

OUTLINE OF AUSTRALIAN PHYLLANTHUS

Key to the sections

- 1a Phyllotaxy on all axes distichous; stipules asymmetrically deeply cordate; stamens 3, anthers dehiscing horizontally. MACRAEA
- 1b Phyllotaxy not entirely distichous; stipules not asymmetrically cordate; anthers dehiscing obliquely or vertically.
- 2a Phyllotaxy spiral throughout, ultimate floriferous axes not deciduous; seeds verruculose; pistillate disk of discrete (well separated) obtuse segments. PARAPHYLLANTHUS
- 2b Phyllotaxy spiral on main axes; ultimate floriferous axes deciduous, usually with distichous phyllotaxy; seeds not verruculose; pistillate disk mostly annular or lobed (if dissected, the segments not obtuse and well separated).
- 3a Stamens 5, 2 or 3 connate by the filaments; ovary locules 5 or more; fruits fleshy. ANISONEMA
- 3b Stamens 2-4 (rarely 5, and then connate); ovary locules 3; fruits dry. *PENTANDRA*
- 4a Staminate disk of 3 pairs of massive pitted coalesced segments; trees or shrubs, branchlets mostly compound (bipinnatifid).
- 5a Flowers in racemiform or paniculate thyrses; styles stigmatiform. NYMANIA
- 5b Flowers in axillary clusters; styles elongated. GOMPHIDIUM
- 4b Staminate disk of 5 or 6 separate segments, not massive and pitted; shrubs or herbs, branchlets simple.
- 6a Sepals 5 or 6, entire; stamens 2-5; ~~3~~ free or connate.
- 7a ~~Stamens 5, free~~; seeds densely papillose; fruiting pedicels capillary; annual herbs. PENTANDRA
- 7b Stamens 2 or 3, free or connate; seeds smooth, striate, or ribbed.
- 7b' *Seeds not transversely ribbed; ♀ flowers pedicellate.*
- 8a Branching subphyllanthoid; leaves subtending the branchlets not reduced to scales; sepals 6; seeds smooth (often microscopically striate or banded). LYSIANDRA
- 8b Branching phyllanthoid; leaves subtending the branchlets reduced to scales (at least in upper part of plant); sepals 5 or 6; seeds longitudinally striate or ribbed; herbs.
- 7b" *Seeds transversely ribbed; ♀ flowers ± sessile.* PHYLLANTHUS URINARIA
- 6b Sepals 4; stamens 2; anthers dehiscing horizontally, filaments connate; shrubs.
- 9a Sepals entire; styles connate; leaves coriaceous, falcate. EMBLICASTRUM
- 9b Sepals dentate or lacerate; styles free; leaves membranous, not markedly falcate. ERIOCOCCUS

Enumeration of Australia taxa of Phyllanthus

Subg. 1. ISOCLADUS

Sect. 1. PARAPHYLLANTHUS: *P. maderaspatensis*

2. MACRAEA: *P. simplex/virgatus* complex

Subg. 2. KIRGANELIA

Sect. 3. ANISONEMA: *P. novae-hollandiae*, *P. reticulatus*

Subg. 3. GOMPHIDIUM

Sect. 4. NYMANIA: *P. clamboides*

5. GOMPHIDIUM: *P. austrobrassii*, *P. brassii* (incl. ssp. *blaxellii*),
P. cucutiflorus (incl. ssp. *praelongipes*), *P. hypospodius*,
P. sauropodoides

Subg. 4. PHYLLANTHUS

Sect. 6. PENTANDRA: *P. tenellus*

7. LYSIANDRA

Subsect. Calycini: *P. calycinus*

Subcrenulati: *P. dallachyanus*, *gasstroemii*, *gunnii*,
microcladus, *similis*, *subcrenulatus*

Aridi: *P. aridus*, *australis*, *collinus*, *maitlandianus*,
polycladus

Grandisepali: *P. carpentariae*, *fuernrohrii*, *hebecarpus*,
grandisepalus

Hirtelli: *P. flagellaris*, *hirtellus*, *mittchellii*

8. PHYLLANTHUS

Subsect. Lacunarii: *P. lacerosus*, *lacunarius*, *lacunellus*

Subsect. Swartziani: *P. amarus*, *debilis*

9. URINARIA; *P. urinaria*

Subg. 5. ERIOCOCCUS

10
Sect. 9. EMBLICASTRUM: *P. lamprophyllus*

11
10. ERIOCOCCUS: *P. armstrongii*

sect. Gomphidium

austro-brassii
sauropodoides

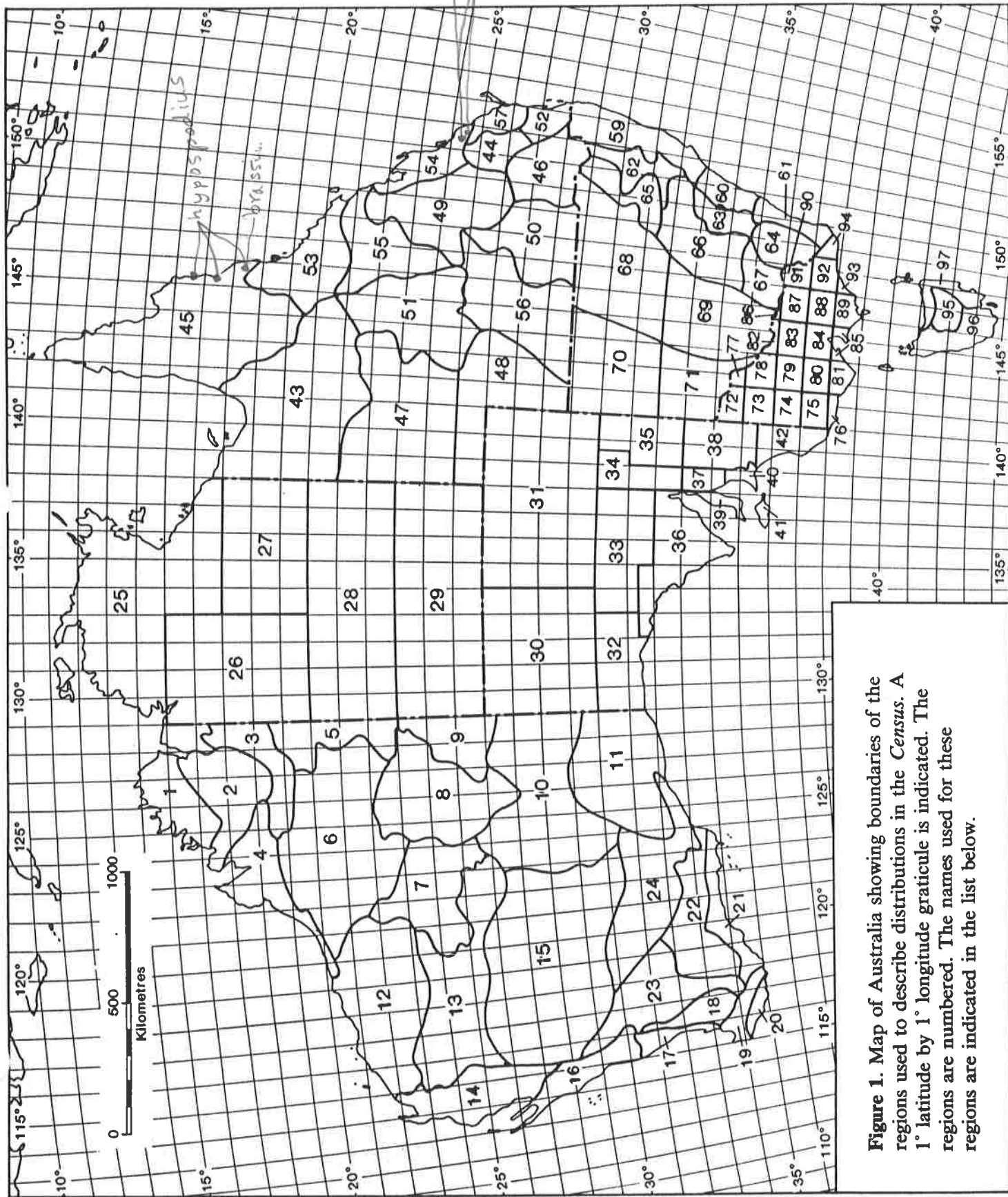


Figure 1. Map of Australia showing boundaries of the regions used to describe distributions in the *Census*. A 1° latitude by 1° longitude graticule is indicated. The regions are numbered. The names used for these regions are indicated in the list below.

Western Australia

1. Gardner
2. Fitzgerald
3. Hall
4. Dampier
5. Mueller
6. Canning
7. Keartland
8. Carnegie
9. Giles
10. Helms
11. Eucla
12. Fortescue
13. Ashburton
14. Carnarvon
15. Austin
16. Irwin
17. Drummond
18. Dale
19. Menzies
20. Warren
21. Eyre
22. Roe
23. Avon
24. Coolgardie

W. Recorded for State but region not known

Northern Territory

25. Darwin & Gulf
26. Victoria River District
27. Barkly Tableland
28. Central Australia north
29. Central Australia south

Y. Recorded for Territory but region not known

South Australia

30. North-western
31. Lake Eyre
32. Nullarbor
33. Gairdner - Torrens Basin
34. Flinders Ranges
35. Eastern
36. Eyre Peninsula
37. Northern Lofty
38. Murray
39. Yorke Peninsula
40. Southern Lofty
41. Kangaroo Island
42. South-eastern

S. Recorded for State but region not known

Queensland

43. Burke
44. Burnett
45. Cook
46. Darling Downs
47. Gregory North
48. Gregory South
49. Leichhardt
50. Maranoa
51. Mitchell
52. Moreton
53. North Kennedy
54. Port Curtis
55. South Kennedy
56. Warrego
57. Wide Bay

Q. Recorded for State but region not known

New South Wales

58. Lord Howe Island
59. North Coast
60. Central Coast
61. South Coast
62. Northern Tablelands
63. Central Tablelands
64. Southern Tablelands
65. North-western Slopes
66. Central-western Slopes
67. South-western Slopes
68. North-western Plains
69. South-western Plains
70. North Far Western Plains
71. South Far Western Plains

N. Recorded for State but region not known

Victoria (1:250 000 map grids used by Churchill & de Corona 1972)

72. A
73. B
74. C
75. D
76. E
77. F
78. G
79. H
80. J
81. K
82. L
83. M
84. N
85. P
86. Q
87. R
88. S
89. T
90. U
91. V
92. W
93. X
94. Z

V. Recorded for State but region not known

Tasmania

95. Central Highlands
96. Western and South-western
97. North-eastern

T. Recorded for State but region not known