Rectoris longibarbus, a new styglophic labeonine species (Teleostei: Cyprinidae) from South China, with a note on the taxonomy of R. mutabilis (Lin 1933)

DING-GUI ZHU1, E ZHANG2,4 & JIA-HU LAN3
1Agricultural Vocational and Technical College of Guangxi, Nanning 530007, Guangxi Province, P. R. China.
2Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan 430072, Hubei Province, P. R. China.
3Fishery Bureau of Du’an County 530700, Guangxi Province, P. R. China.
4Corresponding author, E-mail: zhange@ihb.ac.cn

Abstract
Rectoris longibargus, new species, is here described from the Zuo–Jiang of the Pearl River drainage at Jinxi County, Guangxi Province, China. It is distinct from all other congeners in the rostral barbel length and the structure of the gas-bladder. Rectoris longibarbus is further distinguished from R. posehensis by having a slightly papillated posteromedian patch on the median plate of the lower lip, and from R. mutabilis, as here understood, by having a longitudinal black stripe running along the lateral line on the flank. Taxonomic problems with R. mutabilis are also addressed; it is regarded to be a senior synonym of R. luxiensis. The type locality of R. mutabilis is likely in the Yuan–Jiang (a tributary of the middle Yangtze River drainage) in Guizhou Province. The species currently recognized as R. mutabilis is previously unnamed, and possibly represents an undescribed genus.

Key words: Rectoris, new species, Cyprinidae, taxonomy, China

Introduction
The labeonine cyprinid genus Rectoris was originally established by Lin (1935) as a monotypic genus for Rectoris posehensis on the basis of two 109 and 72 mm SL specimens from Poseh (presently Baise), Kwangxi (presently Guangxi Province). A taxonomic revision of Rectoris was subsequently presented by Wu et al. (1977) in their monograph on Chinese cyprinids in which two other species were referred to this genus: R. mutabilis, a species originally described in Epalzeorhynchus by Lin (1933) based on four specimens from the Yunkiang, Kweichow (presently Guizhou), and R. luxiensis, which was then described by Wu et al. as a new species from the Yuan-Jiang of the Lake Dongting system in Hunan Province. The classification of this genus by Wu et al. has since been accepted widely by subsequent authors (Li 1989; Zhang et al. 2000). Recently, Li et al. (2002) described R. longifinus as a new species from Yunnan, but without a precise type locality. Our photographic examination of the type material demonstrated that this species does not belong to Rectoris. Its generic classification needs further investigation, but that is beyond the scope of the present paper.

Although Kottelat (2001) addressed several taxonomic issues with R. mutabilis, but the taxonomy of this species is still poorly understood. The type locality of R. mutabilis is in Kweichow (presently Guizhou) Province where no specimens of this species other than the types have been caught until now. Its original description reads: “Chin provided with more or less triangular patch of small, roundish papillae, rudimentary, or absent in young specimens.” Two specimens of 166 and 175 mm SL from the Yuan-Jiang (= Red River) drainage in Yunnan, southern China, on which the description of R. mutabilis by Wu et al. (1977) was based, did not fit the original description of this species in this regard.

Rectoris luxiensis is known from the Xiang-Jiang and Yuan-Jiang in Hunan Province, and Daling-He in Chongqing City (Zhang et al. 2000). Careful examination demonstrates that a triangular, slightly papillated patch on the chin is present in the specimens of R. luxiensis from its known distributions. Comparison of the other data given in the original description of R. mutabilis with those obtained from the type material and available materials