

April 24, 1964

Trees, shrubs, woody vines and cacti of
California From Murray and Keck

Family	No of shrub & tree species in genus	Form	Armed, un- armed	Page
No. Genus	Species	Tree Shrub Vine Herb Cactus		Murray Jepsen Melis
<u>Pinaceae</u>				
1 Abies	5	Trees	armed	49
2 Pinus	20	"	—	50
3 Picea	3	"	—	55
4 Tsuga	2	"	—	56
5 Pseudotsuga	2	"	—	56
<u>Taxodiaceae</u>				
6 Sequoia sempervirens	1	"	—	57
7 Sequoia gigantea	1	"	—	58
8 Sequoiadendron	1	"	—	58
<u>Cupressaceae</u>				
9 Libocedrus	1	"	—	59
9 Thuja	1	"	—	59
10 Cupressus	1	"	—	60
11 Chamaecyparis	1	"	—	62
12 Juniperus	4	Trees Shrubs	—	63
<u>Taxaceae</u>				
13 Taxus	1	Trees	—	64
14 Torreya	1	"	Armed	65

Total No genera 229

6th Total No Species 938 approx

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" " " " 1 per genus 115

					Page
<u>Ephedraceae</u>					
15	Ephedra	7	Shrubs	—	66
<u>Calycanthaceae</u>					
16	Calycanthus	1	"	Armed	77
<u>Lauraceae</u>					
17	Umbellularia	1	Tree shrub	Armed	77
<u>Ranunculaceae</u>					
18	Clematis	3	Vine climber	—	103
<u>Berberidaceae</u>					
19	Berberis	13	Shrubs	Armed Unarmed	108
<u>Sterculiaceae</u>					
20	Freemantia	✓ 2	Shrubs Trees	—	114
<u>Malvaceae</u>					
21	Horsfordia	1	shrub	—	118
22	Malacothymus	18 species plus 3 var. or subspecies	"	—	122
	Sphaeralcea sep				
	Malvastrum sep				
23	Lavatera	2	"	—	127
24	Pelargonium	4	"	—	145
<u>Polygalaceae</u>					
25	Polygala	2-15	"	Armed	156
		(1-2)			
				number of varieties	

✓

Zygophyllaceae

✓ 26 Larrea 1 Shrub ^{Order} unarmed 158

Euphorbiaceae

✓ 27 Tetraoecus 3 Shrubs ^{armed} unarmed 160

Securiniaga Jap

✓ 28 Croton wigginsii 1 Shrub — 161

✓ 29 Bergeria incana 1 " — 163

✓ 30 Acalypha californica 1 " — 164

✓ 31 Ricinus communis 1 " — 164

✓ 32 Euphorbia misera 1 #11 " — 166

Citaceae

✓ 33 Cistus villosus 1 " — 174
var cisticus

Tamaricaceae

✓ 34 Tamarix 4 Shrubs Trees — 174

Fouquieriaceae

✓ 35 Fouquieria splendens 1 Shrub ^{Lvs pres} armed absent 175

Frankeniaceae

✓ 36 Frankenia Palmeri 1 " ^{salt} marsh — 176

Loasaceae

✓ 37 Petalonyx 2 #2,3 " — 178

✓ 38 Eucnide uens 1 " armed 182

Papaveraceae

✓ 39 Dendromecon 2 " — 195

Cappariaceae

40 *Isomeris arborea* 1 shrubs odor 206

Cactaceae

41 *Opuntia* 19 Cactus armed 310

42 *Cereus* 2 " " 316

43 *Echinocereus* 3 " " 316

44 *Echinocactus* 5 " " 317

45 *Mammillaria* 6-12 " " 318 659
 35 var.

Polygonaceae

46 *Eriogonum* 10 ^{7, 2, 73, 74, 56, 61, 75, 53, 59, 62} Shrubs — 332 302

Chenopodiaceae

47 *Atriplex* 10 " armed/unarmed 373 322

48 *Gnypia spirosa* 1 " unarmed/armed 380 329

49 *Eriogonum* 1 " — 380 330

50 *Allenrolfea occidentalis* 1 " — 382 330

51 *Sarcobatus vermiculatus* " armed 382 332

Boraginaceae

52 *Batis maritima* 1 " soft 397 341

Styracaceae

53 *Styrax officinalis* 1-1 var. " — 397 757

var *fulvescens* — 759

Ericaceae

54 *Ledum* 1-1 var. " — 412 790

Ericaceae cont'd

55. <i>Rhododendron</i>	2	Shrubs	—	412	740
56. <i>Menziesia leucogonum</i>	1	"	—	413	741
57. <i>Kalmia polidolia</i> var. <i>microphylla</i>	1	"	—	413	742
58. <i>Phyllocladus</i>	2	"	—	414	742
59. <i>Cassiope mertensiana</i>	1	"	—	414	743
60. <i>Leucoboea davisi</i>	1	"	—	414	"
61. <i>Gaultheria striklandii</i>	1	"	—	415	"
62. <i>Arbutus menziesii</i>	1	Tree Shrub	—	415	744
63. <i>Comarostaphylis diversifolia</i> var. <i>planifolia</i>	1-1	Shrubs	—	416	"
64. <i>Xylococcus bicolor</i>	1	"	—	416	"
(65) <i>Arctostaphylos</i>	43-4	Tree shrub shrub	—	416	745
66. <i>Vaccinium</i>	9	1 vine	—	430	751

All species
 var. and subspecies

Empetraceae

67. <i>Empetrum nigrum</i>	1	Shrub Mat	—	432	752
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Oleaceae

68. <i>Fraxinus</i>	4	Tree shrubs	—	447	757
69. <i>Forsteria mexicana</i>	1	Shrub	armed	448	760
70. <i>Mandevilla speciosa</i>	1	"	"	448	"

Asclepiadaceae

71. <i>Sarcostemma</i>	2	Vines	—	453	771
72. <i>Asclepias albicans</i>	1	Shrub	—	456	773

Polemoniaceae

73 Leptodactylon 3-2 shrub armed?

505 806

Hydrophyllaceae

74 Eriodictyon 7-1 shrub aromatic

547

834



Solanaceae

75 Lycium 11 shrub armed

590 889

76 Solanum 6-1? climber

596 891

Duncanii

ovoides

umbelliferum

Wallacei

var. dakeyi

Xanthii

Marginalium

77 Medema glauca 1 shrub

601 888

Scrophulariaceae

78 Mimulus 7-2 71, 72, 73, 74 75, 76, 77

605 920

79 Pentstemon 10-1 { 52-58, 15 22, 45

627 906

80 Hebe 2 shrub

657 937

81 Castilleja hololeuca 1-1 1/2 shrub

665

Biopurpureae

82 Chilopsis linearis 1 shrub

678 950

Acanthaceae

83 Beloperone californica 1 1/2 shrub leafless

685 954

84 Lippia Wrightii 1 shrub

688 859

Labiatae

85 Teucrium glandulosum 1 1/2 shrub

691 861

Labiatae Cont'd

86	<i>Trichostema lanatum</i> <i>Par. 1811</i>	2	Shrub	order	691	863
87	<i>Salazaria mexicana</i>	1	"	armed	693	865
88	<i>Leonotis leonurus</i>	1	"	escape escape	697	—
89	<i>Phloxis Stueckera</i>	1	"	—	697	—
90	<i>Salvia</i>	13-2	5-6, 9-19	aromatic	701	867
91	<i>Lepechinia</i>	4	1/2 shrub	aromatic	707	—
92	<i>Satureja chandleri</i>	1	" "	—	708	875
93	<i>Palafoxia mexicana</i>	1	Shrub	—	709	—
94	<i>Hyptis Emoryi</i>	1	"	aromatic	718	879

Saxifragaceae

95	<i>Philadelphus</i>	2-2	"	—	744	465
96	<i>Carpenteria californica</i>	1	"	—	744	466
97	<i>Jamesia americana</i> <i>var californica</i>	1	"	—	745	466
98	<i>Fendlerella utahensis</i>	1	"	—	745	—
99	<i>Whipplea modesta</i>	1	Trailing 1/2 shrub	—	745	467
100	<i>Ribes</i>	31-2	Shrub	armed unarmed	745	467

Rosaceae

101	<i>Lyonothamnus</i>	1	Tree	—	756	477
102	<i>Physocarpus</i>	2	shrubs	—	756	478
103	<i>Spiraea</i>	3	"	—	757	478
104	<i>Petrophyllum caes- pitosum</i>	1	"	mat	757	479
105	<i>Chamaebotrya milledalium</i>	1	"	aromatic	758	80

Rosaceae Cont'd

106	<i>Holodiscus</i>	3-4	Shrubs	—	759	479
107	<i>Potentilla fruticosa</i>	1	"	—	768	486
108	<i>Adenostema</i>	2-1	"	—	778	503
109	<i>Fallugia paradoxa</i>	1	"	—	779	497
110	<i>Ceanothus mexicana</i> var <i>stansburiana</i>	1	"	glandular	780	498
111	<i>Pereskia</i>	2	"	—	780	504
112	<i>Chamaebotria</i>	2	"	order	780	500
113	<i>Cercocarpus</i>	1	"	—	781	502
114	<i>Coleogyne ramississima</i>	1	"	—	782	504
115	<i>Rubus</i>	12-x	Shrubs	armed	782	480
116	<i>Rosa</i>	9-x	vines	armed	786	498
117	<i>Prunus</i>	15-x	Climbing sprawling shrubs	armed	788	505
118	<i>Osmanthus cerasidermis</i>	1	Trees	armed	788	505
119	<i>Sorbus</i>	4	Shrubs	unarmed	791	585
120	<i>Malus</i>	2	Shrub	—	791	507
121	<i>Amelanchier</i>	4	Tree	—	792	—
122	<i>Peraphyllum</i>	1	Shrub	armed	792	509
123	<i>Crotopus Douglasii</i>	1	Tree	unarmed	794	509
124	<i>Heteromeles</i>	1	"	armed	794	509
			"	—	794	508

(*Photinia* Jap)

Crossotaceae

125	<i>Crossosoma</i>	2	"	unarmed armed	795	475
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Genus

Species
var. or subspecies

Leguminosae

126	<i>Calliandra eriophylla</i>	1	Shrub	—	796	—
127	<i>Acacia</i>	6	Shrub Tree	Armed Unarmed	797	514
128	<i>Albizzia distachya</i>	1	Shrub Tree	escape —	798	—
129	<i>Prosopis</i>	3	Shrub Tree	armed	798	513
130	<i>Cercis occidentalis</i>	1	Shrub Tree	—	799	511
131	<i>Cassia</i>	2	Shrub	—	800	512
132	<i>Parthenocercis</i>	4	Tree	armed	800	513
133	<i>Cercidium</i>	2	Tree	armed	800	513
134	<i>Melilotus scabra</i> <i>Melilotus alba</i>	1	Shrub	—	801	516
135	<i>Pithecellobium nelsonii</i>	1	Shrub #60-66	armed	803	515
136	<i>Lupinus</i>	11	Shrub	—	804	516
137	<i>Ulex europaeus</i>	1	Shrub	armed	809	533
138	<i>Glycyrrhiza</i>	5	"	—	809	532
139	<i>Spartanum junceum</i>	1	"	leafless ±	820	—
140	<i>Lotes</i>	2-4	1/2 shrub	—	842	547
141	<i>Amorpha</i>	2	shrub	odor	852	556
142	<i>Dalea (Banksia sp.)</i>	7	Shrub Tree	Glandular	852	556
143	<i>Robinia</i>	1	Tree	armed	855	—
144	<i>Onoclea tesota</i>	1	Tree	armed	855	580
145	<i>Albani carolinensis</i>	1	Shrub	armed	888	585

Platanaceae

146	<i>Platanus racemosa</i>	1	Tree	—	897	476
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Species
variety

Krameriaceae

147 Krameria 2-1 Shrub arid 898 511

Betulaceae

148 Corylus cornuta var californica 1 Shrub — 899 270

149 Betula 2 Tree — 899 270

150 Alnus 4 Shrub Tree — 900 269

Fagaceae

151 Castanopsis 2-1 Shrub Tree — 901 278

152 Lithocarpus 1-1 Shrub Tree — 902 277

153 Quercus 16-x Shrub arid ungrazed 902 271

Myricaceae

154 Myrica Hartwegii 2 Shrub — 907 279

Juglandaceae

155 Juglans 2 Tree — 908 279

Salicaceae

156 Populus 5-2 Tree — 909 269

157 Salix 31-x Tree Shrub — 911 262

Ulmaceae

158 Ulmus 2 Tree — 918 —

159 Celtis Douglasii 1 Tree — 919 —

Myrtaceae

160 Eucalyptus 3 Tree — 963



Aristolochiaceae

161 Aristolochia 1 climber — 966

Celastraceae

162 Euonymus 1-1 shrub — 967

163 Paxistima (Pachystima top) 1 shrub — 967

164 Farsellaria (Glossopetalum sens.) 3 shrubs — 968

165 Martonia 1 " — 968

Vitaceae

166 Vitis 3 vine — 969

Rhamnaceae

167 Condalia 3 shrubs armed 970

168 Rhamnus. ^{W. Beck} 5-8 shrub armed tree unarmed 971

169 Coenothera 43-2 shrub " " tree " " 973

170 Celubria californica 1 shrub armed 985

171 Adolphia californica 1 " " 985

Buxaceae

172 Simmondsia chinensis 1 " — 985

Staphyleaceae

173 Staphylea Belandieri 1 " — 986

Thymelaeaceae

174 Duroia occidentalis 1 " — 987

Eleagnaceae

175	<i>Eleagnus angustifolia</i>	1	Shrub Tree	—	987
176	<i>Shepherdia argentea</i>	1	"	armed	988

Rutaceae

177	<i>Thamnosma montana</i>	1	1/2 Shrub	odor	992
178	<i>Cneoridium densum</i>	1	Shrub	—	992
179	<i>Ptelea crenulata</i>	1	Shrub Tree	odor	992

Simarubaceae

180	<i>Ailanthus altissima</i>	1	Tree	odor	993
181	<i>Holocentia emeryi</i>	1	shrub	armed	993

Hippocastanaceae

182	<i>Asclepias californica</i>	1	Tree shrub	—	994
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Aceraceae

(183)	<i>Acer</i>	4-1	Vine Shrub Tree	—	995
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Burseraceae

184	<i>Bursera microphylla</i>	1	Tree	odor?	997
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Anacardiaceae

185	<i>Schinus Molle</i>	1	"	glands	—
186	<i>Rhus</i>	6-2	Shrub Tree	—	997

Meliaceae

187	<i>Melia Azedarach</i>	1	Tree	—	999
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Cornaceae

188	<i>Cornus</i>	5-2	shrub Tree	—	1034
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Cont'd

Garryaceae

189 *Garrya* 6 Shrub
Tree — 1036

Rubiaceae

(190) *Galium* 22, 23, (5) 27, 30 1/2 Shrub — 1038
Tree
191 *Cephalanthus* 1 Shrub — 1046

Caprifoliaceae

192 *Sambucus* 5 Shrub
Tree — 1047
193 *Viburnum ellipticum* 1 Shrub
Fruiting — 1048
194 *Symphoricarpos* 7 Shrub — 1048
195 *Lonicera* 9-2 Fruiting
Shrub — 1050

Compositae

196 *Viguiera* 1, 2, 3 Shrub — 1086
2 ^{1/2} Shrub
" " — 1092
197 *Encelia* 4-2 " " — 1092
198 *Cercopsis giganteum* 1 Shrub — 1096
199 *Rabbia juncea* 1 Shrub — 1098
leafless
glabrous
200 *Eastwedia elegans* 1 Shrub — 1099
201 *Hymenoclea* 2-1 1/2 Shrub — 1102
1 (2, 3, 5)
202 *Franseria* 4 Shrub — 1103
1, 2
203 *Hemizonia* 2 " — 1117
glandular
204 *Lappula* 2-1 1/2 Shrub — 1134
ster
glandular
205 *Eriophyllum* 2, 3, 4, 5, 6 1/2 Shrub — 1145
5-1
1, 2
206 *Gutierrezia* 2-? " — 1166
207 *Amphipappus* 1-1 " — 1167
glandular
(*Amphichrys* sep)

Phyllostachya? }
 Canadica not canthia } Jepson?

Compositae Cont'd

208	<i>Acanthopappus</i>	2-1 #12-38	Shrub	—	1168
209	<i>Haplopappus</i> (Hazardia), Stenodus, Isotoma, Stenotopsis Ericameria, Macroneura Jap)	27-2	1/2 Shrub	—	1172
210	<i>Chrysothamnus</i>	9-2 #72	1/2 shrub shrub	—	1187
211	<i>Aster intricatus</i>	1 G.T.	1/2 Shrub	—	1194
212	<i>Macraeranthus</i>	2	"	—	1201
213	<i>Baccharis</i>	9-1	Shrubs	—	1225
214	<i>Spartina Chamaecyperissus</i>	1 1-5, 8	Shrub	armed	1229
215	<i>Artemisia</i>	7 38,	"	—	1234
216	<i>Senecio</i>	1-4 5	1/2 shrub	—	1244
217	<i>Peucephyllum Schottii</i>	1	Shrub	armed 1031/1012/1013	1254
218	<i>Tetradymia</i>	6	Shrub 1/2 shrub	—	1255
219	<i>Lepidospartum</i>	2-1	Shrub	—	1256
220	<i>Palafoxia sericea</i>	1	"	—	1258
221	<i>Hobmeistera pluriseta</i>	1	Shrub	—	1267
222	<i>Buckellia</i>	12	1/2 shrub	—	1268
223	<i>Trixis californica</i>	1	"	—	1285
224	<i>Malacothrix Blairii</i>	1	Shrub	—	1297

Liliaceae

225 *Smitax Californica* 1 VINE armed 1356

Agavaceae

226 *Jucca* 4-2 Yucca-like 1360

227 *Hesperis* 3-1 " " ? 1362

228 *Agave* 3 " " 1363

Palmae

229 *Washingtonia filifera* 1 Palm armed 1364