

REPORT ON THE MARINE WOOD BORERS FROM THE MANGROVES
OF NEIL, HAVELOCK AND PEEL ISLANDS, RITCHIE'S
ARCHEPELAGO, ANDAMAN, INDIA

Ganapati and Rao (1960), Kalyansundaram and Ganti (1975), Karande (1978), Das and Roy (1980) and Tiwari *et al.*, (1980) have reported the occurrence of some marine wood borers from Andaman island, India. But their works on this group are solely based on the materials collected in and around Poart Blair, Baratang island (South Andaman), Bakultala and Mayabundar (Middle Andaman). In the course of a recent survey in the mangrove zones of Neil, Havelock and Peel islands, Ritchie's Archeipelago, Andaman, 8 species of teredinid borers (Mollusca : Bivalvia) and 1 species of crustacean borer have been collected. These are being reported in the present communication as they constitute first records from Ritchie's Archeipelago. All the teredinid borers were found to infest dead stumps and stilt roots of the mangroves while the crustacean borer was found to attack mostly the stilt roots of the live mangroves.

OBSERVATION

A. Teredinid borers

Family TEREDINIDAE

1. *Bactronophorus thoracites* (Gould)

Material : 3 exs., Peel Is., 15.vi.80 ; 9 exs., Havelock Is., 18 & 19.vi.80.

Distribution : India : Sundarbans ; Mahanadi estuary ; Visakhapatnam ; Vellar-Cole-

room estuary (Porto Novo) ; Bombay ; South Andaman (places around Port Blair and Baratang Is.) and Ritchie's Archeipelago (percent record).

Outside India : Indian Ocean islands ; Burma ; Malaysia ; Indonesia ; Australia ; New Zealand ; Pacific islands and Philippine islands.

2. *Dicyathifer manni* (Wright)

Material : 1 ex, Peel Is. ; 15.vi.80 ; 2 exs., Havelock Is., 18.vi.80.

Distribution : India : Sundarbans, Mahanadi estuary ; Visakhapatnam ; Madras Harbour, Pulicat Lake ; Cochin ; Mangalore ; Bombay ; South Andaman (places around Port Blair), Middle Andaman (Bakultala) and Ritchie's Archeipelago (present record).

Outside India : Indo-Malay Archeipelago, Australia, New Zealand, Pacific islands, Philippine islands and East coast of Africa.

3. *Lyrodus pedicellatus* (Quatrefages)

Material : 1 ex., Peel Is., 15.vi.80 ; 2 exs., Havelock Is., 17.vi.80 ; 8 exs., Neil Is., 25 & 26.vi.80.

Distribution : India : Mahanadi estuary ; Visakhapatnam ; Madras, Pamban ; Tondi and Adiramapatnam ; Tuticorin ; Kayamkulam ; Cochin, Mangalore, Karwar, Panaji, Ratnagiri, Bombay, Daman ; Veraval ; Okha ; Kandla ;

South Andaman (around Port Blair) and Ritchie's Archeipelago (present record).

Outside India : Widely distributed in tropical and temperate seas.

4. *Nototeredo edax* (Hadley)

Material : 2 exs., Peel Is., 15.vi.80.

Distribution : India : Visakhapatnam ; Madras Harbour ; South Andaman (around Port Blair) and Ritchie's Archeipelago (present record).

Outside India : Indian ocean islands ; Burma ; Malaysia ; Indonesia ; Australia ; New Zealand ; Pacific islands ; Philippine islands ; Japan and New Guinea.

5. *Nausitora hedleyi* Schepman

Material : 2 exs., Peel Is., 15.vi.80 ; 1 ex., Neil Is., 25.vi.80.

Distribution : India : Mahanadi estuary ; Madras Harbour ; Cochin ; South Andaman (around Port Blair), Middle Andaman (Bakultala) and Ritchie's Archeipelago (present record).

Outside India : Indian Ocean islands, Burma ; Malaysia Indonesia and Pacific islands.

6. *Teredo furcifera* von Martens

Material : 1 ex., Peel Is., 15.vi.80.

Distribution : India : Visakhapatnam ; Godavari estuary ; Madras ; Pulicat lake ; Pamban ; Tuticorin ; Neendakara & Kayamkulam ; Cochin ; Bombay ; Daman ; Okha ; South Andaman (around Port Blair) and Ritchie's Archeipelago (present record).

Outside India : Red Sea, ; Persian Gulf ; Indian Ocean islands, Pacific islands ; Hawaii and Midway, Indonesia and East Coast of South America.

7. *Bankia bipennata* (Turton)

Material : 6 exs. Peel Is., 15.vi.80.

Distribution : India : Visakhapatnam ; Madras, South Andaman (around Port Blair) ; Middle Andaman (Bakultala, Mayabunder) and Ritchie's Archeipelago (present record).

Outside India : England ; Philippine Is. ; and Japan.

8. *Bankia rochi* Moll

Material : 3 exs., Peel Is, 15.vi.80 ; 2 exs., Havelock Is., 17.vi.80.

Distribution : India : Sundarbans, Middle Andamans (Bakultala) and Ritchie's Archeipelago (present record).

Outside India : Java and Madagascar

B. Crustacean borer

Order ISOPODA

Family SPHAEROMIDAE Bate

9. *Sphaeroma terebrans* Bate

Material : 99 exs., Havelock Is., 7.vi.80 & 10.vi.80 ; 53 exs., Neil Is., 21.vi.80 & 24.vi.80.

Distribution : India : Kerala, Karnataka, South Andaman (around Port Blair) and Ritchie's Archeipelago (present record).

Outside India : California ; Florida ; Congo ; South Africa ; Mozambique ; Zanzibar ; Mediterranean ; Sri Lanka ; Australia and New Zealand.

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REFERENCES

- DAS, A. K. AND DEV ROY, M. K. 1980. On the wood boring molluscs of South Andamans, India. *Rec. Zool. Surv. India*, 77 : 179-187.
- GANAPATI, P. N. AND LAKSHMANA RAO, M. V. 1960. On some crustacean wood borers of Andamans. *Curr. Sci.*, 29 (7) : 275-276.
- KALYANSUNDARAM, N. AND GANTI, S. S. 1975. The intensity and distribution of marine wood borers of various parts of India. *Bull. Dep. mar. sci. Univ. Cochin*, 7 (3) : 637-644.
- KARANDE, A. A. 1978. Marine fouling and timber deterioration in sub-oceanic islands of Andamans. *Indian J. mar. Sci.*, 7 : 39-43.
- TIWARI, K. K., DAS, A. K., DEV ROY, M. K. AND KHAN, T. N. 1980. On the wood borers of mangrove of Andaman and Nicobar islands, India with a note on the gallery pattern of some insect borers. *Rec. Zool. Surv. India*, 77 : 357-362.

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