

Supplementary material.

Ralph Owen Slatyer 1929–2012

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File S1.

- All Honours
- Significant Appointments
- Complete List of Publications

All Honours

1950 David Evans Memorial Prize, University of Western Australia
1960 Edgeworth David Medal, Royal Society of New South Wales
1967 Fellow, Australian Academy of Science (FAA)
1968 Medal of the Australian Institute of Agricultural Science
1970 Andrew Stewart Memorial Lecturer, University of Western Australia
1972 Sir William Macleay Lecturer, Australia and New Zealand Association for the Advancement of Science
1975 Fellow, Royal Society, London (FRS)
1975 Honorary (Corresponding) Membership of the American Society of Plant Physiologists
1976 Foreign Associate Member of the United States National Academy of Sciences
1977 Queen Elizabeth II Silver Jubilee Medal
1977 Hannaford Lecturer, Waite Agricultural Research Institute, University of Adelaide
1981 Foreign Member, American Academy of Arts and Sciences
1982 Officer of the Order of Australia (AO) for contributions to science
1983 Honorary Degree of Doctor of Science from the University of Western Australia
1984 Elected Honorary Member, British Ecological Society
1985 Awarded Senior Anzac Fellowship by the Government of New Zealand
1986 Honorary Degree of Doctor of Science from Duke University
1986 Annual Oration, Australian Academy of Technological Sciences
1990 Keynote Speaker, General Assembly of the International Union for Conservation of Nature and Natural Resources (IUCN)
1991 Medal of the Australian and New Zealand Association for the Advancement of Science
1992 Fellow, Australian Academy of Technological Sciences and Engineering
1992 Honorary Degree of Doctor of Science from the University of Queensland
1993 Companion of the Order of Australia (AC) for contributions to science and technology and their applications in industry and the environment
1993 Gold Medal, Ecological Society of Australia
1996 Honorary Foreign Member, Korea Academy of Science and Technology
1998 Medal of the Australian National Commission for UNESCO
1999 Honorary Doctorate of Applied Science, Charles Sturt University
2001 Clunies Ross Award for Lifetime Contribution to Science and Technology
2001 Centenary Medal for lifetime of service to environmental issues

Significant Appointments

1951-1967 CSIRO various positions
1967-1992 ANU various positions
1969-1971 President of the Ecological Society of Australia.
1973-1983 President, (1977-81) International Coordinating Council of the Intergovernmental Program on "Man and the Biosphere, Member of Bureau (1973-83) (UNESCO).
1976-1991 President (1982-85) of the Scientific Committee on Problems of the Environment (SCOPE), Member of the Executive Committee (1976-91) (International Council of Scientific Unions).
1979-1983 Chairman, (1981-83) World Heritage Committee, Vice-Chairman (1980-81) (UNESCO).

1981-1984 Chairman, Australian Biological Resources Study (ABRS).
(Department of the Environment)
1982-1987 Chairman, Australian Science and Technology Council
(ASTEC). (Department of the Prime Minister and Cabinet)
1989-1992 Executive Officer, Prime Minister's Science Council
(Department of the Prime Minister and Cabinet).
1989-1992 Chairman, Coordination Committee on Science and
Technology (Department of the Prime Minister and
Cabinet).
1990-1993 Chairman, Cooperative Research Centres Program,
(Department of the Prime Minister and Cabinet).

Complete List of Publications

RALPH SLATYER

PUBLICATIONS

(More significant publications marked with an asterisk *)

BOOKS (Authored or Edited) 1961 "Practical Micro-climatology", R O Slatyer and I C
McIlroy, (UNESCO, Paris). *
1967 "Plant-Water Relationships", (Academic Press, London). *
1969 "Arid Lands of Australia", R O Slatyer and R A Perry eds (ANU Press, Canberra).
1970 "Man and the New Biology", R O Slatyer, (ANU Press, Canberra). *
1971 "Photosynthesis and photorespiration", M D Hatch, C B Osmond and R O Slatyer
eds. (Wiley Interscience, New York).
1974 "Plant Responses to Climatic Factors", R O Slatyer ed. (UNESCO, Paris).

PUBLICATIONS OTHER THAN BOOKS

1. Christian, C.S. and Slatyer, R.O. (1953). Climate in relation to agriculture in the Townsville-Bowen region. *CSIRO Land Research Series* 2: 13-22.
2. Slatyer, R.O. and Christian, C.S. (1954). Climate of the Barkly region. *CSIRO Land Research Series* 3: 17-33.
3. Slatyer, R.O. (1954). A note on the available moisture range of some northern Australian soils. *The Journal of the Australian Institute of Agricultural Science* 20: 46-47.
4. Slatyer, R.O. (1955). Studies of the water relations of crop plants grown under natural rainfall in northern Australia. *Australian Journal of Agricultural Research* 6: 365-377. *
5. Slatyer, R.O. (1956). Evapotranspiration in relation to soil moisture. *Netherlands Journal of Agricultural Sciences* 4: 73-76.
6. Slatyer, R.O. (1956). Absorption of water from atmospheres of different humidity and its transport through plants. *Australian Journal of Biological Sciences* 9: 552-558.
7. Weatherley, P.E. and Slatyer, R.O. (1957). Relationship between relative turgidity and diffusion pressure deficit in leaves. *Nature* 179: 1085-1086.
8. Slatyer, R.O. (1957). The influence of progressive increases in total soil moisture stress, on transpiration, growth and internal water relationships of plants. *Australian Journal of Biological Sciences* 10: 320-336. *
9. Slatyer, R.O. (1957). The significance of the permanent wilting percentage in

- studies of plant and soil water relations. *Botanical Review* 23: 585-636. *
10. Christian, C.S. and Slatyer, R.O. (1958). Some observations on vegetation changes and water relationships in arid areas. *UNESCO Arid Zone Research* 11: 156-158.
 11. Slatyer, R.O. (1958). Availability of water to plants. *UNESCO Arid Zone Research* 11: 159-164.
 12. Slatyer, R.O. (1958). The measurement of diffusion pressure deficit in plants by a method of vapour equilibration. *Australian Journal of Biological Sciences* 11: 349-365.
 13. Slatyer, R.O. (1960). Agricultural Climatology of the Yass Valley. CSIRO Division of Land Research and Regional Survey Technical Paper 6.
 14. Slatyer, R.O. (1960). Absorption of water by plants. *Botanical Review* 26: 331-392.
 15. Slatyer, R.O. (1960). Aspects of the tissue water relationships of an important arid zone species (*Acacia aneura* F. Muell.) in comparison with two mesophytes. *Bulletin Research Council Israel* 8D: 159-168.
 16. Slatyer, R.O. and Taylor, S.A. (1960). Terminology in plant-soil-water relations. *Nature* 187: 922-924. *
 17. Slatyer, R.O. (1960). Climate of the North Kimberley area, W.A. CSIRO Land Research Series 4: 12-19.
 18. Slatyer, R.O. (1960). Agricultural climatology of the Katherine area, N.T. CSIRO Division of Land Research and Regional Survey Technical Paper 13.
 19. Taylor, S.A. and Slatyer, R.O. (1971). Water-soil-plant relations terminology. (*In Transactions of 7th International Congress of Soil Science* Madison, Wisc., USA, 1960, 1: 394-403).
 20. McGlashan, M.L., Slatyer, R.O. and Taylor, S.A. (1961) Terminology in plant-soil-water relations. *Nature* 189: 207-209.
 21. Christian, C.S. and Slatyer, R.O. (1961). Australian Arid Zone Technical Conference. *Nature* 190: 19-20.
 22. Slatyer, R.O. (1961). Australian Arid Zone Technical Conference. *Arid Zone* 12: 15-17.
 23. Slatyer, R.O. (1961). Effects of several osmotic substrates on the water relationships of tomato. *Australian Journal of Biological Sciences*. 14: 519-540. *
 24. Slatyer, R.O. (1962). Methodology of a water balance study conducted on a desert woodland (*Acacia aneura* F. Muell.) community in central Australia. *UNESCO Arid Zone Research* 16: 15-26.
 25. Slatyer, R.O. (1962). Internal water balance of *Acacia aneura* F. Muell. in relation to environmental conditions. *UNESCO Arid Zone Research* 16: 137-146.
 26. Taylor, S.A. and Slatyer, R.O. (1962). Proposals for a unified terminology in studies of plant-soil-water relationships. *UNESCO Arid Zone Research* 16: 339-349.
 27. Slatyer, R.O. (1962). Climate of the Alice Springs area. CSIRO Land Research Series 6: 109-128.
 28. Slatyer, R.O. (1962). Internal water relations of higher plants. *Annual Review Plant Physiology* 13: 351-378.
 29. Slatyer, R.O. (1963). Climatic control of plant water relations (*In* Environmental Control of Plant Growth. L.T. Evans (ed.). Academic Press, New York. pp. 33-54).
 30. Slatyer, R.O. and Denmead, O.T. (1964) Water movement through the soilplant-

- atmosphere system. (In "Water Resources. Use and Management." E.S. Hills (ed.). Melbourne University Press, Melbourne, pp. 276-289.
31. Slatyer, R.O. and Bierhuizen, J.F. (1964). Transpiration from cotton leaves under a range of environmental conditions in relation to internal and external diffusive resistances. *Australian Journal of Biological Sciences* 17: 115-130. *
32. Slatyer, R.O. and Bierhuizen, J.F. (1964). The influence of several transpiration suppressants on transpiration, photosynthesis, and water-use efficiency of cotton leaves. *Australian Journal of Biological Sciences* 17: 131-146.
33. Bierhuizen, J.F. and Slatyer, R.O. (1964). An apparatus for the continuous and simultaneous measurement of photosynthesis and transpiration under controlled environmental conditions. *CSIRO Land Research and Regional Survey Technical Paper* 24.
34. Bierhuizen, J.F. and Slatyer, R.O. (1964). Photosynthesis of cotton leaves under a range of environmental conditions in relation to internal and external diffusive resistances. *Australian Journal of Biological Sciences* 17: 348-359.
35. Slatyer, R.O. and Bierhuizen, J.F. (1964). The effect of several foliar sprays on transpiration and water use efficiency of cotton plants. *Agricultural Meteorology* 1: 42-53.
36. Slatyer, R.O. (1964). Climate of the Buna-Kokoda area. *CSIRO Land Research Series* 10: 45-53.
37. Slatyer, R.O. (1964). Climate of the Leichhardt-Gilbert area. *CSIRO Land Research Series* 11: 90-104.
38. Begg, J.E., Bierhuizen, J.F., Lemon, E.R., Misra, D.K., Slatyer, R.O. and Stern, W.R. (1964). Diurnal energy and water exchanges in bulrush millet in an area of high solar radiation. *Agricultural Meteorology 1*: 294-312.
39. Slatyer, R.O. and Bierhuizen, J.F. (1964). A differential psychrometer for continuous measurements of transpiration. *Plant Physiology* 39: 1051-1056.
40. Slatyer, R.O. and Mabbutt, J.A. (1964). Hydrology of arid and semiarid regions. (In "Handbook of Applied Hydrology." Ven Te Chow (ed.). McGraw-Hill Book Company, New York. pp. 2401-2446).
41. Slatyer, R.O. (1964). Efficiency of water utilization by arid zone vegetation. *CSIRO Annals of Arid Zone* 3: 1-12.
42. Slatyer, R.O. (1965). The physiology of irrigated agricultural plants, by N.S. Petinov: an abstract with commentary. *Field Crop Abstracts* 18: 1-8.
43. Bierhuizen, J.F., Slatyer, R.O. and Rose, C.W. (1965) A porometer for laboratory and field operation. *Journal of Experimental Botany* 16: 182-191.
44. Slatyer, R.O. and Barrs, H.D. (1965). Modifications to the relative turgidity technique with notes on its significance as an index of the internal water status of leaves. *UNESCO Arid Zone Research* 25: 331-342.
45. Barrs, H.D. and Slatyer, R.O. (1965). Experience with three vapour methods for measuring water potential in plants. *UNESCO Arid Zone Research* 25: 369-384.
46. Slatyer, R.O. (1965). Measurements of precipitation interception by an arid zone plant community (*Acacia aneura* F. Muell). *UNESCO Arid Zone Research* 25: 181-192.
47. Bierhuizen, J.F. and Slatyer, R.O. (1965). Effect of atmospheric concentration of water vapour and CO₂ in determining transpiration photosynthesis relationships of cotton leaves. *Agricultural Meteorology* 2: 259-270.
48. Slatyer, R.O. and Gardner, W.R. (1965). Overall aspects of water movement in plants and soils. *Soc. Exp. Biol.* 29: 113-129. *

49. Jarvis, P.G. and Slatyer, R.O. (1966). A controlled-environment chamber for studies of gas exchange by each surface of a leaf. *CSIRO Land Research and Regional Survey Technical Paper 29*.
50. Slatyer, R.O. and Jarvis, P.G. (1966). Gaseous-diffusion porometer for continuous measurement of diffusive resistance of leaves. *Science* 151: 574-576.
51. Jarvis, P.G. and Slatyer, R.O. (1966). Calibration of beta gauges for determining leaf water status. *Science* 153: 78-79.
52. Costin, A.B. and Slatyer, R.O. (1966). Forest hydrology research in Australia. (*In* "Forest Hydrology" Proc. National Science Foundation Advanced Science Seminar, Pennsylvania State University, Pennsylvania, 1965. W.E. Sopper and H.W. Lull (eds.). Pergamon Press, New York, pp. 11-15)
53. Slatyer, R.O. (1966). An underlying cause of measurement discrepancies in determinations of osmotic characteristics in plant cells and tissues. *Protoplasma* 6~2: 34-43.
54. Slatyer, R.O. (1966). Some physical aspects of internal control of leaf transpiration. *Agricultural Meteorology* 3: 281-292. *
55. Slatyer, R.O. (1966). *In situ* measurements of stomatal resistance. *Journal Soc. Instr. Technol.* 23: 5-6.
56. Slatyer, R.O. and Lake, J.V. (1966). Resistance to water transport in plants - Whose misconception? *Nature* 212: 1585 -1 58G .
57. Slatyer, R.O. and Shmueli, E. (1967). Measurements of internal water status and transpiration. (*In* "Irrigation of Agricultural Lands". R.M. Hagan, H.R. Haise and T.W. Edminster (eds.). American Society of Agronomy, Madison, Wisconsin, pp. 337-353).
58. Corey, A.T., Slatyer, R.O. and Kemper, W.D. (1967). Comparative terminologies for water in the soil-plant-atmosphere system. (*In* "Irrigation of Agricultural Lands". R.M. Hagan, H.R. Haise and T.W. Edminster (eds.) . American Society of Agronomy, Madison, Wisconsin, pp. 427-445).
59. Slatyer, R.O. (1967). Terminology for cell and tissue water relations. *Zeitschrift Fur Pflanzenphysiologie* 56: 91-94.
60. Slatyer, R.O. (1967). Terminology for cell and tissue water relations. *Zeitschrift Fur Pflanzenphysiologie* 56: 469-470.
61. Fitzpatrick, E .A., Slatyer, R.O . and Krishnan, A. I . (1967). Incidence and duration of periods of plant growth in central Australia as estimated from climatic data. *Agricultural Meteorology* 4: 389-404.
62. Slatyer, R.O. (1968). Measurement of the Primary Production of arid zone plant communities. Methods for the measurement of Primary Production of Grassland. *In IBP Handbook 6* C. Milner and R.E. Hughes (eds.). Blackwell Scientific Publications, London, pp. 53-61.
63. Slatyer, R.O. (1968). Future trends in agroclimatology. *UNESCO Natural Resources Research* 7: 367-369.
64. Slatyer, R.O. (1968). The use of soil water balance/relationships in agroclimatology. *UNESCO Natural Resources Research* 7: 73-87.
65. Troughton, J.H. and Slatyer, R.O. (1969). Plant water status, leaf temperature, and the calculated mesophyll resistance to carbon dioxide of cotton leaves. *Australian Journal of Biological Sciences* 22: 815-827. *
66. Slatyer, R.O. (1969). Physiological significance of internal water relations to

- crop yield. (*In* "Physiological Aspects of Crop Yield". J.D. Eastin, F.A. Haskins, C.Y. Sullivan and C.H.M. van Bavel (eds.). American Society of Agronomy, Crop Science Society of America, Madison, Wisconsin, pp. 53-88).
67. Slatyer, R.O. (1969). Man's use of the environment - The need for ecological guidelines. *Australian Journal of Science* 32: 146-153. *
68. Slatyer, R.O. (1970). Man's use in nature. (*In* "Man and the New Biology." The University Lectures 1969, R.O. Slatyer (ed.). Australian National University Press, Canberra, pp. 1-21).
69. Byrne, G.F., Rose, C.W. and Slatyer, R.O. (1970). An aspirated diffusion porometer. *Agricultural Meteorology* 7: 39-44.
70. Slatyer, R.O. (1970). Water and energy - Cornerstones of productivity. *Journal of Australian Institute of Agricultural Science* 36: 2-8. *
71. Slatyer, R.O. (1970). Human Ecology - What does it mean? *Australian Natural History* 16: 391-395.
72. Slatyer, R.O. (1970). Carbon dioxide and water vapour exchange in *Atriplex* leaves. (*In* "The Biology of *Atriplex*." R. Jones (ed.). CSIRO Division of Plant Industry, Canberra. pp. 23-29).
73. Lake, J.V. and Slatyer, R.O. (1970). Respiration of leaves during photosynthesis. III. Respiration rate and mesophyll resistance in turgid cotton leaves, with stomatal control eliminated. *Australian Journal of Biological Sciences* 23: 529-535.
74. Slatyer, R.O. (1970). Ecological guidelines for resource management. *The Proceedings of the Ecological Society of Australia* 5: 1-11.
75. Slatyer, R.O. (1970). Organising for research. (*In* "Arid Lands in Transition." H. Dregne (ed.). American Assoc. for Advancement of Science, Washington, pp. 383-397).
76. Slatyer, R.O. (1970). Comparative photosynthesis, growth and transpiration of two species of *Atriplex*. *Planta* 93: 175-189. *
77. Jarvis, P.G. and Slatyer, R.O. (1970). The role of the mesophyll cell wall in leaf transpiration. *Planta* 90: 303-322. *
78. Slatyer, R.O. (1970). Plant responses to climatic factors. *Nature and Resources* 6: 11-15.
79. Downton, Joy and Slatyer, R.O. (1971). Variation in levels of some leaf enzymes. *Planta* 96: 1-12.
80. Duniway, J.M. and Slatyer, R.O. (1971). Gas exchange studies on the transpiration and photosynthesis of tomato leaves affected by *Fusarium oxysporum* f. sp. *lycopersici*. *Phytopathology* 61: 1377-1381.
81. Slatyer, R.O. (1971). Relationship between plant growth and leaf photosynthesis in C3 and C4 species of *Atriplex*. (*In* "Photosynthesis and Photorespiration." M.D. Hatch, C.B. Osmond and R.O. Slatyer (eds.). Wiley Interscience, New York, pp. 76-81).
82. Morrow, P.A. and Slatyer, R.O. (1971). Leaf temperature effects on measurements of diffusive resistance to water vapour transfer. *Plant Physiology* 47: 559-561.
83. Morrow, P.A. and Slatyer, R.O. (1971). Leaf resistance measurements with diffusion porometers: Precautions in calibration and use. *Agricultural Meteorology* 8: 223-233.
84. Slatyer, R.O. (1971). Effects of errors in measuring leaf temperature and ambient gas concentration on calculated resistances to CO₂ and water

- vapor exchanges in plant leaves. *Plant Physiology* 47: 269-274. *
85. Slatyer, R.O. and Tolbert, N.E. (1971). Photosynthesis and photorespiration. *Science* 173: 1162-1167.
86. Jones, H.G. and Slatyer, R.O. (1972). Effects of intercellular resistances on estimates of the intracellular resistance to CO₂ uptake by plant leaves. *Australian Journal of Biological Sciences* 25: 443-453.
87. Slatyer, R.O. (1972). Environmental problems arising from human use of energy. (In *Science and Industry Forum, Sources of Energy in Australia*. Report No. 4. Australian Academy of Science, Canberra, pp. 27-35).
88. Jones, H.G. and Slatyer, R.O. (1972). Estimation of the transport and carboxylation components of the intracellular limitation to leaf photosynthesis. *Plant Physiology* 50: 283-288.
89. Downton, Joy and Slatyer, R.O. (1972). Temperature dependence of photosynthesis in cotton. *Plant Physiology* 50: 518-522.
90. Slatyer, R.O. (1973). Energy flows in the biosphere - The impact of man. *Proceedings of the Linnean Society of New South Wales* 97: 225-236. *
91. Slatyer, R.O. (1973). Effects of water stress on plant morphogenesis. (In *Proceedings of U.S./Australia Range Science Workshop, Berkeley, California, March 1971*. Paper No. 1. U.S. Dept. of Agric., Misc. Publ. 1271: 3-13).
92. Slatyer, R.O. (1973). The effect of internal water status on plant growth, development and yield. *UNESCO Ecology and Conservation* 5: 177-191.
93. Slatyer, R.O. (1973). Effects of short periods of water stress on leaf photosynthesis. *UNESCO Ecology and Conservation* 5: 271-276.
94. McPherson, H.G. and Slatyer, R.O. (1973). Mechanism regulating photosynthesis in *Pennisetum typhoides*. *Australian Journal of Biology Series* 26: 329-339.
95. Kramer, P.J., Slatyer, R.O. and Hellmers, H. (1973). Phytotrons and environmental physiology. *Nature and Resources* 8: 13-16.
96. Slatyer, R.O. (1974). Structure and function of Australian arid shrublands. (In "Arid Shrublands." *Proceedings of the Third Workshop of the United States/Australia Rangelands Panel, Tucson, Arizona, 1973*, pp. 66-73).
97. Allaway, W.G., Austin, B. and Slatyer, R.O. (1974). Carbon dioxide and water vapour exchange parameters of photosynthesis in a Crassulacean plant *Kalanchoe daigremontiana*. *Australian Journal of Plant Physiology* 1: 397-405.
98. Slatyer, R.O. (1975). Ecological reserves: Size, structure and management. (In "A National System of Ecological Reserves in Australia." F. Fenner (ed.). *Australian Academy of Science Canberra, Report 19*: 22-38). *
99. Collatz, J., Ferrar, P.J. and Slatyer, R.O. (1976). Effects of water stress and differential hardening treatments on photosynthetic characteristics of a xeromorphic shrub, *Eucalyptus socialis*, F. Muell. *Oecologia* 23: 95-105.
100. Slatyer, R.O. (1976). Water deficits in timberline trees in the Snowy Mountains of South-Eastern Australia. *Oecologia* 24: 357-366. *
101. Purdie, R.W. and Slatyer, R.O. (1976). Vegetation succession after fire in sclerophyll woodland communities in south-eastern Australia. *Australian Journal of Ecology*. 1: 223-236. *
102. Slatyer, R.O. (1977). Dynamic changes in terrestrial ecosystems: patterns of change, techniques for study and applications to management. UNESCO, MAB Technical Notes 4. *
103. Slatyer, R.O. and Morrow, P.A. (1977). .Altitudinal variation in the

- photosynthetic characteristics of Snow Gum, *Eucalyptus pauciflora* Sieb. ex Spreng. I. Seasonal changes under field conditions in the Snowy Mountains area of South-Eastern Australia. *Australian Journal of Botany*. 25: 1-20. *
104. Slatyer, R. O. and Ferrar, P.J. (1977). Altitudinal variation in the photosynthetic characteristics of Snow Gum, *Eucalyptus pauciflora* Sieb. ex Spreng. II. Effects of growth temperature under controlled conditions. *Australian Journal of Plant Physiology*. 4: 289-299 .
105. Slatyer, R.O. (1977). Altitudinal variation in the photosynthetic characteristics of Snow Gum, *Eucalyptus pauciflora* Sieb. ex Spreng. III. Temperature response of material grown in contrasting thermal environments. *Australian Journal of Plant Physiology*. 4: 301-312.
106. Slatyer, R.O. (1977). Altitudinal variation in the photosynthetic characteristics of Snow Gum, *Eucalyptus pauciflora* Sieb. ex Spreng. IV. Temperature response of four populations grown at different temperatures. *Australian Journal of Plant Physiology* 4: 583-594.
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109. Slatyer, R.O. (1978). Altitudinal variation in the photosynthetic characteristics of Snow Gum, *Eucalyptus pauciflora* Sieb. ex Spreng. VII. Relationship between gradients of field temperature and photosynthetic temperature optima in the Snowy Mountains area. *Australian Journal of Botany* 126 - 121. *
110. Noble, I.R. and Slatyer, R.O. (1977). Post-fire succession of plants in Mediterranean ecosystems. Proc. Symposium on Environmental Consequences of Fire and Fuel Management in Mediterranean Ecosystems, Palo Alto. USDA Forest Service General Technical Report WO-3, pp. 27-36.
111. Connell, J.H. and Slatyer, R.O. (1977). Mechanisms of succession in natural communities and their role in community stability and organization. *The American Naturalist* 111: 1119-1144. *
112. Slatyer, R.O. and Ferrar, P.J. (1978). Photosynthetic characteristics of treeline populations of the Australian Snow Gum, *Eucalyptus pauciflora*. *Photosynthetica* 12(2): 137-144.
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115. Noble, I.R. and Slatyer, R.O. (1979). The effect of disturbance on plant succession. *Proceedings of Ecological Society Australia* 10: 135-145.
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117. Noble, I.R. and Slatyer, R.O. (1980). The use of vital attributes to predict successional changes in plant communities subject to recurrent disturbances. *Vegetatio* 43: 5-21. *
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122. Slatyer, R.O. (1983). UNESCO - the setting. *UNESCO Review* 7: 2-4.
123. Slatyer, R.O. (1983). Conservation of Australia's biological resources. *Australian Journal of Ecology* 8: 1-2.
124. Slatyer, R.O. (1983). South-west Tasmania: World Heritage Site. *Wildlife* 25: 137-138.
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126. Slatyer, R.O. (1983). Resources and Responsibility: Fostering Technological Innovation in Australia. *Search* 14: 192-196.
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129. Slatyer, R.O. (1984). The World Heritage Convention. *Monumentum* Special Issue, 3-16
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131. Slatyer, R.O. (1986). The balance of the national research effort. *Proceedings OECD Conference on Policies and Directions for Science and Research*, 202-212.
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