

Six New Records of Sharks from Taiwan

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In this paper, six new records of sharks from Taiwan and its adjacent waters are presented. They are *Eridacnis radcliffei* Smith, *Chlamydoselachus anguineus* Garman, *Isistius brasiliensis* (Quoy and Gaimard), *Squalus blainvillei* (Risso), *Cirrhigaleus barbifer* Tanaka, and *Isurus paucus* Guitart Manday. Keys and diagnostic characters of each species are given.

Key words: Elasmobranch, New record, Taiwan.

關鍵詞：板鯊類、新記錄、臺灣。

INTRODUCTION

The catch of sharks in Taiwan is recorded as 40-50 thousands tons per year (Fisheries Yearbook of Taiwan Area, 1988), with the value of 1,100 millions NT Dollars (42 millions US Dollars). It provides an important food resources for the people of this island.

For the purpose of ecological and morphological study on fish-fauna of sharks from the surrounding waters of Taiwan, the extensive and intensive collecting of sharks have been made since 1979. As a results, the following six rare species were found, namely, *Eridacnis radcliffei* (Carcharhiniformes: Proscylliidae), *Chlamydoselachus anguineus* (Hexanchiformes: Chlamydoselachidae), *Isistius brasiliensis* (Squaliformes: Squalidae), *Squalus blainvillei* (Squaliformes: Squalidae), *Cirrhigaleus barbifer* (Squaliformes: Squalidae), *Isurus paucus* (Lamniformes: Lamnidae). Genera *Eridacnis*, *Chlamydoselachus*, *Isistius* and *Cirrhigaleus* are also new records from Taiwan.

In this report, the diagnostic characters of each newly recorded species are presented, along with a revised key to all species of the two genera *Isurus* and *Squalus* in Taiwan.

MATERIALS AND METHODS

All specimens were caught from the coastal waters off Nan-Fan-Ao, Tahsi, Tung-kang and Taitung by bottom trawler (*Eridacnis radcliffei*, *Chlamydoselachus anguineus*, *Squalus blainvillei*), long-liner (*Isurus paucus* and *Cirrhigaleus barbifer*) and purse seine (*Isistius brasiliensis*).

The method of measurement and treatment of data followed those of Compagno (1984). All specimens are preserved at the Department of Fisheries, National Taiwan Ocean University.

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