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Kyoto University
Proceedings of 4th International Symposium on SEASTAR 2000 and Asian Bio-logging Science

December 15-17, 2007
Royal Phuket City Hotel, Phuket, Thailand

Edited by Nobuaki Arai

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Preface

It is my pleasure to publish the proceedings on 4th International Symposium on SEASTAR2000 and Asian Bio-logging Science (The 8th SEASTAR2000 workshop). We, as a part of the biosphere should perform sustainable use of biological resources without destroying the ecology. Whilst there still are mysterious things in aquatic ecology, expectations for the possibility of providing the necessary biological resources exist. However, in recent years, the number of aquatic species has decreased. Conservation of these species is becoming a major social problem.

We set the challenge to clarify the ecology of aquatic animals which are not readily visible by using bio-logging. Bio-logging is a new method to monitor, record, and measure a living organism's basic physiological functions making the best use of information technology. We place small transmitters or recorders on target species and obtain ecological information of aquatic animals. This is a method to see “what is unseen”.

We are performing the Southeast Asia Sea Turtle Associative Research (SEASTAR2000), the Mekong Giant Catfish Tracking Project (MCTP) and the Dugong Biological Survey (DBS) as part of the 21st Century Centers of Excellence (COE) Program (2002-2006) and the Global COE Program (2007-2012). All the species of the projects are seriously endangered and need a sufficient degree of protection. They are listed in the Convention on International Trade in Endangered Species (CITES) Appendix I. However, very little is known of the species whilst the implementation of their conservation is a pressing problem in Thailand and neighboring ASEAN countries. From this standpoint, it is important to discuss mutually with each other and among the researchers and administrators of the countries concerned.

We launched the first SEASTAR2000 workshop in 2000 in Kyoto, Japan. Since then the meeting has been held every year and 8 proceedings were published. The proceedings now include many topics other than sea turtles.

I hope to continue the meetings and create the next generation.

Nobuaki Arai
Secretariat to SEASTAR
Associate Professor, Kyoto University
Part I: SEA TURTLE

Tagging activities of olive ridley turtle at Gadongalay and Gayetgyi Islands, Bogalay township in Ayeyarwady division, Myanmar
by Maung Maung Lwin p.3

Conservation efforts of sea turtles in India: Socio-economics and the need for a comprehensive action plan
by A. Murugan p.7

Assessment of incidental catch of sea turtles in relation to the fishing practice in Indonesia
by Ngurah N. Wiadnyana p.11

Genetic diversity of the green turtle nesting populations in Yaeyama Archipelago, Japan
by Hideaki Nishizawa, Junichi Okuyama, Osamu Abe, Masato Kobayashi, Kenzo Yoseda and Nobuaki Arai p.15

Comparison of the activity budget between wild and reared juvenile hawksbill turtles
by Kengo Kataoka, Junichi Okuyama, Masato Kobayashi, Osamu Abe, Kenzo Yoseda, Tohya Yasuda and Nobuaki Arai p.19

Preliminary result of ontogenetic change of wave orientation of green turtles in the initial growth stages
by Junichi Okuyama, Hideaki Nishizawa, Osamu Abe, Masato Kobayashi, Kenzo Yoseda and Nobuaki Arai p.23

Electroejaculation and semen evaluation in olive ridley turtle (Lepidochelys olivacea) and hawksbill turtle (Eretmochelys imbricata) in Thailand
by Manita Tanasanti, Chanita Sujariitthanyatrakul, Kamolporn Dhanarun, Komsin Sahatrakul, Parinya Sakorncharoun, Sontaya Manawatthana, Pornchai Sanyathitiseree and Kaitkanoke Sirinarumtr p.29
Part II: AQUATIC MAMMALS

Are ancient dugong bones useful for analyses?
by Osamu Hoson, Go Ogura, Noriyuki Ohtaishi and Sen-ichi Oda p.35

Seasonal characterization of dugong feeding and biomass utilization on selected site in Talibong Island
by Nanako Amamoto, Kotaro Ichikawa, Nobuaki Arai, Tomonari Akamatsu, Tomio Shinke, Takeshi Hara and Kanjana Adulyanukosol p.41

Community protected area at Cape San Agustin in Philippines
by Gliceto O. Dagondon and Lilia Paglinawan p.45

Preliminary estimation of detection rate of dugong acoustical observation
by Kotaro Ichikawa, Tomonari Akamatsu, Nobuaki Arai, Tomio Shinke, Takeshi Hara and Kanjana Adulyanukosol p.47

Stranding records of dugong (Dugong dugon) in Thailand
by Kanjana Adulyanukosol, Chaiyapat Prasittipornkul, Somchai Man-anansap and Pantarak Boukaew p.51

Development of detection device for dugong calls
by Rika Shiraki, Kotaro Ichikawa, Tomio Shinke, Nobuaki Arai, Tomonari Akamatsu, Takeshi Hara and Kanjana Adulyanukosol p.59

Small-scale towing survey combined acoustical and visual observation for finless porpoise in the Yangtze River
by Satoko Kimura, Tomonari Akamatsu, Kexiong Wang, Songhai Li, Dong Shouyue, Ding Wang and Nobuaki Arai p.63
Part III: FISH

Diel behavioral pattern of hatchery-reared black-spot tuskfish determined by acoustic telemetry in natural environment and video observation in a fish tank
by Yuuki Kawabata, Junichi Okuyama, Kimio Asami, Kenzo Yoseda and Nobuaki Arai p.69

Hatchery-reared Mekong giant catfish utilized deep areas in the Mae peum reservoir, northern Thailand
by Hiromichi Mitamura, Nobuaki Arai, Yasushi Mitsunaga, Thavee Viputhanumas and Metha Khachaphichat p.73

Hydatid cysts of zebra shark (Stegastoma fasciatum): a case report
by Nongnut Assawawongkasem, Achariya Sailasutra, Yaoprapa Mathura, Thanida Haetrakul and Nantarika Chansue p.77

A case report: stomach foreign object in whale shark (Rhincodon typus) stranded in Thailand
by Thanida Haetrakul, Somchai Munanansup, Nongnut Assawawongkasem and Nantarika Chansue p.83

Part IV: SEA BIRD

Distribution of emperor penguins’ dive directions under the fast sea ice
by Kozue Shiomi, Katsufumi Sato, Nobuaki Arai, Yasuhiko Naito and Paul J. Ponganis p.89
Part I:
SEA TURTLE
Part II :
AQUATIC MAMMALS
Part III : FISH
Part IV : SEA BIRD
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