REFERENCES

Aarts, J.F.T. 1957. Over de houdbaarheid van snijbloemen. (On the keepability of cut flowers.) *Mededelingen van de Landbouwhogeschool te Wageningen* 57(9): 1-62. In Halevy, A.H. and Mayak, S. 1981. Senescence and postharvest physiology of cut flowers, part 2. *Horticultural Reviews* 3: 59-143. [Also cited in Paull, R.E. and Goo, T. 1982. *Journal of the American Society for Horticultural Science* 107: 842-844; and in Put, H.M.C. 1991. *Factors Affecting the Vase Life of Rosa cultivar 'Sonia': Microbiological and Scanning Electron Microscopic Investigations.* Ph.D. thesis, Landbouwuniverstiteit de Wageningen. Vijfsprong, Deventer, Netherlands.]

Abacus Concepts, Inc. 1992. *StatView 4.0.* Abacus Concepts, Inc., Berkeley, California.

Accati, E. and Sulis, S. 1980. Preparazione dei rami fioriti di mimosa e loro conservazione. (Preparation and preservation of flowering mimosa branches.) *Annali Istituto Sperimentale per la Floricoltura* 11: 1-12.

Accati, E., Mayak, S. and Abbattista Gentile, I. 1980. The role of bacterial metabolite(s) in affecting water uptake by carnation flowers. *Acta Horticulturae* 113: 137-142.

Adams, D.O. and Yang, S.F. 1979. Ethylene biosynthesis: Identification of 1-aminocyclopropane-1-carboxylic acid as an intermediate in the conversion of methionine to ethylene. *Proceedings of the National Academy of Science (USA)* 76: 170-174. In: Borochov, A. and Woodson, W.R. 1989. Physiology and biochemistry of flower petal senescence. *Horticultural Reviews* 11: 15-43.

Akamine, E.K. 1963. Ethylene production in fading *Vanda* orchid blossoms. *Science* 140: 1217-1218.

Al-Ani,T.A. and Bierhuizen, J.F. 1971. Stomatal resistance, transpiration, and relative water content as influenced by soil moisture. *Acta Botanica Neerlandica* 20: 318-326.

Albert, A., Rubbo, S.D., Goldacre, R.J. and Balfour, B.G. 1947. The influence of chemical constitution on anti-bacterial activity. Part III: A study of 8-hydroxyquinoline (oxine) and related compounds. *The British Journal of Experimental Pathology* 28: 69-87.

Aldous, D.E. 1983. Cut flower purchases in Victoria. *Australian Horticulture*, July: 29, 31-32.

Allen, S.J. 1981. Alternaria blight of sunflowers in Australia. Ph.D. thesis, University of New England, Armidale.

Amrhein, N. and Wenker, D. 1979. Novel inhibitors of ethylene production in higher plants. *Plant and Cell Physiology* 20: 1635-1642.

Anderson, T.F. 1951. Techniques for the preservation of three-dimensional structure in preparing specimens for the electron microscope. *Transactions of the New York Academy of Sciences* 13: 130-134.

Anderson, T.F. 1953a. A method for eliminating gross artefacts in drying specimens. *Comptes Rendus du Premier Congrès International de Microscopie Electronique*, Paris, 14-22 September 1950, 567-576.

Anderson, T.F. 1953b. The structures of certain biological specimens prepared by the critical point dried method. *Comptes Rendus du Premier Congrès International de Microscopie Electronique*, Paris, 14-22 September 1950, 577-585.

Appel, O. 1906. Zur kenntniss des wund-verschlusses bei den kartoffeln. Berichte. Deutsche Botanische Gesellschaft 24: 1 8-122. In Smith, W.L.Jr. and Smart, H.F. 1955. Relation of soft rot development to protective barriers in Irish potato slices. *Phytopathology* 45: 649-654.

Armitage, A.M. 1993a. Research in the United States on specialty cut flowers, an overview. *Acta Horticulturae* 337: 189-199.

Armitage, A.M. 1993b. *Specialty Cut Flowers. The Production of Annuals, Perennials, Bulbs and Woody Plants for Fresh and Dried Cut Flowers.* Varsity Press, Inc./Timber Press, Inc., Oregon.

Armstrong, J. 1975. The family Rutaceae in Australia. *Australian Plants* 8: 215-225.

Armstrong, J.A. 1989. Australian Rutaceae - Horticultural potential and problems. Paper presented to The Western Australian Department of Agriculture Conference on The Production and Marketing of Australian Flora, Perth, 13-14 July.

Arndt, C.H. 1929. The movement of sap in *Coffea arabica* L. *American Journal of Botany* 16: 179-191.

Asen, S. 1975. Factors affecting flower color. *Acta Horticulturae* 41: 57-68.

Asen, S., Norris, K.H. and Stewart, R.N. 1971. Effect of pH and concentration of the anthocyanin-flavonol co-pigment complex on the colour of 'Better Times' roses. *Journal of the American Society for Horticultural Science* 96: 770-773.

Baayen, R.P. and Elgersma, D.M. 1985. Colonization and histopathology of susceptible and resistant carnation cultivars infected with *Fusarium oxysporum* f. sp. *dianthi. Netherlands Journal of Plant Pathology* 91: 119-135.

Bailey, I.W. 1933. The cambium and its derivative tissues. No. VIII. Structure, distribution, and diagnostic significance of vestured pits in dicotyledons. *Journal of the Arnold Arboretum* 14: 259-273.

Baker, J.E., Wang, C.Y., Lieberman, M. and Hardenburg, R. 1977. Delay of senescence in carnations by a rhizobitoxine analog and sodium benzoate. *HortScience* 12: 38-39.

Barden, L.E. and Hanan, J.J. 1972. Effect of ethylene on carnation keeping life. *Journal of the American Society for Horticultural Science* 97: 785-788.

Barghoorn, E.S. and Scott, R.A. 1958. Degradation of the plant cell wall and its relation to certain tracheary features of the Lepidodendrales. *American Journal of Botany* 45: 222-227.

Barrs, H.D. 1968. Determination of water deficits in plant tissues. In Kozlowski, T.T. (ed.) *Water Deficits and Plant Growth*, Vol. I. Academic Press, New York.

Batt, P. 1988. Marketing. In *Proceedings of Native Floriculture Workshop*, Perth, Western Australia, 20 May.

Beckett, A. and Read, N.D. 1981. Low temperature scanning electron microscopy of fungal material. *Proceedings of the Royal Microscopical Society* 16: 169.

Berkholst, C.E.M. 1980. De waterhuishouding van afgesneden rozen. (The water relations of cut roses.) *Bedrijfsontwikkeling jaargang* 11(3): 332-336.

Berthelot, M. 1850. Sur quelques phénomènes de dilatation forcées des liquides. (On some phenomena of forced expansion of liquids.) *Annales de Chimie et de Physique 3e Série* 30: 232-237.

Beyer, E.M.Jr. 1976. A potent inhibitor of ethylene action in plants. *Plant Physiology* 58: 268-271.

Bieleski, R.L., Ripperda, J., Newman, J.P. and Reid, M.S. 1992. Carbohydrate changes and leaf blackening in cut flower stems of *Protea eximia*. *Journal of the American Society for Horticultural Science* 117: 124-127.

Biggs, A.R. 1984. Boundary-zone formation in peach bark in response to wounds and *Cytospora leucostoma* infection. *Canadian Journal of Botany* 62: 2814-2821.

Biggs, A.R. 1985. Suberized boundary zones and the chronology of wound response in tree bark. *Phytopathology* 75: 1191-1195.

Billing, E. 1982. Entry and establishment of pathogenic bacteria in plant tissues. In Rhodes-Roberts, M.E. and Skinner, F.A. (eds) *Bacteria and Plants*. Academic Press, London.

Blankenship, S.M. and Sisler, E.C. 1993. Use of diazocyclopentadiene to block ethylene action in fruits and flowers. *Acta Horticulturae* 343: 215-216.

Bonn, W.G., Sequeira, L. and Upper, C.D. 1975. Technique for the determination of the rate of ethylene production by *Pseudomonas solanacearum*. *Plant Physiology* 56: 688-691.

Booij, R., Meurs, E.J.J., Thiel, F. and Boekestein, A. 1992. Cryo-scanning electron microscopy of the apex of celeriac (*Apium graveolens* L. var. *rapaceum* (Mill.) DC.) during initiation of the inflorescence. *Scientia Horticulturae* 51: 309-320.

Borghetti, M., Edwards, W.R.N., Grace, J., Jarvis, P.G. and Raschi, A. 1991. The refilling of embolized xylem in *Pinus sylvestris* L. *Plant, Cell and Environment* 14: 357-369.

Borochov, A. and Woodson, W.R. 1989. Physiology and biochemistry of flower petal senescence. *Horticultural Reviews* 11: 15-43.

Bosisto, J. 1865. Abstract of a paper on the yield and uses of volatile oils, from native and imported plants, in the colony of Victoria. *Transactions and Proceedings of the Royal Society of Victoria* 6: 52-61.

Boyde, A. 1978. Pros and cons of critical point drying and freeze drying for SEM. *Scanning Electron Microscopy* 2: 303-314.

Boyer, J.S. 1969. Measurement of the water status of plants. *Annual Review of Plant Physiology* 20: 351-364.

Brocklehurst, T.F. and Lund, B.M. 1981. Properties of pseudomonads causing spoilage of vegetables stored at low temperature. *Journal of Applied Bacteriology* 50: 259-266.

Buchanan, R.E. and Gibbons, N.E. (eds) 1974. *Bergey's Manual of Determinative Bacteriology*. 8th edn. The Williams & Wilkins Company, Baltimore.

Burbidge, N.T. 1963. *Dictionary of Australian Plant Genera*. Angus & Robertson, Sydney.

Burdett, A.N. 1970. The cause of bent neck in cut roses. *Journal of the American Society for Horticultural Science* 95: 427-431.

Bureau of Meteorology. 1988. *Climatic Averages Australia*. Australian Government Publishing Service, Canberra.

Burg, S.P. 1962. The physiology of ethylene formation. *Annual Review of Plant Physiology* 13: 265-302.

Burg, S.P. and Burg, E.A. 1965. Ethylene action and the ripening of fruits. *Science* 148: 1190-1196.

Butterfield, B.G. and Meylan, B.A. 1972. Scalariform perforation plate development in *Laurelia novae-zelandiae* A. Cunn.: A scanning electron microscope study. *Australian Journal of Botany* 20: 253-259.

Butterfield, B.G. and Meylan, B.A. 1973. Microfibrillar webs across vessel pit apertures. *Wood and Fiber* 5: 69-75.

Butterfield, B.G. and Meylan, B.A. 1980. *Three-Dimensional Structure of Wood. A Scanning Electron Microscopy Study.* Chapman and Hall, London.

Butterfield, B.G. and Meylan, B.A. 1982. Cell wall hydrolysis in the tracheary elements of the secondary xylem. In Baas, P. (ed.) *New Perspectives in Wood Anatomy.* Martinus Nijhoff Publishers, The Hague.

Buys, C. 1969. Blätter beeinflussen die haltbarkeit der schnittblumen. (Leaves influence the durability of cut flowers.) *Zierpflanzenbau* 15: 639-640.

Camprubi, P. and Fontarnau, R. 1977. Relationship between the vase life of the cut flower and the plugging of the xylem vessels of carnation. *Acta Horticulturae* 71: 233-240.

Camprubi, P. and Nichols, R. 1978. Effects of ethylene on carnation flowers (*Dianthus caryophyllus*) cut at different stages of development. *Journal of Horticultural Science* 53: 17-22.

Carpenter, W.J. and Rasmussen, H.P. 1973. Water uptake rates by cut roses (*Rosa hybrida*) in light and dark. *Journal of the American Society for Horticultural Science* 98: 309-313.

Carpenter, W.J. and Rasmussen, H.P. 1974. The role of flower and leaves in cut flower water uptake. *Scientia Horticulturae* 2: 293-298.

Carter, E.M., Joyce, D.C. and Enright, T.J. 1989. Pulsing native Australian cut flowers with sugar. Paper presented to The Western Australian Department of Agriculture Conference on The Production and Marketing of Australian Flora, Perth, 13-14 July.

Casanova, M.T. 1993. The ecology of charophytes in temporary and permanent wetlands: An Australian perspective. Ph.D. thesis, University of New England, Armidale.

Casp, A.M., Salvador, P.J. and Ibañez, M.J. 1980. Objective characterization of type stages in bud opening of carnations (*Dianthus caryophyllus* L.). *Acta Horticulturae* 113: 175-181.

Catsky, J. 1974. Water Saturation Deficit (Relative Water Content). In Slavík, B. *Methods of Studying Plant Water Relations.* Ecological Studies 9. Jacobs, J., Lange, O., Olson, J.S. and Wieser, W. (eds). Springer-Verlag, Berlin.

Chattaway, M.M. 1949. The development of tyloses and secretion of gum in heartwood formation. *Australian Journal of Scientific Research Series B* Biology 2: 227-240.

Clark, J.M. and Glagov, S. 1976. Evaluation and publication of scanning electron micrographs. *Science* 192: 1360-1361.

Clerkx, A.C.M., Boekestein, A. and Put, H.M.C. 1989. Scanning electron microscopy of the stem of cut flowers of *Rosa* cv. Sonia and *Gerbera* cv. Fleur. *Acta Horticulturae* 261: 97-105.

Cline, M.N. and Neely, D. 1983. The histology and histochemistry of the wound-healing process in geranium cuttings. *Journal of the American Society for Horticultural Science* 108: 496-502.

Coates, B. 1993. *Growing Flowers and Foliage for Cutting*. Kangaroo Press Pty. Ltd., Sydney.

Cochard, H. and Tyree, M.T. 1990. Xylem dysfunction in *Quercus*: Vessel sizes, tyloses, cavitation and seasonal changes in embolism. *Tree Physiology* 6: 393-407.

Connor, D.J. and Tunstall, B.R. 1968. Tissue water relations for brigalow and mulga. *Australian Journal of Botany* 15: 487-490.

Conrado, L.L., Shanahan, R. and Eisinger, W. 1980. Effects of pH, osmolarity and oxygen on solution uptake by cut rose flowers. *Journal of the American Society for Horticultural Science* 105: 680-683.

Considine, J.A. 1993. Progress in selection and cultivation of Australian native plants for floriculture. *Acta Horticulturae* 337: 11-18.

Côté, W.A.Jr. and Day, A.C. 1962. Vestured pits - fine structure and apparent relationship with warts. *Tappi* 45: 906-910.

Cottrell, G.G. 1968. Flower producers lose millions of dollars from polluted air. *Florist & Nursery Exchange* No. 27, January 16: 5-8.

Cowan, S.T. 1974. *Manual for the Identification of Medical Bacteria*. Cambridge University Press, London.

Cribb, J. 1988. The wilting of our flower power. *The Australian*, 1 May.

Criley, R.A. 1993. Summary of symposium presentations. *Acta Horticulturae* 337: 213-215.

Criley, R.A. and Parvin, P.E. 1993. New cut foliages from Australia, New Zealand and South Africa. *Acta Horticulturae* 337: 95-98.

Crocker, W. and Knight, L.I. 1908 Effect of illuminating gas and ethylene upon flowering carnations. *Botanical Gazette* 46: 259-276.

Crombie, D.S. 1983. The physiology of the cavitation of xylem sap. Ph.D. thesis, The University of Glasgow.

Crombie, D.S., Hipkins, M.F. and Milburn. J.A. 1985a. Gas penetration of pit membranes in the xylem of *Rhododendron* as the cause of acoustically detectable sap cavitation. *Australian Journal of Plant Physiology* 12: 445-453.

Crombie, D.S., Milburn, J.A. and Hipkins, M.F. 1985b. Maximum sustainable xylem sap tensions in *Rhododendron* and other species. *Planta* 163: 27-33.

Cronquist, A. 1981. *An Integrated System of Classification of Flowering Plants*. Columbia University Press, New York.

Cronshaw, J. 1960. The fine structure of the pits of *Eucalyptus regnans* (F. Muell.) and their relation to the movement of liquids into the wood. *Australian Journal of Botany* 8: 51-57.

Currier, H.B. 1957. Callose substance in plant cells. *American Journal of Botany* 44: 478-488.

Currier, H.B. and Strugger, S. 1956. Aniline blue and fluorescence microscopy of callose in bulb scales of *Allium cepa* L. *Protoplasma* 45: 552-59.

Dai, J. and Paull, R.E. 1991. Effect of water status on *Dendrobium* flower spray postharvest life. *Journal of the American Society for Horticultural Science* 116(3): 491-496.

Dansereau, B. and Vines, H.M. 1975. In-stem movement, isolation and identification of two bacteria and their antibiotic sensitivity. *Acta Horticulturae* 41: 183-197.

Davies, F.S., Muñoz, C.E. and Sherman, W.B. 1981. Opening and vase life extension of peach flowers on detached shoots with sucrose and ethanol. *Journal of the American Society for Horticultural Science* 106: 809-813.

Dawson, I. 1989. Adding value - The CSIRO/Glenforce agreement. Paper presented to The Western Australian Department of Agriculture Conference on The Production and Marketing of Australian Flora, Perth, 13-14 July.

Day, J.S., Loveys, B.R. and Aspinall, D. 1994. Manipulation of flowering and vegetative growth of Brown Boronia (*Boronia megastigma* Nees.) and White Myrtle (*Hypocalymma angustifolium* Endl.) using plant growth regulators. *Scientia Horticulturae* 56: 309-320.

Day, R.W. and Quinn, G.P. 1989. Comparisons of treatments after an analysis of variance in ecology. *Ecological Monographs* 59(4): 433-463.

Dean, M. and Wood, R.K.S. 1967. Cell wall degradation by a pectate transeliminase. *Nature* 214: 408-410.

de Boon, H. 1991. World perspectives of the floribusiness. *Acta Horticulturae* 298: 29-36.

Dei Giudici, S. 1996. W.A. centre for Australian plants. *The Flower Link*, January, 13(150): 10, 25.

de Leeuw, G.T.N. 1985. Deposition of lignin, suberin and callose in relation to the restriction of infection by *Botrytis cinerea* in ghost spots of tomato fruits. *Phytopathologische Zeitschrift* 112: 143-152.

Dennis, D.J. 1991. *Telopea* 'Levin Ena' and 'Levin Hilda' selected for cut-flower production. *HortScience* 26: 219-220.

de Ravel d'Esclapon, M.G. 1962. Les mimosas sur le littoral Méditerranéen. (Mimosas on the Mediterranean coast.) *Revue Horticole* 134: 332-339.

de Stigter, H.C.M. and Broekhuysen, A.G.M. 1986. Role of stem cut-surface in cut-rose performance. *Acta Horticulturae* 181: 356-364.

de Stigter, H.C.M. and Broekhuysen, A.G.M. 1989. Secondary gas embolism as an effect of disturbed water balance in cut roses. *Acta Horticulturae* 261: 17-26.

Devlin, R.M. and Witham, F.H. 1983. *Plant Physiology*. Fourth edition. Willard, Grant Press, Boston.

de Witte, Y. and van Doorn, W.G. 1988. Identification of bacteria in the vase water of roses, and the effect of the isolated strains on water uptake. *Scientia Horticulturae* 35: 285-291.

de Witte, Y. and van Doorn, W.G. 1991. The mode of action of bacteria in the vascular occlusion of cut rose flowers. *Acta Horticulturae* 298: 165-170.

Dias-Leme, C.L., Gasson, P. and Lughadha, E.N. 1995. Wood anatomy of four Myrtaceae genera in the subtribe Myrciinae from South America. *IAWA Journal* 16(1): 87-95.

Dickson, H. and Blackman, V.H. 1938. The absorption of gas bubbles present in xylem vessels. *Annals of Botany* 2: 293-299.

Dilley, D.R. and Carpenter, W.J. 1975. The role of chemical adjuvants and ethylene synthesis on cut flower longevity. *Acta Horticulture* 41: 117-132.

Dimond, A.E. 1966. Pressure and flow relations in vascular bundles of the tomato plant. *Plant Physiology* 41: 119-131.

Dixon, H.H. and Joly, J. 1894. On the ascent of sap. *Proceedings of the Royal Society of London* 57(340): 3-5 (Abstract only).

Dixon, M.A. and Peterson, C.A. 1989. A re-examination of stem blockage in cut roses. *Scientia Horticulturae* 38: 277-285.

Dixon, M.A., Grace, J. and Tyree, M.T. 1984. Concurrent measurements of stem density, leaf and stem water potential, stomatal conductance and cavitation on a sapling of *Thuja occidentalis* L. *Plant, Cell and Environment* 7: 615-618.

Dixon, M.A., Butt, J.A., Murr, D.P. and Tsujita, M.J. 1988. Water relations of cut greenhouse roses: The relationships between stem water potential, hydraulic conductance and cavitation. *Scientia Horticulturae* 36: 109-118.

Dorner, H.B. 1934. Handling cut flowers to prolong their keeping qualities. *Florists Exchange and Horticultural Trade World* April 28: 16, 23.

Doubt, S.L. 1917. The response of plants to illuminating gas. *Botanical Gazette* 63: 209-224.

Drory, A., Beja-Tal, S., Borochov, A., Gindin, E. and Mayak, S. 1995. Transient water stress in cut carnation flowers: Effects of cycloheximide. *Scientia Horticulturae* 64: 167-175.

Duerden, H. 1933. On the xylem elements of certain fossil Pteridophyta. *Annals of Botany* 47: 187-195.

Duncan, D.R. and Himelick, E.B. 1990. Prolonged infusion of fluids into tree seedlings using ascorbic acid. *Journal of Experimental Botany* 41: 1379-1383.

Durkin, D.J. 1979a. Some characteristics of water flow through isolated rose stem segments. *Journal of the American Society for Horticultural Science* 104: 777-783.

Durkin, D.J. 1979b. Effect of millipore filtration, citric acid, and sucrose on peduncle water potential of cut rose flower. *Journal of the American Society for Horticultural Science* 104: 860-863.

Durkin, D.J. 1980. Factors effecting[sic] hydration of cut flowers. *Acta Horticulturae* 113: 109-117.

Durkin, D. 1986a. Care of fresh flowers. *Canadian Florist, Greenhouse & Nursery* 81: 44-46.

Durkin, D. 1986b. Getting the most out of cut flowers. *Minnesota State Florists Bulletin* 35(2): 1-4.

Durkin, D. and Kuc, R. 1966. Vascular blockage and senescence of the cut rose flower. *Proceedings of the American Society for Horticultural Science* 89: 683-688.

Dutailly, G. 1874. Sur l'existence de ponctuations criblées dans le bois de la racine d'une Légumineuse. (On the existence of sieve-like perforations in the wood of a Leguminosae root.) *Bulletin de la Société Linnéenne de Paris* No. 2: 9-10.

Eames, A.J. and MacDaniels, L.H. 1947. *An Introduction to Plant Anatomy*. McGraw Hill Book Company Inc., New York.

Elliot, W.R. and Jones, D.L. 1982. *Encyclopaedia of Australian Plants Suitable for Cultivation.* Volume 2. Lothian Publishing Company Pty. Ltd., Melbourne.

Engleman, E.M. 1965. Sieve element of *Impatiens sultanii.* I. Wound reaction. *Annals of Botany* 29: 83-101.

Erickson, D. 1991. An acoustic sensor spies on insects. *Scientific American*, February: 114.

Erner, Y., Reuveni, O. and Goldschmidt, E.E. 1975. Partial purification of a growth factor from orange juice which affects citrus tissue culture and its replacement by citric acid. *Plant Physiology* 56: 279-282.

Esau, K. 1977. *Anatomy of Seed Plants.* (second ed.) John Wiley & Sons, Inc., London.

Evers, R.A. 1951. A new *Lepidodendron* from Illinois. *American Journal of Botany* 38: 731-737.

Exley, R.R., Butterfield, B.G. and Meylan, B.A. 1974. Preparation of wood specimens for the scanning electron microscope. *Journal of Microscopy* 101: 21-30.

Falk, R.H., Gifford, E.M.Jr. and Cutter, E.G. 1971. The effect of various fixation schedules on the scanning electron microscopic image of *Tropaeolum majus. American Journal of Botany* 58: 676-680.

Faragher, J. 1981. New Israeli exports. *Australian Horticulture*, July: 59,61.

Faragher, J.D. 1989. A review of research on postharvest physiology and horticulture of Australian native flowers. *Acta Horticulturae* 261: 249-256.

Ferguson, I.B. and Drøbak, B.K. 1988. Calcium and the regulation of plant growth and senescence. *HortScience* 23: 262-266.

Ford, H.E., Clark, D.T. and Stirson, R.F. 1961. Bacteria associated with cut flower containers. *Proceedings of the American Society for Horticultural Science* 77: 635-636.

Foreman, D.B. and Walsh, N.B. (eds) 1993. *Flora of Victoria.* Volume 1. Inkata Press, Sydney.

Forrest, M. 1991. Post-harvest treatment of cut foliage. *Acta Horticulturae* 298: 255-261.

Fourton, L. and Ducomet, V. 1906. Sur la conservation des fleurs coupées. (On the conservation of cut flowers.) *Revue Horticole* 70: 260-262.

Fraser, T.W. and Gilmour, A. 1986. Scanning electron microscopy preparation methods: Their influence on the morphology and fibril formation in *Pseudomonas fragi* (ATCC 4973). *Journal of Applied Bacteriology* 60: 527-533.

Freebairn, H.T. and Buddenhagen, I.W. 1964. Ethylene production by *Pseudomonas solanacearum. Nature* 202: 315-314.

Fuchs, A. 1965. The *trans*-eliminative breakdown of Na-polygalacturonate by *Pseudomonas fluorescens. Antonie van Leeuwenhoek Journal of Microbiology and Serology* 31: 323-340.

Fujino, D.W., Reid, M.S. and VanderMolen, G.E. 1983. Identification of vascular blockages in rachides of cut maidenhair (*Adiantum raddianum*) fronds. *Scientia Horticulturae* 21: 381-388.

Funke, G.L., de Coeyer, F., de Decker, A. and Maton, J. 1938. The influence of the emanation of apples on several life phenomena of plants. *Biologisch Jaarboek (K. Natuurwetenschapelijk Genootschap Dodonaea te Gent)* 5(2): 335-381.

George, A.S. 1981. The background to the *Flora of Australia*. *Flora of Australia*, Volume 1. Australian Government Publishing Service, Canberra.

Gilman, K.F. and Steponkus, P.L. 1972. Vascular blockage in cut roses. *Journal of the American Society for Horticultural Science* 97: 662-667.

Goode, J.E. and Higgs, K.H. 1973. Water, osmotic and pressure potential relationships in apple leaves. *The Journal of Horticultural Science* 48: 203-215.

Goodwin, P.B., Dunstan, P. and Watt, P. 1995. The control of flowering in *Blandfordia grandiflora*. *Scientia Horticulturae* 62: 175-187.

Goszczynska, D.M. and Rudnicki, R.M. 1988. Storage of cut flowers. *Horticultural Reviews* 10: 35-62.

Greenidge, K.N.H. 1952. An approach to the study of vessel length in hardwood species. *American Journal of Botany* 39: 570-574.

Greig, D. 1991. *The Australian Gardener's Wildflower Catalogue*. Cornstalk Publishing, Sydney.

Grosso, B., Saint-Martin, M. and Vassal, J. 1994. Stomatal types of the genus *Acacia* (Fabaceae, Mimosoideae): An appraisal of diversity and taxonomic interest. *Botanical Journal of the Linnean Society* 116: 325-341.

Gurr, E. 1965. *The Rational Use of Dyes in Biology and General Staining Methods*. Leonard Hill, London.

Haines, F.M. 1935. Observations on the occurrence of air in conducting tracts. *Annals of Botany* 49: 367-379.

Halevy, A.H. 1976. Treatments to improve water balance of cut roses. *Acta Horticulturae* 64: 223-230.

Halevy, A.H. 1994. The development of the floriculture industry in Israel - close interaction between research, extension, production and marketing. *Acta Horticulturae* 353: 57-64.

Halevy, A.H. and Mayak, S. 1979. Senescence and postharvest physiology of cut flowers, part 1. *Horticultural Reviews* 1: 204-236.

Halevy, A.H. and Mayak, S. 1981. Senescence and postharvest physiology of cut flowers, part 2. *Horticultural Reviews* 3: 59-143.

Halevy, A.H., Mayak, S., Tirosh, T., Spiegelstein, H. and Kofranek, A.M. 1974. Opposing effects of abscisic acid on senescence of rose flowers. *Plant and Cell Physiology* 15: 813-821.

Hamilton, A.J., Lycett, G.W. and Grierson, D. 1990. Antisense gene that inhibits synthesis of the hormone ethylene in transgenic plants. *Nature* 346: 284-287.

Hammel, H.T. 1967. Freezing of xylem sap without cavitation. *Plant Physiology* 42: 55-66.

Hamner, C.L., Carlson, R.F. and Tukey, H.B. 1945. Improvement in keeping quality of succulent plants and cut flowers by treatment under water in partial vacuum. *Science* 102: 332-333.

Hanan, J.J. 1987. So speaks the rose. *Research Bulletin Colorado Greenhouse Growers' Association* 442: 1-4.

Handley, W.R.C. 1936. Some observations on the problem of vessel length determination in woody dicotyledons. *New Phytologist* 35: 456-471.

Harden, G.J. (ed.) 1991. *Flora of New South Wales*. Volume 2. New South Wales University Press, Sydney.

Harden, G.J. (ed.) 1992. *Flora of New South Wales*. Volume 3. New South Wales University Press, Sydney.

Hargrave, K.R., Kolb, K.J., Ewers, F.W. and Davis, S.D. 1994. Conduit diameter and drought-induced embolism in *Salvia mellifera* Greene (Labiatae)[sic Lamiaceae]. *New Phytologist* 126: 695-705.

Harrigan, W.F. and McCance, M.E. 1976. *Laboratory Methods in Food and Dairy Microbiology*. Academic Press, London.

Heins, R.D. 1980. Inhibition of ethylene synthesis and senescence in carnation by ethanol. *Journal of the American Society for Horticultural Science* 105: 141-144.

Hepler, P.K. and Wayne, R.O. 1985 Calcium and plant development. *Annual Review of Plant Physiology* 36: 397-439.

Heuser, C.W. and Evensen, K.B. 1986. Cut flower longevity of peony. *Journal of the American Society for Horticultural Science* 111: 896-899.

Hewlett-Packard Company, Avondale Division. 1987. *HP 3396A Operating Manual*. Hewlett-Packard Company, Avondale, PA, U.S.A.

Hitchcock, A.E. and Zimmerman, P.W. 1929. Effect of chemicals, temperature, and humidity on the lasting qualities of cut flowers. *American Journal of Botany* 16: 433-440.

Ho, L.C. and Nichols, R. 1977. Translocation of ^{14}C-sucrose in relation to changes in carbohydrate content in rose corollas cut at different stages of development. *Annals of Botany* 41: 227-242.

Huether, J.P. and McIntyre, G.A. 1969. Pectic enzyme production by two strains of *Pseudomonas fluorescens* associated with the pinkeye disease of potato tubers. *American Potato Journal* 46: 414-423.

Ikeda, T. and Ohtsu, M. 1992. Detection of xylem cavitation in field-grown pine trees using the acoustic emission technique. *Ecological Research* 7: 391-395.

Ikeda, T., Mamiya, Y. and Shoji, T. 1989. Anatomical observation of bordered pits in xylem of *Bursaphelenchus xylophilus*-inoculated *Pinus densiflora* shoot cuttings treated with benzoic acid. *Annals of the Phytopathological Society of Japan* 55: 664-666.

Irvine, R.F. and Osborne, D.J. 1973. The effect of ethylene on [1-^{14}C]glycerol incorporation into phospholipids of etiolated pea stems. *Biochemical Journal* 136: 1133-1135.

Jackson, G.E., Irvine, J. and Grace, J. 1995. Xylem cavitation in two mature Scots pine forests growing in a wet and a dry area of Britain. *Plant, Cell and Environment* 18: 1411-1418.

Jackson, M.B. and Campbell, D.J. 1976. Production of ethylene by excised segments of plant tissue prior to the effect of wounding. *Planta* 129: 273-274.

Jackson, M.B. and Osborne, D.J. 1970. Ethylene, the natural regulator of leaf abscission. *Nature* 225: 1019-1022.

Jane, P. 1993. Down to earth - Take care with flowers. *The Sun-Herald*, December 12.

Jansen van Vuuren, P.J. 1995. New ornamental crops in South Africa. *Acta Horticulturae* 397: 71-84.

Jarbeau, J.A., Ewers, F.W. and Davis, S.D. 1995. The mechanism of water-stress-induced embolism in two species of chaparral shrubs. *Plant, Cell and Environment* 18: 189-196.

Jayasankar, N.P. and Graham, P.H. 1970. An agar plate method for screening and enumerating pectinolytic microorganisms. *Canadian Journal of Microbiology* 16: 1023.

Jensen, W.A. 1962. *Botanical Histochemistry*. W.H. Freeman and Company, San Francisco.

Jones, H.G. and Higgs, K.H. 1979. Water potential-water content relationships in apple leaves. *Journal of Experimental Botany* 30: 965-970.

Jones, H.G. and Sutherland, R.A. 1991. Stomatal control of xylem embolism. *Plant, Cell and Environment* 14: 607-612.

Jones, R.B. 1995. New ornamental crops in Australia. *Acta Horticulturae* 397: 59-70.

Jones, R.B. and Clayton-Greene, K.A. 1992. The role of photosynthesis and oxidative reactions in leaf blackening of *Protea neriifolia* R.Br. leaves. *Scientia Horticulturae* 50: 137-145.

Jones, R.B. and Hill, M. 1993. The effect of germicides on the longevity of cut flowers. *Journal of the American Society for Horticultural Science* 118: 350-354.

Jones, R. and Moody, H. 1993. *Caring for Cut Flowers*. Department of Agriculture, Melbourne.

Jones, R.B. and Truett, J.K. 1992. Postharvest handling of cut *Gloriosa rothschildiana* O'Brien (Liliaceae) flowers. *Journal of the American Society for Horticultural Science* 117: 442-445.

Jones, R.B., Faragher, J.D. and van Doorn, W.G. 1993. Water relations of cut flowering branches of *Thryptomene calycina* (Lindl.) Stapf. (Myrtaceae). *Postharvest Biology and Technology* 3: 57-67.

Jones, R.B., Serek, M., Kuo, C-L and Reid, M.S. 1994. The effect of protein synthesis inhibition on petal senescence in cut bulb flowers. *Journal of the American Society for Horticultural Science* 119: 1243-1247.

Joyce, D.C. 1988. Post-harvest research on ornamental plant material. *Journal of Agriculture* 4: 125-128.

Joyce, D. 1992. Waxflower: To STS or not? *Australian Horticulture*, October: 52-57.

Joyce, D. and Haynes, Y. 1989. Postharvest treatment and shipping of W.A. Flora. W.A. Flora Summit, September 14-15.

Kaltaler, R.E.L. and Boodley, J.W. 1970. The production of ethylene by 'Red American Beauty' roses during senescence. *HortScience* 5: 355-356 (Abstract only).

Kanemasu, E.T., Thurtell, G.W. and Tanner, C.B. 1969. Design, calibration and field use of a stomatal diffusion porometer. *Plant Physiology* 44: 881-885.

Kang, B.G., Yocum, C.S., Burg, S.P. and Ray, P.M. 1967. Ethylene and carbon dioxide: Mediation of hypocotyl hook-opening response. *Science* 156: 958-959.

Katz, C., Oren, R., Schulze, E.-D and Milburn, J.A. 1989. Uptake of water and solutes through twigs of *Picea abies* (L.) Karst. *Trees* 3: 33-37.

Kelly, F. 1981. *A Perfumed Garden*. Methuen Australia Pty. Ltd., Sydney.

Kelly, J.W. and Starman, T.W. 1990. Postharvest handling of *Physostegia purpurea* cut flowers. *HortScience* 25(5): 552-553.

Kende, H. and Hanson, A.D. 1976. Relationship between ethylene evolution and senescence in morning-glory flower tissue. *Plant Physiology* 57: 523-527.

Keys, R.D., Smith, O.E., Kumamoto, J. and Lyon, J.L. 1975. Effect of gibberellic acid, kinetin, and ethylene plus carbon dioxide on the thermodormancy of lettuce seed (*Lactuca sativa* L. cv. Mesa 659). *Plant Physiology* 56: 826-829.

King, E.O., Ward, M.K. and Raney, D.E. 1954. Two simple media for the demonstration of pyocyanin and fluorescin. *Journal of Laboratory and Clinical Medicine* 44: 301-307.

Klein, G. 1923. Zur aetiologie der thyllen. *Zeitschrift fuer Botanik* 15: 418-439. In Zimmermann, M.H. 1983. *Xylem Structure and the Ascent of Sap*. Springer-Verlag, Berlin.

Klement, Z., Rudolph, K. and Sands, D.C. 1990. *Methods in Phytobacteriology*. Akadémiai Kiadó, Budapest.

Koelemeijer, K. 1991. Florists' physical distribution customer services in the marketing of roses. *Acta Horticulturae* 295: 149-158.

Kordan, H.A. 1972. Rice seedlings germinated in water with normal and impeded environmental gas exchange. *Journal of Applied Ecology* 9: 527-533.

Kordan, H.A. 1975. Relationship between oxygen availability and transverse and vertical shoot geotropisms during germination of submerged rice seedlings. *Annals of Botany* 39: 249-256.

Koster, J. and van Raamsdonk, L.W.D. 1989. Between kangaroos and kangaroo paws. (A plant exploration trip to Australia.) *Acta Horticulturae* 252: 67-70.

Krieg, N.R. (ed.) 1984. *Bergey's Manual of Systematic Bacteriology*. Vol. 1, 9th edn. Williams & Wilkins, Baltimore.

Kuranga Native Nursery. 1989. Wyalong wattle (*Acacia cardiophylla*). *Plant Varieties Journal* 2(2): 26-27.

Lamb, J.C. and Ingram, P. 1979. Drying of biological specimens for scanning electron microscopy directly from ethanol. *Scanning Electron Microscopy* 3: 459-464.

Lamont, G. 1984. The potential of Australian native plants for cut flowers. *Australian Horticulture* 1: 8-17.

Lamont, G.P. 1985. The biology and cultivation of *Boronia serrulata* (native rose). M.Sc. thesis, The University of Sydney, Sydney.

Lamont, G. 1988. Plant breeding achievements and opportunities in ornamental plants. *Proceedings of the Ninth Australian Plant Breeding Conference*, pp. 33-37.

Lamont, G.P. 1989. Boronia. In Halevy, A.H. (ed.), *CRC Handbook of Flowering* Volume VI. CRC Press, Inc., Florida, pp. 117-121.

Lange, R.T. 1969. Concerning the morphology of isolated plant cuticles. *New Phytologist* 68: 423-425.

Larsen, F.E. and Cromarty, R.W. 1967. Micro-organism inhibition by 8-hydroxyquinoline citrate as related to cut flower senescence. *Proceedings of the American Society for Horticultural Science* 90: 546-549.

Larsen, F.E. and Scholes, J.F. 1965. Effects of sucrose, 8-hydroxyquinoline citrate, and N-dimethyl amino succinamic acid on vase-life and quality of cut carnation. *Proceedings of the American Society for Horticultural Science* 87: 458-463.

Laws, N. 1994. In other words. Accelerating the rate of change. *FloraCulture International*, January/February 4(1), 42.

Lawson, R.H. and Roh, M.S. 1995. New crops in the U.S.A. *Acta Horticulturae* 397: 31-42.

Lay-Yee, M., Stead, A.D. and Reid, M.S. 1992. Flower senescence in daylily (*Hemerocallis*). *Physiologia Plantarum* 86: 308-314.

Lehninger, A.L. 1982. *Principles of Biochemistry*. Worth Publishers, Inc., New York.

Leslie, C.A. and Romani, R.J. 1986 Salicylic acid: A new inhibitor of ethylene biosynthesis. *Plant Cell Reports* 5: 144-146.

Lewis, A.M. 1988. A test of the air-seeding hypothesis using *Sphagnum* hyalocysts. *Plant Physiology* 87: 577-582.

Lewis, C.A. 1995. Human health and well-being: The psychological, physiological, and sociological effects of plants on people. *Acta Horticulturae* 391: 31-39.

Liese, W. 1965. The warty layer. In Côté, W.A. Jr. (ed.) *Cellular Ultrastructure of Woody Plants*. Syracuse University Press, New York.

Liese, W. and Ledbetter, M.C. 1963. Occurrence of a warty layer in vascular cells of plants. *Nature* 197: 201-202.

Lineberger, R.D. and Steponkus, P.L. 1976. Identification and localization of vascular occlusions in cut roses. *Journal of the American Society for Horticultural Science* 101: 246-250.

Lo Gullo, M.A. and Salleo, S. 1991. Three different methods for measuring xylem cavitation and embolism: A comparison. *Annals of Botany* 67: 417-424.

Lo Gullo, M.A. and Salleo, S. 1992. Water storage in the wood and xylem cavitation in 1-year-old twigs of *Populus deltoides* Bartr. *Plant, Cell and Environment* 15: 431-438.

Lo Gullo, M.A. and Salleo, S. 1993 Different vulnerabilities of *Quercus ilex* L. to freeze-and summer drought-induced xylem embolism: An ecological interpretation. *Plant, Cell and Environment* 16: 511-519.

Lothian, N. 1953. Native flowers as cut flowers. *The South Australian Naturalist*, December: 20-22.

Lukaszewski, T.A. and Reid, M.S. 1989. Bulb-type flower senescence. *Acta Horticulturae* 261: 59-62.

Lund, B.M. 1982. The effect of bacteria on post-harvest quality of vegetables and fruits, with particular reference to spoilage. In Rhodes-Roberts, M.E. and Skinner, F.A. (eds) *Bacteria and Plants*. Academic Press, London.

Lynch, W. 1988. Marketing of flowers on the domestic market. *Proceedings of Australian Floriculture Conference*, Adelaide, South Australia, 30-31 July, pp. 15-26.

Maddock, E. 1989. The Christmas Bells Discussion Group - A new approach for a new crop. Paper presented to The Western Australian Department of Agriculture Conference on the Production and Marketing of Australian Flora, Perth, 13-14 July.

Mangin, L. 1893. Sur l'emploi du rouge de ruthénium en anatomie végétale. (On the use of ruthenium red in plant anatomy.) *Comptes Rendus. Academie des Sciences Paris* 116: 653-656.

Manning, L.E., Joyce, D.C. and Larmont, B.B. 1989. Post harvest handling of kangaroo paws. Paper presented to The Western Australian Department of Agriculture Conference on The Production and Marketing of Australian Flora, Perth, 13-14 July.

Marousky, F.J. 1969. Vascular blockage, water absorption, stomatal opening and respiration of cut 'Better Times' roses treated with 8-hydroxyquinoline citrate and sucrose. *Journal of the American Society for Horticultural Science* 94: 223-226.

Marousky, F.J. 1971. Inhibition of vascular blockage and increased moisture retention in cut roses induced by pH, 8-hydroxyquinoline citrate, and sucrose. *Journal of the American Society for Horticultural Science* 96: 38-41.

Marousky, F.J. 1980. Inhibition of cut flower bacteria by 8-hydroxyquinoline citrate. *Acta Horticulturae* 113: 81-88.

Mayak, S. 1987. Senescence of cut flowers. *HortScience* 22: 863-865.

Mayak, S., Halevy, A.H., Sagie, S., Bar-Yoseph, A. and Bravdo, B. 1974. The water balance of cut rose flowers. *Physiologia Plantarum* 31: 15-22.

McClary, C.L. and Layne, J.S. 1977. Flower vase water and ornamental potted plants as reservoirs for gram-negative pathogenic bacteria. *Developments in Industrial Microbiology* 18: 731-739.

McConchie, R. and Lang, N.S. 1993. Carbohydrate metabolism and possible mechanisms of leaf blackening in *Protea neriifolia* under dark postharvest conditions. *Journal of the American Society for Horticultural Science* 118: 355-361.

McConchie, R., Lang, N.S., Lax, A.R. and Lang, G.A. 1994. Reexamining polyphenol oxidase, peroxidase, and leaf-blackening activity in *Protea*. *Journal of the American Society for Horticultural Science* 119: 1248-1254.

McGeoch, J. 1994. Overview, future directions and threats. *Third National Workshop for Australian Native Flowers*, University of Queensland Gatton College, February, pp. 2.1-2.5.

McMillan, C. and Cope, J.M. 1969 Response to carbon monoxide by geographic variants in *Acacia farnesiana*. *American Journal of Botany* 56: 600-602.

Meller, S.M., Coppe, M.R., Ito, S. and Waterman, R.E. 1973. Transmission electron microscopy of critical point dried tissue after observation in the scanning electron microscope. *The Anatomical Record* 176: 245-252.

Metcalfe, C.R. and Chalk, L. 1950. *Anatomy of the Dicotyledons*. Volume I. Clarendon Press, Oxford.

Metcalfe, C.R. and Chalk, L. 1983. *Anatomy of the Dicotyledons*. Volume II. (2nd ed.) Clarendon Press, Oxford.

Meylan, B.A. and Butterfield, B.G. 1972a. Perforation plate development in *Knightia excelsa* R.Br: A scanning electron microscope study. *Australian Journal of Botany* 20: 79-86.

Meylan, B.A. and Butterfield, B.G. 1972b. Scalariform perforation plates: Observations using scanning electron microscopy. *Wood and Fiber* 4: 225-233.

Meylan, B.A. and Butterfield, B.G. 1972c. *Three-Dimensional Structure of Wood: A Scanning Electron Microscope Study*. Chapman and Hall, London.

Michalczuk, B., Goszczynska, D.M., Rudnicki, R.M. and Halevy, A.H. 1989. Calcium promotes longevity and bud opening in cut rose flowers. *Israel Journal of Botany* 38: 209-215.

Middleton, T.M. 1989. Modification of the latex paint infusion technique for the determination of vessel-length in hardwoods. *Wood Science and Technology* 23: 299-302.

Middleton, T.M. and Butterfield, B.G. 1990. Vessel length distribution in the stems of three New Zealand species of *Nothofagus*. *Wood Science and Technology* 24: 17-22.

Milburn, J.A. 1964. The uptake of water and solutes by plant tissue. Ph.D. thesis, The University of Aberdeen.

Milburn, J.A. 1973. Cavitation in *Ricinus* by acoustic detection: Induction in excised leaves by various factors. *Planta* 110: 253-265.

Milburn, J.A. 1979. *Water Flow in Plants*. Longman Group Limited, London.

Milburn, J.A. 1991. Cavitation and embolisms in xylem conduits. In Raghavendra, A.S. (ed.) *Physiology of Trees*. John Wiley & Sons, Inc., New York, pp. 163-174.

Milburn, J.A. and Covey-Crump, P.A.K. 1971. A simple method for the determination of conduit length and distribution in stems. *New Phytologist* 70: 427-434.

Milburn, J.A. and Johnson, R.P.C. 1966. The conduction of sap. II. Detection of vibrations produced by sap cavitation in *Ricinus* xylem. *Planta* 69: 43-52.

Milburn, J.A. and McLaughlin, M.E. 1974. Studies of cavitation in isolated vascular bundles and whole leaves of *Plantago major* L. *New Phytologist* 73: 861-871.

Milburn, J.A. and Williamson, V.G. 1993. Cavitation and embolisation in plants: Postharvest implications. A review. *Proceedings of the Australasian Postharvest Conference*, The University of Queensland Gatton College, September, Lawes, Queensland, 341-347.

Milburn, J.A. and Williamson, V.G. 1996. The loss of hydraulic conductance through vascular xylem conduits. In Donaldson, L.A., Singh, A.P., Butterfield, B.G. and Whitehouse, L. (eds) *Recent Advances in Wood Anatomy*, New Zealand Forest Research Institute Ltd., Rotorua (in press).

Mohan Ram, H.Y. and Ramanuja Rao, I.V. 1977. Prolongation of vase-life of *Lupinus hartwegii* Lindl. by chemical treatments. *Scientia Horticulturae* 7: 377-382.

Moody, H. 1993. Developing an Australian bush native into cut flower export success. *FloraCulture International*, November 3(7), 26-27.

Mor, Y., Johnson, F. and Faragher, J.D. 1989. Preserving the quality of cold-stored rose flowers with ethylene antagonists. *HortScience* 24: 640-641.

Mulder, A. 1989. Developments in flower marketing. *Acta Horticulturae* 261: 319-325.

Murashige, T. 1977. Manipulation of organ initiation in plant tissue cultures. *Botanical Bulletin of Academia Sinica* 18: 1-24.

Nasuno, S. and Starr, M.P. 1966. Pectic enzymes of *Pseudomonas marginalis*. *Phytopathology* 56: 1414-1415.

Nei, T., Yotsumoto, H., Hasegawa, Y. and Nagasawa, Y. 1971. Direct observation of frozen specimens with a scanning electron microscope (in Japanese). *Journal of Electron Microscopy* 20: 202-203.

Nei, T., Yotsumoto, H., Hasegawa, Y. and Nagasawa, Y. 1973. Direct observation of frozen specimens with a scanning electron microscope. *Journal of Electron Microscopy* 22: 185-190.

Neufeld, H.S., Grantz, D.A., Meinzer, F.C., Goldstein, G., Crisosto, G.M. and Crisosto, C. 1992. Genotypic variability in vulnerability of leaf xylem to cavitation in water-stressed and well-irrigated sugarcane. *Plant Physiology* 100: 1020-1028.

Newman, J.P., van Doorn, W. and Reid, M.S. 1990. Carbohydrate stress causes leaf blackening in proteas. *Acta Horticulturae* 264: 103-108.

Nichols, R. 1966. Ethylene production during senescence of flowers. *The Journal of Horticultural Science* 41: 279-290.

Nichols, R. 1968. The response of carnations (*Dianthus caryophyllus*) to ethylene. *The Journal of Horticultural Science* 43: 335-349.

Nowak, J. and Rudnicki, R.M. 1990. *Postharvest Handling and Storage of Cut Flowers, Florist Greens, and Potted Plants*. Timber Press Inc., Portland, Oregon.

O'Leary, W.M. (ed.) 1989. *Practical Handbook of Microbiology*. CRC Press, Inc., Florida.

Oeller, P.W., Lu, M.-W., Taylor, L.P., Pike, D.A. and Theologis, A. 1991. Reversible inhibition of tomato fruit senescence by antisense RNA. *Science* 254: 437-439.

Osborne, G. 1995. Australian cut flowers to Chelsea. *The Flower Link* 13 (September): 31, 33.

Parham, R.A. and Baird, W.M. 1974. Warts in the evolution of angiosperm wood. *Wood Science and Technology* 8:1-10.

Parsons, E., Bole, B., Hall, D.J. and Thomas, W.D.E. 1974. A comparative survey of techniques for preparing plant surfaces for the scanning electron microscope. *Journal of Microscopy (Oxford)* 101: 59-75.

Parups, E.V. and Molnar, J.M. 1972. Histochemical study of xylem blockage in cut roses. *Journal of the American Society for Horticultural Science* 97: 532-534.

Parups, E.V. and Voisey, P.W. 1976. Lignin content and resistance to bending of the pedicel in greenhouse-grown roses. *Journal of Horticultural Science* 51: 253-259.

Parvin, P. 1995. In Middelmann, M. and Coetzee, C. The Fynbos Genebank Trust, South Africa. *Chronica Horticulturae* 35(2): 16.

Parvin, P.E. and Criley, R.A. 1991. Flora of the southern hemisphere as cut foliage. *HortScience* 26(6): 82 (Abstract only).

Parvin, P.E., Criley, R.A. and Bullock, R.M. 1973. Proteas: Developmental research for a new cut flower crop. *HortScience* 8(4) 299-303.

Paull, R.E. and Dai, J.W. 1990. Protea postharvest black leaf a problem in search of a solution. *Acta Horticulturae* 264: 93-101.

Paull, R.E. and Goo, T. 1982. Pulse treatment with silver nitrate extends vase life of anthuriums. *Journal of the American Society for Horticultural Science* 107: 842-844.

Pearsall, I.S. 1972. *Cavitation*. Mills & Boon Limited, London.

Pegrum, J. 1988. The Western Australian wildflower industry - Finally coming of age. In *Proceedings of Australian Floriculture Conference*, Adelaide, South Australia, 30-31 July, pp. 29-47.

Pegrum, J. and Mussons, J. 1988. Industry background. In *Proceedings of Native Floriculture Workshop*, Perth, Western Australia, 20 May.

Percival, M. 1965. *Floral Biology*. Pergamon Press, London.

Peters, R.A. and Shorthouse, M. 1967. Note on the formation of ethylene by homogenates of *Acacia georginae*. *Life Sciences* 6: 1565-1566.

Phan, C.T. 1963. Production d'éthylène par les fleurs. (Production of ethylene by flowers.) *Comptes Rendus. Academie d'Agriculture de France* 49: 53-59.

Phipps, P.M. and Stipes, R.J. 1976. Histopathology of mimosa infected with *Fusarium oxysporum* f. sp. *perniciosum*. *Phytopathology* 66: 839-843.

Pierson, C.F., Gothoskar, S.S., Walker, J.C. and Stahmann, M.A. 1955. Histological studies on the role of pectic enzymes in the development of *Fusarium* wilt symptoms in tomato. *Phytopathology* 45: 524-527.

Polhill, R.M. and Raven, P.H. (eds) 1981. *Advances in Legume Systematics*. Part 1. Royal Botanic Gardens, Kew.

Poovaiah, B.W. 1988. Molecular and cellular aspects of calcium action in plants. *HortScience* 23: 267-271.

Poovaiah, B.W. and Leopold, A.C. 1973. Deferral of leaf senescence with calcium. *Plant Physiology* 52: 236-239.

Porat, R., Halevy, A.H., Serek, M. and Borochov, A. 1995. An increase in ethylene sensitivity following pollination is the initial event triggering an increase in ethylene production and enhanced senescence of *Phalaenopsis* orchid flowers. *Physiologia Plantarum* 93: 778-784.

Powers, H.R. 1954. The mechanism of wilting in tobacco plants affected by black shank. *Phytopathology* 44: 513-521.

Pratt, H.K. and Goeschl, J.D. 1969. Physiological roles of ethylene in plants. *Annual Review of Plant Physiology* 20: 541-584.

Put, H.M.C. 1990. Micro-organisms from freshly harvested cut flower stems and developing during the vase life of chrysanthemum, gerbera and rose cultivars. *Scientia Horticulturae* 43: 129-144.

Put, H.M.C. 1991. *Factors Affecting the Vase Life of Rosa cultivar 'Sonia': Microbiological and Scanning Electron Microscopic Investigations*. Ph.D. thesis, Landbouwuniverstiteit de Wageningen. Vijfsprong, Deventer, Netherlands.

Put, H.M.C. and Clerkx, A.C.M. 1988. The infiltration ability of micro-organisms *Bacillus*, *Fusarium*, *Kluyveromyces* and *Pseudomonas* spp. into xylem vessels of *Gerbera* cv. 'Fleur'[sic] and *Rosa* cv. 'Sonia'[sic] cut flowers: A scanning electron microscope study. *Journal of Applied Bacteriology* 64: 515-530.

Put, H.M.C. and Conway, C.C. 1986. Investigations into the influence of the microflora from stems of cut flowers on the vase-life of rose "Sonia"[sic]; gerbera "Fleur"[sic] and chrysanthemum "Spider"[sic]. *Acta Horticulturae* 181: 415-418.

Put, H.M.C. and Jansen, L. 1989. The effects on the vase life of cut *Rosa* cultivar 'Sonia'[sic] of bacteria added to the vase water. *Scientia Horticulturae* 39: 167-179.

Put, H.M.C. and Klop, W. 1990. The effects of microbial exopolysaccharides (EPS) in vase water on the water relations and the vase life of *Rosa* cv. Sonia. *Journal of Applied Bacteriology* 68: 367-384.

Put, H.M.C. and Rombouts, F.M. 1989. The influence of purified microbial pectic enzymes on the xylem anatomy, water uptake and vase life of *Rosa* cultivar 'Sonia'[sic]. *Scientia Horticulturae* 38: 147-160.

Put, H.M.C. and van der Meyden, T 1988. Infiltration of *Pseudomonas putida* cells, strain 48, into xylem vessels of cut *Rosa* cv. 'Sonia'[sic]. *Journal of Applied Bacteriology* 64: 197-208.

Put, H.M.C., Klop, W. and Clerkx, A.C.M. 1991. The infiltration ability of *Bacillus subtilis* cells into xylem vessels of cut rose cv. 'Sonia'[sic]: Cryo-SEM observations. *Acta Horticulturae* 298: 303-312.

Put, H.M.C., Klop, W., Clerkx, A.C.M. and Boekestein, A. 1992. Aluminium sulphate restricts migration of *Bacillus subtilis* in xylem of cut roses: A scaning electron microscopy study. *Scientia Horticulturae* 51: 261-274.

Quattlebaum, E.C. and Carner, G.R. 1980. A technique for preparing *Beauveria* spp. for scanning electron miroscopy. *Canadian Journal of Botany* 58: 1700-1703.

Rappel, L. 1985. The factors leading to senescence in cut flowers of *Acacia*. B.Sc.(Hons) thesis, University of New England, Armidale.

Raschi, A., Tognetti, R., Ridder, H.-W. and Béres, C. 1995. Water in the stems of sessile oak (*Quercus petraea*) assessed by computer tomography with concurrent measurements of sap velocity and ultrasound emission. *Plant, Cell and Environment* 18: 545-554.

Rasmussen, H.P. and Carpenter, W J. 1974. Changes in the vascular morphology of cut rose stems: A scanning electron microscope study. *Journal of the American Society for Horticultural Science* 99: 454-459.

Read, N.D., Porter, R. and Beckett, A. 1983. A comparison of preparative techniques for the examination of the external morphology of fungal material with the scanning electron microscope. *Canadian Journal of Botany* 61: 2059-2078.

Reddy, K.S. and Menary, R.C. 1989a. Effects of nitrogen source, rate and application time on boronia (*Boronia megastigma* Nees) leaf nitrogen and flower production. *Fertilizer Research* 19: 169-174.

Reddy, K.S. and Menary, R.C. 1989b. Vegetative growth, flowering and leaf nutrient concentration of *Boronia* as affected by nitrogen level and form. *Scientia Horticulturae* 40: 335-344.

Reichenbach, H. von (Anonymous). 1845. Untersuchungen über die zellenartigen Ausfüllungen der Gefässe. (Investigations on the cell-like structures that fill some vessels.) *BotanischeZeitung* 3: 225-231 241-253. In Zimmermann, M.H. 1979. The discovery of tylose formation by a Viennese lady in 1845. *IAWA Bulletin* 2-3: 51-56.

Reid, M. 1987. Factors affecting post harvest quality of flowers. *Commercial Horticulture* 7: 23-24.

Reid, M.S. 1989. The role of ethylene in flower senescence. *Acta Horticulturae* 261: 157-169.

Reid, M.S. and Kofranek, A.M. 1980. Recommendations for standardized vase life evaluations. *Acta Horticulturae* 113: 171-173.

Reid, M.S., van Doorn, W. and Newman, J.P. 1989. Leaf blackening in proteas. *Acta Horticulturae* 261: 81-84.

Reid, M.S., Evans, R.Y., Dodge, L.L. and Mor, Y. 1989. Ethylene and silver thiosulfate influence opening of cut rose flowers. *Journal of the American Society for Horticultural Science* 114: 436-440.

Reid, M.S., Paul, J.L., Farhoomand, M.B., Kofranek, A.M. and Staby, G.L. 1980. Pulse treatments with the silver thiosulphate complex extend the vase life of cut carnations. *Journal of the American Society for Horticultural Science* 105: 25-27.

Reynolds, O. 1873. The causes of the racing of the engines of screw steamers investigated theoretically and by experiment. *Transactions of the Institution of Naval Architects Volume 14. Science Papers* 1: 56-67.

Richards, D. 1985. Effect of cytokinin application and environment on growth and flowering of *Boronia heterophylla* F. Muell. *Scientia Horticulturae* 27: 325-334.

Ritchie, G.A. and Hinckley, T.M. 1975. The pressure chamber as an instrument for ecological research. *Advances in Ecological Research* 9: 165-254.

Ritman, K.T. 1988. Plant water relations: Investigations into acoustic emission and transmission. Ph.D. thesis, University of New England, Armidale.

Ritman, K.T. and Milburn, J.A. 1988. Acoustic emissions from plants: Ultrasonic and audible compared. *Journal of Experimental Botany* 39: 1237-1248.

Ritman, K.T. and Milburn, J.A. 1990. The acoustic detection of cavitation in fern sporangia. *Journal of Experimental Botany* 41: 1157-1160.

Ritman, K.T. and Milburn, J.A. 1991. Monitoring of ultrasonic and audible emissions from plants with or without vessels. *Journal of Experimental Botany* 42: 123-130.

Roberts, N.J. and Menary, R.C. 1989. Environmental interaction between daylength, night temperature, and photon flux density on growth and flowering in *Boronia megastigma* Nees. *Journal of Horticultural Science* 64: 597-604.

Rodríguez Pérez, J.A. 1989. Introduction of proteas for cut flower and foliage in Tenerife. *Acta Horticulturae* 246: 265-267.

Rogers, M.N. 1973. An historical and critical review of postharvest physiology research on cut flowers. *HortScience* 8: 189-194.

Roh, M.S. and Lawson, R.H. 1993. Progress of new crops research - a cooperative program between the government and industry. *Acta Horticulturae* 337: 145-152.

Roth, I. 1961. Physiological aspects of injury caused by *Xanthomonas campestris* in vascular tissue. *Bulletin. Research Council of Israel* 10: 271-274.

Rudnicki, R.M., Nowak, J. and Goszczynska, D.M. 1991. Cold storage and transportation conditions for cut flower cuttings and potted plants. *Acta Horticulturae* 298: 225-236.

Rule, D.E., Holstead, C. and Palost, G. 1986. Hydration solutions versus preservative solutions as pretreatments in tap and standardized waters. *Acta Horticulturae* 181: 195-200.

Ruting, A. 1991. Effects of wetting agents and cut flower food on the vase life of cut roses. *Acta Horticulturae* 298: 69-74.

Salisbury, F.B. and Ross, C.W. 1985. *Plant Physiology*. Wadsworth Publishing Company Inc., California.

Salleo, S. and Lo Gullo, M.A. 1986. Xylem cavitation in nodes and internodes of whole *Chorisia insignis* H.B. et K. plants subjected to water stress: Relations between xylem conduit size and cavitation. *Annals of Botany* 58: 431-441.

Salleo, S. and Lo Gullo, M.A. 1989. Different aspects of cavitation resistance in *Ceratonia siliqua*, a drought-avoiding Mediterranean tree. *Annals of Botany* 64: 325-336.

Salleo, S., Lo Gullo, M.A., de Paoli D. and Zippo, M. 1996. Xylem recovery from cavitation-induced embolism in young plants of *Laurus nobilis*: A possible mechanism. *New Phytologist* 132: 47-56.

Salleo, S., Hinckley, T.M., Kikuta S.B., Lo Gullo, M.A., Weilgony, P., Yoon, T.-M. and Richter, H. 1992. A method for inducing xylem emboli *in situ*: Experiments with a field-grown tree. *Plant, Cell and Environment* 15: 491-497.

Salunkhe, D.K., Bhat, N.R. and Desai, B.B. 1990. *Postharvest Biotechnology of Flowers and Ornamental Plants*. Springer-Verlag, Berlin.

Sandford, A.P. and Grace, J. 1985. The measurement and interpretation of ultrasound from woody stems. *Journal of Experimental Botany* 36: 298-311.

Sands, D.C., Hankin, L. and Zucker, M. 1972. A selective medium for pectolytic fluorescent pseudomonads. *Phytopathology* 62: 998-1000.

Schmid, R. and Machado, R.D. 1964. Zur entstehung und feinstruktur skulpturierter hoftüpfel bei Leguminosen. (On the development and fine structure of sculptured pits in the Leguminosae.) *Planta* 60: 612-626.

Schmitt, U. and Liese, W. 1993. Response of xylem parenchyma by suberization in some hardwoods after mechanical injury. *Trees* 8: 23-30.

Scholander, P.F., Love, W.E. and Kanwisher, J.W. 1955. The rise of sap in tall grapevines. *Plant Physiology* 30: 93-104.

Scholander, P.F., Hammel, H.T., Bradstreet, E.D. and Hemmingsen, E.A. 1965. Sap pressure in vascular plants. *Science* 148 339-346.

Scholander, P.F., Hammel, H.T., Hemmingsen, E.A. and Bradstreet, E.D. 1964. Hydrostatic pressure and osmotic potential in leaves of mangroves and some other plants. *Proceedings of the National Academy of Sciences of the United States of America* 52: 119-125.

Scholander, P.F., Hammel, H.T., Hemmingsen, E. and Garey, W. 1962. Salt balance in mangroves. *Plant Physiology* 37: 722-729.

Scurfield, G. and Silva, S. 1969. The structure of reaction wood as indicated by scanning electron microscopy. *Australian Journal of Botany* 17: 391-402.

Scurfield, G. and Silva, S.R. 1970. The vestured pits of *Eucalyptus regnans* F. Muell.: A study using scanning electron microscopy. *Botanical Journal of the Linnean Society* 63: 313-320.

Scurfield, G., Silva, S.R. and Ingle, H.D. 1970. Vessel wall structure: An investigation using scanning electron microscopy. *Australian Journal of Botany* 18: 301-312.

Sedgley, M. 1989. Acacia. In Halevy, A.H. (ed.), *Handbook of Flowering*. Volume VI. CRC Press, Inc., Florida, pp. 1-11.

Sedgley, M. and Parletta, M. 1993. Australian acacias have huge potential as cut flowers. *Australian Horticulture*, February: 24-26.

Serek, M., Sisler, E.C. and Reid, M.S. 1993. Commercial prospects for moderating the effects of ethylene in potted flowering plants. Proceedings of the Australasian Postharvest Conference, Gatton, Australia, 20-24 September.

Serek, M., Reid, M.S. and Sisler, E.C. 1994a. A volatile ethylene inhibitor improves the postharvest life of potted roses *Journal of the American Society for Horticultural Science* 119: 572-577.

Serek, M., Sisler, E.C. and Reid, M.S. 1994b. Novel gaseous ethylene binding inhibitor prevents ethylene effects in potted flowering plants. *Journal of the American Society for Horticultural Science* 119: 1230-1233.

Serek, M., Tamari, G., Sisler, E.C. and Borochov, A. 1995. Inhibition of ethylene-induced cellular senescence symptoms by 1-methylcyclopropene, a new inhibitor of ethylene action. *Physiologia Plantarum* 94: 229-232.

Sexton, R., Porter, A.E., Littlejohns. S. and Thain, S.C. 1995. Effects of diazocyclopentadiene (DACP) and silver thiosulphate (STS) on ethylene regulated abscission of sweet pea flowers (*Lathyrus odoratus* L.). *Annals of Botany* 75: 337-342.

Shakespeare, W. 1978 (1592). *The First Part of King Henry the Fourth*. Davison, P.H. (ed.) Penguin Books Ltd., Middlesex.

Simpson, G.M. 1981. *Water Stress on Plants*. Praeger Publishers, New York.

Sisler, E.C. and Blankenship, S.M. 1991a. Action of a photoaffinity label on ethylene processes in plants. *Plant Physiology* 96S: 158 (Abstract only).

Sisler, E.C. and Blankenship, S.M. 1991b. Retardation of tomato ripening by a photoaffinity label. *Plant Physiology* 96S: 158 (Abstract only).

Sisler, E.C. and Blankenship, S.M. 1993. Diazocyclopentadiene, a light sensitive reagent for the ethylene receptor. Plant Growth Regulation 12: 125-132. In: Serek, M., Sisler, E.C. and Reid, M.S. 1993. Commercial prospects for moderating the effects of ethylene in potted flowering plants. Proceedings of the Australasian Postharvest Conference, Gatton, Australia, 20-24 September.

Sisler, E.C. and Pian, A. 1973. Effect of ethylene and cyclic olefins on tobacco leaves. Tob. Sci. 17: 68-72. In: Sisler, E.D , Reid, M.S. and Fujino, D.W. 1983. Investigation of the mode of action of ethylene in carnation senescence. *Acta Horticulturae* 141: 229-234.

Siti Aishah, H. and Yenni Erliana, M. 1992. Calcium fertilization effects on growth and vase life of *Chrysanthemum morifolium*. *Transactions of the Malaysian Society of Plant Physiology* 3: 93-94.

Skene, D.S. and Balodis, V. 1968. A study of vessel length in *Eucalyptus obliqua* L'Hérit. *Journal of Experimental Botany* 19: 825-830.

Slatyer, R.O. 1962. Internal water balance of *Acacia aneura* F. Muell. in relation to environmental conditions. *Aria Zone Research* 16: 137-146.

Slatyer, R.O. 1967. *Plant-Water Relationships*. Academic Press, London.

Slavík, B. 1974. *Methods of Studying Plant Water Relations*. Ecological Studies 9. Jacobs, J., Lange, O., Olson, J.S. and Wieser, W. (eds). Springer-Verlag, Berlin.

Smith, W.K. 1958. A survey of the production of pectic enzymes by plant pathogenic and other bacteria. *Journal of General Microbiology* 18: 33-41.

Smith, W.L.Jr. and Smart, H.F. 1955. Relation of soft rot development to protective barriers in Irish potato slices. *Phytopathology* 45: 649-654.

Sobrado, M.A., Grace, J. and Jarvis, P.G. 1992. The limits to xylem embolism recovery in *Pinus sylvestris* L. *Journal of Experimental Botany* 43: 831-836.

Sperry, J.S. 1986. Relationship of xylem embolism to xylem pressure potential, stomatal closure, and shoot morphology in the palm *Rhapis excelsa*. *Plant Physiology* 80: 110-116.

Sperry, J.S. and Pockman, W.T. 1993. Limitation of transpiration by hydraulic conductance and xylem cavitation in *Betula occidentalis*. *Plant, Cell and Environment* 16: 279-287.

Sperry, J.S. and Tyree, M.T. 1988. Mechanism of water stress-induced xylem embolism. *Plant Physiology* 88: 581-587.

Sperry, J.S. and Tyree, M.T. 1990. Water-stress-induced embolism in three species of conifers. *Plant, Cell and Environment* 13: 427-436.

Sperry, J.S., Donnelly, J.R. and Tyree, M.T. 1988. A method for measuring hydraulic conductivity and embolism in xylem. *Plant, Cell and Environment* 11: 35-40.

Sperry, J.S., Perry, A.H. and Sullivan, J.E.M. 1991. Pit membrane degradation and air-embolism formation in ageing xylem vessels of *Populus tremuloides* Michx. *Journal of Experimental Botany* 42: 1399-1406.

Sperry, J.S., Holbrook, N.M., Zimmermann, M.H. and Tyree, M.T. 1987. Spring filling of xylem vessels in wild grapevine. *Plant Physiology* 83: 1-4.

Stanier, R.Y., Palleroni, N.J. and Doudoroff, M. 1966. The aerobic pseudomonads: A taxonomic study. *Journal of General Microbiology* 43: 159-271.

Stanley, T.D. and Ross, E.M. 1983. *Flora of South-Eastern Queensland*. Volume 1. Queensland Department of Primary Industries, Brisbane.

Sterling, C. 1970. Crystal-structure of ruthenium red and stereochemistry of its pectic stain. *American Journal of Botany* 57(2): 172-175.

Stocking, C.R. 1948. Recovery of turgor by cut shoots after wilting. *Plant Physiology* 23: 152-155.

Stoddard, E.M. and Miller, P.M. 1962. Chemical control of water loss in growing plants. *Science* 137: 224-225.

Street, H.E. and Öpik, H. 1976. *The Physiology of Flowering Plants: Their Growth and Development*. Edward Arnold (Publishers) Ltd., London.

Strelis, I. and Green, H.V. 1962. Tyloses and their detection. *Pulp and Paper Magazine of Canada* 63: T307-310, 330.

Stålfelt, M.G. 1961. The effect of the water deficit on the stomatal movements in a carbon dioxide-free atmosphere. *Physiologia Plantarum* 14: 826-843.

Sugiyama, S. 1995. *Australian Flowers*. Australian Embassy Marketing Office (Austrade), Canberra.

Sunglow Flowers Pty. Ltd. 1990. Boronia (*Boronia heterophylla*). *Plant Varieties Journal* 3(4): 25-26.

Sutton, J.C. and Williams, P.H. 1970. Relation of xylem plugging to black rot lesion development in cabbage. *Canadian Journal of Botany* 48: 391-401.

SYSTAT, Inc. 1992. *SYSTAT for the Macintosh, Version 5.2.1*. SYSTAT, Inc., Evanston, Illinois.

Sytsema, W. 1975. Conditions for measuring vase life of cut flowers. *Acta Horticulturae* 41: 217-226.

Sytsema, W. 1980. Vase life and development of carnations as influenced by silverthiosulphate. *Acta Horticulturae* 113: 33-37.

Taplin, D. and Mertz, P.M. 1973. Flower vases in hospitals as reservoirs of pathogens. *The Lancet* 7841: 1279-1281.

Tija, B. 1988. New crops to consider for New Zealand and Australia to enter the world market. *International Plant Propagators' Society, Combined Proceedings* 37: 166-171.

Timmermans, U. 1989. Produktie van mimosa trekt snellër bij dan verwacht. Goede resultaten met ingevoerde technieken na natuurrampen. (Mimosa production recovers faster than expected. Good results with introduced techniques after natural disasters.) *Vakblad voer de Bloemisterij* 18: 39-41.

Tortora, G.J., Funke, B.R. and Case, C.L. 1986. *Microbiology: An Introduction*. The Benjamin/Cummings Publishing Company, Inc., California.

Turner, N.C. and Long, M.J. 1980. Errors arising from rapid water loss in the measurement of leaf water potential by the pressure chamber technique. *Australian Journal of Plant Physiology* 7: 527-537.

Turner, R.H. and Smith, C.B. 1974. A simple technique for examining fresh, frozen, biological specimens in the scanning electron microscope. *Journal of Microscopy (Oxford)* 102: 209-214.

Tyree, M.T. and Dixon, M.A. 1983. Cavitation events in *Thuja occidentalis* L.? Ultrasonic acoustic emissions from the sapwood can be measured. *Plant Physiology* 72: 1094-1099.

Tyree, M.T. and Dixon, M.A. 1986. Water stress induced cavitation and embolism in some woody plants. *Physiologia Plantarum* 66: 397-405.

Tyree, M.T. and Hammel, H.T. 1972. The measurement of the turgor pressure and the water relations of plants by the pressure-bomb technique. *Journal of Experimental Botany* 23: 267-282.

Tyree, M.T. and Sperry, J.S. 1989a. Characterization and propagation of acoustic emission signals in woody plants: Towards an improved acoustic emission counter. *Plant, Cell and Environment* 12: 371-382.

Tyree, M.T. and Sperry, J.S. 1989b. Vulnerability of xylem to cavitation and embolism. *Annual Review of Plant Physiology and Molecular Biology* 40: 19-38.

Tyree, M.T., Dixon, M.A. and Thompson, R.G. 1984. Ultrasonic acoustic emissions from the sapwood of *Thuja occidentalis* measured inside a pressure bomb. *Plant Physiology* 74: 1046-1049.

Tyree, M.T., Dixon, M.A., Tyree, E.L. and Johnson, R. 1984. Ultrasonic acoustic emissions from the sapwood of cedar and hemlock. An examination of three hypotheses regarding cavitations. *Plant Physiology* 75: 988-992.

Tyree, M.T., Fiscus, E.L., Wullschleger, S.D. and Dixon, M.A. 1986. Detection of xylem cavitation in corn under field conditions. *Plant Physiology* 82: 597-599.

Tyree, M.T., MacGregor, M.E., Petrov, A. and Upenieks, M.I. 1978. A comparison of systematic errors between the Richards and Hammel methods of measuring tissue-water relations parameters. *Canadian Journal of Botany* 56: 2153-2161.

Underwood, A.J. 1981. Techniques of analysis of variance in experimental marine biology and ecology. *Oceanography and Marine Biology: An Annual Review* 19: 513-605.

Urban, I. and Lemattre, M. 1991. Cut flowers quality policy in France. *Acta Horticulturae* 298: 37-45.

van Berkel, N. 1987. Injurious effects of low ethylene concentrations on *Chrysanthemum morifolium* Ramat. *Acta Horticulturae* 197: 43-48.

van Doorn, W.G. 1989. Role of physiological processes, microorganisms, and air embolism in vascular blockage of cut rose flowers. *Acta Horticulturae* 261: 27-34.

van Doorn, W.G. and de Witte Y. 1991. Effect of bacterial suspensions on vascular occlusions in stems of cut rose flowers. *Journal of Applied Bacteriology* 71: 119-123.

van Doorn, W.G. and de Witte, Y. 1994. Effect of bacteria on scape bending in cut *Gerbera jamesonii* flowers. *Journal of the American Society for Horticultural Science* 119: 568-571.

van Doorn, W.G. and Perik, R.R.J. 1990. Hydroxyquinoline citrate and low pH prevent vascular blockage in stems of cut rose flowers by reducing the number of bacteria. *Journal of the American Society for Horticultural Science* 115: 979-981.

van Doorn, W.G. and Woltering, E.J. 1991. Developments in the use of growth regulators for the maintenance of postharvest quality in cut flowers and potted plants. *Acta Horticulturae* 298: 195-209.

van Doorn, W.G., Buis, H.C.E.M. and de Witte, Y. 1986. Effect of exogenous bacterial concentrations on water relations of cut flowers. II. Bacteria in the vase solution. *Acta Horticulturae* 181: 463-465.

van Doorn, W.G., Clerkx, A. and Boekestein, A. 1991a. Bacteria as a cause of vascular occlusion in cut fronds of *Adiantum raddianum*: A scanning electron microscope study. *Scientia Horticulturae* 48: 299-309.

van Doorn, W.G., Clerkx, A. and Boekestein, A. 1991b. The use of cryo-electron microscopy and cryo-ultramilling to investigate the occlusion in the xylem of cut rose flowers. *Acta Horticulturae* 298: 183-188.

van Doorn, W.G., de Witte, Y. and Perik, R.R.J. 1990. Effect of antimicrobial compounds on the number of bacteria in stems of cut rose flowers. *Journal of Applied Bacteriology* 68: 117-122.

van Doorn, W.G., de Witte, Y. and Waltmann, B.C.H. 1986. Effect of exogenous bacterial concentrations on water relations of cut rose flowers. I. Bacteria in the basin water. *Acta Horticulturae* 181: 459-462.

van Doorn, W.G., Harkema, H. and Otma, E. 1991. Is vascular blockage in stems of cut lilac flowers mediated by ethylene? *Acta Horticulturae* 298: 177-181.

van Doorn, W.G., Pak, C. and Budcendorf, C.J.J. 1993. Effects of surfactants on the vascular occlusion induced by exposure to air in cut flowering stems of astilbe, bouvardia and rose. *Journal of Plant Physiology* 141: 251-253.

van Doorn, W.G., Schurer, K. and de Witte, Y. 1989. Role of endogenous bacteria in vascular blockage of cut rose flowers. *Journal of Plant Physiology* 134: 375-381.

van Doorn, W.G., Thiel, F. and Boekestein, A. 1990. Cryoscanning electron microscopy of a layer of extracellular polysaccharides produced by bacterial colonies. *Scanning* 12: 297-299.

van Doorn, W.G., Zagory, D. and Reid, M.S. 1991. Role of ethylene and bacteria in vascular blockage of cut fronds from the fern *Adiantum raddianum*. *Scientia Horticulturae* 46: 161-169.

van Doorn, W.G., de Stigter, H.C.M., de Witte, Y. and Boekestein, A. 1991. Micro-organisms at the cut surface and in xylem vessels of rose stems: A scanning electron microscopy study. *Journal of Applied Bacteriology* 70: 34-39.

van Doorn, W.G., Zagory, D., de Witte, Y. and Harkema, H. 1991. Effects of vase-water bacteria on the senescence of cut carnation flowers. *Postharvest Biology and Technology* 1: 161-168.

VanderMolen, G.E., Beckman, C.H. and Rodehorst, E. 1977. Vascular gelation: A general response phenomenon following infection. *Physiological Plant Pathology* 11: 95-100.

Veen, H. 1986. A theoretical model for anti-ethylene effects of silver thiosulphate and 2,5-norbornadiene. *Acta Horticulturae* 181: 129-134.

Veen, H. and van de Geijn, S.C. 1978. Mobility and ionic form of silver as related to longevity of cut carnations. *Planta* 140: 93-96.

von Hentig, W.-U. 1995. The development of "new ornamental plants" in Europe. *Acta Horticulturae* 397: 9-29.

von Hentig, W.-U. and Hass-Tschirschke, I. 1989. Development of Australian ornamental plants under central European conditions. *Acta Horticulturae* 252: 37-49.

von Hentig, W.-U., Ehlers, D., Hentig, F. and Seyring, M. 1995. The development of *Ptilotus exaltatus* R.Br. under central European conditions. *Acta Horticulturae* 397: 163-180.

Vonk Noordegraaf, C. 1993. Changes in floricultural crops in Europe. *Acta Horticulturae* 337: 43-51.

Ward, T.M., Wright, M., Roberts, J.A., Self, R. and Osborne, D.J. 1978. Analytical procedures for the assay and identification of ethylene. In Hillman, J.R. (ed) 1978. *Isolation of Plant Growth Substances*. Society for Experimental Biology, Seminar Series 4. Cambridge University Press, Melbourne.

Wardrop, A.B. and Davies, G.W. 1962. Wart structure of gymnosperm tracheids. *Nature* 194: 497-498.

Wardrop, A.B., Ingle, H.D. and Davies, G.W. 1963. Nature of vestured pits in angiosperms. *Nature* 197: 202-203.

Weatherley, P.E. 1950. Studies in the water relations of the cotton plant. I. The field measurement of water deficits in leaves. *New Phytologist* 49: 81-97.

Webster, B.D. 1968. Anatomical aspects of abscission. *Plant Physiology* 43: 1512-1544.

Wesley, A. and Kuyper, B. 1951. Electron-microscopic observations on the xylem elements of a fossil plant. *Nature* 168: 137-140.

West, D.W. and Gaff, D.F. 1971. An error in the calibration of xylem-water potential against leaf-water potential. *Journal of Experimental Botany* 22: 342-346.

West, D.W. and Gaff, D.F. 1976. Xylem cavitation in excised leaves of *Malus sylvestris* Mill. and measurement of leaf water status with the pressure chamber. *Planta* 129: 15-18.

Whitehead, C.S., Halevy, A.H. and Reid, M.S. 1984. Control of ethylene synthesis during development and senescence of carnation petals. *Journal of the American Society for Horticultural Science* 109: 473-475.

Wiegand, K.M. 1906. Pressure and flow of sap in the maple. *The American Naturalist* 40: 409-453.

Wilkins, M.B. (ed.) 1984. *Advanced Plant Physiology*. Pitman Publishing Limited, London.

Wilkinson, H.P. 1979. The plant surface (mainly leaf). Part I: Stomata. In Metcalfe, C.R. and Chalk, L. *Anatomy of the Dicotyledons*. Volume I. (2nd ed.) Clarendon Press, Oxford.

Williamson, V. 1989. Studies in the disruption of water flow through the xylem of excised flowering *Acacia* stems. B.Sc.(Hons) thesis, University of New England, Armidale.

Williamson, V.G. and Milburn, J.A. 1995. Cavitation events in cut stems kept in water: Implications for cut flower senescence. *Scientia Horticulturae* 64: 219-232.

Wilson, A.J. and Robards, A.W. 1984. *An Atlas of Low Temperature Scanning Electron Microscopy*. Centre for Cell & Tissue Research, University of York, England.

Winer, B.J. 1971. *Statistical Principles in Experimental Design*. McGraw-Hill Book Company, New York.

Wisniewski, M., Davis, G. and Arora, R. 1991. Effect of macerase, oxalic acid, and EGTA on deep supercooling and pit membrane structure of xylem parenchyma of peach. *Plant Physiology* 96: 1354-1359.

Witham, H.T.M. 1833. *The Internal Structure of Fossil Vegetables found in the Carboniferous and Oolitic Deposits of Great Britain*. Adam and Charles Black, Edinburgh. In Barghoorn, E.S. and Scott, R.A. 1958. Degradation of the plant cell wall and its relation to certain tracheary features of the Lepidodendrales. *American Journal of Botany* 45: 222-227.

Woltering, E.J. 1984. Ethyleengevoeligheid van zomerbloemen. [Ethylene sensitivity of cut (summer) flowers.] Voorbehandeling voorkomt schade. *Vakblad voor de Bloemisterij* 17: 34-37. In Reid, M.S. 1989. The role of ethylene in flower senescence. *Acta Horticulturae* 261: 157-169.

Woltering, E.J. 1987a. Effects of ethylene on ornamental pot plants: A classification. *Scientia Horticulturae* 31: 283-294.

Woltering, E.J. 1987b. The effects of leakage of substances from mechanically wounded rose stems on bacterial growth and flower quality. *Scientia Horticulturae* 33: 129-136.

Woltering, E.J. and van Doorn, W.G. 1988. Role of ethylene in senescence of petals - Morphological and taxonomical relationships. *Journal of Experimental Botany* 39: 1605-1616.

Woodland, P.S. 1982. Studies in the genus *Eupomatia* R.Br. (Eupomatiaceae): Morphology, anatomy and embryology. M.Sc. thesis, University of New England, Armidale.

Woods, B. 1988. Pests of native flowers. *Journal of Agriculture* 4: 119-121.

Wu, M.J., van Doorn, W.G. and Reid, M.S. 1991. Variation in the senescence of carnation (*Dianthus caryophyllus* L.) cultivars. I. Comparison of flower life, respiration, and ethylene biosynthesis. *Scientia Horticulturae* 48: 99-107.

Wu, M.J., Zacarias, L. and Reid, M.S. 1991. Variation in the senescence of carnation (*Dianthus caryophyllus* L.) cultivars. II. Comparison of sensitivity to exogenous ethylene and of ethylene binding. *Scientia Horticulturae* 48: 109-116.

Wu, M.J., Zacarias, L., Saltveit, M.E. and Reid, M.S. 1992. Alcohols and carnation senescence. *HortScience* 27: 136-138.

Yang, S.F. and Hoffman, N.E. 1984. Ethylene biosynthesis and its regulation in higher plants. *Annual Review of Plant Physiology* 35: 155-189.

Yu, Y.-B., Adams, D.O. and Yang, S.F. 1979. 1-aminocyclopropanecarboxylate synthase, a key enzyme in ethylene biosynthesis. *Archives of Biochemistry and Biophysics* 198: 280-286.

Zagory, D. and Reid, M.S. 1986a Evaluation of the role of vase microorganisms in the postharvest life of cut flowers. *Acta Horticulturae* 181: 207-217.

Zagory, D. and Reid, M.S. 1986b. Role of vase solution microorganisms in the life of cut flowers. *Journal of the American Society for Horticultural Science* 111(1): 154-158.

Zamski, E., Starkman, F. and Zieslin, N. 1991. Mechanical strength and anatomical structure of the peduncles of rose (*Rosa* × *hybrida*) flowers. *Israel Journal of Botany* 40: 1-6.

Zelitch, I. 1969. Stomatal control. *Annual Review of Plant Physiology* 20: 329-350.

Zentmyer, G.A. 1943. Mechanism of action of 8-hydroxyquinoline. *Phytopathology* 33: 1121 (Abstract only.)

Zhou, W.Z. 1995. The role of horticulture in human history and culture. *Acta Horticulturae* 391: 41-52.

Zieslin, N., Kohl, H.C.Jr., Kofranek, A.M. and Halevy, A.H. 1978. Changes in the water status of cut roses and its relationship to bent-neck phenomenon. *Journal of the American Society for Horticultural Science* 103: 176-179.

Zimmermann, M.H. 1978. Hydraulic architecture of some diffuse-porous trees. *Canadian Journal of Botany* 56: 2286-2295.

Zimmermann, M.H. 1979. The discovery of tylose formation by a Viennese lady in 1845. *IAWA Bulletin* 2-3: 51-56.

Zimmermann, M.H. 1983. *Xylem Structure and the Ascent of Sap*. Springer-Verlag, Berlin.

Zimmermann, M.H. and Brown, C.L. 1971. *Trees: Structure and Function*. Springer-Verlag, Berlin.

Zimmermann, M.H. and Jeje, A.A. 1981. Vessel-length distribution in stems of some American woody plants. *Canadian Journal of Botany* 59: 1882-1892.

Zimmermann, M.H. and Milburn, J A. 1982. Transport and storage of water. In Lange, O.L., Nobel, P.S., Osmond, C.B. and Ziegler, H. (eds) *Encyclopedia of Plant Physiology*. New Series Volume 12B. Physiological Plant Ecology II: Water Relations and Carbon Assimilation. Springer-Verlag Berlin, pp. 135-151.

Zimmermann, M.H. and Potter, D. 1982. Vessel-length distribution in branches, stem and roots of *Acer rubrum* L. *IAWA Bulletin* 3: 103-109.

Zucker, M. and Hankin, L. 1970a. Physiological basis for a cycloheximide-induced soft rot of potatoes by *Pseudomonas fluorescens*. *Annals of Botany* 34: 1047-1062.

Zucker, M. and Hankin, L. 1970b. Regulation of pectate lyase synthesis in *Pseudomonas fluorescens* and *Erwinia carotovora*. *Journal of Bacteriology* 104: 13-18.

Zucker, M., Hankin, L. and Sands, D. 1972. Factors governing pectate lyase synthesis in soft rot and non-soft rot bacteria. *Physiological Plant Pathology* 2: 59-67.

Zweypfenning, R.C.V.J. 1978. A[sic] hypothesis on the function of vestured pits. *IAWA Bulletin* 1: 13-15.