

The Geometrid moths of the Oman

**Axel Hausmann, Bjarne Skule, Leonardo Dapporto, Andrés Exposito Hermosa,
Heinz Fischer & Aidas Saldaitis**

Version 1: July 10, 2009

Joint project of the

[Zoologische Staatssammlung München](#) (Dr. Axel Hausmann) and the

[Barcode of Life Data Systems](#) / [Global Campaign Geometridae](#) (Dr. Paul Hebert, Canada)

[LINK to Neighbor Joining Tree](#), Kimura 2 Parameter, BOLD database / MEGA4, provided by the courtesy of Paul Hebert, CCDB, Canada

pdf of version 1 (July 10, 2009)

Habitats of Oman

(photos to b added)

Systematic List

The whole list actually contains 102 geometrid species and presents a survey on the distribution of the species within the Oman. The names in parentheses refer to the voucher material collected in several expeditions by Bjarne Skule, Aidas Saldaitis, Leonardo Dapporto, and Heinz Fischer. The material of B. Skule was partly collected together with M. Gallagher, that of A. Saldaitis together with J. Krueger, that of Fischer with Görgner and M. Ströhle. Parts of the material collected by the two last names collectors is deposited in ZSM and coll. Exposito, Mostoles. ID numbers below the photographs refer to the DNA barcode ID's from BOLD database. Literature citations are abbreviated as follows:

Abbreviations (cf bibliography below)

B88 = Büttiker (1988)

H93 = Hausmann (1993)

H98 = Hausmann (1998)

H06 = Hausmann (2006)

H09 = Hausmann (2009)

LW98 = Legrain & Wiltshire (1998)

W77a = Wiltshire (1977a)

W77b = Wiltshire (1977b)

W80 = Wiltshire (1980)

W82 = Wiltshire (1982)

W83 = Wiltshire (1983)

W84 = Wiltshire (1984)

W85 = Wiltshire (1985)

W86 = Wiltshire (1986)

W88 = Wiltshire (1988)

W89 = Wiltshire (1989)

W90 = Wiltshire (1990)

W94 = Wiltshire (1994)

Desmobathrinae

Conolophia conscitaria (Walker, 1861)



BC ZSM Lep [09684](#), 19694, 19695

W77a, W77b, W80

North: Al Hamra, Saiq, Jabal Shams, Jabal Akhdar Nizwa (Skule, Fischer)

Geometrinae

Pseudoterpnini



Pingasa lahayei (Oberthür, 1887)

BC ZSM Lep [14751](#), 14752

W85, H09

North: Saiq, Ibra, Jabal Akhdar Nizwa (Skule, Fischer) (subsp. *multispurcata* Prout, 1913)

South: Al Mughsayl (Saldaitis) (n nominate subspecies)

Comibaenini

Microbaena pulchra minor Hausmann, 1996





BC ZSM Lep 14756, 14757

W90 (*Comibaena pulchra*), H98, H09

South: Salalah, Ain Hamran (Saldaitis, Skule)

Victoria omanensis (Wiltshire, 1980)



BC ZSM Lep 14749, 14750

W80 (*Celidomphax*), H93, W94, H09

South: 20km W Al Mughsayl, Al Mughsayl (Saldaitis)

Hemistolini

Gnophosema isometra (Warren, 1888)



BC ZSM Lep 11340, 11341

W77b, LW98

North: Jabal Akhdar Nizwa (Fischer)

Gnophosema leucites Wiltshire, 1980





BC ZSM Lep 14753, 14754

W80, W86, W90 (all as *Gnophosema isometra leucites*), H09

South: 20km W Al Mughsayl, Al Mughsayl (Saldaitis)

Comostolini

Eucrotes disparata (Walker, 1861)



BC ZSM Lep 14758, 14759

H09

South: 20km W Al Mughsayl, Al Mughsayl, Khubrat, Wadi Darbat (Saldaitis, Dapporto)

Hemitheini



Hemithea punctifimbria (Warren, 1896)

BC ZSM Lep 09681, 19696, 19697, 19698

W85

North: Al Hail, Wahiba Sands (Skule)

Omphacodes pulchrifimbria (Warren, 1902)

In Hacker & Hausmann 1999 erroneously listed for the Oman, misinterpreting Wiltshire's (1985) record for *Hemithea punctifimbria*. To be cancelled from the list!

Phaiogramma discessa (Walker, 1861)

W80 (*Chlorissa*)

Misidentification, referring to the next species. To be cancelled from the list!

Phaiogramma faustinata (Millière, 1868)

BC ZSM Lep 14764, 14765, 19699

W86, W90 (in both as *Chlorissa*), H98, H09

North: Al Hail (Skule)

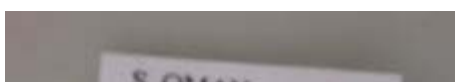
South: 20km W Al Mughsayl, Al Mughsayl, 20km NE Jihjat, Wadi Razat, Salalah, Ain Hamran, Madinat al Hagg (Saldaitis, Skule)

Neromia integrata Hausmann, 2009

BC ZSM Lep 19700 (paratype)

Hausmann & Hebert 2009 (Fauna of UAE2)

North: Jabal Shams, Al Hamra, 20km SE Ibra, Wadi Tanuf, Wadi Muyadin, Wadi al Khawd, 10km NE Al Khamil (Skule)

Neromia pulvereisparsa (Hampson, 1896)



BC ZSM Lep 09682, 14763

W80, W85, H09

South: Al Mughsayl, Jabal Qara/Ayn Tobroc (Saldaitis)

Remarks: Populations from southern Oman and Yemen with a second haplotype strongly differing from typical *N. pulvereisparsa* and awaiting detailed revision (cf. Hausmann 2009).

Neromia simplex Brandt, 1938



BC ZSM Lep 19701, 19702

W85, W90

North: Wadi Al Khawd, Wadi Abyad (Skule)

Microloxiini

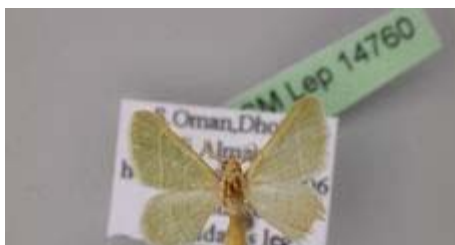
Microloxia indecretata Walker, 1897

W77b, W85 (as *Microloxia herbaria advolata*)

North

Remarks: Specimens from nearby prov. Fujayrah, United Arab Emirates belong to that Indian species, genetically. Wiltshire's Omanese records are drawn here, preliminarily.

Microloxia ruficornis Warren, 1897





BC ZSM Lep 14760, 14761, 09680

W80 (as *Microloxia herbaria indecretata*), H09

North: S of Sanaw (Skule)

South: 20km W Al Mughsayl, Al Mughsayl (Saldaitis)

Remarks: One barcoded specimen from N Oman and all specimens from S Oman belong to that species of African origin, genetically.

Acidaliastis micra Hampson, 1896



BC ZSM Lep 09683

W80

South: 20km N Liqbe Sahilal Jazr, Jabal Qara/Ayn Tobroc (Skule)

Hemidromodes sabulifera Prout, 1922



BC ZSM Lep 14762

W77a, W77b, W80, W85, W88, H09

North: Al Hamra, Wadi Tanuf, Wadi Al Khawd, Saiq, Al Hail, Ibra, Wadi Al Muaydin, Jabal Akhdar Nizwa, 70km SW Sur (Skule, Fischer)

South: Al Mughsayl, Samhan (Saldaitis, Dapporto)

Sterrhinae

Sterrhini

Idaea sanctaria crassisquama (Warren & Rothschild, 1905)

BC ZSM Lep 19703

W77b, W80 (in both as *Idaea sanctaria*), W86

North: Wadi Al Khawd, Al Hamra, Wadi Abyad, Wadi Tanuf (Skule)

Idaea mimetes mimetes (Brandt, 1941)

BC ZSM Lep 16894, 16895, 09701, 19704, 19705, 19706

W77b, W80, W88, W94

North: Wadi Al Khawd, Wahiba Sands, Barka, N Sur (Skule)

Idaea mimetes kruegeri Hausmann, 2009

BC ZSM Lep 13990, 13991, 13992, 13975, 13976, 13977

H09

South: Al Mughsayl, Darbat Pool (Saldaitis, Dapporto)

Idaea granulosa triangulifera Hausmann, 1998

H98

North: Wadi Al Khawd, Al Hail, Wadi Abyad (Skule)

Idaea sordida sordida Wiltshire, 1986

BC ZSM Lep 19707

North: Saiq, Al Hail, Wadi Abyad, Jabal Akhdar Nizwa (Skule, Fischer)

Idaea sordida dhofarica Wiltshire, 1986

BC ZSM Lep 13973, 13974, 09703

W86 (*Idaea sordida dhofarica*), H09

South: 20km W Al Mughsayl, Al Mughsayl, Ain Jarziz, Samhan, Jabal Qara/Ayn Tobroc (Saldaitis, Dapporto, Skule)

Idaea illustris (Brandt, 1941)

W80

North: Wadi Al Khawd, Al Hail, Wadi Abyad (Skule)

Idaea illustrior (Wiltshire, 1952)

W85

South

Idaea gallagheri Wiltshire, 1983

BC ZSM Lep 09704, 19708, 19709

W83, W85, H98

North: Al Hamra, Saiq (Skule)

Idaea damadensis Wiltshire, 1986

BC ZSM Lep 13985

H09

South: Khubart, Darbat Pool, Wadi Darbat, Ain Jarziz (Saldaitis, Dapporto)

Idaea shaathensis Wiltshire, 1986

BC ZSM Lep 13971, 13972, 09699, 09700, 14815, 14816

W86, H09

South: 20km W Al Mughsayl, Al Mughsayl, Khubart, Jabal Samhan (Saldaitis, Skule)

Idaea tahamae Wiltshire, 1983

BC ZSM Lep 13983, 13984

H09

South: 20km W Al Mughsayl, Mughsayl, Khubart, Madinat al Hagg E Salalah, Darbat Pool, Wadi Darbat, Ain Jarziz (Saldaitis, Dapporto)

Idaea hathor (Wiltshire, 1949)

BC ZSM Lep 14787, 13988, 13989

H09

South: Al Mughsayl, Wadi Darbat, Samhan (Saldaitis, Dapporto)

Idaea eremica (Brandt, 1941)

BC ZSM Lep 09690, 09691, 09695, 09702

W77b, W90 (in both misidentified as *Idaea hathor*), H98

North: Wadi Al Khawd, Wadi Abyad, Wadi Muaydin, Al Hamra, Jabal Shams, Hufq/Dibab (Skule)

Idaea banghaasi (Prout, 1934)

W80, W90

Misidentification, identity unclear. To be cancelled from the list!

Brachyglossina sciasmatica Brandt, 1941



BC ZSM Lep 19710

W77b, W80, H98 (in all three under the synonym *Brachyglossina rowlandi*)

North: Al Hail, Saiq, Al Hamra (Skule)

Brachyglossina sonyae Wiltshire, 1990



BC ZSM Lep 13980, 13981, 13982, 19711, 19712

H98, H09

South: Madinat al Hagg, Ain Hamran, Salalah (Saldaitis, Skule)

Brachyglossina tibbuana erythra Wiltshire, 1990



BC ZSM Lep 13986, 13987

H09

South: 20km W Al Mughsayl; Al Mughsayl (Saldaitis)

Scopulini

Scopula origalis (Brandt, 1941)



BC ZSM Lep 19713

H98

North: Al Hamra, Wadi Al Khawd (Skule)

Scopula subgastonaria Wiltshire, 1982



BC ZSM Lep 14795, 14796

H09

South: 20km W Al Mughsayl; Al Mughsayl, Jabal Samhan (Saldaitis, Dapporto)

Scopula omana Wiltshire, 1977





BC ZSM Lep 09693, 19716

W77b, W80

North: Al Hail, Saiq, Hufq/Dibab (Skule)

Scopula morandinii Hausmann, 2009



BC ZSM Lep 14805, 14806

H09

South: 20km SW Al Mughsayl, Al Mughsayl, Wadi Razat, Khubart, Wadi Darbat (Saldaitis, Dapporto)

Scopula caesaria walkeros Wiltshire, 1980



BC ZSM Lep 09692, 14814, 19715

W80, H09

North: Al Hamra, Saiq, Wadi Abyad, Jabal Shams (Skule)

South: Al Mughsayl (Saldaitis)

Scopula alhamrensis Hausmann, 2009





BC ZSM Lep 21901 (holotype), 21902, 21903, 21904, 21905 (all paratypes)

H98, H09

North: Al Hamra, Saiq, Wadi Abyad, Jabal Akhdar Nizwa (Skule, Fischer)

Scopula nepheloperas aidasi Hausmann, 2009



BC ZSM Lep 14803, 14804

W77b, W80 (in both as *S. nepheloperas*), H09

South: Al Mughsayl (Saldaitis)

Scopula luridata (Zeller, 1847)

W80 (as *Scopula nigrinotata*), W90 (correction of identification)

Probably referring to the following species

Scopula nubifera Hausmann, 1998



BC ZSM Lep 14797, 14798, 14799, 14800, 14801, 14802

H98, H09

North: Al Hamra (Skule) (conspicuity with southern populations to be confirmed)

South: 20km W Al Mughsayl, Al Mughsayl, Khubrat, Ain Jarziz, Jabal Samhan, Ain Hamran (Saldaitis, Skule, Dapporto)

Scopula colymbas pasii Hausmann, 2009



BC ZSM Lep 14807, 14809, 14810

H09

South: 20km SW from Al Mughsayl, Al Mughsayl, Road 47 near Arift (Saldaitis, Dapporto)

Scopula addictaria rufinubes (Warren, 1900)



BC ZSM Lep 19714

W90, H09

South: Ain Hamran, 20km W Al Mughsayl, Wadi Razat, 20km N Salalah (Saldaitis, Skule)

Scopula proverai Hausmann, 2009



BC ZSM Lep 14808, 14811, 14812, 14813

W82, W90 (in both as *S. sarfaitensis*), H09

South: Al Mughsayl, 20km SW Al Mughsayl (Saldaitis)

Scopula dhofarata Wiltshire, 1986



BC ZSM Lep 14792

W86, H09

South: Wadi Razat, Road 47 near Arift (Saldaitis, Dapporto)

Scopula lactaria qaboosi Hausmann, 1998

H98

North: Al Hail (Skule)

Scopula adelpharia (Püngeler, 1894)



BC ZSM Lep 14793, 14794, 19717

W77b, W80, H98, H09

North: (Skule): Seeq, Saiq, Al Hail

South: 20km SW from Al Mughsayl, Al Mughsayl (Saldaitis)

Scopula minorata ochroleucaria (Herrich-Schäffer, 1847)

W80, W88 (90?) (in both as *Scopula ochroleucaria*)

North, South

Scopula species

BC ZSM Lep 09694

North: Wabal, Wadi Bani Ruwaha (Samal'il) (Skule)

Remarks: In habitus similar to *Scopula minorata*, but in DNA barcode (BC ZSM Lep 09694) and female genitalia different from all other *Scopula* species, currently prepared for revision.

Scopula chalcographata Brandt, 1938

(= *Glossotrophia adenensis*)



BC ZSM Lep 14788, 14790, 14791

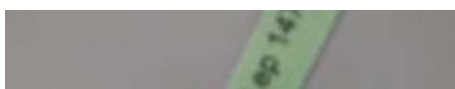
W77a (*Glossotrophia*), W77b (*Glossotrophia*), W77b (*Glossotrophia buraimana*, corrected in W90), W80 (*Glossotrophia*), W80 (*Glossotrophia buraimana*, corrected in W90), W85 (*Glossotrophia buraimana*, corrected in W90), W90 (*Glossotrophia chalcographata sinaica*), H98 (*Glossotrophia*), H09

North: Wadi Muaydin (Skule)

South: Al Mughsayl (Saldaitis)

Scopula buraimana (Wiltshire, 1949)

Wrong identification in W77b, W85 and W86 ("*Glossotrophia buraimana*") corrected in W90 to *G. chalcographata*, but again listed under *G. buraimana* in Hacker & Hausmann (1999). To be cancelled from the list! According to new molecular analyses, *buraimana* is just a synonym of *Scopula (Glossotrophia) alfierii* (Wiltshire, 1949).

Scopula alfierii (Wiltshire, 1949)



BC ZSM Lep 14783, 14786, 14789

W80, W90 (in both as *Glossotrophia*), H09

South: Al Mughsayl, Samhan, Ain Jarziz (Saldaitis, Dapporto)

Scopula disparata (Hampson, 1903)

BC ZSM Lep 19718, 19719

H98 (*Glossotrophia*)

North: Seeq (Skule)

South: Salalah (Skule)

Requiring confirmation by molecular data (so far not sequenced successfully). The four southern Arabian species of the 'subgenus' *Microglossotrophia*, i.e. *S. alfierii*, *S. uvarovi*, *S. harteni* and *S. disparata* are clearly distinguished by their COI.

Scopula harteni Hausmann, 2009



BC ZSM Lep 00988, 00991, 19720

H98 (*Glossotrophia gracilis*), Hausmann & Hebert 2009 (Fauna of UAE2)

North: Wadi Tanuf, Ibra, Wadi Al Khawd, Saiq, Al Hamra, Saiq, Wadi Abyad, Dibba/Musandam, Jabal Akhdar Nizwa, 4km NW Al Khuwaymah (Skule, Fischer)

Scopula uvarovi (Wiltshire, 1952)



BC ZSM Lep 14784, 14785, 09696, 09697, 09698

H09

South: Al Mughsayl, Khawr Dirif, 20km N Liqbe Sahil (Saldaitis, Dapporto, Skule)

Original generic combination with '*Glossotrophia*'.

Scopula larseni (Wiltshire, 1982)



BC ZSM Lep 14779, 14780, 14781, 09688

W82, W90 (in both as *Zygophyxia*), H09

South: 20km SW from Al Mughsayl, Khubart (Saldaitis)

Original generic combination with '*Zygophyxia*'.

Scopula ochrea (Hausmann, 2006)



BC ZSM Lep 14782

H09

South: Al Mughsayl (Saldaitis)

Original generic combination with '*Zygophyxia*'.

Scopula relictata (Walker, 1866)

W77b, W90, H06 (in all three references as *Zygophyxia*)

North: Barka, Al Hail (Skule)

Scopula retracta (Hausmann, 2006)

W80 (*Zygophyxia relictata*)

South

Problepsis ocellata cinerea (Butler, 1886)



BC ZSM Lep 09685, 09686, 19721

W77a, W77b, W80, W82, H98

North: Saiq, Al Hail, Hufq/Dibab, Jabal Akhdar Nizwa (Skule, Fischer)

Problepsis erythra Wiltshire, 1982

H98, H09

South: Salalah, Jabal Samhan (Skule, Dapporto)

Somatina pythiaria nigrimacula Hausmann, 2009



BC ZSM Lep 14777, 14778 (paratypes)

W80 (as *Somatina ?pythiaria*), H09

South: Madinat al Hagg, Khubart, Wadi Razat, Jihjat (Saldaitis)

Rhodostrophiini

Rhodostrophia skulei Hausmann, 1998



BC ZSM Lep 09687, 19722 (paratype), 19723 (paratype)

W77a, W77b, W80, W89 (in all four references as *Rhodostrophia cuprinaria*), H98

North: Al Hamra, Wadi Abyad, Wadi Al Khawd, Wadi Muaydin, Saiq, Al Khamil, Jabal Akhdar Nizwa, 70km SW Sur (Skule, Fischer)

Cosymbiini

Traminda neptunaria (Guenée, 1858)

W90

South

Traminda mundissima (Walker, 1861)



BC ZSM Lep 19724

W80, W85, W90

North: Al Hail, Seeq, Barka, Wahiba Sands (Skule)

Pseudosterrha rufistrigata (Hampson, 1896)





BC ZSM Lep 14773, 09689, 19726

W77a, W77b, W85, W88 (in all four references as *Cyclophora*), W80 (*Traminda*), H09

North: Al Hamra, Wadi Tanuf, Al Hail, Wadi Abyad, Wadi Al Khawd, Seeq, Ibra, Wahiba Sands, Wadi Al Muaydin, Jabal Akhdar Nizwa, viz. Nizwa, 70km SW Sur (Skule, Fischer)

South: 20km SW from Al Mughsayl, Al Mughsayl, Samhan, Ain Hamran (Saldaitis, Skule, Dapporto)

Pseudosterrha colettae Hausmann, 2007



BC ZSM Lep 14774, 14775, 14776

H09

South: 20km W Al Mughsayl; Al Mughsayl, Road47 near Arift (Saldaitis, Dapporto)

Pseudosterrha paulula (Swinhoe, 1886)

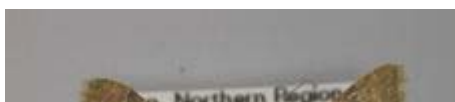


BC ZSM Lep 19725

H09

North: Ibra (Skule)

Palaeaspilates sublutearia (Wiltshire, 1977)





BC ZSM Lep 19727, 19728, 19729

W77a, W77b, W80 (in all three references as *Anisephyra*)

North: Al Hamra, Wadi Abyad, Seeq, Wadi Muaydin, Saiq, Jabal Akhdar Nizwa, 70km SW Sur (Skule, Fischer)

Palaeaspilates reducta (Wiltshire, 1980)



BC ZSM Lep 14770, 14771, 14772

W80 (*Anisephyra*), H09

South: Salalah, Al Mughsayl, Madinat al Hagg, Ain Hamran, Ain Jarziz (Skule, Saldaitis, Dapporto)

Rhodometrini

Rhodometra sacraria (Linnaeus, 1767)

W77b, W80

North

Larentiinae

Xanthorhoini

Xanthorhoe wiltshirei (Brandt, 1941)



BC ZSM Lep 09705, 19730, 19731, 19732, 19733

W77b, W80 (in both as *Epirrhoe*)

North: Al Hamra, Wadi Tanuf, Al Hail, Wadi Al Khawd, Seeb Airport, Ibra, Wadi Al Muaydin, 70km SW Sur (Skule, Fischer)

Xanthorhoe rhodoides (Brandt, 1941)



BC ZSM Lep 19734

W77b, W80, W85 (in all three references as *Epirrhoe*)

North

Conspicity to Iranian *X. rhodoides* awaiting confirmation; *X. rhodoides* sensu Wiltshire perhaps only referring to aberrations of *X. wiltshirei* (see H98).

Protorhoe unicata centralisata (Staudinger, 1892)

W85, LW98

North

Cidariini

Nebula saidabadi (Brandt, 1941)



BC ZSM Lep 09706

H98, LW98

North: Al Hamra, Al Hail, Wadi Al Khawd, Jabal Shams (Skule)

Remarks: Genetically the Omanese populations are very close to *Nebula mantelorum* from Egypt and Yemen. *N. saidabadi* from Iran still awaits DNA barcoding. It is not excluded that *mantelorum* will need downgrading to subsp. of *N. saidabadi*.

Eupitheciini

Eupithecia maerkerata Schütze, 1961

H09

North: Al Hamra, Ibra, Wadi Al Khawd, Wadi Tanuf, 70km SW Sur (Skule, Fischer)

Eupithecia mekrana amiralis Wiltshire, 1986

W86

North: Ibra, Al Ulyah (Skule)

Eupithecia relaxata Dietze, 1904

W85 (*Eupithecia relaxata costimaculata* (sic!))

North

Correct spelling '*costisignata*', referring to central Asian populations, doubtfully different from *Eupithecia relaxata* (see Vojnits, 1977: 480 and 1982: 226). Awaiting verification.

Eupithecia ultimaria (Boisduval, 1840)

H09

North: Wadi Al Khawd (Skule)

Eupithecia tenellata perspicuata Schütze, 1961

W85, W90

North

Pasiphila palaeartica (Brandt, 1938)



BC ZSM Lep 09707, 09708, 09709

W77b (*Chloroclystis lita*), W80 (*Chloroclystis palaeartica* (sic!) incorrect subsequent spelling), W85 (*Calliclystis*)

North: Al Hamra, Al Hail, Wadi Al Khawd, Wadi Tanuf, Saiq, Wadi Muaydin, Hufq/Dibab, Jabal Shams, Wadi Al Muaydin (Skule, Fischer)

South: "Dhofar/Khawr Salalah" (Skule)

Remarks: The specimen from Dhofar (mislabelled?) awaiting dissection, genetically it belongs to *P. palaeartica*. Distribution in S Oman awaiting confirmation.

Pasiphila derasata (Bastelberger, 1905)



BC ZSM Lep 14766, 14767, 14768, 13979

W80 (*Chloroclystis nanula*), W90 (*Calliclystis nanula*), H09

South: 20km W Al Mughsayl, Al Mughsayl, Madinat al Hagg, Khubart, Salalah (Saldaitis, Skule)

Ennominae

Ennomini

Coenina collenettei Prout, 1931



BC ZSM Lep 09719, 09720

W77a, W77b, W80, LW98

North: Saiq, Al Hamra, Jabal Shams, Jabal Akhdar Nizwa (Skule, Fischer)

South: "Dhofar/Khawr Salalah" (Skule)

Remarks: The specimen from Dhofar possibly mislabelled? See remarks under *P. palaeartica*. Distribution in S Oman awaiting confirmation.

Cassymini

Zamarada minimaria (Swinhoe, 1895)

W77b, W80

North: Wadi Tanuf, Wadi Al Muaydin (Skule, Fischer)

Zamarada latilimbata Rebel, 1948



BC ZSM Lep 14727, 14728

H09

South: Al Mughsayl, Jabal Samhan (Saldaitis, Dapporto)

Heterostegane serrata (Fletcher, 1958)



BC ZSM Lep 09710, 14726

H09

South: Madinat al Hagg, Samhan (Saldaitis, Skule)

Macariini

Platypepla arabella Wiltshire, 1983





BC ZSM Lep 14755, 14729

H09

South: 20km W Al Mughsayl; Al Mughsayl (Saldaitis)

Chiasmia aestimaria sareptanaria (Staudinger, 1871)

W85 (*Semiothisa*)

North

Chiasmia fuscomarginata (Warren, 1893)



BC ZSM Lep 09712, 09713

W77a, W77b, W80 (in all three references as *Semiothisa*)

North: Al Hamra, Al Hail, Saiq, Jabal Shams, Jabal Akhdar Nizwa (Skule, Fischer)

South: Khawr Salalah (Skule)

Chiasmia latimarginaria (Rebel, 1931)



BC ZSM Lep 09711

W77a (*Osteodes latimarginata* (sic!)), W77b (*Osteodes*), W80 (*Osteodes*), W90 (*Semiothisa*), H09

North: Al Hamra, Wadi Tanuf, Wadi Abyad, Saiq, Jabal Akhdar Nizwa, vic Nizwa, 70km SW Sur (Skule, Fischer)

South: Jabal Samhan (Dapporto, Skule)

Chiasmia trizonaria (Hampson, 1909)

W80 (Semiothisa)

South

Probably a misidentification and referring to *C. assimilis*. Awaiting verification with the original material.

Chiasmia assimilis (Warren, 1899)



BC ZSM Lep 14737, 14738, 14739

H09

South: 20km W Al Mughsayl (Saldaitis)

Isturgia sublimbata (Butler, 1884)



BC ZSM Lep 14730, 14731, 14735

W80, B88 (in both as *Tephрина*), H09

South: Al Mughsayl, Salalah (Saldaitis, Skule)

Isturgia perviaria (Lederer, 1855)

W80, W88, W90, B88 (in all four references as *Tephрина*)

North: Al Hail, Wadi Al Khawd, Seeq, Yalooni, Barka, Wahiba Sands (Skule)

Isturgia disputaria (Guenée, 1858)

BC ZSM Lep 09715

W77a, W77b, W80, W88, B88 (in all five references as *Tephрина*)

North: Al Hamra, Ibra, Al Lansab, Wadi Al Khawd, Seeq, Yalooni, Wadi Tanuf, Al Batinah, Wadi Al Muaydin, Jabal Akhdar Nizwa, 70km SW Sur (Skule, Fischer)

Isturgia philbyi (Wiltshire, 1980)

BC ZSM Lep 14736, 14743

W90, H09

South: Al Mughsayl, Madinat al Hagg, Samhan (Saldaitis, Dapporto)

Isturgia pulinda deerraria (Walker, 1861)

BC ZSM Lep 14740, 14741, 14742, 14744, 14745, 09714, 14732, 14733, 14734

B88, H98 (in both as *Tephрина*), H09

North: Seeq (Skule)

South: 20km W Al Mughsayl; Al Mughsayl, Khubart, Madinat al Hagg, Salalah, Ain Hamran, Jabal Qara Ayn Tobroc (Saldaitis, Skule)

Gnopharmia objectaria (Staudinger, 1892)

W85 (*Gnopharmia* (?) *abjectaria*) (incorrect subsequent spelling), LW98 (*Gnopharmia musandamensis* nomen nudum)

Caberini

Lhommeia subapicata omanirufa Hausmann, 2009



BC ZSM Lep 14746, 14747, 14748

W86 (*Lhommeia* ?), H09

South: Al Mughsayl, Madinat al Hagg, Darbat Pool, Jabal Samhan (Saldaitis, Dapporto)

Hyperythra swinhoi Butler, 1880



BC ZSM Lep 09716

W77a, W77b (in both as *Syrrhodia muselmana*), W80, W85, W88 (in all three references as *Hyperythra muselmana*)

North: Saiq, Wadi Tanuf, Wadi Muayadin, Al Batinah, Wadi Al Muaydin (Skule, Fischer)

Boarmiini

Phaselia erika (Ebert, 1965)

W90 (*Phaselia deliciosaria*), LW98

North (Skule)

Atomorpha hedemanni khalia Wiltshire, 1986

W85 (*A. h. baloutschistana*), W86 (*khalia*; type series), W88 (*A. h. balouchistana* (sic!) incorrect subsequent spelling), W90 (*A. h. baloutschistana*)

North: Wahiba Sands (Skule)

Cleora nana Hausmann, 2008

BC ZSM Lep 09717, 09718

Hausmann & Skou 2008 (Fauna of UAE1)

North: Shinas (Skule)

Zeuctoboarmia syntropha (Prout, 1931)

BC ZSM Lep 14723

W80 (*Paracotis*), W90, H09

South: Salalah, Ain Hamran, Ain Jarziz, Rd Hajaif-Uyun, Madinat al Hagg (Saldaitis, Skule, Dapporto)

Oreometra fifae Wiltshire, 1986



BC ZSM Lep 14724, 14725

H09

South: Khubart, Madinat al Hagg, Ain Jarziz (Saldaitis, Dapporto)

Gnophini

Gnophos orthogonia Wehrli, 1939

W85 (*Gnophos* ? nr. *chorista*), H98 (*Dicrognophos orthogonius*)

North: Wadi Abyad (Skule)

Literature

- Büttiker, W & S. (1988): Further observations on Ophthalmotropic Lepidoptera from Oman. – Journal of Oman Studies Special Report 3: 317-320.
- Hacker, H. & A. Hausmann 1999: Geometridae. In Hacker (ed.): Systematic List of the Lepidoptera of the Arabian Peninsula with a survey of the spread with special reference to the fauna of Yemen. - Esperiana 7 (15-237), 95-114.
- Hausmann, A. (1993): Revision of the Palearctic Species of the Genus *Victoria* Warren, 1897 (Lepidoptera, Geometridae). - Spixiana 16 (1): 53-60.
- Hausmann, A. 1998: New and interesting Geometrid Moths from the Oman (Lepidoptera, Geometridae). - Mitt. Münchn. Ent. Ges. 88, 85-98.
- Hausmann, A. 1999: Geometrid Moth Species from Yemen (Lepidoptera: Geometridae). - Esperiana 7, 283-305, 5 pls.
- Hausmann, A. 2006: The geometrid moths of Yemen – With 50 new records for the country and description of 20 new taxa (Lepidoptera: Geometridae) – Esperiana 12, 9-62, 10 colour plates.
- Hausmann, A. 2009: New and interesting geometrid moths from Dhofar, southern Oman – Mitt. Münchn. Ent. Ges. 99.
- Legrain, A. & Wiltshire, E.P., 1998: Provisional Checklist of the Macro-heterocera [Lepidoptera] of the UAE. – Tribulus 8.2: 5-8.
- Vojnits, A. (1977): Geometridae Eupitheciini III. (Lepidoptera). - Acta Zool. Acad. Sci. Hung. 23 (3-4): 461-485.
- Vojnits, A. (1982): A revision of the "Eupithecia innotata group", I. (Lepidoptera, Geometridae). - Ann. Hist.-Nat. Mus. Nat. Hung. 74: 217-239.
- Wiltshire, E.P., 1977a: Lepidoptera: Part I. Families Cossidae, Pyralidae, Geometridae, Sphingidae, Arctiidae, Lymantriidae and Noctuidae. (Middle East Lepidoptera No. 36), Journal of Oman Studies, Special re-port no. 1: 155-160.
- Wiltshire, E.P., 1977b: Lepidoptera: Part II, A List of Further Lepidoptera-Heterocera from Oman. Journal of Oman Studies, Special Report 1: 161-176.
- Wiltshire, E.P., 1980: Moths of Dhofar, Journal of Oman Studies, Special Report no.2, 1980: 187-216
- Wiltshire, E.P., 1982: Lepidoptera of Saudi Arabia: Fam. Cossidae, Sphingidae, Thyretidae, Geometridae, Lymantriidae, Arctiidae, Noctuidae, Ctenuchidae (Part 3) [Middle East Lepidoptera no. 41]. Fauna Saudi Arabia, vol. 4, pp. 271-332.
- Wiltshire, E.P., 1983: Lepidoptera of Saudi Arabia: Fam. Cossidae, Sphingidae, Thyretidae, Geometridae, Lymantriidae, Arctiidae, Noctuidae, Ctenuchidae (Part 3) [Middle East Lepidoptera no. 42]. Fauna Saudi Arabia, vol. 5, pp. 293-332.
- Wiltshire, E.P., 1984: Insects of Saudi Arabia - Lepidoptera: Fam. Noctuidae (Part 4). Fauna Saudi Arabia, Vol. 6, pp. 388- 412.
- Wiltshire, E.P., 1985: New Heterocera from Oman (with a revised list of the moths known from the Musandam Peninsula) [Middle East Lepidoptera no. 41]. Journal of Oman Studies, Vol. 7, pp. 39-48 + 26 figs.
- Wiltshire, E.P., 1986: Lepidoptera of Saudi Arabia: Fam. Cossidae, Sesiidae, Metarbelidae, Lasiocampidae, Sphingidae, Geometridae, Lymantriidae, Arctiidae, Nolidae, Noctuidae (Heterocera); Fam. Satyridae (Rhopalocera) (Part 5) [Middle East Lepidoptera no. 45]. Fauna Saudi Arabia, Vol. 8, pp. 262-323.
- Wiltshire, E.P., 1988a: Lepidoptera of Saudi Arabia: Fam. Metarbelidae, Geometridae, Arctiida, Agaristidae, Noctuidae (Part 6) [Middle East Lepidoptera no. 47]. Fauna Saudi Arabia, vol. 9, pp. 68-82.
- Wiltshire, E.P., 1988b: The Larger Moths (Macro-Heterocera) of the Wahiba Sands. Journal of Oman Studies, Special Report 3: 347-360.
- Wiltshire, E.P., 1990: An illustrated, Annotated Catalogue of the Macro-Heterocera of Saudi Arabia. Fauna Saudi Arabia, vol 11, pp. 91-250.
- Wiltshire, E.P., 1994: Arabian Lepidoptera: a Supplement to the Catalogue of Saudi Arabian Macro-Heterocera. Fauna Saudi Arabia, Vol. 14, pp. 113-136.

BOLD TaxonID Tree

Project : BOLD Search[NO CODE]
Date : 15-July-2009
Data Type : Nucleotide
Distance Model : Kimura 2 Parameter
Codon Positions : 1st, 2nd, 3rd
Labels : Country & Province, SampleID,
Colorization :

Sequence Count : 150
Species count : 69
Genus count : 33
Family count : 1
Unidentified : 0

2 %

