

Checklist of the species of the genus *Hypena* SCHRANK, 1802 of the Ethiopian Region and Madagascar (Lepidoptera: Noctuidae: Hypeninae).

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Abstract

A checklist of all hitherto known species of the genus *Hypena* SCHRANK, 1802 of the Ethiopian Region and Madagascar is presented. The original description is cited and the distribution is added to each species. A map is given showing the dispersal of the species numbers on the African continent and Madagascar.

Zusammenfassung

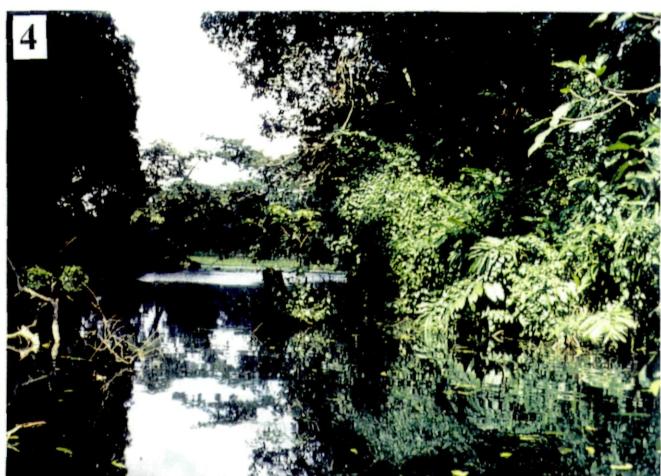
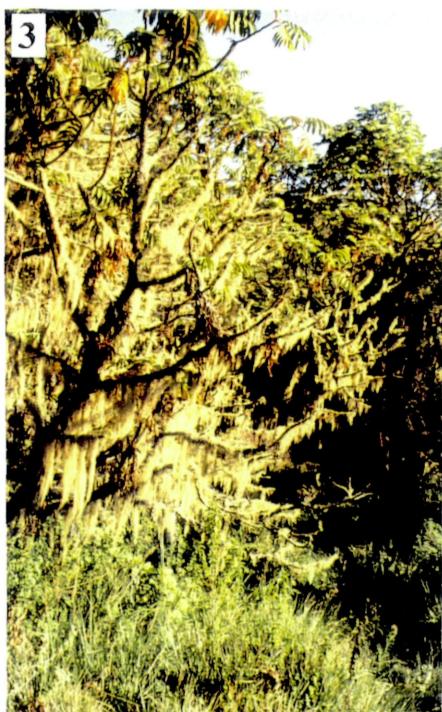
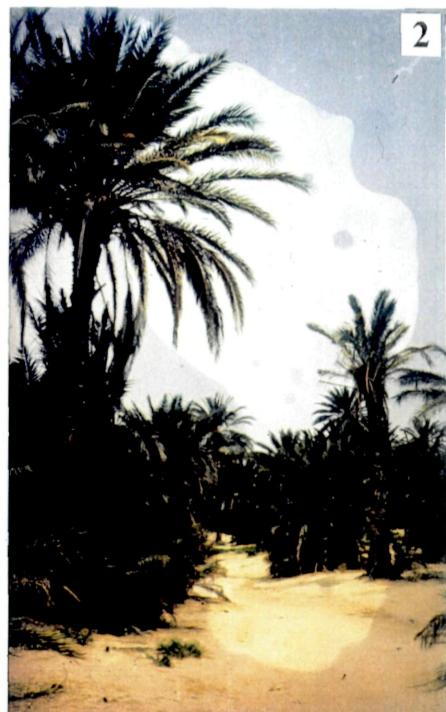
Eine Checkliste aller bisher beschriebener Arten der Gattung *Hypena* SCHRANK, 1802 wird vorgelegt. Die Originalbeschreibung wird bei jeder Art zitiert, die Verbreitung kurz umrissen. Eine Karte zeigt die Verteilung der Artenzahlen am afrikanischen Kontinent und auf Madagaskar.

Keywords: Africa, checklist, Ethiopian Region, *Hypena*, Hypeninae, Madagascar, taxonomy.

Introduction

Since 1993 a lot of papers have been published by the author dealing with the genus *Hypena* SCHRANK, 1802 and its nearest relatives. The revision of the genus was published in two parts (LÖDL 1994h, 1995i). Papers of general importance and notes on the synonymy are LÖDL (1993a, 1993b, 1994c). On the base of LÖDL (1993b and 1994c) the genus *Dichromia* GUENÉE, 1854 was split off the genus *Hypena*. Revisionary work on the closest relatives of the genus *Hypena* has been started. The genera *Harita* MOORE, 1882 (LÖDL 1996e), *Xoria* NYE, 1975 (LÖDL 1997a) and *Ricla* WALKER, 1869 (LÖDL 1997b, 1997d) are under investigation.

The following checklist gives a survey of all hitherto known species of *Hypena* in the Ethiopian Region and Madagascar. All original descriptions are cited and notes on further literature are



Figs. 1-5 Habitats of African *Hypena* species:

Fig. 1: S.Tunisia, Medenine, wadi. **Fig. 2:** S. Tunisia, Mareth, palm tree plantation.- Very poor fauna, just containing *H. obsitalis* and *H. lividalis*. **Fig. 3:** Subalpine zone of Mt. Meru, Tanzania. **Fig. 4:** Rainforest on Mt. Meru, Tanzania. Habitat for numerous *Hypena* species, like *H. evamariae*, *H. mariachristinae*, *H. arenbergeri*. **Fig. 5:** Ngorongoro Crater, Tanzania. Photos: M. Lödl.

given. The distribution of each species is sketched briefly. The species are grouped according to their proposed relationships.

Illustrations of some African habitats are given (Figs. 1-13) and a map (Fig. 14) shows the dispersal of the species numbers on the African continent and Madagascar.

Genus *Hypena* SCHRANK, 1802

Anespischetos SMITH, 1900

Anephischetos missp.

Apanda MOORE, 1882

Badausa WALKER, [1863] 1864

Bomolocha HÜBNER, [1825] 1816

Erchila missp.

Erichila BILLBERG, 1820

Euhypena GROTE, 1873

Herpyzon HÜBNER, 1822

Lomanaltes GROTE, 1873

Macrhypena GROTE, 1873

Mathura MOORE, 1882

Megahypena missp.

Meghypena GROTE, 1873

Nesamiptis MEYRICK, 1899

Obesypena BECK, 1996 **nom.nud.**

Ophiuche HÜBNER, [1825] 1816

Peliala WALKER, 1865

Plathypena GROTE, 1873

Rostryptena BECK, 1996 **nom.nud.**

Trichypena JOANNIS, 1915 (vide Lödl 1994h)

Subgenus *Hypena* SCHRANK, 1802

***H. obsitalis*-Group:**

***obsitalis* (HÜBNER, 1813) [Pyralis]:** pl.25, figs. 164, 165, 179.- Southern Europe and Canary Islands to Sokotra and Ethiopia.

***vulgatalis* WALKER, [1859] 1858:** 82. Status revised in LÖDL (1994h).- South Africa.

***palpitralis* WALKER, [1859] 1858:** 82. Vide LÖDL (1994h).

***striolalis* AURIVILLIUS, 1910:** 37, pl.2, fig. 7.- East Africa to South Africa. Very rare in West Africa.

***reticulata* BETHUNE-BAKER, 1911:** 539.- Vide FLETCHER (1963).

***saltalis* SCHAUß in SCHAUß & CLEMENTS, 1893:** 40, pl.3, fig. 14.- Sierra Leone, Ghana (?).

raiedi LÖDL, 1994h: 410, figs. 45, 53, 59.- Guinea.

frappieralis GUENÉE, 1862: 56.- Réunion.

muscosoides POOLE, 1989: 528 (replacement name).- Maurice.

muscosa JOANNIS, 1932 (nec DRUCE, 1890): 436 (homonymy).

turlini GOSSERIES, 1989: 5. Vide LÖDL (1994h).

senialis GUENÉE, 1854: 30. Status revised by LÖDL (1994h).- Congo [Zaire] and East Africa to South Africa.

potamistis HAMPSON, 1902: 431. Vide LÖDL (1994h).

H. polycyma-Group:

polycyma HAMPSON, 1902: 429.- East Africa to South Africa, Madagascar and Comoro Islands.

commixtalis ZELLER, 1852: 8. nom.dub.- South Africa (Natal).

binae LÖDL, 1996c: 95, figs. 1-10.- Uganda, Tanzania, Malawi.

cherylae LÖDL, 1995i: 265, figs. 9, 10, 14, 15, 21, 121, 122, 260, 261, 391, 495.- South Africa (Natal).

cherylae LÖDL, 1995d: 144, figs. 1-4.

evamariae LÖDL, 1994a: 105, figs. 1-6.- Tanzania.

mariachristinae marachristinae LÖDL, 1995a: 17, figs. 1-8, 15, 16.- Tanzania.

mariachristinae biocensis LÖDL, 1995i: 262, figs. 3, 4, 8, 12, 126, 259, 496.- Bioco [Fernando Po].

padelekorum LÖDL, 1995f: 308, figs. 1-8.- Ethiopia.

phricocyma phricocyma FLETCHER, 1961: 239, figs. 61, 62, 110, 112.- Cameroons to Sudan and Tanzania.

phricocyma melanolivida LÖDL, 1995i: 273, figs. 29, 30, 32, 36, 39, 140, 275, 500.- Bioco [Fernando Po].

arenbergeri LÖDL, 1994h: 424, figs. 70, 79, 99.- Tanzania.

grandecomorensis LÖDL, 1994h: 430, figs. 93, 98, 102, 103, 106, 107.- Comoro Islands.

ovalimacula LÖDL, 1995e: 245, figs. 1-5.- Sao Thomé.

H. varialis-Group:

varialis WALKER, [1866] 1865: 1136.- Tropical Africa to South Africa, Madagascar, Comoro Islands and Maurice.

contortalis MABILLE, 1880: xx. Vide LÖDL (1994h).

kallipygae LÖDL, 1994h: 421, figs. 73, 78, 84-87.- Kenya and Tanzania.

viridifascia FLETCHER, 1963: 114, fig. 25.- Congo [Zaire] and Cameroons.

H. recurvata-Group:

recurvata HAMPSON, 1909: 116, pl. 4, fig. 27.- Congo [Zaire] to Malawi. Species of high altitudes.

aridoxa FLETCHER, 1961: 240, figs. 64, 65.- Uganda (Ruwenzori Range), Cameroons (?). Species of very high altitudes.

H. obacerralis-Group:

obacerralis WALKER, [1859] 1858: 53. Vide LÖDL (1994b, 1994h).- Saudi Arabia, very common throughout the Ethiopian region and Madagascar, Seychelle Islands, Comoro Islands, Maurice and moderately common in the Oriental tropics.

obacervalis WALKER misspelling in SCHAUS & CLEMENTS (1893: 40).

obaceralis WALKER misspelling in MOORE (1884: 229).

longipalpalis GUENÉE, 1862: 57.

ferriscitalis WALKER, [1866] 1865: 1142.

comes BUTLER, 1882: 233.

sordida ROTHSCHILD, 1921: 169.

ophiusinalis MABILLE, 1879: 142.- Madagascar and Comoro Islands.

H. albirhomboidea-Group ("Weak wings" of high montane regions):

albirhomboidea A.E.PROUT, 1921: 132, pl. 17, fig. 14.- Congo [Zaire] to Kenya.

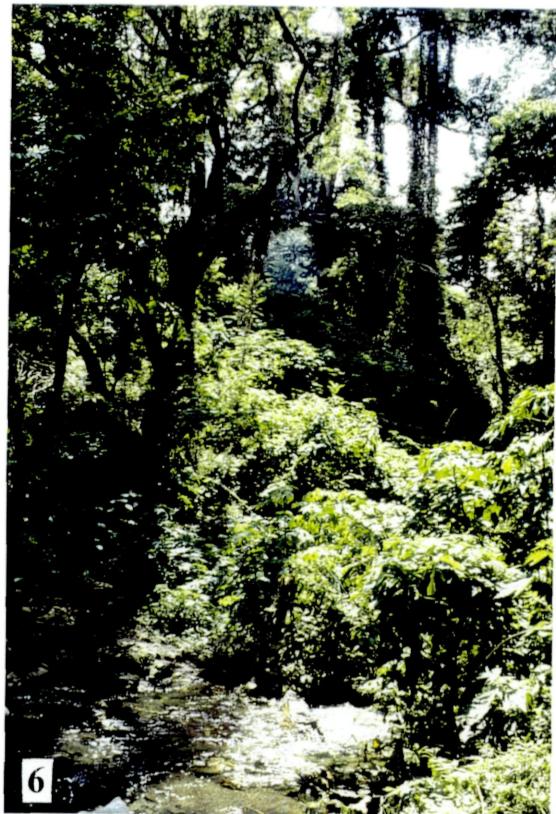
scotina FLETCHER, 1961: 242, figs. 66, 67, 109.- Uganda (Ruwenzori Range).

porphyrophaes FLETCHER, 1961: 241, figs. 73, 115.- Kenya. Species of altitudes of more than 3000 m.

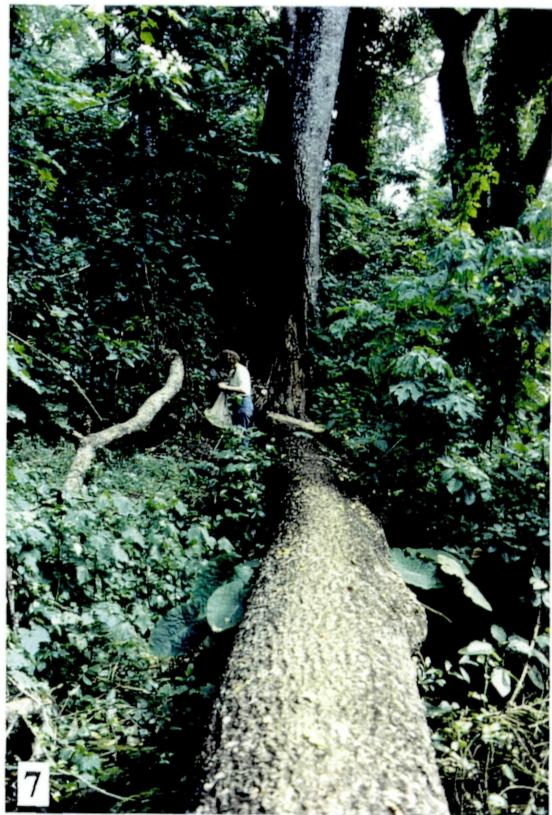
euprepes FLETCHER, 1961: 240, fig. 63.- Congo [Zaire] and Uganda.

reginae LÖDL, 1995c: 53, figs. 1-3, 6.- Congo [Zaire] (Lake Tanganyika).

martinae LÖDL, 1993c: 453, figs. 1-5.- Cameroons to Tanzania.



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Figs. 6-8 Habitats of African *Hypena* species:

Fig. 6: Tanzania, Mt. Meru, rainforest near Ngaresero Lodge. Habitat of *Hypena evamariae*, *H. mariachristinae mariachristinae*, *H. arenbergeri* and *H. kallipygae* (Photo M. Lödl).

Fig. 7: dto.- The wife of the author, Eva Maria Lödl, collecting diurnal insects (Photo M. Lödl).

Fig. 8: dto.- The author at one of the most successful collecting sites (Photo E.M. Lödl).

Subgenus *Trichypena* JOANNIS, 1915

H. gravalis-Group:

gravalis MABILLE, 1897: 225.- Maurice.

quadra (JOANNIS, 1915) [*Trichypena*]: 6, pl. 1, fig. 4. Vide LÖDL (1994h).

hemiphaea JOANNIS, 1915: 7, pl. 1, fig. 7. Vide LÖDL (1994h).

toyi VIETTE, 1968: 19, fig. 11.- Madagascar.

cowani VIETTE, 1968: 17, fig. 8.- Madagascar.

griveaudi VIETTE, 1968: 17, fig. 10.- Madagascar, Comoro Islands (?).

poliopera BETHUNE-BAKER, 1909: 434.- Equatorial Africa.

ituriensis A.E.PROUT, 1921: 134, pl. 17, fig. 17. Vide LÖDL (1994h).

reichli LÖDL, 1998e: in press.- Equatorial Africa.

H. fuscomaculalis-Group:

fuscomaculalis SAALMÜLLER, 1880: 288. Vide LÖDL (1996a, 1997d).- Madagascar and South Africa.

Hypena fuscomaculalis SAALMÜLLER 1880: 289. Junior homonym.

Hypena fuscomaculalis SAALMÜLLER 1891: 484. Junior homonym.

Hypena fuscinalis SAALMÜLLER 1891: 484 (and junior homonym of [*Hypena*] *fuscinalis* SAALMÜLLER 1880: 289 [corr. 340])

Hypena fuscinalis SAALMÜLLER, 1891 sensu LÖDL (1994h: 480, 1995i: 285, 1996a: 197).

kratochvili LÖDL, 1995i: 285, figs. 41, 54, 55, 66, 67, 69, 85, 87, 160, 297, 298, 429-432, 513.- Ghana.

leopardina LÖDL, 1996b: 103, figs. 1-8.- Bioco [Fernando Po].

chionosticha FLETCHER, 1961: 243, figs. 69, 111, 113.- West Africa (?), Uganda, Malawi.

schultzei AURIVILLIUS, 1925: 1325, fig. 79.- Sao Thomé, Cameroons to Tanzania.

kingdoni VIETTE, 1968: 16, fig. 9.- Madagascar.

directa FLETCHER, 1961: 243, figs. 70, 105, 106, 108.- Equatorial Africa including Bioco [Fernando Po].

malagasy (VIETTE, 1968) [*Sarmatia*]: 20, fig. 7.- Madagascar. Combined by LÖDL (1998c).

lisae LÖDL, 1996d: 461, figs. 1-14.- Congo [Zaire], Uganda.

H. eucrossa-Group:

eucrossa FLETCHER, 1961: 244, figs. 77, 107.- Congo (Zaire), Burundi, Uganda.

H. leucosticta-Group:

leucosticta BETHUNE-BAKER, 1909: 433.- Equatorial Africa including Bioco [Fernando Po].

monikae LÖDL, 1994i: 429, figs. 1-4, 7-8.- Bioco [Fernando Po].

Incertae sedis:

melanistis HAMPSON, 1902: 432.- South Africa (Transkei).

eugrapha FLETCHER, 1963: 116, figs. 24, 77.- Congo [Zaire] (Ruwenzori Range).

orthogramma BETHUNE-BAKER, 1909: 434.- Congo [Zaire].

erthogramma BETHUNE-BAKER, 1909 misspelling in LÖDL (1994h)

Subgenus *Op hicu che* HÜBNER, [1825] 1816

lividalis (HÜBNER, 1790) [*Phalaena*]: 86, pl.I/(IV), fig. E. Vide LÖDL (1994h).- Common in the South East Palaearctic Region, widespread in tropical Africa to South Africa and Madagascar. Also found in the Oriental, Nearctic and Neotropical Region.

diagonalis (FABRICIUS, 1794) [*Pyralis*]: 225. Vide LÖDL (1994h).

simplicalis ZELLER, 1852: 11. Vide LÖDL (1994h).

abjuralis WALKER, [1859] 1858: 68. Vide LÖDL (1994h).

scissalis WALKER, [1866] 1865: 1133. Vide LÖDL (1994h).

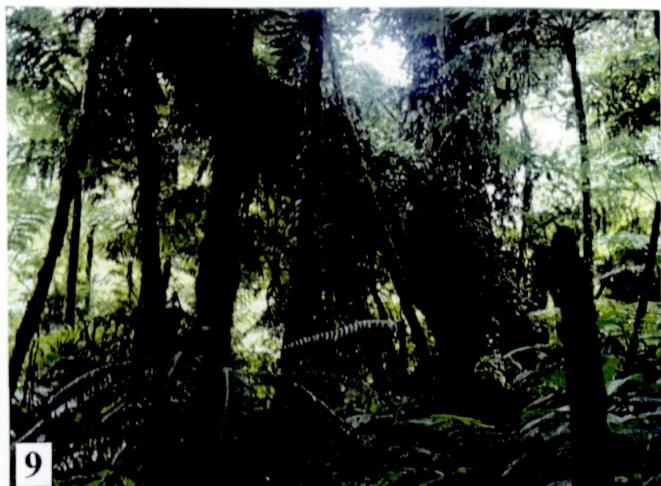
bipartita (SMITH, 1900) [*Anepischetos*]: 482. Vide LÖDL (1994h).

neoplyta A.E.PROUT, 1925: 218.- Equatorial Africa to South Africa, Madagascar and the Comoro Islands.

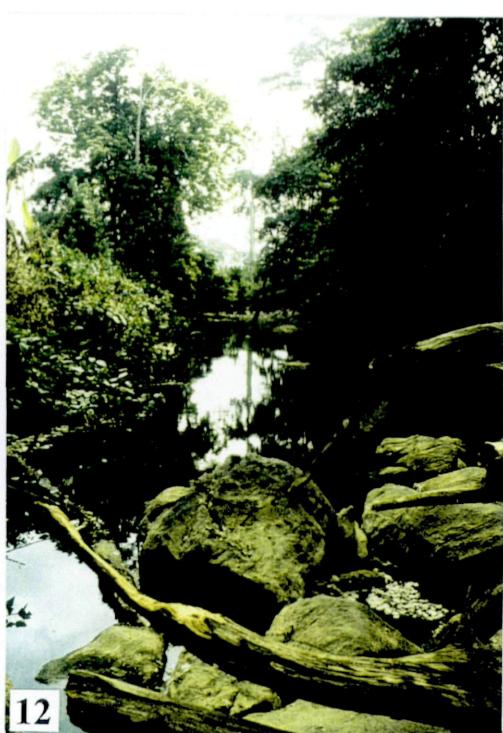
aequabilis A.E.PROUT, 1927: 231.

Subgenus *Tetrastictypena* LÖDL, 1994h

tetrasticta HAMPSON, 1910: 449, pl. 38, fig. 29.- East Africa to South Africa.



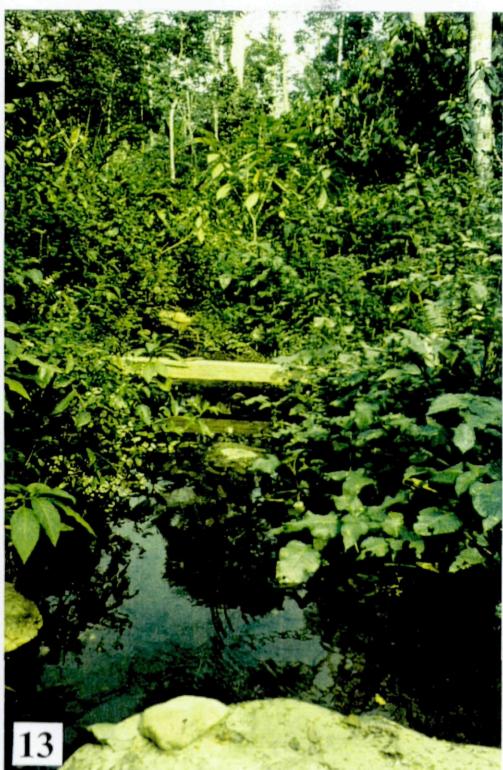
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Figs. 9-13 Habitats of African *Hypena* species:

Abb. 9: Guinea, Bioco, Gran Caldera Volcánica de Luba u Ose, cloudforest ,1700 m. Habitat of *Hypena phricocyma melanolivida* (Photo T. Karisch).- **Fig. 10:** dto. - cloudforest, 1200 m. Habitat of *Hypena mariachristinae biocensis* (Photo T. Karisch).- **Fig. 11:** Ghana, Densu-River near Koforidua. Habitat of *Hypena kratochvili* (Photo M. Lödl).- **Fig. 12:** dto.- **Fig. 13:** Ghana, Krensen-River, secondary forest and cocoa plantation (Photo M. Lödl).

Subgenus *Jussasalyppena* LÖDL, 1994h

ornata (AURIVILLIUS, 1925) [Pseudaglossa]: 1327, fig. 81.- Bioco [Fernando Po].
Nom.dub.

H. jussalis-Group:

jussalis WALKER, [1859] 1858.- Tropical Africa to South Africa and Madagascar.
juxtalis WALKER misspelling in PINHEY (1975: 203)

bonaberi STRAND, 1915: 164.- Cameroons.

bonatura misspelling ex collectiones.

albizona FLETCHER, 1961: 244, fig. 78, 309.- Uganda (Ruwenzori Range).

eleonorae LÖDL, 1995b: 141, figs. 1-6.- Kenya, Burundi.

variofuscocolorata LÖDL & GAAL, 1996a: 88, figs. 1-8.- Uganda, Kenya.

puncticosta A.E.PROUT, 1921: 217.- South Africa to Kenya, Comoro Islands. West Africa (?).
costipunctata GÄDE .nom. nud. ex collectiones (LÖDL 1994h: 538).

veronikae LÖDL, 1994f: 204, figs. 1-6.- Madagascar.

H. rudolfi-Group:

rudolfi LÖDL, 1994h: 545, figs. 324, 326, 327, 344, 349, 350.- Equatorial Africa. Seems to prefer higher altitudes.

josefinae LÖDL, 1995h: 416, figs. 1-7.- Malawi.

elfriedae LÖDL, 1994h: 527, figs. 298, 316, 317, 322, 337, 338.- Tanzania.

zyzzybae LÖDL, 1994h: 543, figs. 320, 323, 334.- Tanzania (Uzungwı Mts.).

H. verticalis-Group:

verticalis HAMPSON, 1910: 448, pl. 38, fig. 28.- Kenya, Angola, Zambia, Madagascar.

erikae LÖDL, 1994d: 161, figs. 1-6.- Madagascar.

paliscia (BETHUNE-BAKER, 1911) [Rhynchina]: 539.- Northern Nigeria and Congo [Zaire] (LÖDL 1998b). Combined by LÖDL (1993d).

H. abyssinialis-Group:

abyssinialis GUENÉE, 1854: 39, pl. 6, fig. 2.- Arabia. rare in west Africa, Central Africa and East Africa to South Africa, Madagascar and Oriental Region.

abyssinalis GUENÉE, 1854 misspelling in LÖDL (1994h, 1995i, 1995g)
ignotalis WALKER, [1859] 1858: 60. syn. ?

fumidalis ZELLER, 1852: 7.- South Africa (Natal). **nom.dub.**

laceratalis WALKER, [1859] 1858: 60.- Arabia and the entire African continent, Madagascar, Maurice and the Oriental and Australian Region. Vide LÖDL (1994h).

senectalis GUENÉE, 1862: 55. Vide LÖDL (1994h).

hemigrammalis MABILLE, 1880: xx. Vide LÖDL (1994h).

acrocompsa TURNER, 1932: 186. Vide LÖDL (1997c).

helena BERIO, 1972: 292, fig. 3.- St. Helena.

disclusalis WALKER, [1866] 1865: 1136.- South Africa. **Stat.rev. et subgen.comb.nov.** Vide LÖDL (1994h: 398).

holophaea HAMPSON, 1902: 431.- South Africa (Natal).

euthygramma A.E.PROUT, 1921: 133, pl. 17, fig. 15.- Equatorial Africa southwards to Malawi.

H. prionodes-Group:

prionodes FLETCHER, 1961: 245, figs. 75, 76, 118, 305.- East Africa.

nasutalis GUENÉE, 1862: 55.- Réunion, Madagascar (?).

sabinis LÖDL, 1994g: 277, figs. 1-6.- Madagascar.

vanschuytbroecki LÖDL & GAAL, 1996b: 9, figs. 1-6, 10.- Congo [Zaire].

Subgenus *Extremeypena* LÖDL, 1994h

extremipalpis LÖDL, 1994e: 10,figs. 1-6.- Congo [Zaire], Angola.

subvittalis WALKER, [1866] 1865: 1143.- Widely distributed but very rare in the Ethiopian, Oriental and Australian Region.

rhynchalis SNELLEN, 1880: 117, 24:pl. 5, fig. 4??. Vide LÖDL (1994h)
indistincta WILEMAN, 1915: 196. Vide LÖDL (1994h).

Subgenus *Biangulypena* LÖDL, 1994h

biangulatoides POOLE, 1989: 521.- East Africa. Species of high altitudes. Replacement name.
biangulata FLETCHER, 1961: 244, figs. 74, 306.

aculeifera (AURIVILLIUS, 1925) [*Dichromia* ?]: 1326, fig. 80.- Bioco [Fernando Po], Cameroons (?). Species of high altitudes.

Subgenus *Conscitalypena* LÖDL, 1994h

conscitalis WALKER, [1866] 1865: 1509.- Widely distributed in the Ethiopian, Oriental and Australian Region. Species splitting not yet clarified.

semilutea SNELLEN, 1872: 57.

semiluteas SNELLEN, 1872 misspelling in SUGI (1992: 174).

perna FELDER & ROGENHOFER, 1873: pl. 120, fig. 8. Vide LÖDL (1998d)
strigatalis SAALMÜLLER, 1880: 290.

Subgenus *Pseudodichromia* LÖDL, 1994h

laetalis WALKER, [1859] 1858: 83.- Equatorial Africa to South Africa, Madagascar.

lyperalis MABILLE, 1880: xix. Vide LÖDL (1994h).

ectoglauca HAMPSON, 1902: 432. Vide LÖDL (1994h).

laetalimaior LÖDL, 1995i: 307, figs. 103, 105, 106, 109-112, 187, 209, 353, 481, 483, 533.- Central Africa, East Africa to South Africa. Obviously occurs sympatric to *H. laetalis*.

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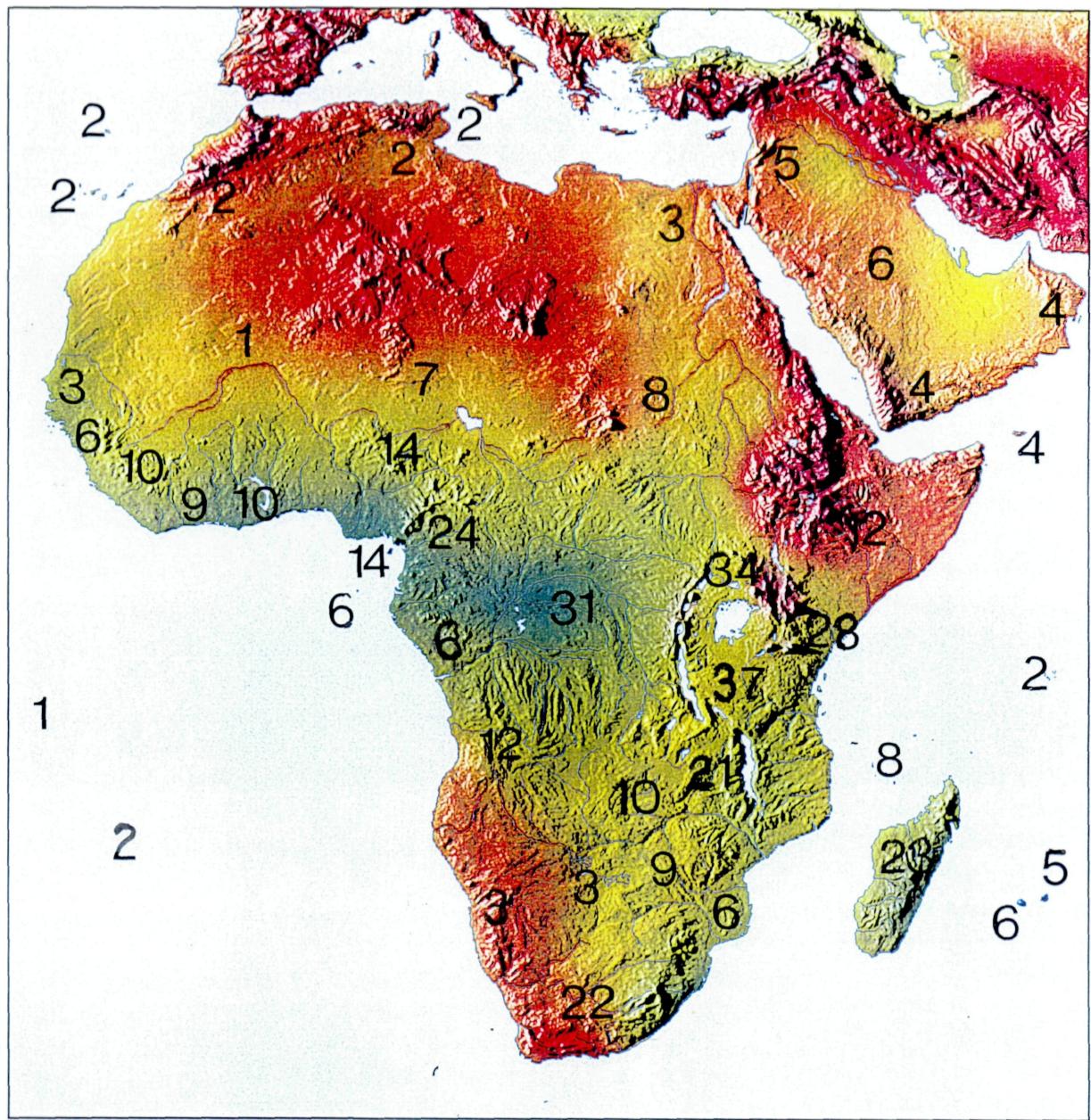


Fig. 14:

Map showing the dispersal of the number of *Hypena*-species on the African continent and Madagascar. Very rich areas are the centres of diversity in the East African and West African border. The Ethiopian highlands as well as Southwest Africa are not explored properly. The members of the genus *Hypena* prefer montaneous regions so the lowland rainforests (Gaboon and the West African coastlands) are relatively poor in species. The semiarid and arid zones of the Southmediterranean belongs to the Palaearctic Region and is extremely poor in species.

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Autor(en)/Author(s): Lödl Martin

Artikel/Article: [Checklist of the species of the genus Hypena SCHRANK, 1802 of the Ethiopian region and Madagascar \(Lepidoptera: Noctuidae: Hypeninae\). 75-92](#)