

## SCIENTIFIC NOTE

### A COLLECTION OF SUBTIDAL FISHES FROM LANYU (BOTEL TOBAGO), TAIWAN, WITH A NOTE ON A NEWLY RECORDED SERRANID, *YPSIGRAMMA LINEATA*<sup>1</sup>

SIN-CHE LEE\* and CHIAN-HSING LEE\*\*

\*Institute of Zoology, Academia Sinica,  
Taipei, Taiwan 115,  
Republic of China  
and

\*\*Department of Zoology, National Taiwan University,  
Taipei, Taiwan,  
Republic of China

After the published account on 177 intertidal fish species of Lanyu in 1980<sup>(3)</sup>, further 4 collections in two trips to the island in August 1979 and April 1980 respectively were made by the authors. As a result of collecting efforts, 45 reef species in 15 families, made with spears and rotenone anaesthetic from the rocky subtidal zone outside the tide pools in 2-4 metres below the lowest tide level, were recognized. There is no particularly noticeable species except a serranid, *Ypsigramma lineata* Schultz which is the new record from the Taiwan area.

#### Family Holocentridae

1. *Adyoryx caudimaculatus* (Ruppell)  
1 specimen, 167 mm standard length, collected on April 24, 1980.
2. *A. itodai* Jordan and Fowler  
8 specimens, 75-136 mm SL, April 24, 1980.
3. *A. ruber* (Forsk.)  
3 specimens, 110-135 mm SL, April 24, 1980.
4. *Myripristis kuntzei* Cuvier  
1 specimen, 52.4 mm SL, August 21, 1979.
5. *M. murdjan* (Forsk.)  
1 specimen, 135 mm SL, April 24, 1980.

6. *M. parvidens* Cuvier  
6 specimens, 67-172 mm SL, April 24, 1980.
7. *M. pralinus* Cuvier and Valenciennes  
1 specimen, 62 mm SL, April 24, 1980.

#### Family Serranidae

8. *Cephalopholis urodelus* (Bloch and Schneider)  
1 specimen, 93 mm SL, Aug. 21, 1979.
9. *Epinephelus fasciatus* (Forsk.)  
1 specimen, 128 mm SL, Aug. 21, 1979.
10. *Variola louti* (Forsk.)  
1 specimen, 170 mm SL, Aug. 21, 1979.
11. *Ypsigramma lineata* Schultz  
(Fig. 1)

*Ypsigramma lineata* Schultz, 1953: 375 (Type locality: Bikini Atoll).

**Material:** 1 specimen, 64.4 mm SL (78.5 mm

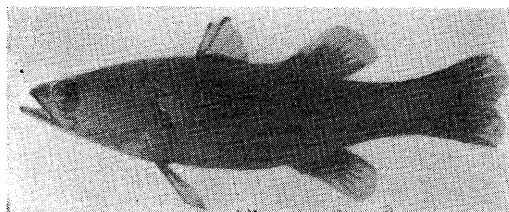


Fig. 1. *Ypsigramma lineata*. 64.4 mm SL.

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TL), April 24, 1980.

**Diagnosis:** D<sup>VI</sup>; D<sup>II</sup>, 11; A. III, 8; P. 15; vertebrae including urostyle 10+15=25; Ll. 46. Head 2.58, body depth 3.34 in standard length. Snout 4.81, eye 4.31, interorbital 5.21, postorbital part of head 1.61 and pectoral length 1.94 in head length. Lateral line arched over pectoral fin; caudal fin shallowly bilobed with rounded tips; mouth large, villiform teeth in jaws, palatines and vomer but toothless on tongue; opercle with 4 scale rows and 3 flap-like spines. Body color when alive red with well separated eight longitudinal dark brown stripes on trunk and 5 on side of caudal peduncle; fins uniformly cherry red.

**Remarks:** The color patterns of the described specimen agree mostly with those of the sixth body stripe. The sixth body stripe of the described specimen extends continuously toward the eye while that of the holotype terminates at the pectoral base. *Ypsigramma lineata* is distinguished from the closely related *Chorististium susumi*<sup>(2)</sup> by having 5 dark stripes on the side of caudal peduncle instead of 4. In addition, the second and third dark stripes on the body side of *Y. susumi* join at the end of soft dorsal base while remain separate in *Y. lineata*.

#### Family Pseudochromidae

12. *Dampiera spiloptera* Bleeker  
1 specimen, 90 mm SL, April 24, 1980.

#### Family Plesiopidae

13. *Calloplesiops altivelis* (Steindachner)  
1 specimen, 95 mm SL, April 24, 1980.  
14. *Plesiops coeruleolineatus* Ruppell  
1 specimen, 65 mm SL, Aug. 22, 1979.

#### Family Priacanthidae

15. *Priacanthus cruentatus* (Lacépède)  
2 specimens, 139-196 mm SL, April 24, 1980.

#### Family Mullidae

16. *Parupeneus flavolineatus* (Lacépède)  
1 specimen, 116 mm SL, August 21, 1979.

17. *P. trifasciatus* (Lacépède)  
1 specimen, 121 mm SL, August 22, 1979.

#### Family Chaetodontidae

18. *Chaetodon bennetti* Cuvier and Valenciennes  
1 specimen, 122 mm SL, August 21, 1979.  
19. *C. lineolatus* Cuvier and Valenciennes  
1 specimen, 179 mm SL, August 21, 1979.  
20. *C. melanotus* Bloch and Schneider  
1 specimen, 115 mm SL, August 22, 1979.  
21. *C. ornatissimus* Cuvier and Valenciennes  
1 specimen, 124 mm SL, August 22, 1979.  
22. *C. speculum* Cuvier and Valenciennes  
1 specimen, 110 mm SL, August 21, 1979.  
23. *Forcipiger flavissimus* Jordan and McGregor  
1 specimen, 111 mm SL, August 21, 1979.  
24. *Holacanthus trimaculatus* Lacépède  
1 specimen, 140 mm SL, August 21, 1979.

#### Family Pomacentridae

25. *Amphiprion frenatus* Brevoort  
2 specimens, 52-77 mm SL, August 22, 1979.

#### Family Cirrhitidae

26. *Paracirrhites forsteri* (Schneider)  
1 specimen, 80 mm SL, August 21, 1979.

#### Family Labridae

27. *Bodianus axillaris* (Bennett)  
1 specimen, 124 mm SL, August 21, 1979.  
28. *B. loxozonus* (Snyder)  
1 specimen, 121 mm SL, August 22, 1979.

#### Family Scaridae

29. *Scarus lunula* (Snyder)  
1 specimen, 212 mm SL, August 22, 1979.

#### Family Acanthuridae

30. *Acanthurus olivacens* Bloch and Schneider  
1 specimen, 141 mm SL, August 22, 1979.  
31. *Naso lituratus* (Bloch and Schneider)  
1 specimen, 78 mm SL, August 21, 1979.  
32. *N. unicornis* (Forsk.)  
1 specimen, 74 mm SL, August 21, 1979.

33. *Zebрасoma scopas* (Bennett)  
1 specimen, 195 mm SL, April 24, 1980.
34. *Z. veliferum* (Bloch)  
1 specimen, 220 mm SL, August 22, 1979.

#### Family Mugiloididae

35. *Parapercis cephalopunctata* (Seale)  
1 specimen, 125 mm SL, April 25, 1980.

#### Family Balistidae

36. *Amaneses scopas* (Cuvier)  
1 specimen, 205 mm SL, April 24, 1980.
37. *Balistapus undulatus* (Mungo park)  
1 specimen, 124 mm SL, August 21, 1979.
38. *Balistoides niger* (Bonnaters)  
1 specimen, 178 mm SL, August 21, 1979.
39. *Cantherhines dumerili* (Hollard)  
1 specimen, 236 mm SL, August 22, 1979.
40. *C. pardalis* (Ruppell)  
1 specimen, 145 mm SL, April 24, 1980.
41. *Melichthys vidua* (Solander)  
1 specimen, 120 mm SL, August 21, 1979.
42. *Odonus niger* (Ruppell)  
1 specimen, 177 mm SL, August 21, 1979.
43. *Sufflamen bursa* (Bloch and Schneider)  
1 specimen, 102 mm SL, August 21, 1979.

44. *S. chrysopterus* (Bloch and Schneider)  
1 specimen, 122 mm SL, August 22, 1979.

#### Family Tetraodontidae

45. *Tetraodon nigropunctatus* (Bloch and Schneider)  
1 specimen, 170 mm SL, August 22, 1979.

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## 蘭嶼採集之亞潮帶魚類並記述一新紀錄

### 種之鱸科魚類 *Ypsigrama lineata*

李信徹 李健興

本文係作者等於 1979 年 8 月及 1980 年 4 月在低潮線下約 2~4 公尺深之蘭嶼岩礁沿岸所採集之結果。所採獲 45 種亞潮帶魚類中屬鱸科之 *Ypsigrama lineata* 為臺灣地區首次發現。