

ZOOLOGICA

Contents

Originalabhandlungen aus dem Gesamtgebiet der Zoologie

Gegründet 1888 von R. Leuckart, C. Chun, fortgesetzt von W. Kükenthal, R. Hesse, W. E. Ankel

Herausgegeben von F. Schaller ■ Wien

42. Band

3. Lieferung

Heft 122

GEORG SCHEER

Hessian State Museum, Darmstadt, F. R. Germany

and

C. S. GOPINADHA PILLAI

Central Marine Fisheries Research Institute, Cochin/India

Report on the Scleractinia from the Nicobar Islands

Results of the Xarifa Expedition 1957/58 of the International Institute
for Submarine Research, Vaduz, Liechtenstein (Director Dr. Hans Hass)

With 4 Figures in the Text and 33 Plates



E. Schweizerbart'sche Verlagsbuchhandlung
(Nägele u. Obermiller) ■ Stuttgart 1974

Contents

	page
A. Introduction	1
I. Previous Work	1
Acknowledgments	2
II. The Collecting Stations	2
1. Great Nicobar	3
2. Tillanchong	4
B. Coral Fauna of the Nicobar Islands as known by the Collection of the Xarifa Expedition	7
I. Review of the Results	7
II. Systematic Description of the Collected Corals	10
1. Suborder Astrocoeniina	11
a) Family Pocilloporidae	11
Genus <i>Stylophora</i>	11
Genus <i>Seriatopora</i>	11
Genus <i>Pocillopora</i>	13
b) Family Acroporidae	16
Genus <i>Acropora</i>	16
Genus <i>Astreopora</i>	26
Genus <i>Montipora</i>	26
α) Smooth-foveolate branched species	26
β) Foveolate <i>Montipora</i>	27
γ) Papillate species of <i>Montipora</i>	27
δ) Turberculate <i>Montipora</i>	28
2. Suborder Fungiina	29
Superfamily Agariciidae	29
a) Family Agariciidae	29
Genus <i>Pavona</i>	29
Genus <i>Gardineroseris</i>	32
Genus <i>Coeloseris</i>	33
Genus <i>Pachyseris</i>	33
Superfamily Fungiidae	35
b) Family Fungiidae	35
Genus <i>Cycloseris</i>	35
Genus <i>Fungia</i>	36
Genus <i>Herpolitha</i>	39
Genus <i>Polyphyllia</i>	40
Superfamily Poriticae	40
c) Family Poritidae	40
Genus <i>Goniopora</i>	40
Genus <i>Porites</i>	42
α) Massive species of <i>Porites</i> in which the members of the triplet of the septa do not form a trident	42
β) Massive species of <i>Porites</i> in which the triplet of the septa form a trident	43
γ) Ramose species of <i>Porites</i>	43

3. Suborder Faviina	44
Superfamily Faviicae	44
a) Family Faviidae	44
Subfamily Faviinae	44
Genus <i>Plesiastrea</i>	44
Genus <i>Favia</i>	44
Genus <i>Favites</i>	48
Genus <i>Oulophyllia</i>	49
Genus <i>Goniastrea</i>	50
Genus <i>Platygyra</i>	51
Genus <i>Leptoria</i>	52
Genus <i>Hydnophora</i>	52
Subfamily Montastreinae	53
Genus <i>Diploastrea</i>	53
Genus <i>Leptastrea</i>	53
Genus <i>Cyphastrea</i>	54
Genus <i>Echinopora</i>	54
Subfamily Trachyphylliinae	55
Genus <i>Trachyphyllia</i>	55
b) Family Rhizangiidae	55
Genus <i>Culicia</i>	55
c) Family Oculinidae	56
Subfamily Galaxeinae	56
Genus <i>Galaxea</i>	56
d) Family Merulinidae	56
Genus <i>Merulina</i>	56
Genus <i>Scapophyllia</i>	57
e) Family Mussidae	57
Genus <i>Lobophyllia</i>	57
Genus <i>Symphyllia</i>	58
f) Family Pectiniidae	59
Genus <i>Mycedium</i>	59
Genus <i>Pectinia</i>	60
4. Suborder Caryophylliina	61
Superfamily Caryophylliicae	61
a) Family Caryophylliidae	61
Subfamily Caryophylliinae	61
Genus <i>Heterocyathus</i>	61
Subfamily Eusmiliinae	61
Genus <i>Euphyllia</i>	61
Genus <i>Pterogyra</i>	62
Superfamily Flabellicae	62
b) Family Flabellidae	62
Genus <i>Flabellum</i>	62
5. Suborder Dendrophylliina	63
a) Family Dendrophylliidae	63
Genus <i>Dendrophyllia</i>	63
Genus <i>Tubastraea</i>	64
Genus <i>Heteropsammia</i>	65
Genus <i>Turbinaria</i>	66
Abstract	68
Zusammenfassung	68
Bibliography	69
Index	74
Plates	