

# Results of the Belgian 1988-expedition to the Galápagos islands : Araneae.

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Contribution N° 442 of the Charles Darwin Research Foundation.

## Abstract

In this paper the detailed araneological results are given of the Belgian 1988-expedition to the Galápagos archipelago. For each of the 51 caught species, belonging to 26 families, the localities where they were found are given.

**Key-words :** Galápagos - Araneae - Distribution.

## Résumé

Ce travail donne les résultats aranéologiques détaillés de l'expédition belge effectuée en 1988 sur l'archipel des Galápagos. Pour chaque des 51 espèces capturées, appartenant à 26 familles, les localités de capture sont données.  
**Mots-clefs :** Galápagos - Araneae - Distribution.

## Introduction

In 1988, the authors spent two months (February 10 - April 5) on the Galápagos Islands in the scope of their Invertebrate survey of the archipelago, started in 1982. In a first publication (BAERT & MAELFAIT, 1986) the state of knowledge of the araneological fauna of the archipelago was given based upon the material sampled by the first two authors during their first stay in 1982, the available literature data and the collections of various Institutions.

In 1986, the authors visited the islands for the second time and succeeded in sampling the islands Santa Cruz, Pinzón, Rábida, Santiago, Pinta, Isabela (Cerro Azul, Sierra Negra and Volcán Alcedo) and San Cristóbal. The results of this expedition are given in BAERT, MAELFAIT & DESENDER (1989), together with a provisional checklist of the spiders of the archipelago.

In the course of our 1988-expedition, the remaining major islands (Floreana, Española, Marchena, Genovesa, Daphne Mayor, Fernandina and the top of Santa Cruz) and volcanoes (Volcán Wolf and Darwin of Isla Isabela) were sampled.

The present publication, giving the results of this last expedition, is built on the same canvas as the former ones.

For each of the discussed species we mention :

- the literature references if the species was not mentioned in both former publications;
- the material sampled in 1988;
- the other examined material. This section starts with the reference to the former publications (BAERT & MAELFAIT, 1986 and BAERT, MAELFAIT & DESENDER, 1989). The first author had also the opportunity to examine the spiders collected by Prof. A. FRANZ in 1975;
- in both former sections we give the number of males, females and juveniles collected or examined, together with the month (roman ciphers) of capture;
- the distribution of the species over the archipelago. The islands marked with an asterisk were not previously mentioned for the species;
- the zoogeographic affinities are given for the species not mentioned in both former publications.

The localities sampled are given in Figure 1.

Some families are however still incomplete. For the Gnaphosidae, the genus *Camillina* is omitted. This genus is subjected to a more detailed study. The same holds for the Lycosidae. Due to a lack of good recent descriptions and/or revisional works a large deal of the spider material collected during the three surveys (1982, 1986 and 1988) still can not be identified with certainty. This is the case for the Oonopidae, some Pholcidae, Salticidae and Araneidae. For the Linyphiidae six species new to science were found in the course of the successive expeditions (1982, 1986 and 1988) and are described in a separate paper (BAERT, in press).

## Localities sampled in 1988

### ISLA SANTA CRUZ

*Locality 1 :* Puerto Ayora village, facade of building.

*Locality 2 :* The Charles Darwin Research Station (CDRS) located in the dry arid zone (Bahía Académica); in the buildings of the Station.

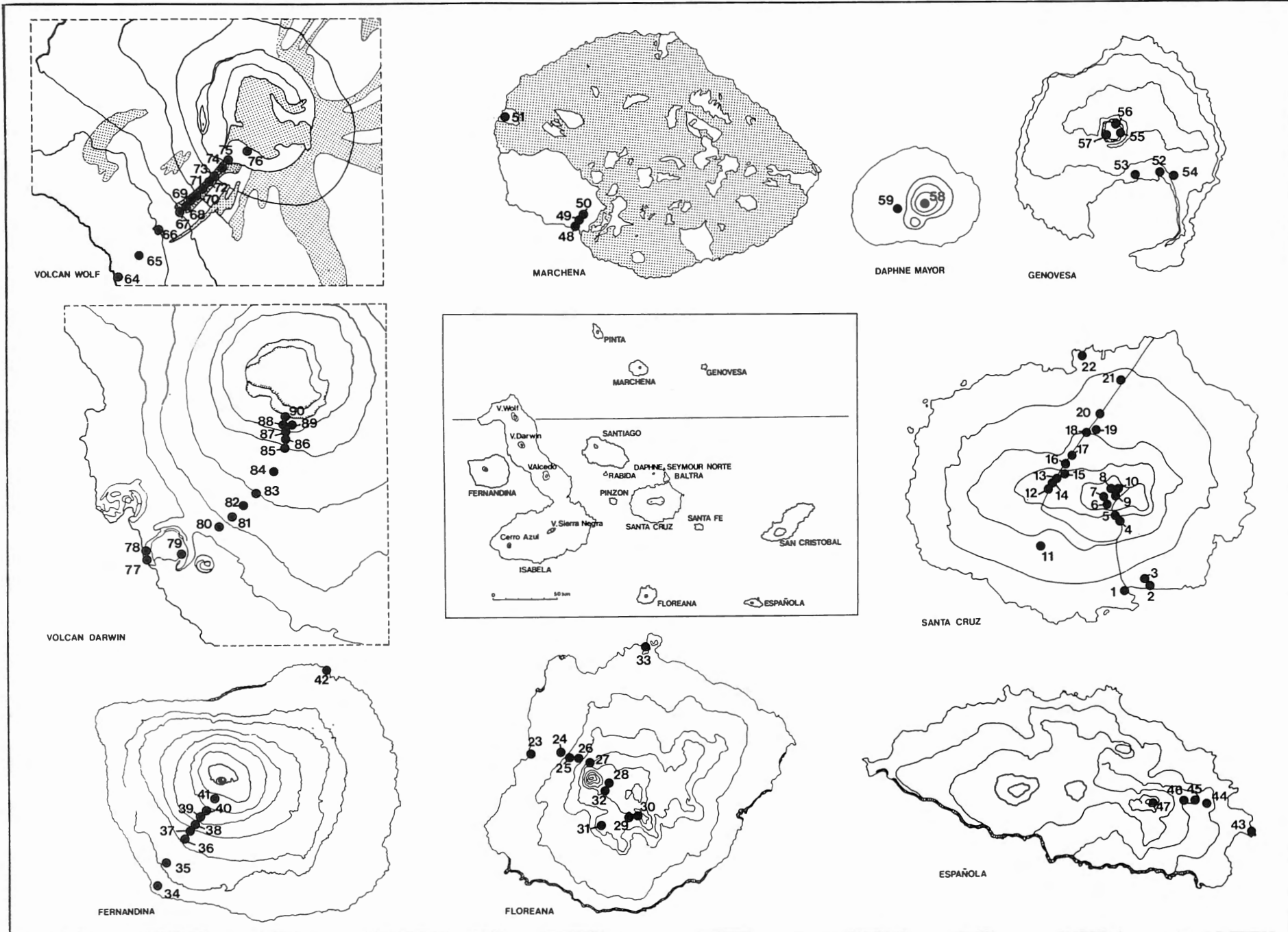


Fig. 1 : Localities sampled.

*Locality 3* : Nearby the seismological station of the CDRS, site called "Barranco". Spiders were caught under stones and on tree cacti (*Opuntia echios*). Deciduous steppe forest with a dominance of *Opuntia echios* and *Croton scouleri*.

*Localities 4 to 10* : Pitfall trapping and handcatches were carried out at different altitudes along the trail "Bellavista - Media Luna - top of Cerro Crocker".

*Loc. 4* : Altitude : 500 m (South). *Miconia* zone. Chopped part completely covered with grasses, ferns and low herbs.

*Loc. 5* : Altitude : 550 m (South). *Miconia*-wood (35 % coverage) with a dense undercover of *Pteridium aquilinum* ferns (35 % coverage); litter layer appr. 5 cm thick. Many death *Miconia* trees (cfr. 1986).

*Loc. 6* : Altitude : 700 m (Highland). Fern-sedge zone. Near pool along the trail to Cerro Crocker. Pitfalls located on the verge between pool and dense fern vegetation (*Pteridium aquilinum*).

*Loc. 7* : Altitude : 750 m (Highland). Fern-sedge zone. This sampling site was located between Cerro Puntudo and the basis of Cerro Crocker; with 66 % vegetation coverage of which nearly 60 % ferns.

*Loc. 8* : Altitude : 825 m. *Sphagnum* bog surrounded by *Lycopodium cernuum* (100 % coverage). Northern edge of Cerro Crocker.

*Loc. 9* : Altitude : 800 m. Crater floor dominated by *Lycopodium cernuum* and *Sphagnum* bogs.

*Loc. 10* : Altitude 875 m. Top of Cerro Crocker (East side). 100 % coverage of grasses, ferns and herbs.

*Locality 11* : Caseta Tortuga (altitude : 180 m).

*Localities 12 to 21* : Pitfall trapping and handcatches were carried out at different altitudes on a gradient on the northern slope along the main road connecting Puerto Ayora to the Baltra airport. Vegetation mapping of these sites was done by Bosco NOVAK, field assistant at the CDRS. The species of the vegetation are cited in decreasing order of dominance. Only those with a coverage (appr. %) of 5 % or more are listed (dominant species).

*Loc. 12* : Los Gemelos (altitude : 570 m). Open evergreen woodland of young *Scalesia* trees (the oldest trees (cfr. 1982 & 1986) died off after the 1982-1983 El Niño) situated along the western sink hole. Tree/shrub layer (70 % coverage) : *Scalesia pedunculata parviflora*, *Psidium galapageium*, *Psychotria rufipes*, *Tournefortia rufo-sericea*, *Chiococca alba* and *Zanthoxylum fagara*. Herb layer (30 % coverage) : the dominant species are the grass *Paspalum conjugatum* and the fern *Blechnum occidentale*.

*Loc. 13* : Los Gemelos. As former site but situated along the eastern sink hole. Tree/shrub layer (70 % coverage) : *Scalesia pedunculata parviflora*, *Zanthoxy-*

*lum fagara* and *Psychotria rufipes*. Herb layer (60 % coverage) : the fern *Blechnum occidentale* and the grasses *Borreria laevis*, *Paspalum conjugatum* and *Sida salviifolia*.

*Loc. 14* : Los Gemelos. An open pampa area within the *Scalesia* wood along the western sink hole, characterized as a grassland with scattered shrubs. Shrub layer (10 % coverage) : the dominant shrub is *Hibiscus diversifolius*. Herb layer (100 % coverage) : *Paspalum conjugatum*, *Paspalum galapageium*, *Stenotaphrum secundatum*, *Scleria pterota* and *Polypodium tridens*.

*Loc. 15* : Altitude : 560 m (North). Typical closed forest of the transition zone (trees covered with lichens). Tree/shrub layer (90 % coverage) : *Psidium galapageium*, *Tournefortia rufo-sericea*, *Bursera graveolens* and *Zanthoxylum fagara*. Herb layer (20 % coverage) : *Plumbago scandens* and *Alternanthera echinocephala*.

*Loc. 16* : Altitude : 500 m (North). Closed semi-dry deciduous forest with a brown dry soil with many seedlings. Dense green tree/shrub layer (80 % coverage) : *Bursera graveolens*, *Waltheria ovata*, *Zanthoxylum fagara*, *Pisonia floribunda*, *Psidium galapageium* and *Piscidia carthagenensis*. Very diverse herb layer (20 % coverage).

*Loc. 17* : Altitude 400 m (North). Almost closed dry deciduous forest of the transition type. Tree/shrub layer (80 % coverage) : *Tournefortia psilostachya*, *Bursera graveolens*, *Pisonia floribunda*, *Zanthoxylum fagara* and *Waltheria ovata*. Herb layer (20 % coverage) : the dominant species are *Bastardia viscosa*, *Rhynchosia minima* and an *Acanthaceae* species. Brown-black soil between lava rocks.

*Loc. 18* : Altitude 300 m (North). Dry deciduous forest of the transition type. Tree/shrub layer (40 % coverage) : *Bursera graveolens*, *Pisonia floribunda*, *Zanthoxylum fagara* and *Tournefortia psilostachya*. Herb layer (60 % coverage) : *Ipomoea triloba*, an *Acanthaceae* species, *Blainvillea dichotoma*, *Heliotropium angiospermium* and *Abutilum depauperatum*. Yellow-brown soil between lava blocks.

*Loc. 19* : Altitude 250 m (North). A secondary *Waltheria* stand in a dry deciduous forest at the entrance of an exploited cerro. Tree/shrub layer (50 % coverage) : *Waltheria ovata* and *Tournefortia psilostachya*. Herb layer (50 % coverage) consisted of *Merremia aegyptica* and *Blainvillea dichotoma*. Brown soil with some gravel.

*Loc. 20* : Altitude 150 m (North). Open dry deciduous forest. Palo santo wood with thorny shrubs. Tree/shrub layer (40 % coverage) : *Bursera graveolens*, *Zanthoxylum fagara* and *Acacia insulae-iacobbi*. Herb layer (20 % coverage) : *Passiflora suberosa* and *Rhynchosia minima*. Brown soil, rocky with very few litter.

*Loc. 21* : Altitude 50 m (North). Open dry deciduous forest with a tree/shrub layer (20 % coverage) domi-

nated by *Bursera graveolens*. Soil rocky with very few litter and covered with *Passiflora suberosa*. Some *Opuntia* cacti (height ca. 1 m).

*Locality 22* : Playa Bachas near laguna (lighttrapping).

#### ISLA FLOREANA (20.II - 22.II)

*Locality 23* : Black beach and dry arid zone : among xerophyllous vegetation, under stones and on the beach.

*Localities 24 to 28* : West - northwestern gradient along the road from Puerto Velasco Ibarro up to Cerro Pajas (pitfalls and hand catches).

*Locality 24* : Altitude 100 m. A dry season deciduous steppe forest with dense shrub vegetation, a.o. *Cordia anderssonii* and *Acacia* ssp. Undergrowth completely dried.

*Locality 25* : Altitude 150 m. Finca of the family Cruz.

*Locality 26* : Altitude 200 m. A deciduous forest with a thin vegetation of e.g. *Bursera graveolens* and *Acacia* ssp. Undergrowth completely dried, soil gravelly.

*Locality 27* : Altitude 300 m. Transition to *Scalesia* woodland. Vegetation mainly composed of *Tournefortia rufo-sericea* and *Scalesia pedunculata*; with thin shrub undergrowth; rocky soil.

*Locality 28* : Altitude 350 m. East of Cerro Pajas. *Scalesia* wood. A mesophytic microphyllous evergreen forest dominated by a *Scalesia pedunculata* - *Croton scouleri* community.

*Locality 29* : Highland. Altitude 350 m. Finca of Claudio Cruz. A *Psidium guajava*-orchard with a dense undergrowth of grasses and some small shrubs (height : 50 cm).

*Locality 30* : Highland. Altitude 360 m. Secondary wood of *Psidium guajava*, *Citrus* ssp and *Zanthoxylum fagara*. Many epiphytes (Bromeliaceae and Piperaceae). Undergrowth mainly composed of ferns.

*Locality 31* : Highland. Altitude 350 m. At Wittmer well, Cerro Wittmer. In litter.

*Locality 32* : Highland. Altitude 340 m. *Scalesia* wood, southeast of Cerro Pajas. Mesophytic microphyllous evergreen forest dominated by a *Scalesia pedunculata* - *Croton scouleri* community.

*Locality 33* : Punta Cormorant, eastern shore of laguna. Vegetation composed of *Cryptocarpus pyriformis*, *Maytenus octogona*, *Avicenna germinans*, *Laguncularia racemosa* and mangroves.

#### ISLA FERNANDINA (24.II - 28.II, 24.III)

*Locality 34* : Cabo Hammond; along small beach; within dense *Sporobolus virginicus* grasses covered with *Ipomoea triloba* and with some *Scutia pauciflora*; along small laguna under tidal influence.

*Locality 35* : Altitude 200 m. Cerro Verde; *Bursera graveolens* wood with *Zanthoxylum fagara*, *Macraea laricifolia*, *Cordia* sp, *Waltheria ovata*, *Croton scouleri*, *Darwiniothamnus lancifolius glandularis*, *Alternanthera filifolia* and grasses.

*Locality 36* : Altitude 400 m. Beginning of encañada, soil covered by grasses and sedges (mainly *Carex* species).

*Locality 37* : Altitude 600 m. Vegetation (40 % coverage) mainly composed of *Psychotria rufipes*, *Zanthoxylum fagara* and *Scalesia microcephala*. Undergrowth of ferns, sedges and different grasses.

*Locality 38* : Altitude 800 m. Vegetation (total coverage) mainly composed of ferns and grasses with some *Zanthoxylum fagara* and *Psychotria rufipes* shrubs.

*Locality 39* : Altitude 1000 m. Total coverage with ferns and sedges, some sparse *Commicarpus tuberosus* and *Psychotria rufipes* plants.

*Locality 40* : Altitude 1200 m. Volcanic ashes with very few *Psychotria rufipes* shrubs and grasses (less than 10 % coverage).

*Locality 41* : Altitude 1420 m. Near fumarole at crater rim. Shrub layer (40 % coverage) composed of *Macraea laricifolia*, *Psychotria rufipes* and *Scalesia microcephala*. Herb layer (nearly 70 % coverage) of annual grasses and few herbs. Some small patches of barren ground.

*Locality 42* : (24.III). Punta Espinosa. Pools between pure pahoehoe lava with mangrove.

#### ISLA ESPANOLA (3 - 9.III)

*Locality 43* : Punto Cevallos. Along coast. Different places were sampled :

- old abandoned army road with a vegetation mainly composed of *Cordia lutea* and *Acacia rorudiana*; under stones, between dry grasses;
- *Cryptocarpus pyriformis* field;
- "Masked boobies" colony; under stones and between dry grasses.

*Locality 44* : Altitude 50 m (East). Between rockboulders. Vegetation : *Cordia lutea* and *Acacia rorudiana*.

*Locality 45* : Altitude 80 m. Vegetation composed of *Lantana peduncularis*, *Acacia rorudiana* and *Cordia lutea*. Red brown soil covered with a thick litter layer, seedlings and dry herbs.

*Locality 46* : Altitude 110 m. Under stones along rockwall. Vegetation : *Cordia lutea*, *Parkinsonia aculeata* and *Acacia rorudiana*.

*Locality 47* : Altitude 175 m. Subtop of island. Vegetation mainly composed of *Cordia lutea*, *Lantana peduncularis*, *Parkinsonia aculeata* and *Acacia rorudiana*.

#### ISLA MARCHENA (10 - 11.III)

*Locality 48* : Playa Negra, along coast. Vegetation girdle mainly composed of *Cordia lutea*, *Bursera graveolens*, *Lantana peduncularis*, *Opuntia helleri*, *Croton scouleri* and *Cryptocarpus pyriformis* stands; under stones and in vegetation.

*Locality 49* : Playa Negra, altitude 25 m, inland. Dense shrub/bush layer mainly composed of *Bursera graveolens*, *Croton scouleri*, *Lantana peduncularis*, *Chamaesyce viminea* and *Castela galapageia*. Herb layer richer and thicker than in following locality.

*Locality 50* : Playa Negra, altitude 50 m inland. Dense shrub/bush layer composed of *Bursera graveolens*, *Croton scouleri*, *Lantana peduncularis* and *Waltheria ovata*, some *Opuntia helleri* and a few sedges. Very thin litter layer.

*Locality 51* : Punta Mejia. Different stands along the coast were sampled :

- *Cryptocarpus pyriformis* belt;
- Ash slope covered with *Coldenia* sp., *Tiquilia* sp. and *Opuntia helleri*;
- *Croton scouleri* belt located behind *Cryptocarpus* belt with a vegetation mainly composed of *Opuntia helleri*, *Croton scouleri*, *Bursera graveolens*, *Cordia lutea*, some *Waltheria ovata*, *Lantana peduncularis* and *Castela galapageia*, few grasses and *Tiquilia* herbs.

#### ISLA GENOVESA (12 - 14.III)

*Locality 52* : Beach of Bahía Darwin. *Cryptocarpus pyriformis* stand along small pool subject to tides; under Mangrove.

*Locality 53* : Along Northern Barranco at Bahía Darwin, bare lava with *Opuntia helleri* and *Cordia lutea* as main vegetation.

*Locality 54* : Bahía Darwin, eastern barranco. Main vegetation : *Bursera graveolens*, *Opuntia helleri* and *Cordia lutea*.

*Locality 55* : Lago Arcturus. First platform inside the crater, altitude 60 m. Vegetation composed of *Cordia lutea*, *Bursera graveolens*, few *Croton scouleri* and *Opuntia helleri*. Rocky.

*Locality 56* : Lago Arcturus, bottom of crater, northern border of the lake, between mangrove.

*Locality 57* : Lago Arcturus, bottom of crater, southwestern border of the lake. Rocks covered with mangrove and Cyperaceae.

#### ISLA DAPHNE MAIOR (15.III)

*Locality 58* : Crater bottom with a sparse vegetation mainly composed of *Opuntia echios*, a few *Croton scouleri* shrubs, dry herbs and grasses.

*Locality 59* : Outer flanks of the crater.

#### ISLA SAN CRISTOBAL (2 - 8.III - leg. BOSCO NOVAK)

*Locality 60* : Highland, altitude 540 m. *Miconia robinsoniana* - and *Psidium guajava* forest with *Panicum laxum*, *Centella asiatica* grass and *Pteridium* ferns.

*Locality 61* : Highland, altitude 600 m. Along border of the "El Junco" lake. Vegetation : *Polygonum* sp., *Rubus* sp., *Centella asiatica*, *Panicum laxum* and *Psidium guajava*.

*Locality 62* : Near the house of Señor ROSILLO, some 2 km from El Junco, altitude appr. 550 m.

#### ISLA SANTIAGO (19.III)

*Locality 63* : Playa Espumila, laguna with mangrove (light-trapping).

#### ISLA ISABELA - VOLCAN WOLF (20 - 24.III)

*Locality 64* : Landing site north of Punto Bravo. 1° Camp site with *Maytenus octogona* and *Bursera graveolens* vegetation; 2° In *Sporobolus pyramidatus* grass behind mangrove girdle; 3° On the beach (lighttrapping).

*Locality 65* : Lowland; *Bursera graveolens* wood with *Lantana peduncularis*, *Alternanthera filifolia*, *Cordia lutea* and *Scutia parciflora*. Herb layer completely dry.

*Locality 66* : Altitude 125 m. Under *Pisonia floribunda* tree. Vegetation composed of *Bursera graveolens*, *Zanthoxylum fagara*, *Tournefortia* sp., *Waltheria ovata* and *Gossypium* sp.; undergrowth (20 % coverage) with herbs, *Passiflora* sp., sedges and grasses; few litter.

*Locality 67* : Altitude 350 m. Under *Pisonia floribunda* tree in dense *Croton scouleri* wood with an undergrowth (40 % coverage) of annual grasses.

*Locality 68* : Altitude 400 m. Under *Pisonia floribunda* tree. Bare soil with moderate litter layer.

*Locality 69* : Altitude 600 m. Shrublayer (70 % coverage) composed of *Pisonia floribunda*, *Bursera graveolens*, *Psidium galapagaeium* and *Zanthoxylum fagara*; with green veil vegetation. Thick litter layer.

*Locality 70* : Altitude 675 m. Vegetation comparable with previous site.

*Locality 71* : Altitude 825 m. Vegetation comparable with both previous sites but here with rich herblayer of grasses and ferns.

*Locality 72* : Altitude 1000 m. Appr. 50 % coverage with *Zanthoxylum fagara*, *Tournefortia* sp., *Cordia lutea*, *Macraea laricifolia* and *Psidium galapagaeium*. Total coverage with fern undergrowth (cfr. *Pteridium*) and creeping plants. Rocky (lava boulders) with thick litter layer, no soil.

*Locality 73* : Altitude 1200 m. 60-70 % coverage with *Zanthoxylum fagara*, *Croton scouleri*, *Scalesia* sp., *Macraea laricifolia*, *Psidium galapagaeium*, *Ipomoea* sp., ferns and *Opuntia* sp. Rocky (lava boulders) with soil but less litter than in previous site.

*Locality 74* : Altitude 1425 m. Vegetation mainly composed of *Opuntia* sp., *Scalesia* sp.; herb layer (40-50 % coverage) with *Commicarpus* sp., *Lantana peduncularis*, *Zanthoxylum fagara*, various fern species and grasses.

*Locality 75* : Altitude 1625 m. Vegetation (20 % coverage) mainly composed of two *Scalesia* species, *Macraea laricifolia* in tree form, *Opuntia* sp. and "Garrapatero"-grasses.

*Locality 76* : Altitude 1700 m, top of vulcano, crater rim. Shrub layer (20 % coverage) with *Opuntia* sp., *Macraea laricifolia* in tree form, two *Scalesia* species and *Tournefortia* sp.. Herb layer (70 % coverage) composed of an *Alternanthera* sp. and "Garrapatero"-grasses.

#### ISLA ISABELA - VOLCAN DARWIN (25 - 28.III)

*Locality 77* : Beagle crater, landing site, beach (lighttrapping).

*Locality 78* : Beagle crater; outer western crater flank. Shrub layer (80 % coverage) mainly composed of *Cordia lutea* and *Bursera graveolens*. Herb layer : a few dry grasses. Soil gravelly.

*Locality 79* : Beagle crater, eastern border of inner lake. Total coverage with *Spirobolus pyramidatus* grasses. A *Cordia lutea* shrub was also sampled.

*Locality 80* : Altitude 200 m. Shrub layer (80 % coverage) dominated by *Bursera graveolens*, with *Zanthoxylum fagara*, *Scalesia affinis*, *Croton scouleri*, *Waltheria ovata*, *Castela galapageia*, *Opuntia insularis* and *Cordia leucophlyctis*. Herb layer (80 % coverage) consisting of dry grasses.

*Locality 81* : Altitude 400 m. Shrub layer (60 % coverage) dominated by *Bursera graveolens*, *Croton scouleri* and *Waltheria ovata*; furthermore a few *Pisonia floribunda*, *Scalesia affinis* and *Opuntia insularis*. Bare lava soil with a few grasses, sedges and herbs.

*Locality 82* : Altitude 500 m. Shrub layer (15 % coverage) with *Bursera graveolens*, *Croton scouleri*, *Macraea laricifolia*, *Zanthoxylum fagara*, *Opuntia insularis* and *Waltheria ovata*. Some lichens hanging on the shrubs. Stony underground, half covered with grasses, sedges and various herbs.

*Locality 83* : Altitude 600 m. Shrub layer (85 % coverage) dominated by *Scalesia microcephala*, *Bursera graveolens* and *Croton scouleri*; furthermore a few *Zanthoxylum fagara* and *Tournefortia* sp.. Rocky underground nearly half covered with grasses, creeping plants, ferns and a few herbs (e.g. *Darwiniothamnus tenuifolius*); A lot of wood debris.

*Locality 84* : Altitude 800 m. Shrub layer (70 % coverage) dominated by *Croton scouleri*, *Scalesia microcephala* and *Macraea laricifolia*; further a few *Castela galapageia* and *Dodonaea viscosa*. Herb layer (80 % coverage) dominated by grasses, a few sedges and herbs (e.g. *Lantana peduncularis*, *Darwiniothamnus tenuifolius*), ferns and creeping plants.

*Locality 85* : Altitude 900 m. Shrub layer (85 % coverage) dominated by *Macraea laricifolia* (shrub), *Dodonaea viscosa* and *Zanthoxylum fagara*; some *Opuntia insularis* and *Scalesia microcephala*. A herb layer (40-50 % coverage) of grasses.

*Locality 86* : Altitude 1000 m. Shrub layer (70 % coverage) dominated by *Macraea laricifolia* (shrub) and *Dodonaea viscosa*; also with some *Opuntia insularis*, *Zanthoxylum fagara*, the two *Scalesia* species and *Croton scouleri*. A herb layer (25 % coverage) of grasses and ferns.

*Locality 87* : Altitude 1100 m. Shrub layer (1.5 m high, 60 % coverage) dominated by *Macraea laricifolia* (shrub) with *Dodonaea viscosa*, *Scalesia microcephala* and *Opuntia insularis*. Soil gravelly and covered with lichens and a herb layer (35 % coverage) of grasses, ferns and some herbs.

*Locality 88* : Altitude 1200 m. Shrub layer (60 % coverage) dominated by *Macraea laricifolia* (shrub) and *Dodonaea viscosa*; with some *Scalesia* sp., *Opuntia insularis* and *Zanthoxylum fagara*. Herb layer (30 % coverage) dominated by ferns but with a few grasses.

*Locality 89* : Altitude 1200 m. Lava tunnel. Fine brown humid soil mainly covered by ferns (30 % coverage).

*Locality 90* : Altitude 1300 m. Shrub layer (80 % coverage) dominated by *Scalesia* and *Dodonaea viscosa*; furthermore a few *Zanthoxylum fagara*, *Macraea laricifolia* (shrub) and *Opuntia insularis*. Black soil covered with a herb layer (50 % coverage) dominated by grasses and with some ferns and herbs.

## ISLA ISABELA - VOLCAN ALCEDO (28.III)

*Locality 91* : Bahía Urvina. Vegetation along black beach mainly composed of *Cordia lutea* and *Waltheria ovata*.

## ISLA ISABELA - VOLCAN SIERRA NEGRA (29.III)

*Locality 92* : Puerto Villamil. Lighttrapping along dunes and lagoons with mangrove.

## SYSTEMATIC ACCOUNT

## ANYPHAENIDAE

*Anypaenoides pacifica* (Banks, 1902)*Material sampled in 1988*

SANTA CRUZ : Locality 2 (1 ♀ : III), Locality 20 (1 SA ♀ : IV).

FERNANDINA (II) : Locality 35 (1 ♂). MARCHENA (III) : Locality 48 (2 ♂♂), Locality 50 (2 j), Locality 51 (2 j).

ISABELA : *Volcán Wolf* (III) : Locality 65 (3 ♀♀), Locality 66 (1 ♂, j), Locality 73 (2 j), Locality 74 (1 ♂, 1 SA ♂, j♀), Locality 75 (1 ♂, 1 SA ♀, 2 j), Locality 76 (3 ♂♂, 1 ♀, j). *Volcán Darwin* (III) : Locality 80 (1 ♀), Locality 82 (1 ♀, j), Locality 84 (1 ♀), Locality 85 (1 SA ♀), Locality 86 (3 ♂♂, 2 ♀♀, 3 j), Locality 87 (4 j), Locality 88 (1 SA ♂, 1 SA ♀), Locality 90 (1 ♂, 1 ♀, 6 j).

*Other material examined*

- cfr BAERT & MAELFAIT (1986) : p. 97, Map 7;
- cfr BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : PINZON : crater rim (1 ♂, 1 ♀ : VI). SAN CRISTOBAL : Puerto Grande (1 ♀ : VI).

*Distribution*

Floreana, Fernandina\*, Isabela (Alcedo, Darwin\*, Wolf\*), Marchena\*, Pinta, Pinzon, San Cristóbal, Santa Cruz, Santiago and Seymour Norte.

## ARANEIDAE

*Argiope argentata* (Fabricius, 1775)*Material sampled in 1988*

SANTA CRUZ (II) : Locality 3 (1 ♀, j). FLOREANA (II) : Locality 24 (1 ♀, j), Locality 25 (j ♀), Locality 26 (1 ♀, 1 SA ♀), Locality 33 (1 SA ♀). FERNANDINA (II) : Locality 34 (1 ♂, 7 ♀♀, j ♀, 2 j), Locality 36 (1 ♂).

ESPANOLA (III) : Locality 45 (j), Locality 46 (j), Locality 47 (2 j).

MARCHENA (III) : Locality 48 (2 ♀♀, 2 j), Locality 50 (1 SA ♀), Locality 51 (1 SA ♀, 2 j ♀♀, j).

GENOVESA (III) : Locality 53 (2 j ♀♀), Locality 54 (1 ♂, 1 SA ♀, 13 j).

DAPHNE MAIOR (III) : Locality 58 (1 ♂, 4 ♀♀, 5 SA ♀♀, 2 j), Locality 59 (3 ♀♀).

SANTIAGO (III) : Locality 63 (1 SA ♂, 1 ♀, 2 SA ♀♀, 2 j).

ISABELA : *Volcán Wolf* (III) : Locality 64 (1 SA ♀), Locality 65 (2 SA ♂♂, j), Locality 66 (SA ♂), Locality 74 (j). *Volcán Darwin* (III) : Locality 79 (2 j), Locality 80 (1 SA ♂), Locality 81 (1 SA ♂, j ♀), Locality 82 (1 ♀), Locality 83 (j), Locality 88 (j).

*Other material examined*

- cfr BAERT & MAELFAIT (1986) : p. 97, Map 3;
- cfr BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : SANTA CRUZ : Cerro Colorado (1 ♀ : V), Playa Tortuga (1 ♀ : VI). FLOREANA : Post Office Bay (1 ♀, j : V), Punta Cormorant (1 ♀ : V). SAN CRISTOBAL : Puerto Grande (1 ♀, j : VI). SANTA FE : (j : V). SANTIAGO : Bucanero camp (j : VI).

*Distribution*

Baltra, Daphne maior, Española, Fernandina, Floreana, Genovesa, Isabela (Darwin, Alcedo, Sierra Negra, Cerro Azul, Wolf\*), Marchena, Pinta, Pinzón, Rábida, San Cristóbal, Santa Cruz, Santa Fé, Santiago and Seymour Norte.

*Cyclosa turbinata* (Walckenaer, 1841)*Material sampled in 1988*

FLOREANA (II) : Locality 29 (1 ♀). FERNANDINA (II) : Locality 34 (2 ♀♀). MARCHENA (III) : Locality 51 (1 SA ♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 98, Map 4;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Baltra, Española, Fernandina, Floreana, Genovesa, Isabela (Darwin), Marchena\*, Rábida, San Cristóbal, Santa Cruz, Santa Fé and Santiago.

*Gasteracantha cancriformis* (Linnaeus, 1767)*Material sampled in 1988*

SANTA CRUZ (II) : Locality 11 (SA ♂, 2 ♀♀).



FLOREANA (II) : Locality 25 (2 ♀♀, 2 j), Locality 30 (1 ♂, 10 ♀♀, j), Locality 33 (1 ♂, 4 ♀♀).

FERNANDINA (III) : Locality 42 (1 ♀).

GENOVESA (III) : Locality 55 (1 ♂, 5 ♀♀), Locality 57 (2 ♀♀).

SANTIAGO (III) : Locality 63 (j).

ISABELA : *Volcán Wolf* (III) : Locality 64 (1 ♀, j), Locality 68 (j ♀), Locality 69 (1 ♀). *Volcán Darwin* (III) : Locality 79 (3 j), Locality 81 (2 ♀♀).

#### *Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 98, Map 5;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : ISABELA : Sierra Negra, La Torre near Sto Tomás (1 ♀ : V). SANTA CRUZ : Top of Cerro Crocker (1 ♀ : V).

#### *Distribution*

Fernandina, Floreana, Genovesa\*, Isabela (Darwin, Sierra Negra, Alcedo, Cerro Azul, Wolf\*), Pinta, Rábida, San Cristóbal, Santa Cruz and Santiago.

#### **Metepeira desenderi** Baert, 1987

#### *Material sampled in 1988*

SANTA CRUZ (II) : Locality 3 (2 ♀♀).

ESPANOLA (III) : Locality 43 (SA ♂), Locality 44 (5 ♀♀, SA ♀), Locality 47 (1 ♀).

MARCHENA (III) : Locality 48 (3 ♂♂, 1 ♀, 7 j), Locality 51 (1 ♂, 1 ♀, j).

GENOVESA (III) : Locality 52 (2 ♂♂, SA ♂, 4 ♀♀, SA ♀, 7 j), Locality 53 (5 ♂♂, 2 SA ♂, 7 ♀♀, 5 SA ♀), Locality 54 (2 ♂♂, 2 ♀♀, 2 j), Locality 55 (1 ♂, 3 ♀♀, SA ♀), Locality 56 (j).

#### *Other material examined*

- cfr. BAERT (1987) : p. 145;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

#### *Distribution*

Daphne maior, Española, Fernandina, Floreana, Genovesa, Isabela (Alcedo, Darwin, Sierra Negra), Marchena, Pinta, Pinzón, Rábida, San Cristóbal, Santa Cruz, Santa Fé, Santiago, Seymour Norte and Wolf.

#### **Neoscona cooksoni** (Butler, 1877)

#### *Material sampled in 1988*

SANTA CRUZ : Locality 3 (j ♀ : II), Locality 18 (2 SA ♂, 4 SA ♀ : III), Locality 19 (3 j : III), Locality 22 (4 j : III).

FLOREANA (II) : Locality 23 (4 j), Locality 24 (SA ♂, 10 j), Locality 25 (2 j ♀), Locality 27 (17 j), Locality 29 (j ♀), Locality 33 (2 j).

FERNANDINA (II) : Locality 34 (2 SA ♂, 5 ♀♀, 5 j), Locality 35 (4 j), Locality 36 (4 j), Locality 38 (j ♀), Locality 41 (22 j).

ESPANOLA (III) : Locality 43 (SA ♂, 10 j), Locality 45 (1 ♀), Locality 47 (2 j).

GENOVESA (III) : Locality 52 (5 j ♀, j ♂), Locality 53 (3 j), Locality 54 (j), Locality 55 (12 j ♀♀, 4 j ♂♂), Locality 56 (j).

DAPHNE MAIOR (III) : Locality 58 (3 j ♀), Locality 59 (js).

SANTIAGO (III) : Locality 63 (SA ♂, 3 ♀♀, 5 j ♀).

ISABELA : *Volcán Wolf* (III) : Locality 65 (j), Locality 66 (5 j), Locality 68 (2 j), Locality 71 (j ♀), Locality 72 (j), Locality 76 (2 ♀♀, j ♂, 9 j ♀♀). *Volcán Darwin* (III) : Locality 78 (7 j), Locality 79 (SA ♂, 2 j ♀), Locality 80 (SA ♂), Locality 84 (j), Locality 86 (j), Locality 88 (SA ♂, j ♂), Locality 90 (SA ♂, 2 j). *Volcán Alcedo* (III) : Locality 91 (3 ♂♂, 4 ♀♀).

#### *Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 100, Map 6;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : FLOREANA : Post Office Bay (j ♂ : V). SAN CRISTOBAL : Cerro San Joaquin (1 ♀ : V); Puerto Baquerizo (1 ♀ : V). ISABELA : Cerro Azul, Caleta Iguana (1 ♀ : VI). SANTIAGO : Bucanero camp (1 ♀ : VI).

#### *Distribution*

Balra, Daphne Maior\*, Eden, Española, Fernandina, Floreana, Genovesa, Isabela (Alcedo, Cerro Azul, Darwin, Sierra Negra, Wolf\*), Pinzón, Rábida, San Cristóbal, Santa Cruz, Santa Fé, Santiago and Seymour Norte.

### **CLUBIONIDAE**

#### **Corinna wollebooki** Banks, 1930

#### *Material sampled in 1988*

SANTA CRUZ (III) : Locality 2 (8 ♂♂, 2 ♀♀), Locality 19 (1 ♀).

FLOREANA (II) : Locality 30 (1 ♀), Locality 31 (2 ♀♀), Locality 32 (1 ♂).

#### *Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 100, Map 7;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

#### *Distribution*

Floreana, San Cristóbal and Santa Cruz.



## CTENIDAE

*Odo insularis* Banks, 1902*Material sampled in 1988*

SANTIAGO (III) : Locality 63 (2 ♀♀, j).  
 ISABELA : *Volcán Wolf* (III) : Locality 64 (1 ♀, 2 SA ♀♀), Locality 74 (1 ♀, j ♀). *Volcán Darwin* (III) : Locality 79 (1 ♀).

*Other material examined*

- cfr. BAERT(1987) : p. 154;
- cfr. BAERT, MAELFAIT & DESENDER(1989);
- FRANZ, 1975 : SANTIAGO : James Bay (1 ♀ : VI).

*Distribution*

Balra, Eden, Fernandina, Isabela (Alcedo, Darwin, Wolf\*), Pinzón, Santa Cruz and Santiago.

## DICTYNIDAE

*Emblyna formicaria* Baert, 1987*Material sampled in 1988*

ISABELA : *Volcán Wolf* (III) : Locality 75 (1 ♀).

*Other material examined*

- cfr. BAERT(1987) : p. 149.

*Distribution*

Isabela (Beagle crater, Wolf\*).

*Tivyna spathula* (Gertsch & Davis, 1937)*Material sampled in 1988*

SANTA CRUZ : Locality 2 (SA ♂, 3 ♀♀, 4 j : III), Locality 19 (1 ♂, 2 ♀♀ : II; 3 ♂♂, 2 ♀♀ : IV), Locality 20 (2 ♂♂ : III; 2 ♀♀ : IV), Locality 21 (1 ♂ : IV).  
 FERNANDINA (II) : Locality 34 (3 ♂♂, 3 ♀♀, 3 j), Locality 35 (1 ♂, SA ♂, j).  
 ESPANOLA (III) : Locality 43 (SA ♂).  
 MARCHENA (III) : Locality 48 (3 SA ♂♂, 7 j), Locality 51 (6 ♂♂, 2 SA ♂♂, 7 ♀♀, j).  
 SANTIAGO (III) : Locality 63 (3 ♂♂, SA ♂, 2 ♀♀).  
 ISABELA : *Volcán Wolf* (III) : Locality 65 (SA ♂). *Volcán Darwin* (III) : Locality 79 (1 ♀), Locality 80 (1 ♂, j ♂, j ♀). *Volcán Alcedo* (III) : Locality 91 (7 ♂♂, 2 ♀♀, 2 j). *Volcán Sierra Negra* (III) : Locality 92 (1 ♂, SA ♂).

*Other material examined*

- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : SANTIAGO : Bucanero camp (3 ♀♀, j ♀ : VI).

*Distribution*

Fernandina, Española\*, Isabela (Alcedo, Darwin\*, Sierra Negra, Wolf\*), Marchena\*, Rábida, Santa Cruz and Santiago.

## DYSDERIDAE

*Ariadna tarsalis* (Banks, 1902)*Material sampled in 1988*

FERNANDINA (III) : Locality 42 (1 ♂, 1 ♀, 2 j ♀♀).  
 ISABELA : *Volcán Wolf* (III) : Locality 66 (1 ♀, 3 j ♀♀), Locality 67 (1 ♂), Locality 68 (1 ♀).

*Other material examined*

- cfr. BAERT, MAELFAIT & DESENDER(1989):
- FRANZ, 1975 : SANTA FE : (j ♀ : V). SAN CRISTOBAL : Cerro El Junco (2 j ♀♀ : V);
- LUBIN, 1982 : PINTA : 1500ft alt. (1 ♂ : II). SANTIAGO : Los Jaboncillos, 2700ft (1 ♀ : IV).

*Distribution*

Balra, Culpepper, Fernandina, Isabela (Wolf\*), Pinta, Pinzón, San Cristobal\*, Santa Cruz, Santa Fé\* and Santiago.

## EUSPARRASIDAE

*Heteropoda venatoria* Linnaeus, 1767*Material sampled in 1988*

SANTA CRUZ (II) : Locality 2 (1 ♀).  
 FLOREANA (III) : Locality 29 (2 ♀♀ + egg cocoon).  
 SANTIAGO (III) : Locality 63 (1 ♂).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 102, Map 9;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : SANTA CRUZ : CDRS-building (1 ♂ : V).

*Distribution*

Floreana, Isabela (Sierra Negra), San Cristóbal, Santa Cruz and Santiago\*.

**Olios galapagoensis** Banks, 1902*Material sampled in 1988*

SANTA CRUZ : Locality 2 (1 ♂ : II; 1 ♀ : III), Locality 8 (j : III), Locality 10 (1 ♂ : II), Locality 12 (SA ♂ : III), Locality 13 (1 ♀ : III), Locality 16 (j ♀ : IV) Locality 17 (j : IV), Locality 18 (j ♀ : III).

FERNANDINA (III) : Locality 42 (j).

MARCHENA (III) : Locality 48 (1 ♂, SA ♂), Locality 49 (1 ♂, 1 ♀), Locality 51 (SA ♂).

ISABELA : *Volcán Wolf* (III) : Locality 72 (j), Locality 73 (SA ♀, 2 j), Locality 75 (SA ♂), Locality 76 (1 ♀, SA ♂, 3 j). *Volcán Darwin* (III) : Locality 78 (1 ♂), Locality 86 (1 ♀, j), Locality 87 (3 ♀ ♀), Locality 89 (SA ♀, j), Locality 90 (j).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 102, Map 10;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : PINZON : Crater rim (j : VI). PINTA : beach (j : VI). SANTIAGO : Bucanero camp (j ♀ : VI).

*Distribution*

Baltra, Eden, Española (Gardner), Fernandina, Isabela (Darwin, Sierra Negra, Wolf\*), Marchena\*, Pinta, Pinzón, San Cristóbal, Santa Cruz and Santiago.

**FILISTATIDAE****Filistatoides fasciatus** (Banks, 1902)*Material sampled in 1988*

ESPANOLA (III) : Locality 43 (2 ♀ ♀, 3 j), Locality 47 (2 j).

MARCHENA (III) : Locality 49 (5 ♀ ♀), Locality 50 (3 ♀ ♀, 14 j), Locality 51 (6 ♀ ♀, 6 j).

GENOVESA (III) : Locality 52 (j).

DAPHNE MAIOR (III) : Locality 59 (1 ♀).

ISABELA : *Volcán Wolf* (III) : Locality 65 (1 ♀, 3 j), Locality 66 (j). *Volcán Darwin* (III) : Locality 78 (1 ♀, 2 j).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 102, Map 7;
- cfr. BAERT (1987) : p. 151;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : ISABELA : Sierra Negra, Cerro de la Orchilla (j : VI). PINZON : Crater rim (j : VI). SAN CRISTOBAL : Playa Ochova (1 ♀ : V); Puerto Grande (j : VI). SANTIAGO : Bucanero camp (1 ♂, 2 j : VI).

*Distribution*

Culpepper, Daphne maior\*, Espanola\*, Floreana, Geno-

vesa, Isabela (Alcedo, Darwin, Wolf\*), Marchena, Pinta, Pinzón, Santa Cruz, Santa Fé, Santiago, Wolf.

**GNAPHOSIDAE****Poecilochroa bifasciata** Banks, 1902*Material sampled in 1988*

MARCHENA (III) : Locality 50 (1 ♀).

ISABELA : *Volcán Wolf* (III) : Locality 65 (1 ♂, 2 j).

*Volcán Darwin* (III) : Locality 87 (1 ♀).

*Other material examined*

- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Fernandina, Isabela (Darwin\* and Wolf\*), Marchena\*, Pinta and Santa Cruz.

**Trachyzelotes kulckzynski** (Bösenberg, 1902)*Material sampled in 1988*

SANTA CRUZ : Locality 17 (1 ♂ : II; 2 ♂ ♂ : IV).

*Other material examined*

- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

San Cristóbal and Santa Cruz.

**LINYPHIIDAE****Laminacauda denticelis** Millidge, 1985*Material sampled in 1988*

SANTA CRUZ : Locality 5 (1 ♂ : II), Locality 6 (1 ♂ : III), Locality 7 (3 ♂ ♂, 6 ♀ ♀ : II; 2 ♂ ♂, 1 ♀ : III; 2 ♀ ♀ : IV), Locality 8 (2 ♂ ♂, SA ♂, 2 ♀ ♀ : III; 1 ♂ : IV), Locality 9 (4 ♂ ♂, 4 ♀ ♀ : III), Locality 10 (10 ♂ ♂, 10 ♀ ♀ : II; 3 ♂ ♂, 5 ♀ ♀ : III; 1 ♂, js : IV).

*Other material examined*

- cfr. BAERT, MAELFAIT & DESENDER (1989);
- BAERT & MAELFAIT, 1982 : SANTA CRUZ : Upland NE of Media Luna, alt. 570-680 m (*Sphagnum*, fern-sedge zone), 10.II (1 ♂, 5 ♀ ♀, 2 j), 8-10.III (34 ♂ ♂, 51 ♀ ♀, 3 j); Los Gemelos, alt 570 m (open grass vegetation), 13.III (1 ♀). ISABELA : Volcán Sierra

- Negra, crater rim (fern-sedge zone), alt. 1060 m, 23.III (9 ♂♂, 18 ♀♀, 10 j). SAN CRISTOBAL : Along road to El Junco, alt. 600 m (near swamp), 3.III (5 ♂♂, 6 ♀♀); crater rim of El Junco (fern-sedge zone), 3.III (1 ♂);
- FRANZ, 1975 : ISABELA : Santo Tomás, Cueva de Zueca, 29.V (1 ♂, 1 SA ♀);
  - PECK, 1985 : SANTA CRUZ : Media Luna, alt. 620 m, *Miconia* vegetation, 14.V-13.VII (5 ♂♂, 1 ♀);
  - ABEDRABO S., 1986 : ISABELA : Volcán Sierra Negra : alt. 900 m, 10-14.II (8 ♂♂, 6 ♀♀), 15-17.IV (82 ♂♂, 18 ♀♀), 8-20.VII (140 ♂♂, 54 ♀♀).

#### Distribution

Isabela (Sierra Negra), San Cristóbal and Santa Cruz.

#### *Notiohyphantes excelsa* (Keyserling, 1886)

#### Material sampled in 1988

- SANTA CRUZ : Locality 4 (SA ♀ : III), Locality 5 (SA ♂ : II; 1 ♂, 1 ♀ : III), Locality 6 (1 ♀ : IV), Locality 7 (2 ♀♀ : II; SA ♀ : III), Locality 10 (2 ♀♀ : II), Locality 11 (1 ♂, 4 ♀♀, 2 SA ♂♂ : II). FLOREANA (II) : Locality 29 (1 ♂, 3 ♀♀), Locality 30 (1 ♂, 2 SA ♂♂, 2 ♀♀, 2 SA ♀♀), Locality 31 (2 j ♀♀). MARCHENA (III) : Locality 48 (SA ♂). SAN CRISTOBAL (III) : Locality 60 (SA ♀).

#### Other material examined

- cfr. BAERT, MAELFAIT & DESENDER (1989);
- BAERT & MAELFAIT, 1982 : SANTA CRUZ : Caseta Occidente, alt. 700 m, 17-18.III (4 ♀♀, 4 j.). El Chato trail : alt. 200 m, 30.III (9 ♂♂, 10 ♀♀); alt. 280 m, 30.III (3 ♂♂, 3 ♀♀). Media Luna trail : alt. 200-250 m (Culture zone), 10.III (1 ♂, 10 ♀♀, 4 j.); alt. 600 m (Media Luna, *Sphagnum*), 10.III (2 ♀♀, 1 SA ♂); alt. 600 m (pampa), 8.III (1 ♀). SAN CRISTOBAL : Along road to El Junco : Between El Progreso and the El Junco lake, alt. 500 m (*Aguayava* vegetation, 3.III (6 ♂♂, 9 ♀♀); alt. 600 m (road verge, near swamp), 3.III (1 ♂, 7 ♀♀, 8 j); El Junco lake (pampa), alt. 700 m, 3.III (8 ♀♀, 6 j.);
- SCHATZ, 1985 : SAN CRISTOBAL : *Miconia* zone, 29.III (1 ♂);
- C.A.S. : SANTA CRUZ : Cerro Mesa, alt. ca 440 m, 16.IV.1964 (2 ♂♂);
- C.D.R.S. : SANTA CRUZ : Media Luna, 16.III.1982 (2 ♂♂).

#### Distribution

Floreana\*, Isabela (Sierra Negra), Marchena\*, San Cristóbal and Santa Cruz.

## LOXOSCELIDAE

### *Loxosceles laeta* (Nicolet, 1849)

#### Material sampled in 1988

- ESPANOLA (III) : Locality 45 (j ♀), Locality 46 (2 j ♀♀). ISABELA : *Volcán Wolf* (III) : Locality 64 (j).

#### Other material examined

- cfr. BAERT & MAELFAIT (1986) : p. 104, Map 17;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

#### Distribution

Floreana, Española, Isabela (Wolf\*), Pinta, Pinzón, Rábida, Santa Cruz, Santa Fé and Santiago.

## METIDAE

### *Leucauge bituberculata* Baert, 1987

#### Material sampled in 1988

- SANTA CRUZ : Locality 5 (1 ♀ : II), Locality 8 (1 ♀ : III), Locality 9 (4 ♀♀ : III), Locality 10 (2 ♂♂, 3 ♀♀ : II; SA ♂, 2 SA ♀♀, 3 j : III; 1 ♀ : IV), Locality 11 (3 ♀♀, j ♀ : II). FLOREANA (II) : Locality 29 (2 ♀♀, j), Locality 30 (3 ♀♀, 4 j). FERNANDINA (II) : Locality 35 (2 ♂♂, 2 ♀♀), Locality 36 (SA ♂, 1 ♀, 6 j), Locality 37 (7 ♀♀, 3 j), Locality 38 (SA ♂, SA ♀). ISABELA : *Volcán Wolf* (III) : Locality 65 (j), Locality 66 (SA ♂, 1 ♀), Locality 67 (j ♂), Locality 68 (3 ♀♀, j), Locality 69 (j), Locality 71 (SA ♀), Locality 73 (SA ♂), Locality 74 (1 ♀), Locality 76 (3 j). *Volcán Darwin* (III) : Locality 89 (2 ♀♀), Locality 90 (j).

#### Other material examined

- cfr. BAERT (1987) : p. 143;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

#### Distribution

Fernandina, Floreana\*, Isabela (Cerro Azul, Darwin\*, Sierra Negra, Wolf\*), Pinta, San Cristóbal, Santa Cruz and Santiago.

## MIMETIDAE

### *Ero gemelosi* Baert & Maelfait, 1984

#### Material sampled in 1988

ISABELA : *Volcán Wolf* (III) : Locality 72 (1 SA ♀),  
Locality 73 (1 ♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 106;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Isabela (Wolf)\* and Santa Cruz.

### MYSMENIDAE

#### *Calomyspoea santacruz* Baert & Maelfait, 1983

*Material sampled in 1988*

SANTA CRUZ : Locality 5 (2 ♀♀ : III), Locality 7  
(1 ♀ : II), Locality 13 (1 ♂ : IV).  
FLOREANA (II) : Locality 29 (1 ♀).  
ISABELA : *Volcán Wolf* (III) : Locality 72 (1 ♀). *Vol-  
cán Darwin* (III) : Locality 82 (1 ♀), Locality 87  
(1 ♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 106, Map 13;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : PINZON : crater rim (1 ♀ : VI).

*Distribution*

Floreana\*, Isabela (Darwin\*, Sierra Negra, Wolf\*), Pin-  
zon\*, San Cristóbal, Santa Cruz and Santiago.

### OCHYROCERATIDAE

#### *Theotima galapagosensis* Baert & Maelfait, 1986

*Material sampled in 1988*

SANTA CRUZ (II) : Locality 5 (4 ♀♀).  
FLOREANA (II) : Locality 27 (15 ♀♀), Locality 31  
(11 ♀♀), Locality 32 (1 ♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 106, Map 14;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Floreana\*, Isabela (Cerro Azul), San cristóbal and Santa  
Cruz.

### OECOBIIDAE

#### *Oecobius concinnus* Simon, 1892

*Material sampled in 1988*

SANTA CRUZ : Locality 2 (1 ♀ : II; 1 ♂ : III).  
FLOREANA (II) : Locality 24 (1 ♂).  
ESPANOLA (III) : Locality 43 (9 ♂♂, 6 ♀♀), Locality  
45 (1 ♂), Locality 46 (1 SA ♂), Locality 47 (j ♀).  
ISABELA : *Volcán Alcedo* (III) : Locality 91 (1 ♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 106, Map 17;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Española\*, Floreana, Isabela (Alcedo)\*, Pinzón, San Cris-  
tóbal, Santa Cruz, Santa Fé and Santiago.

### OXYOPIDAE

#### *Oxyopes gracilis* Keyserling, 1877

*Material sampled in 1988*

SANTA CRUZ : Locality 6 (j : III; 1 ♂, 1 ♀ : IV),  
Locality 7 (1 ♂, 2 j : II), Locality 10 (j : IV), Locality  
14 (j : II; 1 ♂, 3 SA ♂♂, 1 SA ♀, 12 j : III; 1 SA ♂,  
1 SA ♀ : IV).  
FERNANDINÁ (II) : Locality 39 (1 ♀), Locality 41 (1 ♂,  
1 ♀, 2 j).  
MARCHENA (III) : Locality 49 (1 ♀).  
ISABELA : *Volcán Wolf* (III) : Locality 65 (j ♀), Loca-  
lity 74 (j), Locality 76 (j). *Volcán Darwin* (III) : Locality  
90 (j).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 107, Map 15;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Fernandina, Isabela (Alcedo, Cerro Azul, Darwin\*,  
Wolf\*), Marchena\*, Pinta, Santa Cruz and Santiago.

### PHOLCIDAE

#### *Coryssocnemis conica* Banks, 1902

*Material sampled in 1988*

SANTA CRUZ : Locality 6 (j : IV), Locality 7 (1 ♂,  
1 ♀ : II; 1 SA ♂ : IV), Locality 8 (1 ♂, 2 j : III; 1 ♀ :

IV), Locality 9 (2 ♀♀ : III), Locality 10 (1 ♂, 5 ♀♀ : II; 2 ♂♂, 9 ♀♀, 12 j : III; 2 ♂♂, 1 ♀, js : IV).

FERNANDINA (II) : Locality 34 (2 j).

ESPANOLA (III) : Locality 47 (1 ♀, j).

SANTIAGO (III) : Locality 63 (1 ♀, 1 SA ♂).

ISABELA : *Volcán Wolf* (III) : Locality 71 (j), Locality 73 (1 ♂). *Volcán Darwin* (III) : Locality 89 (2 ♀♀, 15 j), Locality 90 (j).

#### *Other material examined*

– cfr. BAERT & MAELFAIT (1986) : p. 107, Map 16;

– cfr. BAERT, MAELFAIT & DESENDER (1989);

– FRANZ, 1975 : ISABELA : La Torre near Sto Tomás, Sierra Negra (1 ♂, 2 ♀♀ : V). PINZON : Top of island (1 ♀ : VI).

#### *Distribution*

Española, Fernandina, Floreana, Isabela (Cerro Azul, Darwin\*, Sierra Negra\*, Wolf\*), Pinta, Pinzón, Rábida, San Cristóbal, Santa Cruz, Santa Fé, Santiago and Seymour Norte.

### ***Coryssocnemis insularis* Banks, 1902**

#### *Material sampled in 1988*

SANTA CRUZ : Locality 2 (1 ♂, 3 ♀♀ : II; 1 ♂, 1 SA ♂, 1 ♀ : III), Locality 10 (1 ♂, 1 ♀, j ♀ : III).

FLOREANA (II) : Locality 23 (3 ♂♂, 2 ♀♀, j).

#### *Other material examined*

– cfr. BAERT & MAELFAIT (1986) : p. 107, Map 17;

– cfr. BAERT, MAELFAIT & DESENDER (1989).

#### *Distribution*

Floreana\*, Isabela (Cerro Azul), San Cristóbal and Santa Cruz.

## **SALTICIDAE**

### ***Darwinneon crypticus* Cutler, 1971**

#### *Material sampled in 1988*

SANTA CRUZ : Locality 3 (5 ♂♂, 2 ♀♀ : II), Locality 16 (1 ♂, 2 ♀♀ : II), Locality 17 (1 ♀ : II; 1 ♂ : III), Locality 18 (4 ♂♂ : II), Locality 19 (1 SA ♂ : II).

FLOREANA (II) : Locality 29 (1 ♀), Locality 30 (1 ♀), Locality 31 (1 SA ♂, 2 ♀♀).

FERNANDINA (II) : Locality 35 (j).

ESPANOLA (III) : Locality 47 (2 ♀♀, 2 j).

GENOVESA (III) : Locality 57 (1 ♂, 1 SA ♂, j ♀).

ISABELA : *Volcán Wolf* (III) : Locality 65 (1 ♀), Locality 71 (1 ♂), Locality 74 (1 ♀). *Volcán Darwin* (III) : Locality 80 (1 SA ♂, 1 SA ♀), Locality 81 (5 ♀♀, j), Locality 82 (1 ♀), Locality 83 (1 ♂, 1 ♀), Locality 85 (1 ♀), Locality 90 (1 SA ♀).

#### *Other material examined*

– cfr. BAERT & MAELFAIT (1986) : p. 107, Map 18;

– cfr. BAERT, MAELFAIT & DESENDER (1989);

– FRANZ, 1975 : SANTA CRUZ : Playa Tortuga (1 ♀ : VI). SAN CRISTOBAL : Cerro El Junco (1 ♂ : V); Playa Ochova (2 ♀♀ : V).

#### *Distribution*

Española\*, Fernandina, Floreana\*, Genovesa\*, Isabela (Alcedo, Darwin, Sierra Negra, Wolf\*), Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé and Santiago.

### ***Frigga crocuta* (Taczanowski, 1879)**

#### *Material sampled in 1988*

SANTA CRUZ (III) : Locality 17 (1 ♂).

FERNANDINA (II) : Locality 34 (1 ♀), Locality 42 (1 SA ♀).

ISABELA : *Volcán Wolf* (III) : Locality 64 (j ♀), Locality 65 (2 ♂♂, 2 SA ♂♂, 1 SA ♀), Locality 76 (1 ♂, 1 ♀). *Volcán Darwin* (III) : Locality 78 (1 SA ♀), Locality 83 (1 SA ♀), Locality 86 (1 ♀), Locality 87 (j ♀), Locality 90 (2 ♂♂, 1 ♀, j).

#### *Other material examined*

– cfr. BAERT & MAELFAIT (1986) : p. 110, Map 20;

– cfr. BAERT, MAELFAIT & DESENDER (1989);

– FRANZ, 1975 : FLOREANA : Post Office Bay (1 ♀ : V). SAN CRISTOBAL : Beach near airport of Puerto Baquerizo (1 ♀ : V).

#### *Distribution*

Baltra, Fernandina, Floreana, Isabela (Alcedo, Darwin, Sierra Negra, Wolf\*), Pinzón, San Cristóbal, Santa Cruz and Santiago.

### ***Metacryba insularis* (Banks, 1902)**

#### *Material sampled in 1988*

SANTA CRUZ (IV) : Locality 13 (j).

ESPANOLA (III) : Locality 46 (j ♂).

ISABELA : *Volcán Wolf* (III) : Locality 65 (1 ♂, 1 SA ♀, 5 j), Locality 66 (1 SA ♂, 1 ♀, 5 j). *Volcán Darwin* (III) : Locality 82 (1 SA ♂, j ♂), Locality 83 (j), Locality 84 (j), Locality 85 (1 SA ♂), Locality 86 (1 ♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 110, Map 19;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : SAN CRISTOBAL : Playa Ochova (1 ♂ : V); Puerto Grande (1 ♂, 1 SA ♂, j : VI). PINZON : Crater rim (j ♀ : VI). SANTA FE : (1 ♂, 1 SA ♂ : V).

*Distribution*

Daphne, Española\*, Fernandina, Floreana, Isabela (Darwin, Wolf\*), Pinzón, San Cristóbal\*, Santa Cruz, Santa Fé\* and Santiago.

**Philaeus pacificus** Banks, 1902*Material sampled in 1988*

FLOREANA (II) : Locality 24 (1 ♀).  
 FERNANDINA (II) : Locality 35 (1 ♂).  
 MARCHENA (III) : Locality 51 (1 ♀).  
 ISABELA : *Volcán Wolf* (III) : Locality 67 (1 ♂), Locality 71 (j ♂), Locality 75 (1 SA ♂). *Volcán Darwin* (III) : Locality 90 (1 ♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 110;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : FLOREANA : Post Office Bay (1 ♂ : V). PINZON : Crater rim (2 ♂♂ : VI). SANTIAGO : Forest east of "El Tunnel" (1 ♂ : VI).

*Distribution*

Fernandina, Floreana, Genovesa, Isabela (Darwin\*, Sierra Negra, Wolf\*), Marchena\*, Pinta, Pinzón\*, Santa Cruz and Santiago.

**SCYTODIDAE****Scytodes fusca** Walckenaer, 1837*Material sampled in 1988*

FLOREANA (II) : Locality 23 (2 j ♀), Locality 27 (1 ♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p.113, Map 21;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Floreana, Genovesa, Isabela (Sierra Negra), Rábida, San Cristóbal and Santa Cruz.

**Scytodes hebraica** Simon, 1891*Material sampled in 1988*

SANTA CRUZ : Locality 2 (1 ♀ : III; 1 ♀ : IV), Locality 10 (1 ♂ : II; 1 ♂ : IV), Locality 13 (1 ♀ : III).  
 FLOREANA (II) : Locality 23 (1 ♂).  
 GENOVESA (III) : Locality 54 (j ♀), Locality 55 (1 ♂, 2 SA ♂♂, 2 ♀♀, 2 SA ♀♀, j), Locality 56 (1 ♂, 2 SA ♂, 3 ♀♀, 4 j), Locality 57 (1 ♂, 1 SA ♂, 4 ♀♀, 3 j ♀♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p 113, Map 21;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : FLOREANA : Post Office Bay (1 SA ♂ : V). ISABELA : Cerro Azul, Caleta Iguana (1 ♂, 3 ♀♀ : VI); Sierra Negra, north of Villamil (1 ♀ : VI).

*Distribution*

Floreana\*, Genovesa, Isabela (Cerro Azul\*, Sierra Negra\*), Pinzón, Santa Cruz and Santiago.

**Scytodes longipes** Lucas, 1845*Material sampled in 1988*

SANTA CRUZ (II) : Locality 2 (1 ♂, 1 SA ♂).  
 FLOREANA (II) : Locality 23 (j ♀), Locality 29 (4 j), Locality 30 (1 ♀, 4 j).  
 ISABELA : *Volcán Darwin* (III) : Locality 83 (j ♀), Locality 84 (1 ♀), Locality 88 (j), Locality 89 (2 j).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 113, Map 21;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : SANTA CRUZ : CDRS-buildings (2 ♂♂ : IV, V). SAN CRISTOBAL : School "Tres Polos" (1 ♀ : VI).

*Distribution*

Floreana, Isabela (Darwin\*, Sierra Negra), San Cristóbal and Santa Cruz.

**SELENOPIIDAE****Selenops galapagoensis** Banks, 1902*Material sampled in 1988*

SANTA CRUZ : Locality 2 (1 SA ♀, 2 j ♀ : II; 1 SA ♂ : III), Locality 16 (j : III).

FLOREANA (II) : Locality 23 (2 j).  
 ISABELA : *Volcán Wolf* (III) : Locality 65 (2 ♀♀),  
 Locality 66 (1 ♀, j ♀). *Volcán Darwin* (III) : Locality 80 (1 SA ♂).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 113, Map 22;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : ISABELA : Sierra Negra, Jaboncillo-wood, culture zone (3 j : VI).

*Distribution*

Fernandina, Floreana, Isabela (Darwin\*, Sierra Negra\*, Wolf\*), San Cristóbal and Santa Cruz.

### SICARIIDAE

#### *Sicarius ultriformis* (Butler, 1877)

*Material sampled in 1988*

ESPANOLA (III) : Locality 43 (1 ♂, 7 ♀♀, j), Locality 47 (j).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 115, Map 21;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Eden, Española, Floreana, Rábida and Santiago.

### TETRAGNATHIDAE

#### *Glenognatha maelfaiti* Baert, 1987

*Material sampled in 1988*

SANTA CRUZ : Locality 4 (j : IV), Locality 5 (1 ♀ : II; 1 ♂, 3 ♀♀ : III), Locality 6 (1 ♀, 2 j : III; 1 ♂, 1 SA ♂ : IV), Locality 7 (1 SA ♂ : IV), Locality 9 (1 ♀ : III), Locality 12 (1 ♀ : III).  
 FLOREANA (II) : Locality 29 (1 ♀).

*Other material examined*

- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Floreana\*, Isabela (Cerro Azul, Sierra Negra) and Santa Cruz.

#### *Tetragnatha nitens* (Audouin in Savigny, 1825)

*Material sampled in 1988*

FERNANDINA (II) : Locality 34 (1 SA ♂, 6 ♀♀).

*Other material examined*

- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Fernandina, Isabela (Sierra Negra) and Santiago.

### THERIDIIDAE

#### *Achaearanea hirta* (Taczanowski, 1872)

*Material sampled in 1988*

SANTA CRUZ (II) : Locality 3 (1 ♀).  
 MARCHENA (III) : Locality 48 (1 ♂), Locality 49 (1 ♀), Locality 51 (1 ♂, 2 ♀♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 115, Map 23;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Isabela (Darwin), Marchena\*, Rábida, San Cristóbal, Santa Cruz and Santiago.

#### *Argyrodes elevatus* Taczanowski, 1872

*Material sampled in 1988*

SANTA CRUZ (II) : Locality 11 (1 ♀).  
 FLOREANA (II) : Locality 23 (1 ♀), Locality 24 (1 ♂), Locality 27 (2 j ♀♀).  
 FERNANDINA (III) : Locality 42 (1 ♂).  
 MARCHENA (III) : Locality 48 (2 ♀♀).  
 GENOVESA (III) : Locality 55 (1 ♂, 4 ♀♀).  
 DAPHNE MAIOR (III) : Locality 58 (1 ♂, 1 SA ♂, 2 ♀♀).  
 SANTIAGO (III) : Locality 63 (1 ♀).  
 ISABELA : *Volcán Wolf* (III) : Locality 64 (vis.), Locality 68 (j). *Volcán Darwin* (III) : Locality 80 (1 ♀), Locality 81 (1 ♂, 1 ♀), Locality 90 (j).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 115, Map 24;
- cfr. BAERT, MAELFAIT & DESENDER (1989).



*Distribution*

Fernandina, Floreana, Isabela (Alcedo, Darwin, Sierra Negra), Pinta, Pinzón, Rábida, San Cristóbal, Santa Cruz, Santiago and Seymour Norte.

**Argyrodes fictilium** (Hentz, 1850)*Material sampled in 1988*

ISABELA : *Volcán Wolf* (III) : Locality 74 (2 ♂♂, 1 SA ♂, 1 ♀, 1 SA ♀). *Volcán Darwin* (III) : Locality 81 (1 ♂, j), Locality 83 (3 j ♀♀), Locality 84 (j), Locality 85 (1 ♂, 1 SA ♂, 1 ♀, j ♀), Locality 89 (1 ♀), Locality 90 (1 SA ♂, 2 ♀♀, 4 j ♀, 2 j).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 115, Map 25;
- LUBIN, 1982 (CDRS) : SANTA CRUZ : La caseta (2 ♂♂ : I);
- LUBIN, 1983 (CDRS) : SANTIAGO : Los Guyabillos, southeast (1 ♂ : III); El mirador, alt. 240 m (1 ♂ : III).

*Distribution*

Isabela (Darwin, Sierra Negra, Wolf\*), Santa Cruz and Santiago\*.

**Coleosoma floridanum** Banks, 1900*Material sampled in 1988*

SANTA CRUZ : Locality 6 (2 j : II; 1 ♀ : IV), Locality 7 (1 ♂, 1 ♀ : IV), Locality 10 (1 ♀ : II; 1 ♀ : III; 1 ♀ : IV), Locality 13 (1 SA ♂ : II; 3 ♂♂, 5 ♀♀, 4 j : III; 1 ♂, 1 ♀ : IV), Locality 18 (1 ♂, 1 SA ♂, 2 ♀♀, 2 j : II; 5 ♂♂, 1 ♀ : III; 8 ♂♂, 3 SA ♂♂, 7 ♀♀, j ♀ : IV), Locality 19 (1 ♂ : III), Locality 20 (2 ♂♂ : III), Locality 21 (3 ♀♀ : IV).

FLOREANA (II) : Locality 27 (2 ♂♂), Locality 29 (1 ♂, 8 SA ♂♂, 17 ♀♀, j), Locality 30 (1 ♂, 7 SA ♂♂, 28 ♀♀, 7 j), Locality 31 (1 ♀), Locality 33 (2 ♀♀).

FERNANDINA (II) : Locality 34 (2 ♂♂, 1 SA ♂, 8 ♀♀, 13 j ♀♀).

GENOVESA (III) : Locality 52 (1 ♂, 1 SA ♂, 6 ♀♀), Locality 55 (1 ♂), Locality 56 (1 SA ♂, 2 ♀♀), Locality 57 (1 ♂, 1 SA ♂, 1 ♀).

SAN CRISTOBAL (III) : Locality 60 (1 ♂, j ♂).

ISABELA : *Volcán Wolf* (III) : Locality 66 (1 SA ♂, 1 ♀, j ♀), Locality 69 (j). *Volcán Darwin* (III) : Locality 79 (1 ♀), Locality 80 (1 ♂), Locality 81 (4 ♂♂, 5 ♀♀, 4 j), Locality 82 (2 j ♀♀), Locality 83 (1 ♂, 1 ♀, j ♀), Locality 90 (1 ♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 115, Map 26;

- cfr. BAERT, MAELFAIT & DESENDER (1989);

- FRANZ, 1975 : FLOREANA : Post Office Bay (1 ♂ : V). SAN CRISTOBAL : Along road to El Progreso (1 ♀ : V); Along road to Bahía del Agua Dulce (1 ♀ : V). SANTA CRUZ : Along road in *Scalesia* zone (1 ♂, 6 ♀♀ : V). ISABELA : Sierra Negra, Cerro de la Orchilla, west of Villamil (3 ♀♀ : VI); Villamil (2 ♂♂ : VI); Cerro Azul, Caleta Iguana (3 ♀♀ : VI).

*Distribution*

Bartolomé, Fernandina, Floreana, Genovesa\*, Isabela (Cerro Azul, Darwin\*, Sierra Negra, Wolf\*), Pinta, Rábida, San Cristóbal, Santa Cruz and Santiago.

**Latrodectus apicalis** Butler, 1877*Material sampled in 1988*

FLOREANA (II) : Locality 23 (1 ♀, 2 j ♀♀), Locality 33 (1 ♀, j).

MARCHENA (III) : Locality 51 (1 ♂, 3 ♀♀).

ISABELA : *Volcán Wolf* (III) : Locality 69 (j), Locality 75 (1 ♀, j). *Volcán Darwin* (III) : Locality 78 (1 ♀), Locality 90 (1 ♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 117, Map 27;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : FLOREANA : Post Office Bay (1 ♂, 1 ♀ : V). PINTA : Beach (1 ♀ : VI). BALTRA : (1 ♀ : VII). SANTIAGO : Bucanero camp (1 SA ♂, j : VI).

*Distribution*

Baltra, Floreana, Genovesa, Isabela (Alcedo, Cerro Azul, Darwin, Sierra Negra, Wolf\*), Marchena, Pinta, Pinzón, San Cristóbal, Santa Cruz, Santa Fé, Santiago and Seymour Norte.

**Latrodectus geometricus** C.L.Koch, 1841*Material sampled in 1988*

SANTA CRUZ (III) : Locality 1 (2 ♀♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 117, Map 27;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

San Cristóbal and Santa Cruz.

**Theridion calycynatum** Holmberg, 1876*Material sampled in 1988*

ISABELA : *Volcán Wolf* (III) : Locality 75 (2 ♀♀).  
*Volcán Darwin* (III) : Locality 89 (3 ♂♂, 5 ♀♀, js),  
 Locality 90 (2 ♂♂, 1 ♀, 6 j ♂♂, 9 j ♀♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 117, Map 28;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : SANTIAGO : Forest east of “El Tunnel” (1 ♀ : VI).

*Distribution*

Fernandina, Isabela (Cerro Azul, Darwin\*, Sierra Negra, Wolf\*), Pinta, Santa Cruz and Santiago\*.

**Theridion coldeniae** Baert & Maelfait, 1986*Material sampled in 1988*

SANTA CRUZ (IV) : Locality 21 (2 ♀♀).  
 MARCHENA (III) : Locality 49 (1 ♂, 1 SA ♂, 2 ♀♀),  
 Locality 51 (4 ♂♂, 1 SA ♂, 3 ♀♀).  
 GENOVESA (III) : Locality 55 (1 ♀).  
 ISABELA : *Volcán Wolf* (III) : Locality 65 (1 ♂, 3 SA ♂♂, 5 ♀♀), Locality 74 (2 ♂♂, 1 SA ♂, 2 ♀♀, j),  
 Locality 75 (1 ♀, j). *Volcán Darwin* (III) : Locality 78 (1 ♂, 3 ♀♀, 1 SA ♀), Locality 80 (1 ♀),  
 Locality 83 (1 SA ♂), Locality 84 (1 ♂, 12 ♀♀, js), Locality 85 (1 ♀),  
 Locality 86 (1 ♂, 4 ♀♀, 2 SA ♂♂, 2 SA ♀♀),  
 Locality 87 (2 ♂♂, 4 ♀♀, js), Locality 90 (2 ♂♂, 2 ♀♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 119, Map 28;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : FLOREANA : Post Office Bay (1 ♀ : V). SANTIAGO : Bucanero camp (2 ♂♂, 5 ♀♀ : VI); forest east of “El Tunnel” (1 ♀ : VI).

*Distribution*

Floreana\*, Genovesa\*, Isabela (Alcedo, Cerro Azul, Darwin, Sierra Negra, Wolf\*), Marchena\*, Pinta, Santa Cruz, Santa Fé and Santiago.

**Theridion rufipes** Lucas, 1846*Material sampled in 1988*

SANTA CRUZ : Locality 1 (1 ♀ : III), Locality 2 (2 ♀♀ : II; 1 ♂ : III; 1 ♂ : IV).

FLOREANA (II) : Locality 23 (1 ♂, 3 ♀♀).  
 FERNANDINA (II) : Locality 42 (1 ♂).  
 GENOVESA (III) : Locality 52 (1 ♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 119, Map 28;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : ISABELA : Sierra Negra, Jaboncillo-wood, culture zone (1 ♂, 1 ♀ : VI). SANTA CRUZ : Along the road in *Scalesia* zone (1 ♂, 2 ♀♀, js : V).

*Distribution*

Fernandina\*, Floreana, Genovesa\*, Isabela (Darwin, Sierra Negra), San Cristóbal and Santa Cruz.

**Tidarren sisypoides** (Walckenaer, 1841)*Material sampled in 1988*

ISABELA : *Volcán Wolf* (III) : Locality 65 (3 ♀♀, 8 j), Locality 66 (3 ♀♀, 4 j ♀♀), Locality 67 (1 ♂, j),  
 Locality 68 (1 ♂, 1 ♀, 2 j). *Volcán Darwin* (III) : Locality 78 (1 ♀),  
 Locality 79 (2 ♀♀), Locality 80 (3 ♂♂, 2 ♀♀),  
 Locality 81 (1 ♂, 1 SA ♂, 2 ♀♀, j),  
 Locality 89 (2 ♀♀, 7 j).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 119;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Fernandina, Isabela (Alcedo, Darwin, Wolf\*), Santa Cruz and Santiago.

**THOMISIDAE****Misumenops inclusus** (Banks, 1902)*Material sampled in 1988*

ISABELA : *Volcán Darwin* (III) : Locality 84 (j ♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 119, Map 27;
- cfr. BAERT, MAELFAIT & DESENDER (1989);
- FRANZ, 1975 : SANTA CRUZ : Playa Tortuga (1 ♀ : VI).

*Distribution*

Isabela (Alcedo, Darwin, Sierra Negra) and Santa Cruz.

**Tmarus stolzmanni** Keyserling, 1892*Material sampled in 1988*

FERNANDINA (III) : Locality 42 (1 ♀).

MARCHENA (III) : Locality 48 (1 ♂).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 119, Map 29;
- LUBIN, 1982 (CDRS) : SANTIAGO : Los Guyabillos, alt 900 ft (1 ♂, 2 ♀♀, 1 SA ♂, j : IV, V);
- ZMO : FLOREANA : Post Office Bay (1 ♀ : XI.1925).

*Distribution*

Fernandina\*, Floreana, Isabela (Darwin), Marchena\*, Santa Cruz and Santiago.

**ULOBORIDAE****Zosis geniculatus** (Olivier, 1789)*Material sampled in 1988*

SANTA CRUZ (II) : Locality 3 (3 ♀♀).

*Other material examined*

- cfr. BAERT & MAELFAIT (1986) : p. 122, Map 29;
- cfr. BAERT, MAELFAIT & DESENDER (1989).

*Distribution*

Santa Cruz.

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**Discussion**

The checklist published in BAERT et al.(1989) can be completed with six linyphiid species (BAERT, in press) and a theridiid species *Theridion strepitus* described by PECK & SHEAR (1987), all of them only known from the islands. *Camillina cruz* PLATNICK & SHADAB, 1982 has been synonymized with *Camillina galapagoensis* (BANKS, 1902) by PLATNICK & MURPHY(1987), while the same authors described a new species *C.isabela*. This brings the total number of known spiders for the archipelago to 80 of which 46 are for the moment only known from the islands. A good deal of them might probably be through endemics, but it is still too early to generalize, as the spider fauna of the southern American mainland is not yet well known. The zoogeographical affinities of the Galápagos spider fauna with the American mainland is at the moment analyzed and will be subject of a future publication.

**Acknowledgements**

This investigation was financed by (1) the Belgian Ministry of Education, (2) the National Foundation for Scientific Research (NFWO) and (3) the Léopold III Foundation. We are deeply grateful for the generous support of these Institutions. We received excellent cooperation from the Charles Darwin Research Station (Dir. Dr. Günther RECK and his staff), the Parque Nacional de Galápagos (Intendente Ir. Humberto OCHOA and Lcdo Fausto CEPEDA). We wish to thank the Ministerio de Agricultura y Ganadería, Programa Nacional Forestal for the permission they gave us to carry out our investigation program. We also thank our field assistant María GALARZA for her valuable help in the fieldwork, Dr. J. GRUBER of the Naturhistorisches Museum Wien for the loan of the material collected on the Galápagos islands by Prof. Dr. FRANZ in 1975 and Patrick CHEVALIER for the drawing of the map.

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