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Further Contribution to the East African Foliicolous Ascomycotina

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Summary. – Fourty eight ascomycetous taxa distributed among twenty nine genera on twenty eight host families are reported. Synonyms are enumerated where necessary. Significant differences, when they exist, between the specimens examined and original descriptions are noted.

Early work on the East African fungi was done mostly by German mycologists in the later part of the 19th century. The specimens collected from this region were deposited at Berlin Museum where mycologist like Hennings (1893; 1897) made initial attempts to classify them.

British occupation of East Africa, which followed the German regime, saw awakening of interest in the fungi of economic importance. Most investigators during this period were Plant Pathologists. Their collections were sent to the Commonwealth Mycological Institute (then Imperial Mycological Institute), Kew, England, for identification. The lists of their findings were published periodically, together with those from other parts of the British Empire, in the Institute's Mycological Papers.

Beside the Germans and British, expeditions commissioned by other foreign governments were also undertaken to collect plants from that regions. Notably among these phytoexpeditioners was Welwitsch (1867), an Austrian botanist, sponsored by the Portuguese Government.

In the present study, twenty eight host families were examined. Fourty eight fungal taxa distributed among twenty nine genera are reported. The material was collected in 1966 by Professor R. F. Cain, Drs. H. D. Griffin and J. C. Krug of the University of Toronto, Ontario, Canada. The Uredinales in the same collections were identified by Henderson (1970).

Abbreviations: C–G–K: Cain, Griffin & Krug.

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Enumeration of Species

AGAVACEAE

1. *Plectosphaera amphididyma* (SYD.) von ARX & MÜLLER, Beitr. Kryplfl. Schweiz 11: 203. 1954.

Syn.: *Physalospora amphididyma* H. & P. SYDOW, Annls Mycol. 3: 184. 1905.

Specimen examined: TANZANIA: Usambara Mts., Shume Forest, Magamba, on *Dracaena steudneri* ENG., 13 Aug. 1966, C–G–K, TRTC 66.1597.

APOCYNACEAE

2. *Meliola carissae* DOIDGE. Bothalia 1: 72. 1921.

Specimen examined: UGANDA: Nakasongola, N. of Kampala, on *Carissa edulis* VAHL., 30 July 1966, C–G–K, TRTC 66.1180.

The Ugandan specimen is less dense than the type, the former getting only up to 2 mm. in diameter and the latter up to 6 mm.

ANACARDIACEAE

3. *Meliola brachyodonta* SYD. var. *dummeri* HANSF., Sydowia 11: 459. 1961.

Syn.: *Meliola dummeri* HANSF., Journ. Linn. Soc. Lond. 51: 540. 1938.

Specimens examined: TANZANIA: Usambara Mts., N of Lushoto, Kijucha Ngwelo Hill, on *Rhus longipes* ENGL., 14 Aug. 1966, C–G–K, TRTC 66.1604. – UGANDA: Entebbe road, on *Rhus incana,* Feb. 1938, Hansford, IMI 23253; on *Rhus incana,* Aug. 1940, HANSFORD, USDA 71339.

The Tanzanian specimen has hyphae that are more or less undulate with cells up to 46 µm long.

AQUIFOLIACEAE

4. *Asterina bottomleyae* DOIDGE, Bothalia 4: 286. 1942.

Specimen examined: KENYA: Aberdare Mts., Kerita, on *Ilex mitis* (L.) RADLK., 5 July 1966, C–G–K, TRTC 66.60.

BORAGINACEAE

5. *Phyllachora orbicularis* SPEG., Bol. Acad. Cienc. Córdoba, 26: 357. 1924.

Specimen examined: UGANDA: Budongo Forest, W. of Masindi, on *Cordia milleni* BAKER, 30 July 1966, C–G–K, TRTC 66.1188.

The Ugandan specimen differs from the type, which was reported on *C. nitida,* in forming discrete colonies that reach 13 mm in diameter and in possessing paraphyses. PARBERY & LANGDON (1964)

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found that the position and arrangement of colonies depend on the initial intensity of the inoculum and the points of penetration. Consequently, they attached no taxonomic importance to these characters. As for the paraphyses, PARBERY (1967) viewed them as insufficiently reliable to be used as a criterion for delimiting species.

6. *Phyllachora caffra* SYD., Annls Mycol. 13: 548. 1915.

Syn.: *Physalospora caffra* SYD., Annls Mycol. 10: 39. 1912.

Specimen examined: KENYA: Nairobi Nat. Park, on *Cordia ovalis,* R. BR. ex DC., 10 July 1966, C–G–K, TRTC 66.312.

CAESALPINACEAE

7. *Balladyna magna* EBOH & CAIN, Can. J. Bot. 51: 61–64. 1973.

Specimen examined: KENYA: Shimba Hills, on *Paramacrolobium coeruleum* (TAUB.) J. LEONARD, 24 Aug. 1966, C–G–K, TRTC 66.2081 (type).

8. *Micropeltidium ugandae* (HANSF.) BATISTA, Monografia dos fungos Micropeltaceae, p. 278. 1959.

Syn.: *Micropeltis ugandae* HANSF., Proc. Linn. Soc. Lond., p. 50. 1941.

This fungus was removed from the genus *Micropeltis* on account of the irregular dehiscence of its ascostromata. The mature spores usually break up into single cells with thick mucose walls.

Specimen examined: KENYA: Shimba Hills, on *Paramacrolobium coeruleum* (TAUB.) J. LEONARD, 24 Aug. 1966, C–G–K, TRTC 66.2088.

Most of the ascospores of the Kenyan specimen are immature.

CAPPARACEAE

9. *Hysterostomella bosciae* DOIDGE, Bothalia 4: 869. 1948.

Syn.: *Cyclotheca bosciae* DOIDGE, Bothalia 1: 196. 1924.
Dimerosporium bosciae P. HENN., Ann. R. 1st. Roma 6: 2. 87. 1896.
Hysterostomina bosciae (P. HENN.) THEISS., Verh. Zool. Bot. Ges. Wien. 69: 20. 1919.

Specimen examined: KENYA: S of Voi, on *Boscia coriacea* PAX., 23 Aug. 1966, C–G–K, TRTC 66.2071.

CELASTRACEAE

10. *Actinopeltis* sp.

Parasitic on the mycelium of a member of the perisporiopsidaceae which was so heavily parasitized that it had formed only a few immature pseudothecia. The pseudothecia of the *Actinopeltis* are all fairly young with no mature ascospores.

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Specimen examined: TANZANIA: Mt. Kilimanjaro, N-side, W of Loitokitok, on mycelium of Perisporiopsidaceae, on *Cassine aethopica* THUMB., 17 Aug. 1966, C–G–K, TRTC 66.1660 a.

11. *Perischizon oleifolium* (KALCH. & COOKE) SYD., Annls, Mycol. 12: 265. 1914.

Syn.: *Dothidea oleifolia* KALCH & COOKE, Grevillea 9: 31. 1880.

Specimen examined: TANZANIA: Mt. Kilimanjaro, N-side, W of Loitokitok, on *Cassine aethiopica* THUMB., 17 Aug 1966, C–G–K, TRTC 66.1660.

12. *Polyrhizon bewsii* DOIDGE, Bothalia 1: 12. 1921.

Specimen examined: SOUTH AFRICA: Kapprovinz: Kirstenbosch, Wald am Table Mountain, on *Olea laurifolia* LAM., 13 Nov. 1959, SCHUEPP, ZT 33992 (TRTC); Kirstenbosch, Cape Province, on *Olea capensis*, 9 Jan. 1914, PEARSON, PRE 7374 (TRTC).

13. *Scolecopeltidium cupaniae* BATISTA & H. LIMA, Monografia dos fungos Micropeltaceae, pp. 190–191. 1959.

Specimen examined: KENYA: 40 miles NW of Mombasa, on *Euonymus* sp., 23 Aug. 1966, C–G–K, TRTC 66.1671.

14. *Prillieuxina dissiliens* (SYD.) von ARX, Beitr. Krypt. Fl. Schweiz, (11 (2); 133. 1962.

Specimen examined: TANZANIA: Mt. Kilimanjaro, N-side, W of Loitokitok, on *Maytenus senegalensis* (LAM.) EXCELL. (= *Gymnosporia senegalensis* [LAM.] LOES.), 17 Aug. 1966, C–G–K, TRTC 66.1663; Mt. Kilimanjaro, Marangu Hotel, 15 Aug. 1966, C–G–K, TRTC 66.1606.

15. *Schiffnerula gymnosporia* HANSF., Proc. Linn. Soc. Lond., 157: 169–160. 1944–45.

Specimens examined: TANZANIA: Mt. Kilimanjaro, N-side, W of Loitokitok, on *Maytenus senegalensis* (LAM.) EXCELL. (= *Gymnosporia senegalensis* [LAM.] LOES. = G. *buxifolia* [L.] SZYSZ., and = *G. maranguensis* LOES.), 17 Aug. 1966, C–G–K, TRTC 66.1663; Mt. Kilimanjaro, Marangu Hotel, 15 Aug. 1966, C–G–K, TRTC 66.1606.

The Tanzanian specimens are parasitic on the mycelium of *Prillieuxina dissiliens* (SYD.) von ARX.

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EBENACEAE

16. *Botryosphaeria quercuum* (SCHWEINITZ) SACCARDO, Sylloge Fungorum 1: 456. 1882.

Specimen examined: TANZANIA: Ngurdota Crater, on *Diospyros abyssinicus* (HIERN.) F. WHITE, 10 Aug. 1966, C–G–K, TRTC 66.1574.

Most of the ascospores in this material are fairly young.

17. *Nectria* sp.

Specimen examined: TANZANIA: Ngurdota Crater, on *Diospyros abyssinicus* (Hiern.) F. White, 10 Aug. 1966, C–G–K, TRTC 66.1574 b.

Most of the perithecia examined are immature.

EUPHORBIACEAE

18. *Englerula macarangae* P. HENN., Engler Bot. Jahrb. 34: 49. 1905.

Syn.: *Oothecium macarangae* PETR., Annls. Mycol. 26: 390. 1928. Conidial state: *Capnodiastrum macarangae* (PETR.) PETR., Sydowia 6: 341. 1952.

Specimen examined: TANZANIA: Mt. Kilimanjaro, N of Lyamungu, on leaves of *Macaranga capensis* (BAILL.) SIM., 11 Aug. 1966, C–G–K, TRTC 66.1582.

Phaeodimeriella echinulospora HANSF. is also found on the same leaves and it is not clear whether or not their association is of a parasitic nature.

19. *Phaeodimeriella echinulospora* HANSF., Proc. Linn. Soc. Lond. 157: 24. 1945.

Specimen examined: TANZANIA: Mt. Kilimanjaro, N of Lyamangu, on mycelium of *Englerula macarangae*. P. Henn. growing on *Macaranga capensis* (BAILL.) SIM., 11 Aug. 1966, C–G–K, TRTC 66.1582 b.

Occasional spores with 0 or 3 septa, reported by HANSFORD (1946) were not seen. The conidial state was absent.

20. *Scolecopeltidium bakeri* (H. & P. SYD.) STEVENS & MANTER, Bot. Gaz. 79: 282. 1925.

Syn.: *Scolecopeltis bakeri* H. & P. SYD., Annls. Mycol. 15: 232. 1917.
Micropeltis bakeri (SYD.) CASH & WATSON, Mycol. 47: 731–732. 1955.

Specimen examined: UGANDA: Impanga Forest, SW of Kampala, on *Euphorbia teke* 29 July 1966, C–G–K, TRTC 66.887.

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FLACOURTIACEAE

21. *Asterina africana* (van der BIJL.) DOIDGE var. *kiggelariae* DOIDGE, Bothalia 1: 204. 1924.

Syn.: *A. celtidicola* P. HENN. var. *microspora* DOIDGE

Specimens examined: SOUTH AFRICA: Stella Bush, DURBAN, on *Oncoba Kraussina*, 7 April 1918, BOTTOMLEY, PRE 11382 (TRTC). – TANZANIA: Mt. Kilimanjaro, Naro Moru Track, Loitokitok, on *Kiggelaria africana* L., 16 Aug. 1966, C–G–K, TRTC 66.1631.

The specimen is heavily parasitized by a species of *Phaeodimeriella*.

GRAMINEAE

22. *Didymella glacialis* REHM, Hedwigia 21: 121. 1882.

Specimen examined: KENYA: Aberdare Mts., Kerita, on *Cynodon dactylon* (L.) P. HENN., 5 July 1966, C–G–K, TRTC 66.43.

23. *Phaeosphaeria insignis* (Karst.) L. Holm, Symb. Bot. Ups. XIV: 3, p. 120. 1957.

Syn.: *Leptosphaeria insignis* KARST., 1872

Specimens examined: UGANDA: Ruwenzori Mts., Lake Bujuku, Bujuku Hut, on leaves of *Deschampsia caespitosa* (LINN.) P. BEAUV., 22 July 1966, C–G–K, TRTC 66.1156.

CONGO: On culms of *Festuca abyssinica* HOCHST. ex A. RICH., Ruwenzori Mts., Stulman Pass, 24 July 1966, C–G–K, TRTC 66.1157.

This specimen has ascospores with narrower width and perithecia that are larger than the type. A distinct gelatinous sheath enclosing the ascospore was observed.

Some of the ascospores are up to 6 – septate. Gelatinous sheaths were not observed.

24. *Phyllachora cynodontis* (SACC.) NIESSL, Verh. Naturl. Ver. Brünn 14: 214, 1876.

Syn.: *P. graminis* (PERS. ex FRIES) FCKL. var. *cynodontis* SACC., Syll. Fung. 2: 602. (1883) fide THEISS. et SYD. (1915).
Physalospora cynodontis var. *chloridis* P. HENN., Pilze Ostafr. 34, 1893.
P. boutelouae REHM, Hedwigia 36: 355, 1897.
P. serialis ELL. & EV., J. Mycol. 8: 18. 1902.
P. boutelouicola SPEG., An. Mus. nac. Hist. nat. B. Aires 19: 415. 1909.
P. chloridicola SPEG., An. Mus. nac. Hist. nat. B. Aires 19: 416. 1909.
P. minima CHARD., J. Dep. Agric. P. Rico 16: 174. 1932.

Specimens examined: CHINA: On *Cynodon* sp., Lanchi, Chekiang, 16 Dec. 1933, DENG 562; Amoy, Fukien, 30 July 1933, TENG 2206; Ta Tseh Shan, Tung Hsien, 11 Aug. 1933, CHEO 2443. –

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All in the Cryptogamic herbarium of the University of Toronto. – KENYA: on *Cynodon dactylon* (L.) PERS., Aberdare Mts., Kerita, 5 July 1966, C–G–K, TRTC 66.43.

25. *Phyllachora ischaemi* SYD., Annls Mycol. 13: 40. 1915.

Syn.: *P. assimilis* THEISS. & SYD., Annls Mycol. 13: 439. 1915.
P. athisteriicola SYD., Bothalia 1: 219. 1924.
P. chrysopogonis SYD., Bothalia 1: 219. 1924.
P. doidgeae SYD., Bothalia 1: 220. 1924.
P. reducta von HÖHNEL, Mitt. Bot. Inst. Tech. Hochsch. Wien 9: 6. 1932.
P. liebenbergii HANSF., Proc. Linn. Soc. London, 153rd Sess. 41. 1941.
P. bottomleyae DOIDGE, Bothalia 4: 425. 1942.
P. schyzachnyii DOIDGE, Bothalia 4: 426. 1942.
P. andropogonis – micranthi SAW., Rep. Govt. Res. Inst. Dept. Agric. Formosa No. 87: 11. 1944.
P. heteropogonis SAW., Rep. Govt. Res. Inst. Dept. Agric. Formosa No. 87: 16. 1944.
P. microstegii SAW., Rep. Govt. Res. Inst. Dept. Agric. Formosa No. 87: 17. 1944.
P. miscanthicola SAW., Bull. Govt. Forest Exp. Stn. Meguro No. 53: 153. 1952.
P. andropogonis – aciculatis SAW., Publs. Coll. Agric. Nat Taiwan Univ. No. 8: 55. 1959.

This species belongs to the *Phyllachora fallax* complex, group of fungi which are common on members of the Andropogoneae and which produce ascospores with a constricted girth. Fungi belonging to this complex may be described as follows: Asci briefly stipitate, paraphysate. Ascospores monostichous, less commonly distichous, oval to ovoid, occasionally ellipsoid, some with a median constriction, 10–22 × 5–10 µm.

Specimen examined: UGANDA: Impanga Forest, SW of Kampala, on *Hyparrhenia cymbaria* (L.) STAPF, 29 July 1966, C–G–K, TRTC 66.882.

26. *Phyllachora minutissima* (WELW. & CURR.) A. L. SMITH, J. Bot., Lond. 36: 179. 1898.

Syn.: *Isothea minutissima* WELW. & CURR., Trans. Linn. Soc. Lond. 26: 285. 1868.
Phyllachora apiculata SPEG., F. Argent., No. 657. 1880.
P. bonariensis SPEG., F. Argent. 1: 185. 1880.
P. cornispora ATK., Bull. Cornell Univ. No. 3: 11. 1897.
P. bokensis P. HENN., Annls. Mus. Hist. Nat. Congo Belge 2: 226. 1907.
P. penniseti SYD., Annls. Mycol. 13: 39. 1915.
P. chaetochloae STEV., Illinois Biol. Monogr. *8:* 19. 1923.
P. transvaalensis DOIDGE, Bothalia *4* (2), 436. 1942.

Specimens examined: KENYA: on *Pennisetum clandestinum* CHIOV., Aberdare Mt., Kerita, 5 July 1966, C–G–K, TRTC 66.41;

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Aberdare Mts., Kamae, 6 July 1966, C–G–K, TRTC 66.152; Aberdare Mts., Kimale, 6 July 1966, C–G–K, TRTC 66.206; Mt. Kenya, Hombe, 12 July 1966, C–G–K, TRTC 66.477. – UGANDA: on *P. purpureum* SCHUM., Nakasongola, N of Kampala, 30 July 1966, C–G–K, TRTC 66.181.

Asci and ascospores in TRTC 66.41 are narrower and shorter respectively than those described for the type. This is the first record of this fungus on *P. clandestinum*.

27. *Phyllachora paspalicola* P. HENN., Hedwigia 48: 106. 1908.

Syn.: *P. winkleri* SYD., Annls Mycol. 10: 80. 1912.
P. exigua THEISS. & SYD., Annls Mycol. 13: 449. 1915.
P. ophiuri SYD., Annls Mycol. 15: 227. 1917.
P. digitariae SYD., Bothalia 1: 220. 1924.
P. parilis SYD., Annls Mycol. 25: 3. 1927.
P. insularis CHARD., J. Dept. Agric. P. Rico 8: 13. 1929.
P. vaginata CHARD., J. Dept. Agric. P. Rico 16: 172. 1932.
P. paramo-nigra CHARD., P. Rico Univ. Rio Pedras Monogr. Ser. B 2: 164. 1934.
P. chardonii ORT., Mycologia 36: 33. 1944.
P. wilsonii ORT., Mycologia 36: 34. 1944.

Specimen examined: TANZANIA: on *Digitaria velutina* (FORSK.) BEAUV., Mt. Kilimanjaro, N-side, W of Loitokitok, 17 Aug. 1966, C–G–K, TRTC 66.1647.

28. *Phyllachora setariaecola* SPEG., F. Guar. 1, No. 279, in Sylloge Fung., 9: 1026, 1891.

Syn.: *P. cordobensis* REHM, Hedwigia 39: 374. 1879.
P. pazschkeana SYD., Bull. Herb. Boissier 80. 1901.
P. heterospora P. HENN., apud De WILDMAN, Mission E. Laurent, fasc. 4: 362. 1907.
P. oplismeni SYD., Annls Mycol. 5: 339. 1907, non fide Orton (1944).
P. evansii SYD., Annls Mycol. 10: 40. 1912.
P. congruens REHM, Leafl. Philipp. Bot. 6: 2220. 1914.
P. panici-sulcata (P. HENN.) THEISS. & SYD., Annls Mycol. 13: 453. 1915.
P. graminis (PERS. ex FRIES) FCKL. var. *panici-sulcata* P. HENN., Hedwigia 41: 103. 1902.
P. raciborskii THEISS & SYD., Annls. 13: 453. 1915.
P. sanguinolenta THEISS. & SYD., Annls. Mycol. 13: 455. 1915.
P. sanguinolenta var. *microspora* THEISS. & SYD., Annls Mycol. 13: 455. 1915.
P. seriata THEISS. & SYD., Annls Mycol. 13: 453. 1915.
P. striatula THEISS. & SYD., Annls Mycol. 13: 440. 1915.
P. vanderystii THEISS. & SYD., Annls Mycol. 13: 455. 1915.
P. melinicola SYD., Annls Mycol. 22: 429. 1924.
P. oplismeni-compositi SAW., Rep. Govt. Res. Inst. Formosa No. 87: 18. 1944.
P. oplismeni SYD., var. *major* BATISTA, Revtabiol. Lisb. 1: 310. 1958.

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Specimens examined: UGANDA: on *Panicum maximum* JACQ., E of Masindi, River Kafu, 30 July 1966, C–G–K, TRTC 66.1185. – KENYA: on *Setaria sphacelata* STAPF & C. E. HUBB., Aberdare Mts., Kamae, 6 July 1966, C–G–K, TRTC 66.161; on *S. plicatilis* (HOCHST.) ENGL., Muguga, 5 Aug. 1966, C–G–K, TRTC 66.913.

LAURACEAE

29. *Trichodothis ocoteae* HANSF., Proc. Linn. Soc. Lond. 58: 29. 1947.

Specimens examined: TANZANIA: Mt. Kilimanjaro, N of Lyamungu, on *O. asambarensis*, 11 Aug. 1966, C–G–K, TRTC 66.1595 and 66.1589. – ZAIRE: on *O. usambarensis*, HENDRICKX 2484, IMI 39080.

LEGUMINOSAE

30. *Phyllachora millettiae* P. HENN., Engl. Bot. Jahrb. 28: 326. 1900.

Specimen examined: KENYA: W of Kwale, on *Millettia* sp., 26 Aug. 1966, C–G–K, TRTC 66.2103.

MALVACEAE

31. *Irenopsis molleriana* (WINT.) STEV., Annls Mycol. 25: 437. 1927.

Syn.: *Meliola molleriana* WINT., Hedwigia 25: 98. 1886.
Meliola (Irenina) procera CIFERRI, Annls Mycol. 36: 219. 1938.

Specimen examined: UGANDA: Jinja, on *Urena lobata* L., 1 Aug. 1966, C–G–K, TRTC 66.1198.

MORACEAE

32. *Phyllachora ficuum* NIESSL, Hedwigia 20: 99. 1881.

Syn.: *Trabutia ficuum* THEISS. & SYD., Annls Mycol. 13: 352. 1915.
Trabutia abyssinica THEISS. & SYD., Annls Mycol. 13: 349. 1915.
Trabutia amboniensis SYD., Phillipp. Journ. Sci., 21: 139. 1922.
Phyllachora banahaensis PETR., Annls Mycol. 27: 286. 1929.
Trabutia butleri THEISS. & SYD., Annls Mycol. 13: 354. 1915.
Phyllachora butleri PETR., Annls Mycol. 27: 386. 1929.
Trabutia elmeri THEISS. & SYD., Annls Mycol. 13: 352. 1915.
Trabutia evansii THEISS. & SYD., Annls Mycol. 13: 352. 1915.
Phyllachora fici-heterophyllae PETR., Annls Mycol. 27: 386. 1929.
Phyllachora howardiana PETR., Annls Mycol. 27: 386. 1929.
Phyllachora incrustans PETR., Annls Mycol. 27: 386. 1929.
Phyllachora nervisequens PETR., Annls Mycol. 27: 386. 1929.
Phyllachora novoguineensis PETR., Annls Mycol. 27: 386. 1929.
Trabutia incrustans RAC. ap. THEISS. & SYD., Annls Mycol. 13: 355. 1915.
Auerswaldia microthyrioides P. HENN., Hedwigia 43: 142. 1904.
Trabutiella microthyrioides THEISS. & SYD., Annls Mycol. 13: 359. 1915.
Trabutia nervisequens THEISS. & SYD., Annls Mycol. 13: 353. 1915.
Trabutia novoguineensis THEISS. & SYD., Annls Mycol. 13: 354. 1915.
Trabutia nerviciosa THEISS. & SYD., Annls Mycol. 13: 253. 1915.

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Specimens examined: KENYA: Muguga, on *Ficus* sp., 5 Aug. 1966, C–G–K, TRTC 66.907. – UGANDA: Fort Portal, on *Ficus* sp., 18 July 1966, C–G–K, TRTC 66.1545. – SOUTH AFRICA: Transvaal, Tzancen, Letaba Citrus Estate, on *Ficus capraefolia* DEL., 19 April 1960, SCHUEPP, ZT 33992.

The stroma of the Kenyan specimen forms a large, solitary colony on the secondary vein of the host leaf. Mostly, one or two of these colonies are present on a leaf.

OCHNACEAE

33. *Phyllachora microstegia* SYD., Annls Mycol. 22: 430. 1923.

Specimens examined: TANZANIA: Mt. Kilimanjaro, Naro Moru Track, Loitokitok, on *Ochna holstii* ENGL., 15 Aug. 1966, C–G–K, TRTC 66.1629 a; Usambara Mts., Shume Forest, Magamba, 13 Aug. 1966, C–G–K, TRTC 66.1598.

OLEACEAE

34. *Englerodothis kilimandscharica* (P. HENN.) THEISS. & SYD., Annls Mycol. 13: 285. 1915.

Syn.: *Cocconia kilimandscharica* P. HENN. ap. A. ENGLER, Die Pflanzenwelt Ostafrikas und der Nachbargebiete, Berlin, C. p. 31, 1895.

Specimen examined: TANZANIA: Ngurdoto National Park, on *Olea wellwitchii* (KNOBL.) GILG. & SCHELLENB., 8 July 1966, GRIFFIN, TRTC 66.314.

35. *Asterodothis solaris* (KALCH. & COOKE) THEISS., Annls Mycol. 10: 179. 1912.

Syn.: *Asterina solaris* KALCH. & COOKE, Grevillea 9: 33. 1880.

Specimen examined: TANZANIA: Ngurdota Crater, on *Olea africana* LAMARK, 10 Aug. 1966, C–G–K, TRTC 66.1573.

PAPILIONACEAE

36. *Phyllachora desmodii* P. HENN., Engl. Jahrb., 17: 34. 1893.

Specimens examined: TANZANIA: Ngurdota Crater, on *Desmodium repandum* (VAHL.) DC., 10 Aug. 1966, C–G–K, TRTC 66.1575; Mt. Kilimanjaro, N-side, W of Loitokitok, 17 Aug. 1966, C–G–K, TRTC 66.1667.

PODOCARPACEAE

37. *Corynelia uberata* ACH. ex FRIES, Systema Mycologicum 2: 535. 1822.

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Syn.: (?*Mucor clavatus* L., Species Plantarum Suppl. 453, 1781)
(?*Lichen (Calicium) helopherus* ACH., Lichenographiae Svecicae Prodromus 86, 1798)
?*Sphaeria turbinata* PERS., Synopsis Methodica Fungorum 95. 1801.
?*Corynelia clavata* (L.) SACC. in PIROTTA, Osservazioni sopra alcuni funghi, Nuovo Giornale Botanico Italiano 21: 312–317. 1889.

Specimens examined: KENYA: Mt. Kenya, Castle, on *Podocarpus* sp. 11 July 1966, C–G–K, TRTC 66.373; Aberdare Mts., Kerita, on *Podocarpus milangianus* RENDLE, 5 July 1966, C–G–K, TRTC 66.1662.

38. *Leptosphaeria protearum* SYD., Annls Mycol. 10: 441–442. 1912.

Specimen examined: KENYA: Mt. Kenya, Timau Track, on leaves of *Protea kilimandscharica* ENGL., 16 July 1966, C–G–K, TRTC 66.629.

The Kenya specimen has larger perithecia and ascospore than those previously described for this species.

ROSACEAE

39. *Coleroa hageniae* (CASTELLANI) EBOH & CAIN, comb. nov.

Bas.: *Stigmatea Hageniae* CASTELLANI, Nuovo Giorn. Bot. Ital. Vol. IIII, no. 1–2, p. 215. 1946.

Specimen examined: KENYA: Aberdare Mts., S of Kinangop, on *Hagenia abyssinica,* 8 July 1966, C–G–K, TRTC 66.263.

MÜLLER & von ARX (1962) transferred species of *Stigmatea,* whose ascocarps arise from subcuticular layer, to *Coleroa.* Ascostromata of Kenyan species are smaller in diameter.

RUBIACEAE

40. *Balladyna magna* EBOH & CAIN, Can. J. Bot. 51: 61–64. 1973.

Specimen examined: KENYA: Shimba Hills, on *Paramacrolobium coeruleum* (TAUB.) J. LEONARD, 24 Aug. 1966, C–G–K, TRTC 66.2081 (type).

41. *Meliola africana* HANSF., Sydowia 10: 62. 1957.

Specimen examined: KENYA: Shimba Hills, on *Chassalia umbriticola* VATKE, 24 Aug. 1966, C–G–K, TRTC 66.2079.

This specimen is heavily hyperparasitized by two unidentified ascomycetes.

SALVADORACEAE

42. *Protothyrium salvadorae* (COOKE) ARN., Les Asterinees 1: 101. 1918.

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Syn.: *Phyllachora salvadorae* COOKE, Grevillea 13: 65. 1885.
Dothidella salvadorae (COOKE) BERL. & VOGL., Syll. Fung. 9: 1037. 1891.
Rhagadolobium salvadorae (COOKE) THEISS. & SYD., Annls Mycol. 12: 227. 1914.
Polystomella salvadorae (COOKE) THEISS. & SYD., Annls Mycol. 13: 244. 1915.
Asterina confluens PAT., J. of Bot. 149. 1888.
Asterella confluens (PAT.) SACC., Syll. Fung. 9: 397. 1891.
Polystomella confluens (PAT.) THEISS., Annls Mycol. 10: 7. 1912.
Polyclypeolum salvadorae RAMAKR., Proc. Ind. Ac. Sci., B. 37: 119. 1954.

Specimen examined: TANZANIA: 30 miles n of Arusha, S of Longido, on *Salvadora persica* L., 9 Aug. 1966, C–G–K, TRTC 66.1555.

SAMYDACEAE

43. *Asteridiella casearíae* HANSF., Sydowia 10: 47. 1957.

Syn.: *Irenina casearíae* HANSF., Proc. Linn. Soc. Lond. 156: 104. 1944.
Meliola duplicata CIF., Mycopath. 7: 88. 1954.

Specimen examined: TANZANIA: Ngurdota Crater, on *Casearia engleri* GILG., 10 Aug. 1966, C–G–K, TRTC 66.1561.
The Tanzanian specimen has larger perithecia.

SAPINDACEAE

44. *Meliola furcillata* DOIDGE, Trans. Roy. Soc. South Africa 5: 736. 1917.

incl. *Meliola nephelii* SACC. var. *major* HANSF., Journ. Linn. Soc. London 51: 278, 1937.

Specimen: KENYA: Shimba Hills, on *Allophylus pervillei* BLUM., 24 Aug. 1966, C–G–K, TRTC 66.2089.

45. *Meliola doidgeae* SYD., Bothalia 2: 457. 1928.

Specimen examined: KENYA: W. of Kwale, on *Deinbollia borbonica* SCHEFF., 26 Aug. 1966, C–G–K, TRTC 66.2105.

SOLANACEAE

46. *Asteridiella henningsii* (BEELI) HANSF., Sydowia 10: 48. 1957.

Syn.: *Meliola solanicola* P. HENN., Engl. Bot. Jahrb. 28: 326. 1901. (non GAILLARD).
Meliola henningsii BEELI, Bull. Jard. Bot. Brux. 7: 100. 1920.
Irene henningsii (BEELI) HANSF., Sydowia 9: 56. 1955.
Irenina solanicola (P. HENN.) STEV., Annls Mycol. 25: 453. 1927.

Specimen examined: KENYA: Aberdare Mts., Kamae, on leaves and Petioles of *Solanum aculeatissimum* JACQ., July 6, 1966, C–G–K, TRTC 66.182.

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47. *Episphaerella densa* SYD., Annls Mycol. 37: 347. 1939.

Specimen examined: UGANDA: Ruwenzori Mts., Nyamaleju Hut, on leaves of *Discopodium penninervium* HOECHST., 20 July 1966, C–G–K, TRTC 66.1141.

VERBENACEAE

48. *Venturia stevensii* (SYD.) MÜLLER, Beitr. Krypt. Flora Schweiz. 11: 411. 1962.

Syn.: *Phasya stevensii* SYD., Annls Mycol. 32: 293. 1934.

Specimen examined: TANZANI: Ngurdota Crater, on *Clerodendron johnstonii* Oliv., 10 Aug. 1966, C–G–K, TRTC 66.1559.

The specimen studied has narrower asci and smaller ascospores than those given in the published description of *V. stevensii*. No specimen of the latter was available for examination.

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