

RHODODENDRON PUBLICATIONS OF

JOHN L. ROUSE

The following list includes c. 80 articles sole- or coauthored by John Rouse. The articles are based primarily on research involving species of *Rhododendron* sect. *Vireya*, which was the central focus of John's botanical investigations. [His later studies included observations on the phyllotaxis of *Helianthus* (Asteraceae) and *Lilium* (Liliaceae).] All the items, covering fields as diverse as pollination, pollen tube growth, ovule fertilisation, grafting, potting mixes, seed longevity and raising, and first flowerings of species, are of interest, in particular to those cultivating *Vireyas* and working towards development of novel cultivars through hybridisation. The 30 or more articles dealing with reproductive biology are of scientific value beyond horticulture.

John made his professional career in the discipline of Physics. Given that his *Rhododendron* research was effectively a sideline, although he did initiate a research unit named "Botanical Physics" in the School of Physics at the University of Melbourne, the following publication list would make many a professional botanist envious. The collaborations with R. Bruce Knox and Elizabeth G. Williams of the Plant Cell Biology Research Centre at the University of Melbourne were extremely productive. Barbara F. Palser was an equally active member of this research team during her time as a visiting scientist to the Melbourne centre.

He was a contributor to the *Rhododendron* Species Foundation-sponsored newsletter, *Vireya Vine*. His letters to VV generally have not been included in the list of publications, the exceptions being two reporting on wide crosses.

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- 1974 **ROUSE, J.L.** - *Rhododendron intranervatum*.
Quart. Bull. Amer. Rhododendron Soc. 28: 238, 251.
- 1978 SMITH, J.C., WITHERS, R. and **ROUSE, J.** - The rating of Rhododendrons.
Rhododendron: 17 (2): 2-8, 17 (3): 6.
- 1978 **ROUSE, J.L.** - Notes on growing media for *Rhododendron*.
Rhododendron 17 (4):2-7.
- 1979 **ROUSE, J.L.** - Notes on growing media for Rhododendron, Part Two.
Rhododendron 18 (1): 8-11.
- 1979 **ROUSE, J.L.** - Notes on growing media for Rhododendron, Part Three.
Rhododendron 18 (2): 5-6.
- 1980 **ROUSE, J.** - *Rhododendron commonae*.
Rhododendron 19 (2): 9-10.
- 1980 **ROUSE, J.** - *Rhododendron loranthiflorum*.
Rhododendron 19 (2): 9-10.
- 1980 **ROUSE, J.** - *Rhododendron stenophyllum*.
Rhododendron 19 (2): 11-12.
- 1980 **ROUSE, J.** - *Rhododendron orbiculatum*.
Rhododendron 19 (2): 11-12.
- 1981 **ROUSE, J.** - The second Baron von Mueller Memorial Lecture of the Australian Rhododendron Society, 18 October 1980: Beauty and knowledge.
Rhododendron 20 (1): 2-26.
- 1981 **ROUSE, J.L.** - *Rhododendron suaveolens*.
Rhododendron 20 (4): 3.
- 1981 WILLIAMS, E.G., KNOX, R.B. and **ROUSE, J.L.** - Studies on interspecific incompatibility in *Rhododendron* (*Ericaceae*).
Australasian Pl. Breeding & Pl. Genetics Newsl. 31: 27-29.
- 1982 **ROUSE, J.L.** - My Ledum has a mate.
Rhododendron 22 (2): 2-4.
- 1982 WILLIAMS, E.G., KNOX, R.B. and **ROUSE, J.L.** - Pollination sub-systems distinguished by pollen tube arrest after incompatible interspecific crosses in *Rhododendron* (*Ericaceae*).
J. Cell. Sci. 53: 257-277.
- 1983 WILLIAMS, E.G. KNOX, R.B. and **ROUSE, J.L.** - Pollination studies in *Rhododendron*.
Austral. Hort. Res. Newsl. 55: 34-35.
- 1983 WILLIAMS, E.G., KNOX, R.B. and **ROUSE, J.L.** - Pollen-pistil interactions and control of pollination.
Phytomorphology 31: 148-157.
- (as1981)
- 1984 **ROUSE, J.L.** - Notes on growing media for Rhododendrons.
J. Amer. Rhododendron Soc. 38: 126-132.

- 1984 **ROUSE, J.L.** - *Rhododendron quadrasianum* var. *rosmarinifolium*.
Rhododendron 23 (1): 4-8.
- 1984 WILLIAMS, E.G., KNOX, R.B., KAUL, V. and **ROUSE, J.L.** - Post-pollination callose development in ovules of *Rhododendron* and *Ledum* (*Ericaceae*): Zygote special wall.
J. Cell. Sci. 69: 127-135.
- 1984 **ROUSE, J.L.** - Pollen storage and *Rhododendron* breeding.
Pollination '84. Proc. Symp. Pl. Cell Biol. Res. Centre, Sch. Botany, Univ. Melbourne. 185-186.
- 1984 KAUL, V. **ROUSE, J.L.**, KNOX, R.B. and WILLIAMS, E.G. - Early post-fertilization development in *Rhododendron*.
Pollination '84. Proc. Symp. Pl. Cell Biol. Res. Centre, Sch. Botany, Univ. Melbourne. 208-209.
- 1984 **ROUSE, J.L.**, KNOX, R.B. and WILLIAMS, E.G. - Unilateral hybridization in *Rhododendron*.
Pollination '84. Proc. Symp. Pl. Cell Biol. Res. Centre, Sch. Botany, Univ. Melbourne. 217-220.
- 1984 WILLIAMS, E.G., KAUL, V., **ROUSE, J.L.** and KNOX, R.B. - Apparent self-incompatibility in *Rhododendron ellipticum*, *R. championae* and *R. amamiense*: A post-zygotic mechanism.
Pl. Cell Incompatibility Newsl. 16: 10-11.
- 1985 WILLIAMS, E.G., **ROUSE, J.L.** and KNOX, R.B. - Barriers to sexual compatibility in *Rhododendron*.
Notes RBG Edinb. 43: 81-98.
- 1985 **ROUSE, J.L.** - [The propagation of *Rhododendron* section *Vireya* from seed.](#)
Notes RBG Edinb. 43: 99-115.
- 1985 **ROUSE, J.L.** - Graft compatibility with section *Vireya* and between this section and section *Rhododendron*.
Rhododendron 24: 43-46.
- 1985 **ROUSE, J.L.** and WILLIAMS, E.G. - *Vireya* *Rhododendrons*: Tropical colour in Australian gardens.
Austral. Hort. 83(9): 96-99, 102.
- 1986 KAUL, V., **ROUSE, J.L.** and WILLIAMS, E.G. - Early events in the embryo sac after intraspecific and interspecific pollinations in *Rhododendron kawakamii* and *R. retusum*.
Can. J. Bot. 64: 282-291.
- 1986 WILLIAMS, E.G., KAUL, V., **ROUSE, J.L.** and PALSER, B.F. - Overgrowth of pollen tubes in embryo sacs of *Rhododendron* following interspecific pollinations.
Austral. J. Bot. 34: 413-423.
- 1986 **ROUSE, J.L.** and WILLIAMS, E.G. - Storage life of *Vireya* *Rhododendron* seed as affected by temperature and relative humidity.
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- 1986 WILLIAMS, E.G. and **ROUSE, J.L.** - In search of a 'Winner': Hybridizing Vireya Rhododendrons.
Austral. Hort. 84(5) 88-92.
- 1986 **ROUSE, J.L.**, WILLIAMS, E.G. and KNOX, R.B. - Floral features related to pollination ecology in *Rhododendron*.
Pollination '86. Proc. Symp. Pl. Cell Biol. Res. Centre, Sch. Botany, Univ. Melbourne. 65-69.
- 1986 WILLIAMS, E.G. and **ROUSE, J.L.** - Tropical Rhododendrons we can all grow.
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- 1986 WILLIAMS, E.G. and **ROUSE, J.L.** - Vireya rhododendron hybrids: An adventure in variety.
Rhododendron Yearbook 1986/87, 45-56, figs 4-15. (Roy. Hort. Soc.: London)
- 1986 PALSER, B.F., **ROUSE, J.L.** and WILLIAMS, E.G. - An SEM study of the pollen tube pathway in *Rhododendron L.*
Abstract, Am. J. Bot. 73: 638. [Abstract of presentation at the Annual Conference of the Botanical Society of America, August 1986].
- 1986 PALSER, B.F., WILLIAMS, E.G. and **ROUSE, J.L.** - Correlation of stages in megagametophyte development with days after pollination in *Rhododendron nuttallii*.
Abstract, Am. J. Bot. 73: 639. [Abstract of presentation at the Annual Conference of the Botanical Society of America, August 1986].
- 1986 **ROUSE, J.L.** - Raising Vireyas from seed.
Rhododendron 26: 8-16.
- 1987 **ROUSE, J.** - [Newsletter report upon flowering the hybrid *R. retusum* X *R. nudiflorum*.]
Vireya Vine 14: sine pag.
- 1987 **ROUSE, J.L.**, WILLIAMS, E.G. and KNOX, R.B. - Floral features related to pollination ecology in *Rhododendron*.
Rhododendron 27: 4-6.
- 1987 **ROUSE, J.L.** - My Ledum has a mate.
Rosebay 16 (2): 15. [Reprinted from *Rhododendron* 22 (1982)].
- 1988 **ROUSE, J.L.**, WILLIAMS, E.G. and KNOX, R.B. - A Vireya Azaleodendron in flower.
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- 1988 **ROUSE, J.L.**, WILLIAMS, E.G. and KNOX, R.B. - The flowering of a Vireya X Azalea hybrid.
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- 1988 WITHERS, R.M. and **ROUSE, J.L.** - *Rhododendron hellwigii* in flower.
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- 1988 **ROUSE, J.L.**, WITHERS, R.M. and SNELL, G.L. - *Rhododendron ericoides*.
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- 1988 WILLIAMS, E.G. and **ROUSE, J.L.** - Disparate style lengths contribute to isolation of species in *Rhododendron*.
Austral. J. Bot. 36: 183-191.
- 1989 PALSER, B.F., **ROUSE, J.L.** and WILLIAMS, E.G. - Coordinated timetables for megagametophyte development and pollen tube growth in *Rhododendron nuttallii* from anthesis to early postfertilization.
Amer. J. Bot. 76: 1167-1202.
- 1989 CRAVEN, L.A. and **ROUSE, J.L.** - *Rhododendron leucogigas* 'Hunstein's Secret'.
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- 1989 **ROUSE, J.L.** and WILLIAMS, E.G. - Style lengths influence sexual compatibility in *Rhododendron*.
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- 1989 **ROUSE, J.L.** and WILLIAMS, E.G. - Style length and hybridization in *Rhododendron*.
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- 1989 **ROUSE, J.L.** - [Newsletter report upon successfully hybridising *R. viriosum* (as *R. lochiaie*) with *R. virgatum*.]
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- 1989 WILLIAMS, E.G. and **ROUSE, J.L.** - Interspecific incompatibility associated with disparate flower size in *Rhododendron*.
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- 1989 **ROUSE, J.L.** - *R. leucogigas* 'Hunstein's Secret'.
Rhododendron 29: 13.
- 1990 PALSER, B.F., **ROUSE, J.L.** and WILLIAMS E.G. - Aberrant ovules and megagametophytes in *Rhododendron nuttallii* (*Ericaceae*).
Bot. Gaz. 151: 73-87.
- 1990 WILLIAMS, E.G. and **ROUSE, J.L.** - Relationships of pollen size, pistil length and pollen tube growth rates in *Rhododendron* and their influence on hybridization.
Sex. Pl. Reprod. 3: 7-17.
- 1990 **ROUSE, J.L.** - *Rhododendron vaccinioides*.
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- 1990 **ROUSE, J.L.** - Notes on a selection of *Rhododendrons* which have flowered during the past year.
Vireya Venture 1: 3-5.
- 1990 WILLIAMS, E.G., **ROUSE, J.L.**, PALSER, B.E. and KNOX, R.B. - Reproductive biology of *Rhododendron*.
Hort. Rev. 12: 1-67.
- 1991 **ROUSE, J.L.**, WILLIAMS, E.G. and KNOX, R.B. - The flowering of *Rhododendron* 'Arthur's Choice' X *R. ovatum*: A *Vireya* X evergreen azalea hybrid.

- J. Amer. Rhododendron Soc.* 45: 218-226.
- 1991 **ROUSE, J.L.** and BLUMHARDT, O. - 'Little Pioneer': A *Vireya* *Rhododendron* hybrid.
J. Amer. Rhododendron Soc. 45: 6-12.
- 1991 WILLIAMS, E.G., **ROUSE, J.L.**, KAUL, V. and KNOX, R.B. - Reproductive timetable for the tropical *Vireya* *Rhododendron*, *R. macgregoriae*.
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- 1991 **ROUSE, J.L.**, WILLIAMS, E.G. and KNOX, R.B. - The *Rhododendron* hybrid *R. kawakamii* var. *flaviflorum* X *R. santapau* in flower.
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- 1991 **ROUSE, J.L.** - Ten years on: A correction and change.
Rhododendron 31: 42-44.
- 1991 WILLIAMS, E. and **ROUSE, J.** - In search of a "Winner": Hybridising *Vireya* *Rhododendrons*.
Epiphyllon 3 (2): 80-83.
- 1992 PALSER, B.F., **ROUSE, J.L.** and WILLIAMS, E.G. - A scanning electron microscope study of the pollen tube pathway in pistils of *Rhododendron*.
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- 1992 PALSER, B.F., **ROUSE, J.L.** and WILLIAMS, E.G. - Techniques for clearing ovules for studies of megagametophyte and early postfertilization development in *Rhododendron*.
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- 1992 **ROUSE, J.L.** and WILLIAMS, E.G. - *Rhododendron commonae* and two of its hybrids.
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Thylacinus 17: 8-13.
- 1993 **ROUSE, J.L.**, KNOX, R.B. and WILLIAMS, E.G. - Inter- and intraspecific pollinations involving *Rhododendron* species.
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- 1993 **ROUSE, J.L.** - " with an elegant beauty."
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- 1993 **ROUSE, J.L.** - Floral features of *Rhododendron williamsii*.
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- 1994 **ROUSE, J.L.** and WILLIAMS, E.G. - Barriers to grafting section *Vireya* scions on elepidote *Rhododendron* stock.
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- 1995 **ROUSE, J.L.** and BURSILL, L.A. - *Rhododendron wrayi* and its foliar and floral symmetries.
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- 1995 **ROUSE, J.L.** and CRAVEN, L.A. - Current *Rhododendron* taxonomy.
Rhododendron 35:25-27, 26A.
- 1997 **ROUSE, J.L.** and WILLIAMS, E.G. - Sexual and graft compatibilities within section *Vireya* and between this section and other lepidote *Rhododendrons*.
Proc. 1994 Pacific Reg. Int. Rhododendron Conf., Burnie, Tasmania. 27-51.
(Austral. Rhododendron Soc.: Burnie)
- 1997 WILLIAMS, E.G. and **ROUSE, J.L.** - Evolutionary history and speciation in section *Vireya*.
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(Austral. Rhododendron Soc.: Burnie)
- 1998 BURSILL, L.A. and **ROUSE, J.L.** - Investigation of phyllotaxis of *Rhododendron*.
In, *Symmetry in Plants*, Eds. Jean, R.V. and Barabe, D. (World Scientific Publishing: Singapore; River Edge, NJ)
- 1999 **ROUSE, J.L.** and BURSILL, L.A. - *Rhododendron loranthiflorum* 'Sri Chinmoy'.
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KAUL, V., **ROUSE, J.L.**, KNOX, R.B. and WILLIAMS, E.G. - Early post-fertilization development in *Rhododendron*.