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CDF Checklist of Galapagos Grasshoppers, locusts and crickets

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13 Apr 2011

This checklist is automatically generated using Version 3.0 of the online database CDF Galapagos Species Checklist.

The Order **Orthoptera** contains a varied assemblage of insects, which are usually herbivores, but some may be predators or scavengers.Considering the richness of the mainland Ecuador fauna, the island fauna are highly impoverished.
Colonization may have been by flight (and wind) for strong fliers such as *Schistocerca*, *Sphingonotus*, and *Neoconocephalus*.
Rafting is more likely for weak fliers and flightless groups, especially in the Gryllidae (Nemobiinae and Mogoplistinae).
Seventy-four percent of the endemic species are flightless. Loss of flight ability on the Galapagos has occurred in *Halmenus* (maybe it is a descendent from a *Schistocerca* locust), *Closteridea*, *Gryllus*, and *Conocephalus*.Of special note is the evolution of the two species of eyeless subterranean *Anurogryllus* crickets. No eyed ancestor of these is known in the islands. Evolution of endemics in the Orthoptera has been relatively frequent when compared to most other insect groups.

For marine species distribution data cited in the CDF Galapagos Checklists refer to the five main bioregions of the archipelago (Far Northern, Northern, Western, South Eastern and the Elithabeth Bay Bioregion). For the terrestrial species the more than 120 islands, islets and small rocks have been aggregated into Islands Groups, thus, for example, the island group “Santa Cruz” includes smaller islands like Santa Fé, Plaza Norte, Plaza Sur, Baltra, Daphne Mayor, Daphne Minor, and others.
Please be aware that the distribution data presented here is automatically generated from specimen records and does not always accurately reflect the known distribution for all species.
IUCN red-list assessments presented here may deviate from the global IUCN list for the following reasons:
- for well known species groups like vascular plants or vertebrates updates proposed to the IUCN are shown instead of the outdated, but currently accepted status;
- for poorly known species groups (e.g., lichenized fungi) a general assessment is currently not possible and the list presented here is a regional red-list list for Galapagos archipelago.

Names of taxa included in this checklist: 36 (33 Accepted , 1 Unidentified Taxon , 2 New to Science).
Origin of the taxa included: 4 Accidental, 29 Endemic, 1 Indigenous.

1. *Sphingonotus tetranesiotis albemarlensis* Snodgrass, 1902
   Taxon status: Accepted name; taxon occurs in Galapagos.
   Origin: Native, Endemic.
   Galapagos Distribution: Isabela.
   References: Linsley, E.G. et al. (1966).

2. *Desmopleura concinna* Shudder, 1893
   Taxon status: Accepted name; taxon occurs in Galapagos.
   Known only from the type specimen (Santiago = San Salvador). Probably a mislabelled specimen of Dichroplus vittiger of Argentina, fide Peck (2001)
   Galapagos Distribution: Unknown.
   References: Dirsh, V.M. et al. (1969), Linsley, E.G. et al. (1977), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

3. *Halmenus choristopterus* Snodgrass, 1902
   Taxon status: Accepted name; taxon occurs in Galapagos.
   Syn.: Halmenus robustus choristopterus
   Origin: Native, Endemic.
   Galapagos Distribution: Floreana.
   References: Dirsh, V.M. et al. (1969), Linsley, E.G. et al. (1977), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

4. *Halmenus cuspidatus* Snodgrass, 1902
   Taxon status: Accepted name; taxon occurs in Galapagos.
   Syn.: Halmenus robustus cuspidatus
   Origin: Native, Endemic.
   Galapagos Distribution: Isabela.
   References: Dirsh, V.M. et al. (1969), Linsley, E.G. et al. (1977), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

5. *Halmenus eschatus* Hebard, 1920
   Taxon status: Accepted name; taxon occurs in Galapagos.
   Origin: Native, Endemic.
   Galapagos Distribution: Unknown.
   References: Dirsh, V.M. et al. (1969), Hebard, M. et al. (1920), Linsley, E.G. et al. (1977), Linsley, E.G. et al. (1966), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

6. *Halmenus robustus* Scudder, 1893
   Taxon status: Accepted name; taxon occurs in Galapagos.
   Syn.: Halmenus robustus robustus
   Origin: Native, Endemic.
   Galapagos Distribution: Floreana, Santa Cruz.
   References: Dirsh, V.M. et al. (1969), Linsley, E.G. et al. (1977), Linsley, E.G. et al. (1966), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

7. *Schistocerca literosa* (Walker, 1870)
   Taxon status: Accepted name; taxon occurs in Galapagos.
   Syn.: Schistocerca discoidalis, Schistocerca punctata, Schistocerca hyalina
   Origin: Native, Endemic.
   Galapagos Distribution: Española, Fernandina, Marchena, San Cristóbal, Santa Cruz.
   References: Dirsh, V.M. et al. (1969), Hebard, M. et al. (1920), Linsley, E.G. et al. (1977), Linsley, E.G. et al. (1966), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

8. *Schistocerca melanocera* (Stål, 1860)
   Taxon status: Accepted name; taxon occurs in Galapagos.
   Syn.: Schistocerca minor, Schistocerca pallida, Schistocerca lineata, Schistocerca immaculata,

Schistocerca intermedia, Schistocerca borealis

Origin: Native, Endemic.

Galapagos Distribution: Floreana, Isabela, Santa Cruz, Santa Fé.

References: Dirsh, V.M. et al. (1969), Hebard, M. et al. (1920), Linsley, E.G. et al. (1977), Linsley, E.G. et al. (1966), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

9. *Closteridea bauri* Scudder, 1893

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz.

References: Dirsh, V.M. et al. (1969), Hebard, M. et al. (1920), Linsley, E.G. et al. (1977), Linsley, E.G. et al. (1966), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

10. *Sphingonotus fuscoirroratus* (Stål, 1860)

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Sphingonotus tetranesiotis, S. tetranesiotis tetranesiotis, S. tetranesiotis barringtonensis, S. tetranesiotis hoodensis, S. tetranesiotis indefatigabilensis, S. trinesiotis, S. trinesiotis trinesiotis, S. trinesiotis indefatigabilensis, S. trinesiotis albemarlensis

Origin: Native, Endemic.

Galapagos Distribution: Floreana, Isabela, Santa Cruz, Santa Fé, Santiago.

References: Dirsh, V.M. et al. (1969), Hebard, M. et al. (1920), Linsley, E.G. et al. (1977), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

11. *Gryllodes sigillatus* (Walker)

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Introduced, Accidental.

Galapagos Distribution: Unknown.

References: Peck, S.B. et al. (1996), Peck, S.B. et al. (1998), Peck, S.B. et al. (2001).

12. *Gryllus abditus* Otte Peck, 1997

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Española, Fernandina, Floreana, Isabela, San Cristóbal, Santa Cruz, Santa Fé, Santiago, Unknown.

References: Otte, D. et al. (1997), Peck, S.B. et al. (2001).

13. *Gryllus abingdoni* Otte Peck, 1997

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Pinta.

References: Otte, D. et al. (1997), Peck, S.B. et al. (2001).

14. *Gryllus darwini* Otte Peck, 1997

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Unknown.

References: Otte, D. et al. (1997), Peck, S.B. et al. (2001).

15. *Gryllus galapageius* Scudder, 1893

Taxon status: Accepted name; taxon occurs in Galapagos.

Syn.: Gryllus assimilis

Origin: Native, Endemic.

Galapagos Distribution: Santa Cruz, Santa Fé, Santiago.

References: Otte, D. et al. (1997), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

16. *Gryllus genovesa* Otte Peck, 1997

Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.

Galapagos Distribution: Unknown.

References: Otte, D. et al. (1997), Peck, S.B. et al. (2001).

17. *Gryllus Isabela* Otte Peck, 1997
    Taxon status: Accepted name; taxon occurs in Galapagos.
    Origin: Native, Endemic.
    Galapagos Distribution: Isabela.
    References: Otte, D. et al. (1997), Peck, S.B. et al. (2001).

18. *Gryllus marchena* Otte Peck, 1997
    Taxon status: Accepted name; taxon occurs in Galapagos.
    Origin: Native, Endemic.
    Galapagos Distribution: Marchena, Unknown.
    References: Otte, D. et al. (1997), Peck, S.B. et al. (2001).

19. *Gryllus pinta* Otte Peck, 1997
    Taxon status: Accepted name; taxon occurs in Galapagos.
    Origin: Native, Endemic.
    Galapagos Distribution: Española, Santa Cruz.
    References: Otte, D. et al. (1997), Peck, S.B. et al. (2001).

20. *Cycloptilum erraticum* Scudder, 1893
    Taxon status: Accepted name; taxon occurs in Galapagos.
    Galapagos Distribution: Española, Isabela, Pinta, San Cristóbal, Santa Cruz.
    References: Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

21. *Cycloptilum lepismoide* McNeill, 1901
    Taxon status: Accepted name; taxon occurs in Galapagos.
    Origin: Native, Endemic.
    Galapagos Distribution: Unknown.
    References: Peck, S.B. et al. (2001).

22. *Anurogryllus sp. 2*
    Taxon status: Taxon not identified to species, subspecies, form or variety.
    Origin: Native, Endemic.
    Galapagos Distribution: Unknown.
    References: Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

23. *Anurogryllus typhlops* Otte Peck, 1998
    Taxon status: Accepted name; taxon occurs in Galapagos.
    Origin: Native, Endemic.
    Galapagos Distribution: Isabela.
    References: Otte, D. et al. (1998), Peck, S.B. et al. (2001).

24. *Hygronemobius daphne* Otte Peck, 1998
    Taxon status: Accepted name; taxon occurs in Galapagos.
    Origin: Introduced, Accidental.
    Galapagos Distribution: Darwin, Isabela, Santa Cruz.
    References: Otte, D. et al. (1998), Peck, S.B. et al. (2001).

25. *Hygronemobius speculi* (McNeill, 1901)
    Taxon status: Accepted name; taxon occurs in Galapagos.
    Origin: Native, Endemic.
    Galapagos Distribution: Unknown.
    References: Hebard, M. et al. (1920), Linsley, E.G. et al. (1966), Otte, D. et al. (1998), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

26. *Pteronemobius cristobalensis* Otte Peck, 1998
    Taxon status: Accepted name; taxon occurs in Galapagos.
    Origin: Native, Endemic.
    Galapagos Distribution: San Cristóbal, Santa Cruz.
    References: Otte, D. et al. (1998), Peck, S.B. et al. (2001).

27. *Pteronemobius santacruzensis* Otte Peck, 1998
    Taxon status: Accepted name; taxon occurs in Galapagos.

Origin: Native, Endemic.
Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.
References: Otte, D. et al. (1998), Peck, S.B. et al. (2001).

28. *Jarmilaxipha ecuadorica* Otte Peck, 1998
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Fernandina, Floreana, Isabela, San Cristóbal, Unknown.
References: Otte, D. et al. (1998), Peck, S.B. et al. (2001).

29. *Nesoecia padulicola* McNeill, 1901
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Isabela.

30. *Conocephalus exitiosus* (McNeil, 1901)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Isabela, Santa Cruz.
References: Hebard, M. et al. (1920), Linsley, E.G. et al. (1966), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

31. *Conocephalus sp. nov. 1*
Taxon status: Unpublished name (Nomen nudum).
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Peck, S.B. et al. (2001).

32. *Conocephalus sp. nov. 2*
Taxon status: Unpublished name (Nomen nudum).
Origin: Native, Endemic.
Galapagos Distribution: Unknown.
References: Peck, S.B. et al. (2001).

33. *Copiphora brevicauda* Karny, 1912
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz, Santa Fé.
References: Peck, S.B. et al. (1996), Peck, S.B. et al. (1998), Peck, S.B. et al. (2001).

34. *Neoconocephalus triops* (Linnaeus, 1758)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: Conocephalus insulanus, C. insularum
Origin: Native, Indigenous.
Galapagos Distribution: Española, Fernandina, Floreana, Isabela, Santa Cruz, Santiago.
References: Hebard, M. et al. (1920), Linsley, E.G. et al. (1966), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

35. *Anaulocomera darwinii* Scudder, 1893
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: Anaulocomera cornucervi
Origin: Native, Endemic.
Galapagos Distribution: San Cristóbal, Santa Cruz, Santiago.
References: Hebard, M. et al. (1920), Linsley, E.G. et al. (1966), Peck, S.B. et al. (1996), Peck, S.B. et al. (2001).

36. *Nesoecia cooksonii* (Butler, 1877)
Taxon status: Accepted name; taxon occurs in Galapagos.
Syn.: Nesoecia cooksoni ensifer, N. pallidus, N. paludicola
Origin: Native, Endemic.
Galapagos Distribution: Española, Fernandina, Isabela, Pinzón, Santa Cruz.

References: Linsley, E.G. et al. (1977), Peck, S.B. et al. (2001).

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