

**ANDAMAN SEA TYPE-SPECIES DEPOSITED IN THE REFERENCE COLLECTION
OF PMBC AND OTHER COLLECTIONS, WITH NOTES ON HOW TO OBTAIN
MATERIAL FOR TAXONOMIC STUDIES.**

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ABSTRACT

A total of 61 type-species of marine organisms collected from Thai waters, mainly in the Andaman Sea, have been deposited in the Reference Collection of Phuket Marine Biological Center, from 1971-1990. The type-species include 44 nominal species in 24 nominal genera encompassing Choanoflagellida, Chlorophyceae, Polychaeta, Crustacea, Mollusca, Echinodermata, and Pisces. Publication and collection data are given. Type-species collected from the Andaman Sea coast of Thailand and deposited in various museum/institutions are also listed.

INTRODUCTION

The Reference Collection building of Phuket Marine Biological Center was donated by DANIDA, Denmark, and inaugurated in September 1983 (Boonprakob and Hylleberg, 1983). However, the collections are much older, some of them started as early as 1966 during the 5th Thai-Danish Expedition. After the agreement between the Thai Government and the Danish Government was signed in 1968, establishment of the Center brought a new generation of marine biologists to investigate the local fauna and to document their studies through extensive collections. More than 30,000 specimens and about 3,000 species of marine organisms have been identified and deposited in the PMBC Reference Collection. A list of marine organisms in the Collection was provided by Nateewathana, et al. (1981). The present paper provides a list of type-specimens deposited in the PMBC Reference Collection. Publication and collection data of the types are also included. The list includes 44 nominal species in 24 nominal genera, and presents information in the following format:

group, family or division, genus, species, author, year of publication. Category of type: PMBC catalogue number, number of

specimens, dimensions, locality, depth, collector (expedition or person), date collected. (Remarks)

The following abbreviations are used in the list

- AM Australian Museum, Sydney, Australia
BMNH British Museum (Natural History), London, England
NSMT National Science Museum, Tokyo, Japan
PMBC Phuket Marine Biological Center, Thailand
TOYA Toyama Science Museum, Japan
USNM National Museum of Natural History, Smithsonian, Washington D.C., U.S.A.
ZMC Zoological Museum, University of Copenhagen, Denmark
ZMH Zoological Institute and Zoological Museum, Universität Hamburg, W. Germany

**TYPE MATERIAL IN THE PMBC
REFERENCE COLLECTION**

CHOANOFLAGELLIDA

Twelve species of Choanoflagellates from the Andaman Sea, Thailand. With this kind of

organism the electron microscope pictures constitute the types. The publications have been deposited in the PMBC Reference Collection.

Acanthoecidae

Stephanacantha dichotoma Thomsen, 1983

In: Thomsen & Boonruang, 1983a: 198-202, Figs. 2-10.

HOLOTYPE: Shown in Fig. 6, found in a water sample collected 14 Sept. 1981 at st.1 near Phuket Island, SW Thailand.

Stephanacantha parvula Thomsen, 1983

In: Thomsen & Boonruang, 1983a: 202, Figs. 12-18.

HOLOTYPE: Shown in Fig. 17, found in a water sample collected 8 Sept. 1981 at st. 6 near Phuket Island, SW Thailand.

Stephanacantha formosa Thomsen, 1983

In: Thomsen & Boonruang, 1983a: 204, Figs. 34-46.

HOLOTYPE: Shown in Fig. 22, found in a water sample collected 10 Sept. 1981 at st. 4 (2 m) near Phuket Island, SW Thailand.

Platyleura cercophora Thomsen, 1983

In: Thomsen & Boonruang, 1983a: 208-209, Figs. 34-36.

HOLOTYPE: Shown in Fig. 37, found in a water sample collected 14 Sept. 1981 at st. 1 near Phuket Island, SW Thailand.

Platyleura acuta Thomsen, 1983

In: Thomsen & Boonruang, 1983a: 209-210, Figs. 47-55.

HOLOTYPE: Shown in Fig. 47, found in a water sample collected 8 Sept. 1981 at st.6 near Phuket Island, SW Thailand.

Platyleura perforata Thomsen, 1983

In: Thomsen & Boonruang, 1983a: 210, Figs. 56-55.

HOLOTYPE: Shown in Fig. 57, found in a water sample collected 8 Sept. 1981 at st.6 (2 m) near Phuket Island, SW Thailand.

Apheloecion quadrispinum Thomsen, 1983

In: Thomsen & Boonruang, 1983b: 740-743, Figs. 2-10.

HOLOTYPE: Shown in Fig. 2, found in a surface water sample collected 14 Sept. 1981 at st. 1 in the vicinity of Phuket Island, SW Thailand (c. 28°C, c. 35‰S).

Apheloecion pentacanthum Thomsen, 1983

In: Thomsen & Boonruang, 1983b: 743-745, Figs. 11-17.

HOLOTYPE: Shown in Fig. 14, found in a water sample collected 10 Sept. 1981 at st. 4 (20 m) in the vicinity of Phuket Island, SW Thailand (c. 28°C, c. 35‰S).

Apheloecion articulatum Thomsen, 1983

In: Thomsen & Boonruang, 1983b: 745-749, Figs. 18-22.

HOLOTYPE: Shown in Fig. 18, found in a water sample collected 16 Sept. 1981 at st. 1 in the vicinity of Phuket Island, SW Thailand (c. 28°C, c. 35‰S).

Cosmoeca phuketensis Thomsen, 1984

In: Thomsen & Boonruang, 1984:175-176, Figs. 33-34.

HOLOTYPE: Shown in Fig. 40. Kamala Bay, Phuket Island, 2 m depth, c. 28°C, c. 35‰S, 8 Sept. 1981.

Cosmoeca subulata Thomsen, 1984

In: Thomsen & Boonruang, 1984: 177-178, Figs. 41-49.

HOLOTYPE: Shown in Fig. 41. Phuket Island, Thailand, 15 m depth, c. 28°C, c. 35‰S, 8 Sept. 1981.

Cosmoeca ceratophora Thomsen, 1984

In: Thomsen & Boonruang, 1984: 178, Figs. 50-59.

HOLOTYPE: Shown in Fig. 50. Phuket Island, Thailand, 0.5 m depth, c. 28°C, c. 35‰S, 14 Sept. 1981.

ALGAE

Chlorophyceae

Pseudostruvia siamensis Egerod, 1975.

PARATYPE: PMBC 094, 15 km South of Takuapa (mainland) in a mat of *Cladophoropsis sundaensis*, upper tide level, on rocky outcropping, L. Egerod, 9.4.1971.

REMARKS: Deposition of holotype not known (Botanical Museum, Copenhagen, Denmark?).

POLYCHAETA

Nephtyidae

Aglaophamus phuketensis Nateewathana & Hylleberg, 1986.

HOLOTYPE: PMBC 3159, Complete specimen, 74 setigers, length 25 mm. Airport Bay, Phuket Island, very coarse sand, 20 m depth, A.N. & J.H., 7.4.1981.

PARATYPES: PMBC 3160, Anterior fragment, 51 setigers, pharynx everted. Patong Bay, Phuket Island, very fine sand, 30 m depth, A.N. & J.H., 29.6.1981.

Paratypes deposited in other institutions by the authors:

AM Complete specimen, 84 setigers, length 22.1 mm. Kamala Bay, Phuket Island, fine sand, 10 m depth, A.N. & J.H., 10.4.1980.

BMNH ZB 1987.580: Complete specimen, 75 setigers, length 18.0 mm. Kamala Bay, Phuket Island, fine sand, 10 m depth, A.N. & J.H., 23.12.1981.

USNM 376250-102847: Complete specimen 85 setigers, length 18.2 mm. Bang Tao Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 29.6.1981.

ZMC Complete specimen, 55 setigers, length 9.6 mm. Airport Bay, coarse sand, 20 m depth, A.N. & J.H., 29.4.1982.

Aglaophamus urupani Nateewathana & Hylleberg, 1986.

HOLOTYPE: PMBC 3102, Complete specimen, 64 setigers, length 15.5 mm. Patong Bay, Phuket Island, very fine sand, 30 m depth, A.N. & J.H., 18.6.1982.

PARATYPE: PMBC 3103, Complete specimen, 57 setigers, length 11 m. Kamala Bay, Phuket Island, fine sand, 10 m depth, A.N. & J.H., 18.6.1982.

Paratypes deposited by the authors in other institutions:

AM Complete specimen, 68 setigers, length 22.2 mm. Patong Bay, Phuket Island, very fine sand, 20 m depth, A.N. & J.H., 11.6.1980.

BMNH ZB 1987.581: Complete specimen, 52 setigers, length 9 mm. Bang Tao Bay, Phuket Island, very fine sand, 30 m depth, A.N. & J.H., 15.10.1980.

USNM 376250-102848: Complete specimen, 62 setigers, length 18.5 mm. Kamala Bay, Phuket Island, fine sand, 10 m depth, A.N. & J.H., 11.6.1980.

ZMC Complete specimen, 59 setigers, length 13.3 mm. Patong Bay, Phuket Island, very fine sand, 30 m depth, A.N. & J.H., 27.2.1982.

Inermonephtys patongi Nateewathana & Hylleberg, 1986.

HOLOTYPE: PMBC 3170, Anterior fragment 101 setigers, length 45 mm. Kamala Bay, Phuket Island, medium sand, 10 m depth, A.N. & J.H., 18.6.1982.

PARATYPE: PMBC 3171, Complete specimen, 131 setigers, length 25 mm. Patong Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 7.4.1981.

Paratypes deposited by the authors in other institutions:

AM Anterior fragment, 93 setigers, length 23.7 mm. Patong Bay, Phuket Island, very fine sand, 10 m depth,

A.N. & J.H., 7.4.1981.

BMNH ZB 1987.583: Anterior fragment, 86 setigers, length 22.4 mm. Patong Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 7.4.1981.

USNM 376250-102849: Anterior fragment, 82 setigers, length 19.8 mm. Patong Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 7.4.1981.

ZMC Anterior fragment, 89 setigers, length 15 mm. Patong Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 26.4.1982.

Nephtys danida Nateewathana & Hylleberg, 1986.

HOLOTYPE: PMBC 3163, Complete specimen 47 setigers, length 9.5 mm. Bang Tao Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 27.2.1982.

PARATYPE: PMBC 3164, Anterior fragment 35 setigers, length 5.1 mm. Kamala Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 7.4.1981.

Paratypes deposited by the authors in other institutions:

AM Complete specimen, 40 setigers, length 7.5 mm. Patong Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 26.4.1982.

BMNH ZB 1987.584: Complete specimen, 38 setigers, length 4.1 mm. Patong Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 18.6.1982.

USNM 376250-102850: Complete specimen, 42 setigers, length 6.4 mm. Patong Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 26.4.1982.

ZMC Complete specimen, 42 setigers, length 5.7 mm. Bang Tao Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 18.6.1982.

Nephtys phasuki Nateewathana & Hylleberg, 1986.

HOLOTYPE: PMBC 3172, Anterior fragment, 30 setigers, length 8.5 mm. Patong Bay, Phuket Island, medium sand, 20 m depth, A.N. & J.H., 18.6.1982.

PARATYPE: PMBC 3173, Anterior fragment, 31 setigers, length 10.6 mm. Patong Bay, Phuket Island, coarse sand, 10 m depth, A.N. & J.H., 10.4.1980.

At the time this paper was prepared, we were informed by the editor of Proceedings of the 2nd Internat. Polychaete Conf. that descriptions of the following new species of magelonids were in press.

Magelonidae

Magelona kamala Nateewathana & Hylleberg, 1990.

HOLOTYPE: PMBC 4283, Anterior fragment, 57 setigers, length 13 mm. Kamala Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 23.12.1981.

PARATYPE: PMBC 4284, Anterior fragment, 38 setigers, length 13 mm. Patong Bay, Phuket Island, very fine sand, 20 m depth, A.N. & J.H., 7.4.1981.

Magelona methae Nateewathana & Hylleberg, 1990.

HOLOTYPE: PMBC 4344, Anterior fragment, 25 setigers, length 9.2 mm. Kamala Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 20.2.1981.

PARATYPE: PMBC 4345, Anterior fragment, broken, 24 setigers, length 8.2 mm. Bang Tao Bay, Phuket Island, fine sand, 10 m depth, A.N. & J.H., 20.2.1981.

Magelona mickiminni Nateewathana & Hylleberg, 1990.

HOLOTYPE: PMBC 3174, Anterior fragment, 23 setigers, length 6.3 mm. Patong Bay, Phuket Island, fine sand, 10 m depth, A.N. & J.H., 28.12.1982.

PARATYPE: PMBC 3175, Anterior fragment, 15 setigers, length 3.6 mm. Bang Tao Bay, Phuket Island, fine sand, 10 m depth, A.N. & J.H., 22.2.1983.

***Magelona noppi* Nateewathana & Hylleberg, 1990.**

HOLOTYPE: PMBC 4280, Anterior fragment, 35 setigers, length 8.5 mm. Nopparatara Beach, Krabi, muddy-sand, intertidal, S. Bussarawit and S. Chantarapornsyl, 1.5.1981.

PARATYPE: PMBC 4281, Anterior fragment, 67 setigers, length 23 mm. Pakmeng Beach, Trang, sandy mud, intertidal, S. Chantarapornsyl and S. Bussarawit, 14.9.1980.

***Magelona pectinata* Nateewathana & Hylleberg, 1990.**

HOLOTYPE: PMBC 3165, Complete specimen, 61 setigers, length 18 mm. Kamala Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 23.12.1981.

PARATYPE: PMBC 3166, Anterior fragment, 59 setigers, length 22 mm. Kamala Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 23.12.1981.

***Magelona petersenae* Nateewathana & Hylleberg, 1990.**

HOLOTYPE: PMBC 4351, Anterior fragment, 14 setigers, length 4.2 mm. Bang Tao Bay, Phuket Island, fine sand, 10 m depth, A.N. & J.H., 15.10.1980.

PARATYPE: PMBC 4352, Anterior fragment, 45 setigers, length 17 mm. Bang Tao Bay, Phuket Island, fine sand, 10 m depth, A.N. & J.H., 22.2.1983.

***Magelona pygmaea* Nateewathana & Hylleberg, 1990.**

HOLOTYPE: PMBC 4219, Complete specimen, 52 setigers, length 10 mm. Kamala Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 8.6.1982.

PARATYPE: PMBC 4220, Complete specimen, 52 setigers, length 6 mm. Kamala

Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 8.6.1982.

***Magelona tinae* Nateewathana & Hylleberg, 1990.**

HOLOTYPE: PMBC 3179, Complete specimen, 75 setigers, length 27.5 mm. Bang Tao Bay, Phuket Island, very fine sand, 10 m depth, A.N. & J.H., 17.9.1980.

PARATYPE: PMBC 3180, Complete specimen, 65 setigers, length 17.5 mm. Kamala Bay, Phuket Island, fine sand, 10 m depth, A.N. & J.H., 17.9.1980.

Onuphidae

***Heptaceras hyllebergi* Nateewathana, 1987.**

HOLOTYPE: PMBC 4696, Complete specimen, 450 setigers, length 262 mm. Kata Beach, Phuket Island, intertidal sand, A.N., 8.11.1984.

PARATYPE: PMBC 4697, Anterior fragment, 358 setigers, length 195 mm. Kata Beach, Phuket Island, intertidal sand, A.N., 8.11.1984.

PARATYPES deposited by the author in other institutions:

AM Anterior fragment, 92 setigers, length 55 mm. Kata Beach, Phuket Island, intertidal sand, A.N., 27.10.1985.

BMNH Anterior fragment, 139 setigers, length 58 mm. Kata Beach, Phuket Island intertidal sand, A.N., 27.10.1985.

USNM Anterior fragment, 115 setigers, length 57 mm. Kata Beach, Phuket Island, intertidal sand, A.N., 27.10.1985.

ZMC Anterior fragment, 113 setigers, length 61 mm. Kata Beach, Phuket Island, intertidal sand, A.N., 27.10.1985.

ZMH Anterior fragment, 152 setigers, length 76 mm. Kata Beach, Phuket Island, intertidal sand, A.N., 27.10.1985.

Nereididae

Gymnonereis phuketensis Hylleberg & Nateewathana, 1982.

HOLOTYPE: PMBC 6000. Bang Tao Bay, Phuket Island, A.N. & J.H., 18.6.1982.

PARATYPE: PMBC 6001. East of Lanta Yai, Trang. S. Bussarawit & B. Chatanathawej, 8.1.1983.

Ceratocephale andaman Hylleberg & Nateewathana, 1988.

HOLOTYPE: PMBC 6016. West of Thai Muang, Phang-nga. S. Bussarawit & B. Chatanathawej, 3.2.1983.

PARATYPE: PMBC 6017. West of Thai Muang, Phang-nga. S. Bussarawit & B. Chatanathawej, 3.2.1983.

CRUSTACEA

Portunidae

Thalamita muusi Serène & Soh, 1976.

HOLOTYPE: PMBC 2321, male, st. 1010-9, 8° 45'N, 98° 01'E, 29 m depth, the 5th Thai-Danish Expedition, 9.1.1966.

Goneplacidae

Hexapus stephensi Serène & Soh, 1976.

HOLOTYPE: PMBC 2063, male of 3 x 4.8, st. 1047-6, 5° 43'N, 100° 13'E, 15 m depth, the 5th Thai-Danish Expedition, 26.1.1966.

Copepoda

Scambicornus pectinis Ho & Kim, 1990.

HOLOTYPE: PMBC 6605. Phanwa Beach, Phuket Island, 7.7.1988.

Synapticola tripocula Ho & Kim, 1990.

HOLOTYPE: PMBC 6606. Phanwa Beach, Phuket Island, 7.7.1988.

Isopoda

Pistorius sasayamai Nunomura, 1990

HOLOTYPE: PMBC 6020. Male, 5.0 mm, from dead coral on Ko Mai Thon at Phuket Island, Y. Sasayama, 6.11.1986.

Allotype and paratype deposited by the author in other institutions:

NSMT Cr 9392: Female, 4.7 mm, same collection data as for holotype.

TOYA Cr 7603: Male, 4.6 mm, same collection data as for holotype.

MOLLUSCA

Mytilidae

Xenostrobus balani Ockelmann, 1983.

PARATYPE: PMBC 3104, Three specimens, Ao Nam Bor, Phuket Island, mangrove, in barnacle shells on mangrove roots, K.W. Ockelman, 26.5.1977.

REMARK: Holotype deposited in ZMC. three paratypes in USNM 822397. Additional specimens in PMBC Reference Collection, PMBC 3732, 15 specimens, Ao Nam Bor, Phuket Island, seaward fringe mangrove, in empty barnacle shells, K.W. Ockelmann, 17.2.1984.

Gastrochaenidae

Gastrochaena carteri Nielsen, 1986.

HOLOTYPE: PMBC 3989, A 6 mm long specimen boring in dead *Porites lutea*, inner reef flat in front of Phuket Marine Biological Center at Laem Pan Wa, Phuket, Claus Nielsen, 20.2.1985.

REMARKS: Paratypes collected from the type locality Jan.-Mar. 1982 and Jan.-Mar. 1985 are deposited at ZMC and BMNH:

Opisthobranchia***Cylindrobulla phuketi* Jensen, 1989.**

HOLOTYPE: PMBC 6668. Naiyang Beach, Phuket Island, K.R. Jensen, 25.11.1986.

ECHINODERMATA

Ophiocomidae***Ophiocoma similanensis* Bussarawit & Rowe, 1985.**

HOLOTYPE: PMBC 3861, Ko Ban Gu, Similan Island, associated with *Pocillopora* at 18.5 m depth, A.N. & J.H., 16.2.1981.

PARATYPE: PMBC 3862, Ko Similan, Similan Islands, on *Montipora* dead coral at 5 m depth, A.N. & J.H., 15.2.1981.

PISCES

Gobiidae***Cryptocentrus crocratus* Wongratana, 1975.**

HOLOTYPE: PMBC 4620, 85 mm SL, Bangkok Fish Market (the specimen was said to come from east coast of the Gulf of Thailand), T. Wongratana, 15.1.1974.

The below 5 species of fish have received PMBC catalogue numbers, following requests by the authors, and the types deposited in the Reference Collection. However, the authors have not informed the Center about place or date of publication, and I have not been able to trace any literature records. I regret the incomplete information but include the records because 2 of the species were designated holotypes by the authors.

Nemipteridae***Nemipterus aurorus* Russell**

PARATYPE: PMBC 4689, Fish landing Songkhla, Thailand, BCR 86-3, B.C. Russell, 29.10.1986.

***Nemipterus flavolineatus* Russell**

PARATYPE: PMBC 5119. Fish Landing Songkla, Thailand, 29.10.1986.

Pomacentridae***Pomacentrus polyspinus* Allen**

HOLOTYPE: PMBC 4683, 63 mm SL, Ko Hi, west coast of Thailand, 4-8 m depth, spear, G. Allen, 7.2.1979.

***Pomacentrus similis* Allen**

PARATYPE: PMBC 5170. Ko Hi, West Coast of Thailand. 16.2.1979.

***Pomacentrus azuremaculatus* Allen**

HOLOTYPE: PMBC 4684, 1:74 mm SL, Phuket Island off Ko Hi, about 5 km S.E. of Phuket (7°45'N, 98°22'E), 5-15 m depth, spear, G. Allen, 16.2.1979.

TYPE MATERIAL DEPOSITED IN
OTHER COLLECTIONS

Many new species have been described from this area and deposited in various museums institutions. We regret that specimens of these species are unavailable for studies at the Center. Some of the new species are known to the Center and listed below, but only with scientific name and authorship.

Alpheus cythereus Banner & Banner, 1966

Alpheus sudara Banner & Banner, 1966

Coxalona inaequalis Bourdon, 1977

Rhisozolenia phuketensis Sundstrom, 1980

Pomacentrus alleni Randall, 1981

Leptojulius charysotaenia Randall & Ferraris, 1981

Rhomboidella malaccana Ockelmann, 1983

Eptatretus indrambaryai Wongratana, 1983

Bopyrissa liberorum Markham, 1985

Metabopyrus irregularis Markham, 1985

Procepon horridulum Markham, 1985
Upogebione phuketensis Markham, 1985
Kepon orientalis Markham, 1985
Trapezicepon thalamitae Markham, 1985
Siamosquilla hyllebergi Naiyanetr, 1989
Synonema gerlachi Jensen, 1989
Synonema phuketense Jensen, 1989

HOW TO OBTAIN MATERIAL FOR TAXONOMIC STUDIES

An important function of Phuket Marine Biological Center is to carry out studies of the flora and fauna of the coastal waters along the Andaman Sea Coast of Thailand. The collected specimens are curated in the permanent museum building of the Reference Collection (Nateewathana, 1983, Nateewathana et al., 1981). All marine biologists are encouraged to participate in this work in accordance with pertaining rules of the Thai Government. Among others, the rules state that research by alien scientists must be in the interest of both parties and not solely of the foreign party. Excellent examples on how this works in practice are provided by Nielsen (1986), K.R. Jensen (1989), Nonumura (1990) and Ho & Kim (this issue, p. 3-32). Samples studied or collected in the course of the research shall become the property of the Reference Collection of PMBC. Therefore, visiting scientists who may want to work with biological specimens from PMBC are requested to follow the regulations of the Center as follows:

A. Biological specimens:

1) After completion of the identification, which may take place at PMBC or at the home institution of the scientist, a complete set of properly labelled, identified specimens must be deposited in the Reference Collection of PMBC.

2) In case of many specimens of the same species PMBC may permit duplicates to be the property of the researcher or the institution.

3) Should there be only one specimen of a species it must be deposited in the PMBC Reference Collection.

4) In case of type material it is compulsory to return the holotype to PMBC. The Reference Collection will issue a catalogue number to be included in the Publication, and please remember to send 2 copies of the publication (one to the library and one to the Reference Collection).

5) If paratypes have been selected, these specimens can be distributed to other museum collections as agreed upon with the curator of the PMBC collection. Also in this case, the Reference Collection should receive information concerning the institution, catalogue number etc.

B. Experiments and other research projects:

Representative samples of labelled and identified specimens should be included in the Reference Collection of PMBC as agreed upon with the curator. Catalogue numbers will be provided to be included in the Publication.

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REFERENCES

- Allen, G.R. Damsel-fishes of the world. Mergus Verlag (W. Germany).
- Banner, A.H. & D.M. Banner. 1966. The alpheid shrimp of Thailand. *Siam Soc. Monogr. Ser.* 3:1-168.
- Boonprakob, U. & J. Hylleberg. 1983. The inauguration of the reference collection building at the Phuket Marine Biological Center. *Phuket mar. biol. Cent. Spec. Publ.* 1:1-50.
- Bourdon, R. 1977. Sur un nouveau genre de Bopyridae parasite des Thalassinides (Crustacea, Isopoda, Epicaridea). *Steenstrupia*, 4(14):167-170.
- Bussarawit, S. & F.W.E. Rowe. 1985. A new species in the Ophiocomid genus *Ophiocoma* (Echinodermata: Ophiuroidea) from the west coast of Thailand, Andaman Sea. *Phuket mar. biol. Cent. Res. Bull.*, 35:1-6.
- Egerod, L. 1975. Marine algae of the Andaman Sea Coast of Thailand: Chlorophyceae. *Bot. Mar.*, 18(1):41-66.
- Ho, J.S. & I.H. Kim. 1990. Sabelliphylid copepods (Poecilostomatidae) associated with holothurians from Phuket, Thailand. *Phuket mar. biol. Cent. Res. Bull.*, 54:3-32.
- Hylleberg, J. & A. Nateewathana. 1988. Polychaetes of Thailand. Nereididae (Part 2); *Ceratocephale* and *Gymnovereis*, with description of two new species and notes on the subfamily Gymnovereidinae. *Phuket mar. biol. Cent. Res. Bull.*, 49:20 pp.
- Jensen, K.R. 1989. A new species of *Cylindrobulla* from Phuket, Thailand, with a discussion of the systematic affiliation of the genus. *Phuket mar. biol. Cent. Res. Bull.*, 52:11 pp.
- Jensen, P. 1989. Revision of Aponchiidae Gerlach, 1963 (Nematoda: Monohysterida), epibiotic nematodes on shells of intertidal epibenthic invertebrates, with description of new species. *Phuket mar. biol. Cent. Res. Bull.*, 50:24 pp.
- Markham, J.C. 1985. Additions to the Bopyrid isopod fauna of Thailand. *Zoologische Verhandlungen*, 224:3-63.
- Naiyanetr, P. 1989. *Siamosquilla hyllebergi*, a new genus and new species of stomatopod crustacean from Thailand. In: E.A. Ferrero (ed.). *Biology of Stomatopods.*, pp.281-284. Selected Symp. & Monographs U.Z.I. Mucchi, Hodena.
- Nateewathana, A. 1983. State of the PMBC Reference Collection and marine invertebrate taxonomy in Thailand. *Phuket mar. biol. Cent. Spec. Publ.*, 1:40-50.
- _____. 1987. *Heptaceras hyllebergi* n.sp. (Polychaeta: Onuphidae) from Kata Beach, west coast of Phuket Island, Andaman Sea, with notes on the habitat. *Phuket mar. biol. Cent. Res. Bull.*, 48:9 pp.
- Nateewathana, A. & J. Hylleberg. 1986. Nephtyid polychaetes from the west coast of Phuket Island, with description of five new species. *Proc. Linn. Soc. N.S.W.*, 108:195-215.
- _____. 1990. Magelonid polychaetes from Thailand, the Andaman Sea, with description of eight new species. In: M.E. Petersen & J.B. Kirkegaard (eds.). *Proceedings of the 2nd International Polychaete Conference, Copenhagen. Ophelia Supplement 5.*
- Nateewathana, A., P. Tantichodok, S. Bussarawit & R. Sirivejabandhu. 1981. Marine organisms in the Reference Collection. *Phuket mar. biol. Cent. Res. Bull.*, 28:43-86.
- Nielsen, C. 1986. Fauna associated with the coral *Porites* from Phuket, Thailand (part 1): bivalves with description of a new species of *Gastrochaena*. *Phuket mar. biol. Cent. Res. Bull.*, 42:1-24.
- Nunomura, N. 1990. A new species of the genus *Pistorius* (Crustacea, Isopoda) from Phuket Island, Thailand. *Bull. Toyama Sci. Mus.*, 13:59-63.
- Ockelmann, K.W. 1983. Description of mytilid species and definition of the Dacrydunae n.subfam. (Mytilacea-Bivalvia). *Ophelia*, 22:81-123.

- Randall, J.E. 1981. *Pomacentrus alleni* and *Amphiprion thiellei*, two new species of pomacentrids (Pisces: Pomacentridae) from the Indo-Pacific. *Fama*, November:68-69.
- Randall, J.E. & C.J. Ferraris, Jr. 1981. A revision of the Indo-Pacific Labrid fish genus *Leptojulius* with descriptions of two new species. *Rev. fr. Aquariol.*, 8:89-95.
- Russell, B.C. Manuscript submitted to *The Beagle, Occasional Papers of the Northern Territory Museum of Arts and Sciences*.
- Serene, R. & C.L. Soh. 1976. Brachyura collected during the Thai-Danish Expedition (1966). *Phuket mar. biol. Cent. Res. Bull.*, 12:1-37.
- Sundstrom, B.G. 1980. *Rhizosolenia phuketensis* sp. nov. and *Rhizosolenia stoltzenfothia* H. Peragallo (Bacillariophyceae). *Bot. Notiser*, 133:579-583.
- Thomsen, H.A. & P. Boonruang. 1983a. A microscopical study of marine collared flagellates (Choanoflagellida) from the Andaman Sea, SW Thailand: species of *Stephanacantha* gen. nov. and *Platypleura* gen. nov. *Protistologica*, 19:193-214.
- _____. 1983b. Ultrastructural observation on marine Choanoflagellates (Choanoflagellida, Acanthoecidae) from the coast of Thailand: species of *Apheloecion* gen. nov. *J. Plankton Res.*, 5:739-753.
- _____. 1984. A light and electron microscopical investigation of Loricated Choanoflagellates (Choanoflagellida, Acanthoecidae) from the Andaman Sea, SW Thailand and Denmark: species of *Cosmoeca* gen. n. *Zool. Scr.*, 13(3):165-181.
- Wongratana, T. 1975. A new goby, *Cryptocentrus crocratus*, with descriptions of other species of the genus from Thailand (Pisces: Gobiidae). *Phuket mar. biol. Cent. Res. Bull.*, 6:1-15.
- _____. 1983. *Eptatretus indrambaryai*, a new species of hagfish (Myxinidae) from the Andaman Sea. *Nat. Hist. Siam. Soc.*, 31:139-150.