabal mexicana* (Palmae) in Texas to include Central coast. Sida 14: 79-85.
- NAUMAN, C. E. 1990. Electrophoretic analysis of palm hybrids: a research update. Fairchild Tropical Garden Bulletin 45(2): 31-34.
- RUSSEL-SMITH, J. AND D. LUCAS. 1990. Notes on the natural distribution of *Ptychosperma bleeseri*. Palms & Cycads 26: 8-10.

Taxonomic Papers Published in 1990

- BALINT, D. 1990. The genus *Areca* in Sarawak. *Palms & Cycads* 28: 2-9.
- BARFOD, A. S. 1991. A monographic study of the subfamily Phytelphantoideae (Arecaceae). *Opera Botanica* 105: 1-73.
- DRANSFIELD, J. 1990. Notes on rattans (Palmae: Calamoideae) occurring in Sarawak, Borneo. *Kew Bulletin* 45: 73-99.
- FERNANDO, E. F. 1990. The genus *Heterospatha* in the Philippines. *Kew Bulletin* 45: 219-234.
- GALEANO, G. AND R. BERNAL. 1990. La identidad de *Scheelea insignis* (Palmae). *Caldasia* 16: 10-13.
- HENDERSON, A. 1990. Arecaceae. Part I. Introduction and the Iriarteinae. *Flora Neotropica Monograph* 53: 1-100.
- HODEL, D. R. 1990. Three new species of *Chamaedorea* (Arecaceae) from Oaxaca, Mexico. *Phytologia* 68: 401-409.
- . 1990. *Chamaedorea castillo-montii* (Arecaceae), a new species from Guatemala. *Phytologia* 68: 401-409.
- AND J. J. CASTILLO MONT. 1990. Two new species of *Chamaedorea* (Arecaceae) from Guatemala. *Phytologia* 68: 390-396.
- KAHN, F. 1990. Las Palmeras del Arboletum Jenaro Herrera (Province de Requena, Departamento de Loreto, Perú). *Candollea* 45: 341-362.
- MORAES, M. AND A. HENDERSON. 1990. The genus *Parajubaea* (Palmae). *Brittonia* 42: 92-99.
- READ, R. AND D. HODEL. 1990. Arecaceae. Palm Family. In: W. L. Wagner, D. R. Herbst, and S. H. Sohmer. *Manual of the flowering plants of Hawai'i*. Volume 2. Bishop Museum Special Publication 83, pp. 1360-1375.

- SAW, L. G. AND J. DRANSFIELD. 1990. A new species of *Licuala* from Peninsular Malaysia. *Gard. Bull. Singapore* 42: 71-73.
- SILBERBAUER-GOTTSBERGER, I. 1990. Pollination and evolution in palms. *Phyton* 30(2): 213-233.
- SPICHIGER, R. ET AL. 1990. Contribucion a la flora de la Amazonia Peruana. *Los Arboles del Arboletum Jenaro Herrera*. Vol. 2: Linaceae a Palmae. *Boissiera* 44: 565 pp.
- ZONA, S. 1990. A monograph of *Sabal* (Arecaceae: Coryphoideae). *Aliso* 12: 583-666.

Scientific Meetings in 1990

- V Congreso Latinoamericano de Botánica, La Habana, Cuba. 24-29 June 1990. At least 16 papers on palms were presented at this meeting.
- 41st American Institute of Biological Sciences Annual Meeting, Richmond, Virginia. 5-9 August 1990. Four papers on palms presented.
- XLI Congresso Nacional de Botânica, Fortaleza, Brazil. 21-27 January 1990. Five papers on palms presented.

Future Meetings of Interest

- Palms in Tropical Rainforests. A meeting in September 1991 in Iquitos, Peru, being organized by Dr. Francis Kahn, ORSTOM, Lima, Peru.

BOOKSTORE

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| *A GUIDE TO THE MONOCOTYLEDONS OF PAPUA NEW GUINEA, PART 3, PALMAE (R. J. Johns and A. J. M. Hay, Eds., 1984, 124 pp.) | 8.00 | TROPICO (in Spanish, A. Braun, 1988, 65 pp., some color and line drawings) | 9.95 |
| COCONUT PALM FROND WEAVING (Wm. H. Goodloe, 1972, 132 pp.) | 4.95 | EXOTICA (4) (A. Graf, pictorial encyclopedia, 2 vols., including 250 plant families, 16,600 illust., 405 in color, 2590 pp.) | 187.00 |
| *COCONUT RESEARCH INSTITUTE, MANADO (P. A. Davis, H. Sudasrip, and S. M. Darwis, 1985, 165 pp., 79 pp. color) | 35.00 | *FLORE DES MASCAREIGNES (La Reunion, Maurice Rodrigues, 1984, 31 pp.) | 5.00 |
| CULTIVATED PALMS OF VENEZUELA (A. Braun, 1970, 94 pp. and 95 photographs.) | 7.95 | FLORIDA PALMS, Handbook of (B. McGeachy, 1955, 62 pp.) | 2.95 |
| EL CULTIVO DE LAS PALMAS EN EL | | FLORIDA TREES AND PALMS (L. and B. Maxwell, 30 palm species, 120 pp.) | 6.00 |
| | | GENERA PALMARUM (N. W. Uhl and J. Dransfield, 610 pp.) | 74.95 |