

Contribution to the Bryoflora of Kenya

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Abstract. 109 species of bryophytes are presented from various localities in Kenya, among which are thirteen new records (marked with **) for the country.

Introduction

The author has, over the past few years, collected from various localities in Kenya. The more important ones are the Cherangani hills in western Kenya, Matthews Range in northern Kenya; Shimba hills along the Kenyan Coast; Maparasha hills, south-east of Nairobi; the Ngong hills and Ololua forest outside Nairobi. Several new records from previously collected areas, Mt. Kenya and the Aberdares are also reported here. All specimens of the author are deposited at NAI with numerous duplicates at NY and PC

Brief description of the more important localities

Cherangani hills consist of upland rain forest to open upland grassland, the forest with trees of *Podocarpus latifolius*, *Ilex mitis*, *Afrocrania volkensii*, *Hagenia abyssinica*, *Olea africana*,

Nuxia congesta and *Rapanea melanophloeos*. Highest point at 3200m. Bryophytes are most abundant along river banks, rock outcrops and on trees and shrubs.

Tingwa forest, Elgeyo Marakwet, Ndare, Naiberi and Maparasha hill consist of mostly degraded upland dry forest and evergreen scrub.

Shimba hills consist of lowland rain forest with trees of *Sterculia appendiculata*, *Chlorophora excelsa*, *Memecylon verruculosum*. Highest point at 400m. Again, bryophytes grow mainly on tree trunks and branches and on river banks.

Ololua forest consists of dry upland forest with *Brachylaena* and *Croton megalocarpus* as the dominant species. Highest point is 1850m.

Matthews Range consists of dry forest with trees of *Croton megalocarpus*, *Encephalartos tegulaneus*. Highest point is 2390m.

MUSCI

POLYTRICHACEAE

***Atrichum androgynum* (C. Muell.) Jaeg. Aberdares (terricolous): Ab 285. 2900m

Pogonatum perichaetiale ssp *oligodus* (C. Muell.) Hyvonen Cherangani hills (terricolous): Ch 35, Ch 69, Ch 76a, Ch 136, Ch 243. 2600-3200m.

Polytrichum commune Hedw. Cherangani hills (terricolous): Ch 88, Ch 227. 2600-3000m; Elgeyo Marakwet (terricolous): Em 13, 2400m

Polytrichum piliferum Hedw. Cherangani hills (terricolous, rupicolous): Ch 209, Ch 235, Ch 241d. 3000-3200m

FISSIDENTACEAE

Fissidens asplenioides Hedw. Mt. Kenya, Chogoria (terricolous): C92, C103; Mt. Kenya, Meru (terricolous): 2625m; Mt. Kenya, Naro Moru (terricolous): Nm 741. 2300m; Mt. Kenya, Sirimon (terricolous): S 32b, S337, S362. 2350-2900m; Aberdares (terricolous): Ab 80, Ab 552. 2900-3000m

***Fissidens borgenii* Hampe Cherangani hills (terricolous): Ch 7, Ch 74a. 2550-2600m; Kerio (terricolous): Ke 11a. 2450m; Shimba hills (rupicolous): Sh 54a. 200m

Fissidens bryoides Hedw. Cherangani hills (terricolous): Ch 74b, Ch 206, Ch 230. 3000m; Matthews range (terricolous): Mr 30. 1325m; Ololua forest (terricolous): Ol 4, 16. 1750m; Shimba hills (terricolous/rupicolous): Sh 34a. 75m; Mt. Kenya, Chogoria (terricolous): C 120. 2480m

Fissidens enervis Sim Kerio (terricolous): Ke 11b. 2450m; Mt. Kenya, Naro Moru (terricolous): Nm 721. 2650m; Mt. Kenya (terricolous): S 306b. 2450m

Fissidens intramarginatus (Hampe) Jaeg. Arabuko Sokoke (rupicolous): As 10. 10m; Mt.

Kenya, Sirimon (rupicolous): S 249. 2500m; Nyambeni (terricolous): Ny 14. 2000m

Fissidens ovatus Brid. Aberdares (terricolous, rupicolous): Ab 23c, Ab 28b, Ab 54. 3000m; Cherangani hills (terricolous): Ch 28. 2650m; Kerio (rupicolous, epiphytic): Ke 6, Ke 16. 2500m; Mt. Kenya, Chogoria (rupicolous): C 122, C128. 2400m; Mt. Kenya, Naro Moru (terricolous): Nm 316b, Nm 738, 2300-2400m; Mt. Kenya, Sirimon (rupicolous): S 250. 2500m; Shimba hills (terricolous): Sh 23, Sh 34b, Sh 40, Sh 48bis. 75-100m

***Fissidens sciophyllus* Mitt. Maparasha hill (terricolous): Mp 12, Mp 37. 1850-1900m; Mt. Kenya (terricolous): C 50. 1675m; Matthews range (terricolous/rupicolous): Mr 56. 1425m; Shimba hills (epiphytic): Sh 6. 400m

DITRICHACEAE

Ditrichum difficile (Duby) Fleisch. Cherangani hills (terricolous): Ch 12. 2600m

DICRANACEAE

Campylopus hildebrandtii (C. Muell.) Jaeg. Cherangani hills (epiphytic): Ch 235a. 3000m

Campylopus pilifer Brid. Cherangani hills (rupicolous): Ch 6, Ch 4, Ch 155, Ch 109, Ch 241a. 2550-3100m

Pilopogon africanus Broth. Cherangani hills (terricolous): Ch 191. 2750m; Elgeyo Marakwet (terricolous): Em 14. 2400m

CALYMPERACEAE

Calymperes tenerum C. Muell. Shimba hills (rupicolous, epiphytic): Sh 11, Sh 68, Sh 81, Sh 83. 200-400m

***Octoblepharum albidum* Hedw. Shimba hills (epiphytic): Sh 64, 210m

***Syrrhopodon usambaricus* Broth. ex Orban Nyambeni hills (lignicolous): Ny 6. 1750m

POTTIACEAE

Hyophila acuminata Broth. & P. Varde
Cherangani hills (terricolous): Ch 71b. 2600m;
Shimba hills (rupicolous): Sh 17. 200m

Hyophila involuta (Hook.) Jaeg. Matthews range
(rupicolous): Mr 173. 1475m

Leptodontium wallisii (C. Muell.) Kindb.
Aberdares (epiphytic): Ab 318, Ab 327. 3200m

Syntrichia fragilis (Tayl.) Ochyra Cherangani
hills (lignicolous, epiphytic): Ch 56, Ch 81a, Ch
197a. 2500-2950m; Elgeyo Marakwet
(epiphytic): Em 23. 2300m; Matthews range
(rupicolous): Mr 160. 1450m; Ololua forest
(rupicolous): Ol 6. 1750m

Trichodontium brachydontium Bruch.
Cherangani hills (terricolous): Ch 3. 2550m;
Shimba hills (epiphytic, rupicolous): Sh 29, Sh
71. 75-210m

BRYACEAE

Anomobryum julaceum (Brid.) Schimp.
Cherangani hills (terricolous): Ch 23, Ch 31, Ch
71a, Ch 159, Ch 213. 2600-3000m; Elgeyo
Marakwet (terricolous): Em 15. 2350m;
Nyambeni hill (terricolous): Ny 21. 2250m

Brachymenium angolense Welw. & Duby
Maparasha hills (terricolous): Mp 32. 1900m.

***Brachymenium exile* (Dozy & Molk.) Bosch
& Lac. Naiberi (epiphytic): Na 1a. 2200m

Bryum alpinum Huds. ex With. (rupicolous): Mr
46, Mr 47. 1325m; Shimba hills (rupicolous): Sh
22. 200m

Bryum argenteum Hedw. Matthews range
(terricolous): Mr 106. 1650m

Bryum argenteum var. *lanatum* (P. Beauv.)
Hampe Cherangani hills (terricolous): Ch 161,
Ch 259. 2300-2600m

Bryum huillense Welw. & Dub. Cherangani hills
(terricolous): Ch 33. 2500m

Bryum keniae C. Muell. Cherangani hills
(terricolous, lignicolous): Ch 19, Ch 113, Ch 144,
Ch 212, Ch 229. 2550-3000m; Tingwa forest
(terricolous): Ke22. 2600m; Elgeyo Marakwet
(terricolous): Em 53. 2525m

Bryum preussii Broth. Cherangani hills
(terricolous): Ch 114, Ch 212. 2600-3000m

Bryum pseudotriquetrum (Hedw.) Gaertn. Kerio
(epiphytic): Ke 57. 2500m

Rhodobryum perspinidens (Broth.) Pócs Ololua
forest (terricolous): Ol 40. 1750m

MNIACEAE

Plagiomnium cuspidatum (Hedw.) T. Kop.
Cherangani hills (terricolous): Ch 130, Ch 158.
2600m

Plagiomnium rhynchophorum (Hook.) T. Kop.
Cherangani hills (epiphytic): Ch 55a, Ch 62a, Ch
137, Ch 145. 2500-2650m

BARTRAMIACEAE

Breutelia muhavurensis P. Varde & Thér.
Cherangani hills (terricolous): Ch 236. 3000m

Philonotis fontana (Hedw.) Brid. Shimba hills
(rupicolous): Sh 43. 100m

ERPODIACEAE

Erpodium beccarii C. Muell. ex Vent. Matthews
range (epiphytic): Mr 65, Mr 69; Sagana
(epiphytic): Sa 1. 1200-1400m

Erpodium holstii Broth. Matthews range
(epiphytic): Mr 53, Mr 68, Mr 122, Mr 152. 1425-
1550m

ORTHOTRICHACEAE

Macrocoma abyssinica (C. Muell.) Vitt
Cherangani hills (epiphytic): Ch 203c, Ch 232b,

Ch 233, Ch 242b. 2950-3200.

Macrocoma tenuis ssp. *tenuis* (Hook. & Grev.) Vitt Ololua forest (epiphytic): Ol 1. 1750m; Kerio (epiphytic): Ke 23. 2400m Matthews range (epiphytic): Mr 141. 1760m

Macromitrium sulcatum (Hook.) Brid. Mt. Kenya, Chogoria (terricolous, epiphytic): C 9e, C 46, C 118. 2350-2500m;

RACOPILACEAE

Racopilum africanum Mitt. Elgeyo Marakwet (epiphytic): Em 11b. 2525m; Matthews range (terricolous, epiphytic, rupicolous, lignicolous): Mr 10, Mr 35a, Mr 48, Mr 166, Mr 168, Mr 172. 1300-1825m; Maparasha hills (epiphytic): Mp 16, Mp 19, Mp 24, Mp 25, Mp 34. 1850m, Naiberi (epiphytic): Na 3, Na 4, Na 5, Na 7. 2200m; Nyambeni hills (epiphytic): Ny 22b. 2250m. Ololua forest (rupicolous): Ol 13, Ol 14, 65. 1750m

HEDWIGIACEAE

Braunia camptoclada P. Varde & Thér. Cherangani hills (epiphytic): Ch 64, Ch 189, Ch 194, Ch 202c. 2500-2950m; Elgeyo Marakwet (epiphytic): Em 10, Em 50. 2525m

Braunia secunda (Hook.) B.S.G. Cherangani hills (epiphytic): Ch 51. 2800m; Elgeyo Marakwet (epiphytic): Em 22. 2300m; Kerio (rupicolous): Ke 69. 2500m; Maparasha hills (rupicolous): Mp 43. 1900m

Hedwigia ciliata var. *ciliata* (Hedw.) P. Beauv. Cherangani hills (rupicolous): Ch 90, Ch 112b. 2600m

Hedwigidium integrifolium (P.Beauv.) Dix. Cherangani hills (rupicolous): Ch 241c, 3100m

CRYPHAEACEAE

Cryphaea robusta Broth. & Thér. Cherangani hills (epiphytic): Ch 134. 2650m; Ololua forest (epiphytic): Ol 28, Ol 48. 1750m

Forsstroemia producta (Hornsch.) Par. Cheran-

gani hills (epiphytic): Ch 208. 3000m. Maparasha hills (epiphytic, rupicolous): Mp 1, Mp 18b, Mp 28, Mp 31. 1680-1850m. Matthews range (epiphytic, rupicolous): Mr 34, Mr51, Mr 74, Mr97, Mr 119, Mr 128, Mr 151, Mr 162b. 1325-1850m. Naiberi (epiphytic): Na 12. Ndare forest (epiphytic): Nd 1, Nd 5. 2000m; Nyambeni hills (epiphytic): Ny 2. 1450m; Ololua forest (epiphytic): Ol 5, Ol 45, Ol 47. 1750m

LEUCODONTACEAE

Antitrichia kilimandscharica Broth. Cherangani hills (epiphytic): Ch 157, Ch 169a, Ch 202e, Ch 204b, Ch 211, Ch 237. 2650-3000m

Pterogonium gracile (Hedw.) Sm. Cherangani hills (epiphytic): Ch 57, Ch 169b, Ch 188. 2500-2750m; Elgeyo Marakwet (epiphytic): Em 35. 2300m; Kerio (epiphytic): Ke 71. 2500m; Matthews range (epiphytic, rupicolous): Mr116, Mr 142. 1600-1760m; Naiberi (epiphytic): Na 14. 2200m; Nyambeni hills (epiphytic): Ny22a. 2250m

PRIONODONTACEAE

Prionodon ciliatus Besch. Cherangani hills (epiphytic): Ch 54a, Ch 63, Ch 66a. 2500m; Tingwa forest (epiphytic): Ke 12a, Ke 38. 2450m

PTEROBRYACEAE

Calypsothecium hoehnellii (C. Muell.) Lindau Cherangani hills (epiphytic): Ch 54b, Ch 66b, Ch 83. 2500-2600m; Elgeyo Marakwet (epiphytic): Em 21. 2350m; Kerio (epiphytic): Ke 21. 2500m

***Calypsothecium planifrons* (Ren. & Par.) Argent Nyambeni hills (epiphytic): Ny 20. 2250m

METEORIACEAE

Papillaria africana (C. Muell.) Jaeg. Cherangani hills (epiphytic): Ch 156, Ch 257. 2500-2650m; Kerio (epiphytic): Ke 58. 2450m. Matthews range (epiphytic): Mr 13, Mr 23. 1300-1325m; Maparasha hills (epiphytic): Mp 18a, Mp 29, Mp 30, Mp 43. 1850-1900m; Nyambeni hills

(epiphytic): Ny 17e. 1750m; Ololua forest (epiphytic): Ol 9, 62. 1750m

Pilotrichella cuspidata Broth. Cherangani hills (epiphytic): Ch 61 2500m; Matthews Range (epiphytic): Mr 12; Naiberi (epiphytic): Na 15. 2200m; Nyambeni hills (epiphytic): 16b, 17b. 2450m.

Squamidium brasiliense (Hornsch.) Broth. Kerio (epiphytic): Ke 24. 2450m

NECKERACEAE

Leptodon smithii (Hedw.) Web. & Mohr. Cherangani hills (epiphytic): Ch 48a, Ch 54, Ch 181, Ch 182. 2750-2800m; Elgeyo Marakwet (epiphytic): Em 4, Em 34, Em 37. 2300-2525m; Kerio (epiphytic): Ke 60. 2400m; Maparasha hills (epiphytic): Mp 4b, Mp 18c. 1680m; Matthews range (epiphytic): Mr 72, Mr 82, Mr 99, Mr 102, Mr 112, Mr 118, Mr 138, Mr 159b. 1550-1850m; Naiberi (epiphytic): Na 17. 2200m; Ololua forest (epiphytic): Ol 20. 1750m

Neckera platyantha (C.Muell.) Par. Cherangani hills (epiphytic): Ch 64, Ch 67, Ch 154, Ch 168, Ch 218. 2500-3000m; Elgeyo Marakwet (epiphytic): Em 49. 2525m

Porothamnium stipitatum (Mitt.) Touw ex De Sloover Cherangani hills (rupicolous): Ch 53. 2500m; Nyambeni hills (epiphytic): Ny 5. 1750m;

HOOKERIAACEAE

***Cyclodictyon krebedjense* Broth. Shimba hills (rupicolous): Sh 59. 200m

Cyclodictyon laete-virens (Hook. & Tayl.) Mitt. Aberdares (terricolous): Ab 278b. 2950m

Hypopterygium mildbraedii Broth. Kerio (epiphytic): Ke 26. 2500m; Ololua forest (rupicolous) Ol 27. 1750m.

RUTENBERGIAACEAE

***Neorutenbergia usagarae* (Dix.) Bizot & Pócs

Kirui crater, Chogoria (epiphytic): C116, 2500m.

FABRONIACEAE

Fabronia leikipiae C. Muell. Matthews range (epiphytic): Mr 114, Mr 167, Mr 170. 1550-1600m; Maparasha hill (epiphytic): Mp 3. 1680m

Fabronia pilifera Hornsch. Matthews range (epiphytic): Mr 1, Mr 3, Mr 45, Mr 57, Mr 85a, Mr 101. 1300-1800m; Kerio (epiphytic): Ke 64c. 2200m; Ololua forest (epiphytic): Ol 17, Ol 25. 1750m.

LESKEACEAE

Lindbergia patentifolia Dix. Cherangani hills (epiphytic): Ch 81b, Ch 171. 2600-2750m; Elgeyo Marakwet (epiphytic): Em 26b. 2300m; Matthews range (epiphytic, rupicolous): Mr 33, Mr 110, Mr 169. 1325-1475m; Naiberi (epiphytic): Na 10. 2200m; Ololua forest (epiphytic): Ol 21. 1750m

THUIDIACEAE

***Thuidium varians* Welw. & Duby Shimba hills (epiphytic): Sh 20, Sh 25, Sh 33. 75-200m

Thuidium versicolor (C. Muell.) Jaeg. Ngaya (lignicolous): Ng 1. 2000m

AMBLYSTEGIAACEAE

Amblystegium riparium (Hedw.) Bruch, Schimp. & Gumbel Cherangani hills (terricolous/aquatic): Ch 25, Ch 43. 2500-2650m

BRACHYTHECIAACEAE

Palamocladium leskeoides (Hook.) E.Britton Cherangani hills (terricolous, epiphytic): Ch 174, Ch 175. 2750m; Elgeyo Marakwet (epiphytic): Em 3, Em 18. 2350-2525m; Kerio (epiphytic): Ke 13. 2450m; Naiberi (epiphytic): Na 8b. 2200m

Rhynchostegium riparioides (Hedw.) Card. Cherangani hills (rupicolous): Ch 45. 2500m

PLAGIOTHECIACEAE

Stereophyllum radiculosum (Hook.) Mitt.
Matthews range (lignicolous): Mr 94, Mr 115.
1550-1750m

HYPNACEAE

Hypnum cupressiforme Hedw. Cherangani hills
(epiphytic, rupicolous, lignicolous): Ch 70b, Ch
121, Ch 224, Ch 231a, Ch 234c. 2600-3000m;
Elgeyo Marakwet (epiphytic): Em 25. 2300m;
Kerio (epiphytic): Ke 39b. 2600m

HEPATICAE

LEPIDOZIACEAE

Arachniopsis diacantha (Mont.) Howe Shimba
hill (terricolous): 200m

LOPHOZIACEAE

Anastrophyllum auritum (Lehm.) Steph.
Cherangani hills (rupicolous): Ch 110b, Ch 111.
2650m

PLAGIOCHILACEAE

Plagiochila squamulosa Mitt. Cherangani hills
(lignicolous): Ch 164, Ch 176. 2750m. Elgeyo
Marakwet (epiphytic): Em 31, Em 52. 2300-
2525m; Kerio (epiphytic): Ke 17, Ke 45b, Ke
67, Ke 70. 2200-2500m; Matthews range
(epiphytic): Mr .../?? 1800m

Plagiochila squamulosa var. *crispulo-caudata*
(Gott.) Vand. Bergh. Cherangani hills
(terricolous): Ch 86. 2600m; Elgeyo Marakwet
(epiphytic): Em 8, Em 11a, Em 43. 2525m; Kerio
(epiphytic): Ke 64b, Ke 65. 2200m; Maparasha
hill (epiphytic): Mp 11, Mp 52. 1800-1925m;
Matthews range (epiphytic, rupicolous): Mr 77,
Mr 127, Mr 134. 1575-1800m

Plagiochila squamulosa var. *sinuosa* (Mitt.)
Vand Bergh. Maparasha hill (epiphytic): Mp 4a,
Mp 11, Mp 15b, Mp 23. 1800-1850m.; Kerio
(epiphytic): Ke 52. 2600m

RADULACEAE

***Radula ankefinensis* Mt. Kenya, Chogoria
(epiphytic): C135b, 136a. 1900-1950m

Radula boryana (Web.) Nees Aberdares
(epiphytic): Ab 61e. 3000m

Radula evelynae Yamada Mt. Kenya, Sirimon
(epiphytic): S33. 2350m

***Radula fulvifolia* (Hook.f. & Tayl.) Gott. Ma-
parasha hill (rupicolous): Mp 38. 1900m; Mt.
Kenya, Chogoria (epiphytic, rupicolous): C 27a,
C 28a, C136b. 1950-2375m

***Radula madagascariensis* Mt. Kenya,
Chogoria (epiphytic): C17b. 2410m

Radula quadrata Gott. Cherangani hills
(epiphytic, rupicolous): Ch 91, Ch 94, Ch 132.
2600m; Maparasha hill (rupicolous): Mp 38.
1900m

Radula voluta Tayl. ex Gott. Cherangani hills
(rupicolous): Ch 139. 2600m

PORRELACEAE

Porella abyssinica var. *hoehnelii* (Steph.) Pócs
Cherangani hills (epiphytic, rupicolous,
lignicolous): Ch 65, Ch 102, Ch 126, Ch 133, Ch
173, Ch 234b. 2500-3000m; Elgeyo Marakwet
(epiphytic): Em 6b, Em 7b, Em 9, Em 11b, Em
12, Em 20, Em 29, Em 39, Em 41, Em 51. 2300-
2525m; Kerio (epiphytic): Ke 27. 2500m

Porella subdentata (Mitt.) Steph. Cherangani
hills (epiphytic): Ch 210. 3000m

FRULLANIACEAE

Frullania angulata Mitt. Nyambeni hills
(epiphytic): Ny 25, Ny 27b. 2250m; Maparasha
hill (epiphytic): Mp 26. 1850m

Frullania arecae (Spreng.) Gott. Cherangani hills
(lignicolous, epiphytic): Ch 223a, Ch 238.
3000m; Elgeyo Marakwet (epiphytic): Em 2b.
2450m

Frullania cafraria Steph. Elgeyo Marakwet (epiphytic): Em 6a, Em 7a, Em 26a, Em 32. 2300-2525m, Ololua (epiphytic): Ol 19. 1750

Frullania diptera (Lehm.) Drège Shimba hills (epiphytic): Sh 69, Sh 77. 200-210m

Frullania obscurifolia Mitt. Cherangani hills (epiphytic): Ch 34. 2600m; Matthews range (epiphytic): Mr 83, Mr 133. 1750-1800m; Maparasha hill (epiphytic): Mp 54. 1900m.

Frullania schimperii Nees Cherangani hills (epiphytic, lignicolous): Ch 9, Ch 70. 2550-2600m

LEJEUNEACEAE

Cololejeunea cardiocarpa (Mont.) Evans Shimba hills (epiphytic): Sh 3. 200m

Microlejeunea africana Steph. Shimba hills (epiphytic): Sh 75. 200m

Marchesinia madagassa Steph. Aberdares (rupicolous): Ab 168. 3900m

PALLAVICINIACEAE

Jensenia spinosa (Lindenb. & Gott.) Grolle Cherangani hills (terricolous): Ch 217. 3000m

ANEURACEAE

Riccardia fastigiata (Lehm.) Trev. Shimba hills (rupicolous, terricolous): Sh 37, Sh 39. 75m

Riccardia limbata (Steph.) E.W. Jones Shimba hills (rupicolous): Sh 54b, Sh 60. 200m

TARGIONIACEAE

Targionia hypophylla L. Cherangani hills (rupicolous) : Ch 104. 2600m

LUNULARIACEAE

Lunularia cruciata (L.) Dum. Cherangani hills (terricolous): Ch 93, Ch 178, Ch 190, Ch 261. 2350-2750m; Elgeyo Marakwet (terricolous): Em

17. 2400m; Kerio (terricolous): Ke 25. 2450m.

WIESNELLACEAE

Dumortiera hirsuta (Sw.) Nees Cherangani hills (terricolous): Ch 44, Ch 60. 2500m; Nyambeni hills (terricolous): Ny 11. 1700m;

MARCHANTIACEAE

Marchantia pappeana Lehm. Cherangani hills (terricolous, rupicolous): Ch 30, Ch 41, Ch 99, Ch 119, Ch 131, Ch 150, Ch 258. 2300-2650m

RICCIACEAE

Riccia congoana Steph. Ololua forest (terricolous): Ol 69. 1750m

Riccia stricta (Lindenb.) Perold Matthews range (terricolous): Mr 6, Mr 14b, Mr 32c, Mr 44. 1300-1325m; Ololua forest (terricolous): Ol 67. 1750m

Ricciocarpus natans (L.) Corda Naivasha (terricolous) Ns 1. 2000m

ANTHOCEROTAE

Anthoceros myriandroecius Steph. Cherangani hills (terricolous): Ch 22a, Ch 42; Ololua forest (rupicolous): Ol 59. 1750m

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