REVIEWS

A fatest háromdimenziós szerkezete. (Three-dimensional structure of wood.)

B.G. Butterfield, B.A. Meylan & I.M. Peszlen, 147 pp., 1997. [In Hungarian and English.] Hillebrand Nyomda Kft., Csengery u. 51, Sopron, Hungary. ISBN 963-04-88124. Price: US\$ 40 (incl. shipping and handling by airmail).

Available from TAJ Bt, H-2094 Nagykovasci, Pf: 36, Hungary; fax: +36-1-214-3150. Payment can be transferred to: Account no. 11742001 - 20003737, Bank: OTP Pest M.I., Semmelweis u. 11, H-1052 Budapest, Hungary, SWIFT BIC: OTP VHUHB.

Dr. Peszlen teaches wood anatomy to forestry, wood science, forest engineering, and art students at the University of Sopron. This Hungarian edition of a book first published in English by Chapman & Hall Ltd represents a translation by Dr. Peszlen to provide her students with a beautiful and affordable text to guide and inspire them in their studies of wood structure. The side-by-side English and Hungarian versions of the explanatory text also help native Hungarian speakers learn English, and *vice versa*. I now know that "A sejtfal" = "The cell wall." SEM images of wood almost always are captivating, and these 226 images are well chosen to illustrate basic features of cell wall and pit structure, as well as the structure of softwoods, palmwood, and hardwoods (four chapters in total). The U.S. undergraduate students that I showed this book to were properly impressed (even during a 8 a.m. class). The images of tyloses formation were favorites. The text is straightforward and at a level accessible to undergraduates of varying backgrounds. There are few (very few) statements to quibble with, such as, "vasicentric tracheids are unusual tracheids confined to the Fagaceae and to Fraxinus." Nonetheless, if your library or you or your students missed the 1st (1972) or 2nd (1980) English editions of this book, this is an excellent opportunity to acquire this informative and lovely book.

E.A. Wheeler

Wood properties of main tree species from plantation in China. Bao Fucheng & Jiang Zehui (main authors), 30 + 558 pp., illus., 1998. China Forestry Publishing House. ISBN 7-5038-1830-1. Price: Yuan 120.00 (hard cover).

This volume brings together the results of five years of research by 51 Chinese wood scientists on juvenile and mature wood from plantation-grown trees (sometimes compared with trees from natural provenances). Although the main body of the text and the figure and table legends are in Chinese, the results of this huge study carried out in seven research institutes are also summarised in English at the end of each chapter. Ten fast growing species from plantations were selected for the study of anatomical, chemical, physical and mechanical properties: seven softwoods (*Cunninghamia lanceolata*, *Pinus massoniana*, *Pinus yunnanensis*, *Pinus elliottii*, *Pinus taeda*, *Larix kaempferi*, *Larix olgensis*) and three hardwoods (*Populus nigra* × *simonii*, *Eucalyptus citriodora*, *Paulownia elongata*). In studies on the effects of silvicultural practices various other species and varieties were included as well. For a more limited number of species models were developed to predict the effects of silvicultural practices and site factors on wood quality. There are 8 chapters on, respectively: 1) anatomy