

## New bryophyte taxon records for tropical countries IV

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The following new records to Africa are with reference to the current checklists for sub-Saharan Africa (Hepaticae: Wigginton & Grolle 1996; Musci: O'Shea 1999).

Zoubrouma, Massif du Ziama, Région de Macenta, 8°25'N, 9°30'E, alt.: 950 m, 22 May 1962, *S. Lisowski 8*, det. J. Duda, 27 July 1965. (E). Found only in West Africa, from Sierra Leone to the Central African Republic, and in Bioko. [MJW]

**HEPATICAEE****Cameroon**

*Lunularia cruciata* (L.) Dumort.

On steep bank in open woodland, Ukile, Cameroon Mt., 4°12'N, 9°11'E, alt.: 2620 m, 30 March 1948, *E.W. Jones 397* (E). Widespread in subtropical and warm-temperate regions of the northern and southern hemispheres. [MJW]

*Plagiochila salvadorica* Steph.

Dans le forêt dense montagnarde au-dessus du village Zoubrouma (epiphyte), Massif du Ziama, Région de Macenta, 8°25'N, 9°30'E, alt.: c. 1000 m, 30 December 1962, *S. Lisowski 9*, det. E.W. Jones, 1965. (E). In Africa only, and apparently very local: Angola, Central African Republic, D.R. Congo, Ghana, Sierra Leone. [MJW]

**Guinea**

*Plagiochila africana* Steph.

Epiphyte dans le forêt dense au-dessus du village

*Ptychanthus striatus* (Lehm. & Lindenb.) Nees  
Dans le forêt montagnarde au dessus du village Zoubrouma, Région de Macenta, Massif du Ziama, 8°25'N, 9°30'E, alt.: 950 m, 22 May 1962, *S. Lisowski s.n.* (E). Widespread throughout the tropical regions of continental Africa, but in the East African islands, only from Madagascar.

Elsewhere, widespread in tropical regions of Asia, Australasia and the Pacific. [MJW]

### Kenya

*Cheilolejeunea serpentina* (Mitt.) Mizut.

On bole of tree in isolated clump in grassland of Shimba plateau, Kwale, Mombasa, 4°10'S, 39°27'E, alt.: 1200 ft., August 1955, *E.W.Jones 630* (E). Widespread in tropical West Africa from Sierra Leone to Equatorial Guinea, and in the East African islands, but more local in continental East Africa. Elsewhere from India and Sri Lanka to South-East Asia, the Phillipines and the Caroline islands. [MJW]

*Telaranea nematodes* (Gottsche ex Aust.) Howe. Bank of stream, with *Symphogyna* sp. and *Isotachis aubertii*, above Karuru waterfall, Aberdare Mts., 0°27'S, 36°44'E, alt.: 3030 m, 9 April 1975, *C.C. Townsend 75/904c*, det. E.W. Jones (E). In Africa from Sierra Leone to Tanzania and south to South Africa, and in the East African islands. Elsewhere, in warm- temperate and tropical regions of western Europe, North Atlantic islands, Tristan da Cunha, North, Central and South America. [MJW]

### Nigeria

*Cheilolejeunea newtonii* Steph. ex Schiff.

1. On living tree trunk, Sapoba, Benin Prov., 6°06'N, 5°53'E, 25 May 1966, *P.J. Wanstall 97*, det. E.W. Jones (E).

2. On trunk of *Brachystegia* sp. in high forest, Omo Forest Reserve, near Ijebu-Ode, 6°31'N, 6°58'E, 25 November 1984, *A. Egunyomi 799*, det. E.W. Jones (E). Local in West and East tropical Africa, from Guinea to Ethiopia and Kenya. [MJW]

### Príncipe

*Archilejeunea africana* Steph.

On *Cacao*, Santo Antonio, 1°37'N, 7°27'E, August 1956, *C.A. Thorold 2266B* p.p., det. E.W. Jones (E). Fairly widespread in tropical West and East Africa from Sierra Leone to Tanzania. [MJW]

*Caudalejeunea hanningtonii* (Mitt.) Schiffn.

On *Cacao*, Santo Antonio, 1°37'N, 7°27'E, August 1956, *C.A. Thorold 2266B*, p.p., det. E.W. Jones (E). Widespread in tropical West and East Africa from Guinea Bissau to Tanzania, south to Zimbabwe, and in Madagascar. [MJW]

*Cololejeunea zenkeri* (Steph.) E.W.Jones

Pico de Príncipe, alt: 300 m and 915 m, August 1956, *C.A. Thorold s.n.*, det. E.W. Jones (E). Tropical West and East Africa from Sierra Leone to Tanzania, and in the Seychelles. [MJW]

*Mastigolejeunea florea* (Mitt.) Paris

On *Cacao*, Santo Antonio, 1°37'N, 7°27'E, 30 August 1956, *C.A. Thorold s.n.*, det. E.W. Jones (E). Predominantly West African, from Guinea to Congo, but reaching eastwards to western Uganda, Tanzania and Zaire. [MJW]

### Rwanda

*Riccardia limbata* Steph.

Épiphyte sur tronc pourriau sol, Vallon encaissé à *Cyathia*, riviere Buruli, Uwinka, foret de Rugege, Préf. de Cyangugu. 12 August 1974, *J.L. de Sloover 1885b*, det. E.W. Jones (E). Widespread in West and East tropical, and southern Africa; also on Mauritius and Réunion. [MJW]

### Sao Tomé

*Caudalejeunea hanningtonii* (Mitt.) Schiffn.

On *Cacao*, near Trindade village, 0°18'N, 6°41'E, [undated, but probably 1955 or 1956], *C.A. Thorold 2252B* p.p., det. E.W. Jones ("a form with unwinged entire perianths and scarcely dentate bracts"). (E). Widespread in tropical West and East Africa from Guinea Bissau to Tanzania, south to Zimbabwe, and in Madagascar. [MJW]

### Togo

*Cheilolejeunea trifaria* (Reinw., et al.) Mizut.

Hänge des Plateau des Dayes, an der Strasse von Adéta nach Ndigbe-Apédomé, 30 km N. of Palimé (= K'Palimé), erdig-felsige Böschung, 6°54'N,

0°38'E, alt.: c. 300-500 m, 11 Sept. 1973, *P. Hiepko & W. Schultze-Motel 433*, det. E.W. Jones (as *C. brachytoma*). (E). West and East tropical Africa, south to Zimbabwe, and in East African islands. Elsewhere in Sri Lanka, South-East Asia, Australia, Pacific islands, Taiwan, Japan, Central and South America. [MJW]

## MUSCI

### Comores

*Homaliodendron exiguum* (Bosch & Sande Lac.) M.Fleisch.

Anjouan (Ndzouani). Chungini valley along SW coast between Moya and Pomoni [12°15'S 44°25'E], on shaded rock in dry shaded stream bed, 16 August 1992, *R.E. Magill & T. Pocs 11410* (BM). This palaeotropic species was known previously in Africa only from two collection in Tanzania, three in Madagascar and two from the Mascarenes. It is widespread in SE Asia and also occurs in Japan and as far east as the Society Isles. [BJO].

### Dem. Rep. Congo (Congo-Kinshasa, Zaire)

*Anacamptodon africanus* P. de la Varde  
Pinga (=96 km NW Goma): valley 4 km NNE of the village, mountain rainforest, 1100 m NN, epiphytic; 1°0'S, 28°43'O; 18.-23.8.1991, herb. *F. Müller Z 668*.

The species was hitherto only known from the Central African Republic, Nigeria and Tanzania (O'Shea 1999). By searching in the extensive African bryophyte collection in the herbarium of the Jardin Botanique National de Belgique (BR) in Meise the author has found an additional specimen of this taxon from Zaire:

Congo Belge: Lubutu, foret, sur tronc d'arbre; 1.1915, *Bequaert 8072, BR 55975*. [FM]

*Mesonodon flavescens* (Hook.) W.R. Buck  
Pinga (=96 km NW Goma), valley 4 km NNE of the village, mountain rainforest, 1100 m NN, on dead wood together with *Sematophyllum* spec., 1°0'S, 28°43'O; 18.-23.8.1991, herb. *F. Müller Z 667*  
In Africa the species shows a scattered

distribution. It is known from Cameroon, Guinea, Madagascar, Malawi, Mauritius, Rio Muni, Tanzania and Togo (O'Shea 1999). [FM]

### Ghana

*Splachnobryum obtusum* (Brid.) Müll.Hal.

Western. Ankasa, Aniyinase, Department of Wildlife, concrete of small water channel, 40 m, 4 March 1998, *M. Liith & M. Neymeyer 104a*; det. H.W. Matcham. (BM) This species is widespread in tropical and subtropical America and Africa (and also introduced into greenhouses in USA and UK), but seems to be absent from Asia. [BJO].

### Ivory Coast (Cote d'Ivoire)

*Barbula consanguinea* (Thwaites & Mitt.) A. Jaeger

Ferkessedougou: along the street 10 km north of the town, tree savanna, open slopes near a periodical brook; 9°41'N, 5°11'W; 30.8.1997, herb. *F. Müller E 57*, det. Ph. Sollman.

This previously SE Asian species was reported in the last years from several African countries. In O'Shea (1999) it is cited from Benin and the Cape Verde Islands. In the original literature source of the Benin record there is not to find any evidence for the occurrence of the taxa in this country (Frahm & Porembski 1998). In addition it is reported for the African countries Nigeria and Burundi (Sollman 1998). This records are lacking in O'Shea (1999). [FM]

*Pseudosymblypharis angustata* (Mitt.) Hilp.

Man: Mt. Tonkoui 10 km northwest of Man, ca. 1200 m NN, tropical rainforest, epiphytic on introduced *Podocarpus* trees; 7°27'N, 7°38'W; 25.8.1997, herb. *F. Müller E 69*, det. Ph. Sollman. First record of a *Pseudosymblypharis* species for West Africa. [FM]

### Kenya

*Isopterygium argyroleucum* Besch.

Giombene, 3 November 1914. *G. Balbo s.n.*; det. H.N. Dixon; com. P.G. Piovano (BM). This taxon

is recorded quite widely in west Africa and is frequent on some of the Indian Ocean islands, such as Seychelles. It is likely that there will be a number of East African and other synonyms for this taxon when this unwieldy genus is revised. [BJO].

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