

7. ECHINODERMS FROM DIEGO GARCIA

A. M. Clark and J. D. Taylor

This annotated list comprises specimens collected in 1967 by J. D. Taylor and identified by Miss A. M. Clark, British Museum (Natural History). The collection has B.M. reg. nos. 1969.5.27.1 to 1969.5.27.81.

Previous records of echinoderms from Diego Garcia are from the Deutsche Tiefsee-Expedition (Döderlein 1906, Hertz 1927, Heding 1940), and from the Percy Sladen Trust Expedition (Bell 1909). Records by these previous workers are also included in this list.

ECHINODERMATA

ECHINOIDEA

Eucidaris metularia (Lamarck)
Recorded by Döderlein (1906).

Tripneustes gratilla (Linnaeus)
East Point, seaward, sublittoral fringe* 20 m from shore.

Echinothrix diadema (Linnaeus)
Recorded by Döderlein (1906).

Echinothrix calamaris (Pallas)
Recorded by Döderlein (1906).

Echinostrephus molaris (de Blainville)
East Point, seaward, mid-reef flat, crevices, sublittoral fringe, 8 July, 1967.

Echinometra mathaei (de Blainville)
East Point, seaward, mid-reef flat beneath boulders, sublittoral fringe, 8 July, 1967. Carcasse, lagoon, coral colonies, in crevices, sublittoral 1 m, 9 July, 1967. Recorded by Döderlein (1906) as Mortensenia oblonga and by Bell (1909) as Echinometra lucunter.

Gymnechinus sp.
N. W. Point, seaward, Thalassia beds, beneath loose block, sublittoral fringe, 21 July, 1967.

* For an explanation of zonation and terminology, see Lewis, J. R., 1964, The ecology of rocky shores, and Taylor, J. D., Phil. Trans. R. Soc. London B, 254: 129-206, 1968.

Parasalenia gratiosa Agassiz
Recorded by Bell (1909).

Brissus latecarinatus (Leske)
Recorded by Döderlein (1906).

OPHIUROIDEA

Ophiactis savignyi Müller and Troschel
East Point, lagoon, sublittoral 1 m, on sponge, 7 July, 1967.
East Point, lagoon, sublittoral 1 m, on sponge, 12 July, 1967.

Ophiothrix savignyi Müller and Troschel
East Point, lagoon, sublittoral 2 m on coral patch, 12 July, 1967.

Ophiothrix exigua Lyman
East Point, lagoon, sublittoral 1 m on sponge, 7 July, 1967.

Macrophiothrix hirsuta (Müller and Troschel)
East Point, seaward, mid-reef flat, sublittoral fringe, cryptofauna, 6 July, 1967.

Ophiocoma erinaceus Müller and Troschel
East Point, seaward, mid-reef flat, sublittoral fringe, cryptofauna, 6 July, 1967. East Point, seaward, mid-reef flat, sublittoral fringe, cryptofauna, 8 July, 1967.

Ophiocoma scolopendrina (Lamarck)
North of Point Thomas, seaward, boulder zone, sublittoral fringe, cryptofauna, 13 July, 1967. North West Point, seaward, boulder zone, cryptofauna, 21 July, 1967. Also recorded by Hertz (1927) from the lagoon.

Ophiocoma brevipes Peters
North of Point Thomas, seaward, boulder zone, sublittoral fringe, cryptofauna, 13 July, 1967.

Ophiocoma brevipes Peters
South Point, seaward, beneath boulders, sublittoral fringe, 11 July 1967. East Point, seaward, beneath boulders, sublittoral fringe, 6 July, 1967. Also recorded by Hertz (1927) from the littoral.

Ophiocoma pica Müller and Troschel
South Point, seaward, mid-reef, beneath boulders, 11 July, 1967.

Ophiocomella sexradia (Duncan)
East Point, seaward, mid-reef flat, cryptofauna, 6 July, 1967.

Ophiolepis superba H. L. Clark

East Point, seaward, mid-reef flat, sublittoral fringe, cryptofauna, 6 July, 1967.

ASTEROIDEA

Culcita schmideliana Retzius

East Point, lagoon, sand, sublittoral 1 m, 5 July, 1967.

HOLOTHUROIDEA

Holothuria (Semperathuria) cinerascens (Brandt)

South Point, seaward, beneath beach rock, sublittoral fringe, 11 July, 1967. East Point, seaward, mid-reef flat, beneath boulders, 6 July, 1967. East Point, seaward, beneath boulders at base of beach, 8 July, 1967. Also recorded by Heding (1940).

Holothuria (Thymiosycia) hilla (Lesson)

Barton Point, seaward, beneath boulders, sublittoral fringe, 7 July, 1967.

Holothuria (Thymiosycia) impatiens (Forskål)

Carcasse, lagoon, in crevices in coral colony, 9 July, 1967. Also recorded by Heding (1940).

Holothuria (Lessonothuria) pardalis Selenka

Barachois Maurice, burrowing in fine sediment, near beach rock, 16 July 1967.

Holothuria (Mertensiothuria) leucospilota (Brandt)

Barachois Maurice, burrowing in fine sediment, 15 July, 1967.

Holothuria (Halodeima) atra Jager

Pointe Marianne, lagoon, Thalassia beds, epifaunal, 22 July, 1967. East Point, lagoon, sublittoral 1 m, sand and algae, 7 July, 1967. Also recorded by Heding (1940) from the lagoon.

Holothuria (Metriatyla) albiventer Selenka

East Point, seaward, mid-reef flat, beneath boulders, sublittoral fringe, 6 July 1967.

Holothuria vagabunda Selenka

Recorded by Heding (1940).

Actinopyga mauritiana (Quoy and Gaimard)

Carcasse, lagoon, sand, sublittoral 1 m, 9 July 1967. East Point, seaward, mid-reef flat, epifaunal, 6 July 1967. Also recorded by Heding (1940).

Actinopyga echinites Jager

East Point, seaward, mid-reef flat, epifaunal, sublittoral fringe, 6 July 1967.

Bohadschia argus Jager

East Point, seaward, mid-reef flat, in crevices of boulders, sublittoral fringe, 6 July 1967.

Labidoemas rugosa (Ludwig)

East Point, seaward, mid-reef flat, in crevices of boulders, sublittoral fringe, 6 July 1970. Barton Point, seaward, beneath boulders, sublittoral fringe, 7 July 1967. East Point, lagoon, coral patch, in crevices, sublittoral 1 m, 19 July 1967.

Ohshimella ehrenbergi (Selenka)

East Point, lagoon, coral patch, sublittoral 1 m, in crevices, 9 July 1967.

Microthele nobilis (Selenka)

East Point, seaward, mid-reef flat, shallow sublittoral, 8 July 1967. Recorded by Heding (1940).

REFERENCES

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- Hertz, M. 1927. Die Ophiuroidea: Chilophiuridea. Wiss. Ergeb. D. Tiefsee-Exped. Valdivia 1898-1899, 22: 57-122.