

B. Dorsal spines subequal from the fifth or sixth or increasing in length throughout.

1. D. XIV-XV 12-15. A. V-VI 8-9. 11 gill-rakers on the lower part of anterior arch ;  
snout not longer than postorbital part of head.

Pectoral as long as the head ; depth of body  $1\frac{1}{2}$  in its length ; last dorsal

spine  $\frac{3}{5}$  the length of head ; caudal rounded . . . . . 29. *macracanthus*.

Pectoral a little shorter than the head ; depth of body 2 in its length ; last

dorsal spine  $\frac{2}{5}$  the length of head (a little more in the young) ; caudal

subtruncate . . . . . 30. *heterodontum*.

2. D. XVI 11. A. V 8-9. 12 gill-rakers on the lower part of

anterior arch ; snout longer than postorbital part of head ;

pectoral extending nearly to above origin of anal . . . . . 31. *altifrons*.

3. D. XVI-XVII 11-12. A. VII 8-9.

a. Pectoral extending to above the last anal spine ; 12 or 13 gill-

rakers on the lower part of anterior arch ; snout longer than

postorbital part of head . . . . . 32. *rostratum*.

b. Pectoral extending to above the third or fourth anal spine.

12 gill-rakers on the lower part of anterior arch ; caudal slightly

emarginate, with rounded lobes . . . . . 33. *margaritiferum*.

9 or 10 gill-rakers on the lower part of anterior arch ; caudal

rounded . . . . . 34. *citrinellum*.

II. Lips exceptionally thick ; anterior pair of teeth in the upper jaw strongly enlarged ;  
two anterior pairs of teeth in the lower jaw enlarged and subequal.

- D. XVII 11-12. A. VII-VIII 8-9. Pectoral extending to above the third to fifth anal  
spines.

A. Lips subnormal, scarcely produced medianly . . . . . 35. *erythræum*.

B. Each lip produced medianly as a long fleshy flap.

Length of head nearly 3 in the length of the fish ; 9 gill-rakers on the lower

part of anterior arch . . . . . 36. *lobochilus*.

Length of head  $2\frac{1}{2}$  to  $2\frac{3}{5}$  in the length of the fish ; 11 or 12 gill-rakers on the

lower part of anterior arch . . . . . 37. *labiatum*.

## 27. *Cichlosoma robertsoni*, Regan, 1905. (Tab. III. fig. 1.)

*Cichlosoma robertsoni*, Regan, Ann. Mag. N. H. (7) xvi. 1905, p. 239.

*Hab.* BRITISH HONDURAS, Stann Creek (*Robertson*).

## 28. *Cichlosoma longimanus*, Günth., 1869.

*Cichlosoma longimanus*, Regan, Ann. Mag. N. H. (7) xvi. 1905, p. 240.

*Hab.* LAKE NICARAGUA (*Salvin*).

## 29. *Cichlosoma macracanthus*, Günth., 1864. (Tab. V. fig. 1.)

*Cichlosoma macracanthus* (part.), Regan, Ann. Mag. N. H. (7) xvi. 1905, p. 241.

*Hab.* GUATEMALA, Huamuchal and Chiapam (*Salvin*).