**IAWA Bulletin New Series - Volume 11(2)**

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| **Author(s):** | Editors IAWA Journal |
| **Title:** | **Erratum and Addendum** |
| **Source:** | IAWA Bulletin NS, Volume 11, Issue 2 |
| **Publication Year:** | 1990 |
| **Pages:** | erratum1-erratum1 |
| **Keywords:** |  |
| **Abstract:** |  |
| **DOI:** | [10.1163/22941932-90000514](http://dx.doi.org/10.1163/22941932-90000514) |

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| **Author(s):** | Editors IAWA Journal |
| **Title:** | **Preliminary material** |
| **Source:** | IAWA Bulletin NS, Volume 11, Issue 2 |
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| **Author(s):** | Michael Trockenbrodt |
| **Title:** | **Survey and Discussion of the Terminology Used in Bark Anatomy** |
| **Source:** | IAWA Bulletin NS, Volume 11, Issue 2 |
| **Publication Year:** | 1990 |
| **Pages:** | 141-166 |
| **Keywords:** | terminology; Bark anatomy |
| **Abstract:** | A critical review of bark anatomical terms is undertaken to stimulate the discussion on bark terminology. Suggestions are made for a standardised usage of the corresponding terms for facilitating the communication between people working on bark anatomy. A tentative glossary of terms is given at the end of the paper. |
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| **Author(s):** | Regis B. Miller |
| **Title:** | **Comparison of the 1981 Standard List and the 1989 Iawa List for Hardwood Identification** |
| **Source:** | IAWA Bulletin NS, Volume 11, Issue 2 |
| **Publication Year:** | 1990 |
| **Pages:** | 167-172 |
| **Keywords:** |  |
| **Abstract:** |  |
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| **Author(s):** | H. G. Richter; A. E. Van Wyk |
| **Title:** | **Wood and Bark Anatomy of Lauraceae IV. Dahlgrenodendron J.J.M. Van Der Merwe ' Van Wyk** |
| **Source:** | IAWA Bulletin NS, Volume 11, Issue 2 |
| **Publication Year:** | 1990 |
| **Pages:** | 173-182 |
| **Keywords:** | Aspidostemon; bark anatomy; Beilschmiedia; Cryptocarya; taxonomy; Dahlgrenodendron; Wood anatomy; Lauraceae |
| **Abstract:** | The southem African tree, Dahlgrenodendron natalense, previously ascribed to the genus Beilschmiedia was recently segregated as a monotypic genus, Dahlgrenodendron, on account of its distinctive exomorphology, palynology and fruit structure. Dahlgrenodendron differs from Beilschmiedia in nearly all quantitative and qualitative features of wood and bark anatomy. The overall structural pattern of these tissues does not support the initial assignment of Dahlgrenodendron to the tribe Cryptocaryeae, nor does it fit any other lauraceous taxon. Within Lauraceae, an isolated non-aligned status is provisionally proposed for the genus. |
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| **Author(s):** | Jun Ohtani; Saizo Fujikawa |
| **Title:** | **Cryo-Sem Observations on Vessel Lumina of A Living Tree: Ulmus Davidiana Var. Japonica** |
| **Source:** | IAWA Bulletin NS, Volume 11, Issue 2 |
| **Publication Year:** | 1990 |
| **Pages:** | 183-194 |
| **Keywords:** | tyloses; ice crystals; wet heartwood; cryo-SEM; Ulmus davidiana var; japonica |
| **Abstract:** | The free water in the vessellumina in sapwood and heartwood of Ulmus davidiana var. japonica was visualised using a cryoSEM technique, and related to the occurrence and morphology of tyloses. In the sapwood, ice crystals were present in a few latewood vesse1s but no tyloses were found. In the intermediate wood, ice crystals only occurred in some latewood vessels and many of the tyloses appeared to be collapsed in both earlywood and latewood vessels. In the heartwood, tyloses embedded within ice crystals were often observed. These observations suggest that in this species tyloses are not an obstacle to the accumulation of sap in heartwood vessels of living trees. |
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| **Author(s):** | L. A. Donaldson; A. P. Singh |
| **Title:** | **Ultrastructure of Terminalia Wood from an Ancient Polynesian Canoe** |
| **Source:** | IAWA Bulletin NS, Volume 11, Issue 2 |
| **Publication Year:** | 1990 |
| **Pages:** | 195-202 |
| **Keywords:** | plasmodesmata; extractives; bacterial degration; Terminalia; cell walls; vestured pits |
| **Abstract:** | A sample of Terminalia wood recovered from an ancient Polynesian canoe thought to be approximately 1000 years old, was examined by light and electron microscopy to determine the extent and pattern of degradation. A chemical analysis was also carried out. The secondary walls of fibres, vessels and parenchyma cells were extensively degraded but the compound middle lamella remained relatively intact. Vestures in intervascular pits were preserved, presumably by virtue of their high lignin concentration. Plasmodesmata were also preserved by infiltration with extractives thought to be tannins. |
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| **Author(s):** | Ingrid de Kort |
| **Title:** | **Tracheid Length in Vital and Non Vital Douglas Fir (Pseudotsuga Menziesii) in the Netherlands** |
| **Source:** | IAWA Bulletin NS, Volume 11, Issue 2 |
| **Publication Year:** | 1990 |
| **Pages:** | 203-209 |
| **Keywords:** | tracheid length; Douglas fir; ring width; vitality |
| **Abstract:** | Tracheid length in relation to growth ring width is recorded for five Douglas firs from different sites in the Netherlands. The investigated trees differed in vitality assessed by crown appearance. Non vital trees showed a growth reduction which coincides with a decrease in tracheid length. Temporary growth reductions in vital trees did not result in a decrease of tracheid length. The relations hip between tracheid length and ring width is discussed. |
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| **Author(s):** | Editors IAWA Journal |
| **Title:** | **Reviews** |
| **Source:** | IAWA Bulletin NS, Volume 11, Issue 2 |
| **Publication Year:** | 1990 |
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| **Author(s):** | Alvin D. Yanchuk; Michael M. Micko |
| **Title:** | **Radial Variation of Wood Density and Fibre Length in Trembling Aspen** |
| **Source:** | IAWA Bulletin NS, Volume 11, Issue 2 |
| **Publication Year:** | 1990 |
| **Pages:** | 211-215 |
| **Keywords:** | Populus tremuloides; density; juvenile wood; radial variation; fibre length |
| **Abstract:** | Fifteen geneticall y distinct clones of trembling aspen (Populus tremuloides Michx.) from natural stands in central Albena, Canada, were sampled to examine radial variation of wood density and libriform fibre length. Six clones were chosen to graphically display the large amount of variation that occurs, among clones and among trees within clones for both traits. Variation in change of wood density across the radii among clones was substantial. The most obvious clonal patterns of change were 1) for trees to have a very high wood density near the pith, then wood density decreases and stabilises, and 2) wood density increases steadily across the radius. Fibre length patterns of change across the radius were all very similar. The results indicate that early assessments of wood density in aspen may not be an accurate reflection of what the long-term average wOod density may be for a particulary aspen clone. |
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| **Author(s):** | Editors IAWA Journal |
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| **Author(s):** | Editors IAWA Journal |
| **Title:** | **Wood Anatomy News** |
| **Source:** | IAWA Bulletin NS, Volume 11, Issue 2 |
| **Publication Year:** | 1990 |
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| **Abstract:** |  |
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| **Author(s):** | Editors IAWA Journal |
| **Title:** | **Association Affairs** |
| **Source:** | IAWA Bulletin NS, Volume 11, Issue 2 |
| **Publication Year:** | 1990 |
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