

CONTENTS

INTRODUCTION	5
TAXONOMIC HISTORY	7
Generic concept and historical infrageneric classifications	7
<i>Aralia</i> from the New World	8
<i>Aralia</i> from the Old World	9
PHYLOGENETIC RELATIONSHIPS	10
MORPHOLOGICAL CHARACTERS	13
Habit	13
Underground systems	13
Prickles	13
Leaf architecture and morphology	13
Trichomes and vesture	13
Cuticles	13
Pedicel articulation	14
Inflorescence	15
Bracts and bracteoles	22
Flowers	22
Fruits	22
POLLEN MORPHOLOGY	22
CHROMOSOME NUMBERS	26
INFRAGENERIC CLASSIFICATION	28
I. <i>Aralia</i> sect. <i>Aralia</i>	28
II. <i>Aralia</i> sect. <i>Humiles</i>	28
III. <i>Aralia</i> sect. <i>Nanae</i>	28
IV. <i>Aralia</i> sect. <i>Pentapanax</i>	29
V. <i>Aralia</i> sect. <i>Sciadodendron</i>	29
VI. <i>Aralia</i> sect. <i>Dimorphanthus</i>	30
KEY TO SECTIONS OF <i>ARALIA</i>	31
REPRODUCTIVE BIOLOGY	31
SPECIES CONCEPTS	32
DISTRIBUTION AND BIOGEOGRAPHY	32
Early evolutionary radiation in <i>Aralia</i>	32
<i>Aralia</i> sect. <i>Aralia</i>	33
<i>Aralia</i> sect. <i>Humiles</i>	33
<i>Aralia</i> sect. <i>Sciadodendron</i>	33
TAXONOMY	34
<i>ARALIA</i> L. SECT. <i>ARALIA</i>	34
Key to species of <i>Aralia</i> sect. <i>Aralia</i>	35
1. <i>Aralia californica</i>	36
2. <i>Aralia racemosa</i>	42

3. <i>Aralia bicrenata</i>	68
4. <i>Aralia cordata</i>	73
5. <i>Aralia schmidtii</i>	77
6. <i>Aralia taiwaniana</i>	80
7. <i>Aralia continentalis</i>	83
8. <i>Aralia cachemirica</i>	87
9. <i>Aralia tibetana</i>	90
10. <i>Aralia fargesii</i>	94
11. <i>Aralia atropurpurea</i>	96
12. <i>Aralia apiooides</i>	100
13. <i>Aralia glabra</i>	103
14. <i>Aralia henryi</i>	106
ARALIA SECT. NANAE	109
15. <i>Aralia nudicaulis</i>	109
ARALIA SECT. HUMILES	118
Key to species of <i>Aralia</i> sect. <i>Humiles</i>	118
16. <i>Aralia humilis</i>	118
17. <i>Aralia regeliana</i>	127
18. <i>Aralia scopulorum</i>	131
ARALIA SECT. SCIADODENDRON	133
Key to species of <i>Aralia</i> sect. <i>Sciadodendron</i>	134
19. <i>Aralia soratensis</i>	134
20. <i>Aralia warmingiana</i>	138
21. <i>Aralia rex</i>	142
22. <i>Aralia excelsa</i>	142
23. <i>Aralia bahiana</i>	149
EXCLUDED NAMES	151
ACKNOWLEDGEMENTS	151
LITERATURE CITED	152
ALPHABETICAL INDEX TO COLLECTORS	158
INDEX TO SCIENTIFIC NAMES	170
COLOR PLATES 1-16	49