

FIGURES OF THE NEW TAXA OF CYPRINID FISHES DESCRIBED BY NGUYEN AND DOAN, 1969

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ABSTRACT

Original figures made for the paper describing new genera and new species level taxa of cyprinid fishes from the Red River basin in northern Vietnam by Nguyen Van Hao and Hoa Le Doan in 1969 are published here for the first time. All or nearly all of the figures were prepared in 1966. The figures are essential for identification of the taxa.

Key words: original figures, new taxa, Cyprinidae, Red River basin, lectotypes

INTRODUCTION

The original pen and ink drawings by Vietnamese illustrators meant to accompany the written descriptions of the new taxa of cyprinid fishes described by NGUYEN & DOAN (1969) had been completed but were not published simultaneously with the text in July 1969 (ROBERTS, 2007) because the means to reproduce them were not available. Of the original drawings, only those for *Daniops nammuensis* and *Erythroculter pseudobrevicauda macropthalmus* are missing. The drawings are reproduced here for the first time for *Laichowcypris dai* (type species of the genus *Laichowcypris*), *Nicholsicypris dorsohorizontalis*, *Paradaniops macropterus* (type species of *Paradaniops*), *Crossocheilus namlenensis*, *Lissochilus longibarbis*, *L. brevispinus*, *L. laocaiensis*, *Garra laichowensis*, *Puntius takhoaensis*, *Varicorhinus argentatus*, *V. erythrogenys*, *V. microstomus*, *Onychostoma brevicephalus*, *O. microcorpus*, and *Hemibarbus longianalis*. These taxa should be attributed to Nguyen and Doan, 1969. The figures are presented in the same order and with the same numbering as in the original paper by NGUYEN & DOAN (1969) and in the translation in the paper preceding this one by Nguyen Van Canh (NGUYEN, 2007).

The drawings are more helpful in identifying the species than the text part of the original descriptions. Whenever the specimens drawn have been found and identified as such they have been designated as lectotypes for the nominal species in the paper after this one (ROBERTS & CATANIA, 2007).

THE FIGURES

The unique set of original figures is kept at RIA No. 1 at Hu Bac, Hanoi. The figures reproduced here are from the photographs taken of the originals by David M. Catania.

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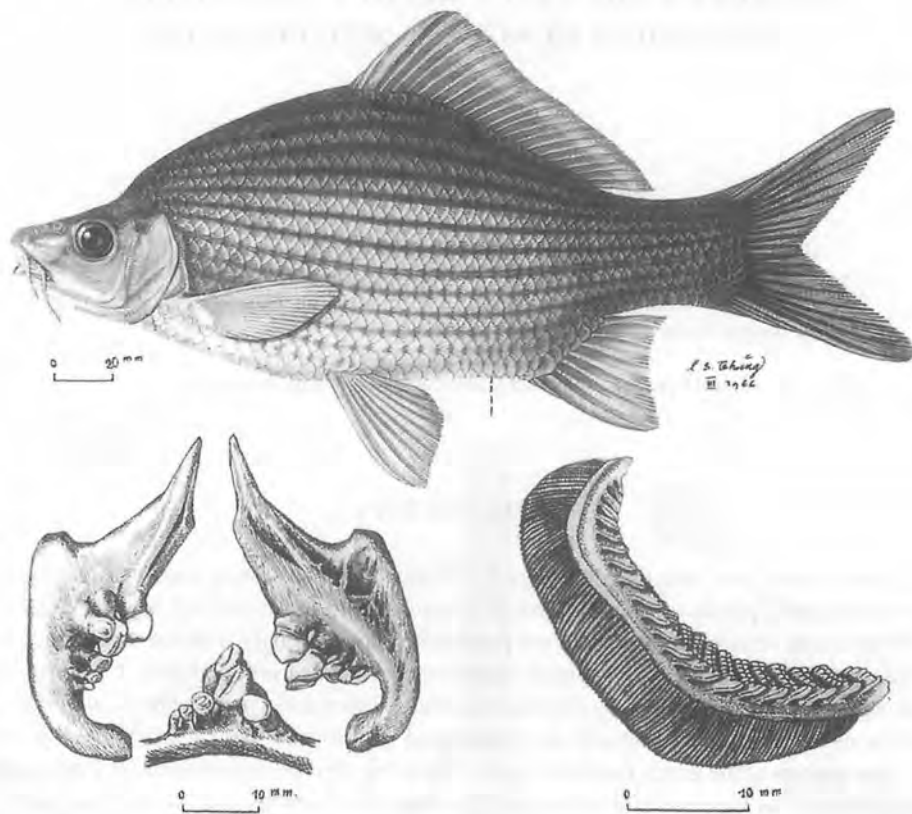


Figure 1. *Laichowcypris dai*.

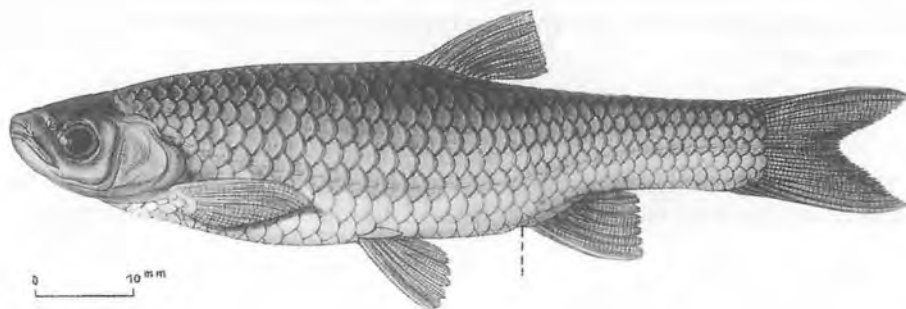


Figure 2. *Nicholsicypris dorsohorizontalis*.

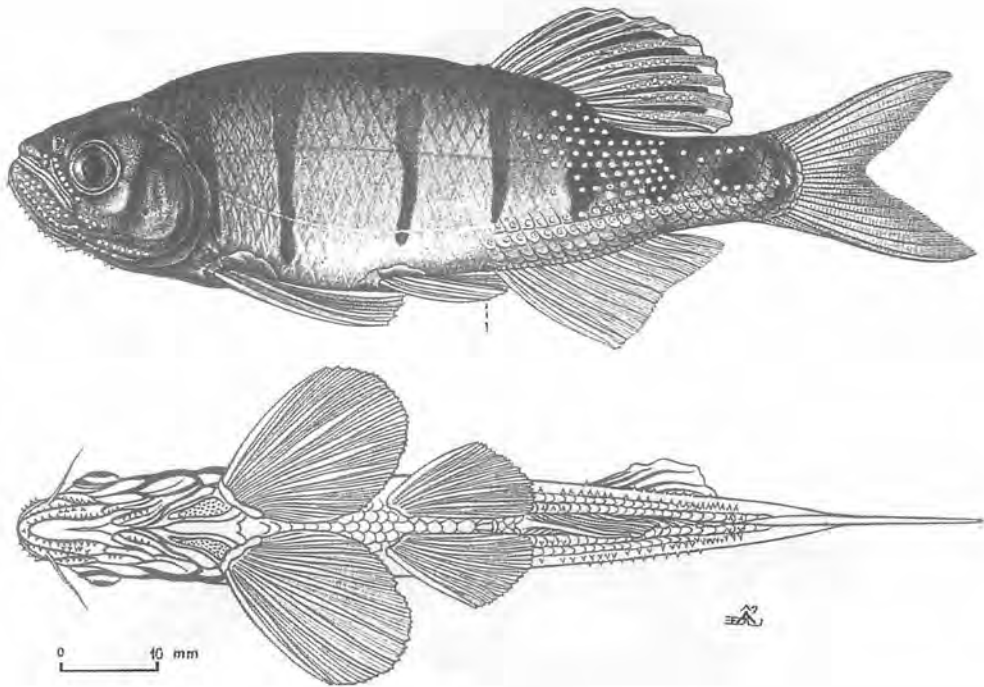


Figure 3. *Paradaniops macropterus*.

Figure 4. *Daniops nammuensis* (figure missing).

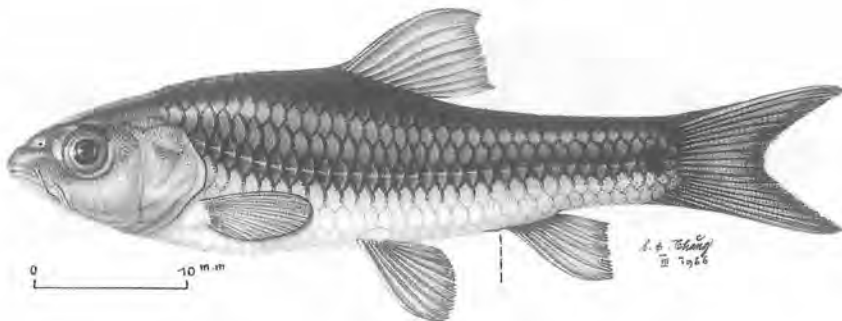


Figure 5. *Crossocheilus namlenensis*.

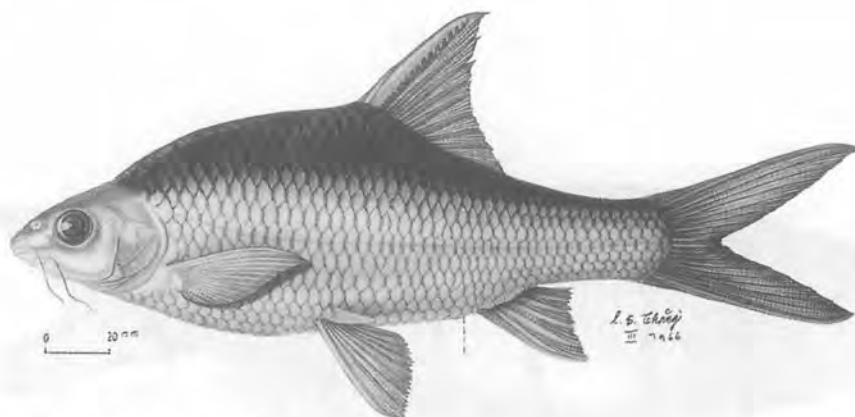


Figure 6. *Lissochilus longibarbis*.

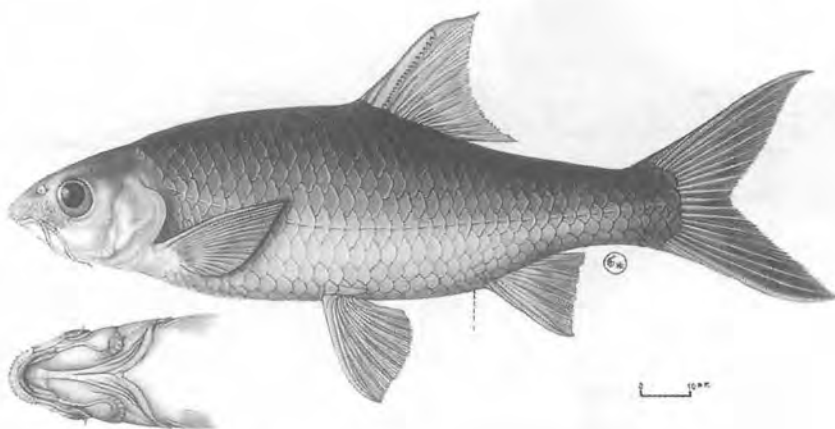


Figure 7. *Lissochilus brevispinus*.

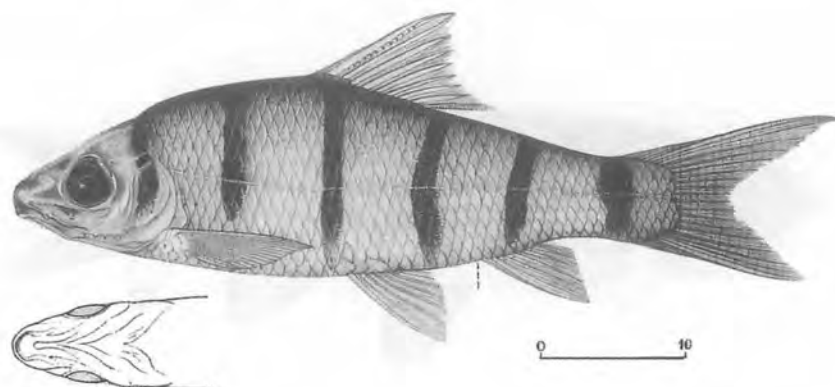


Figure 8. *Lissochilus laocaiensis*.

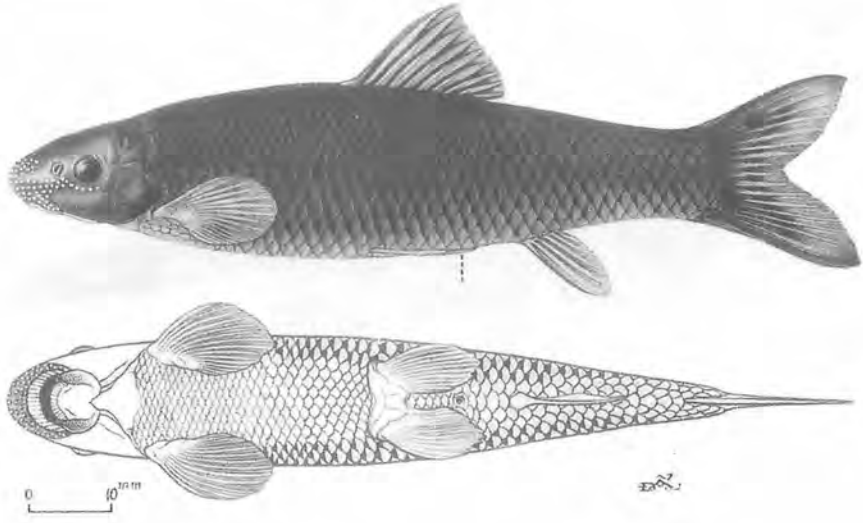


Figure 9. *Garra laichowensis*.

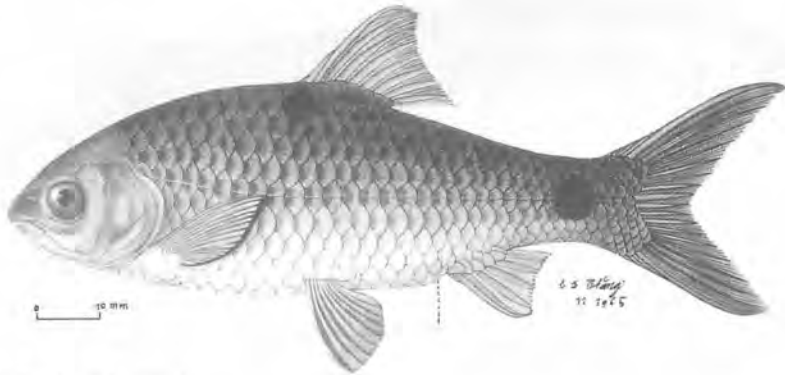


Figure 10. *Puntius takhoaensis*.

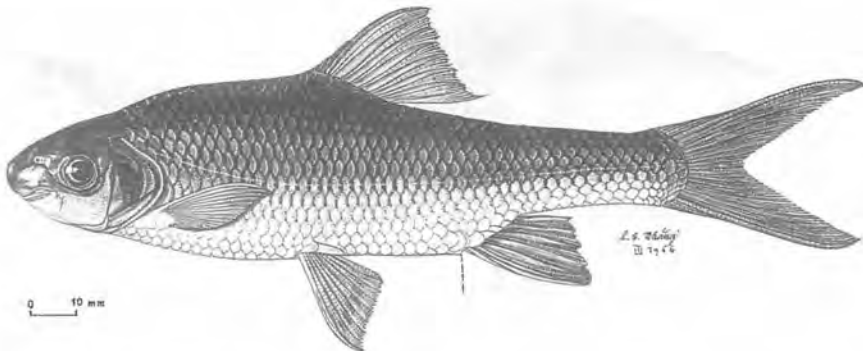


Figure 11. *Varicorhinus argentatus*.



Figure 12. *Varicorhinus erythrognys*.

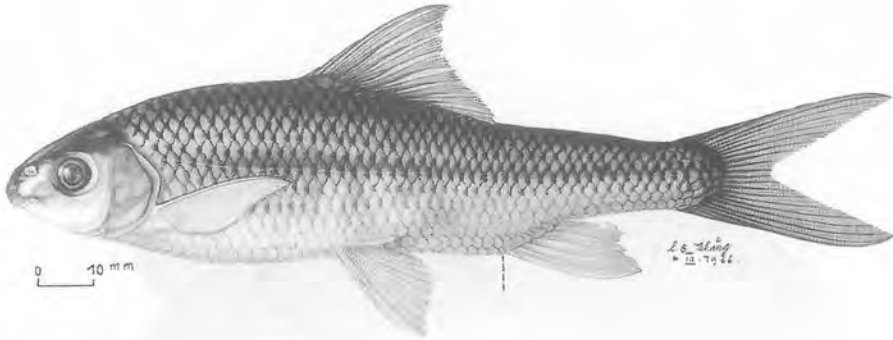


Figure 13. *Varicorhinus microstomus*.

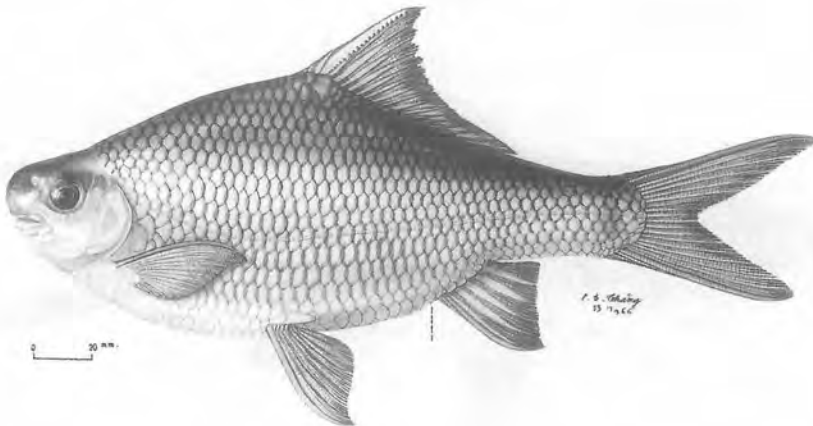


Figure 14. *Onychostoma brevicephalus*.

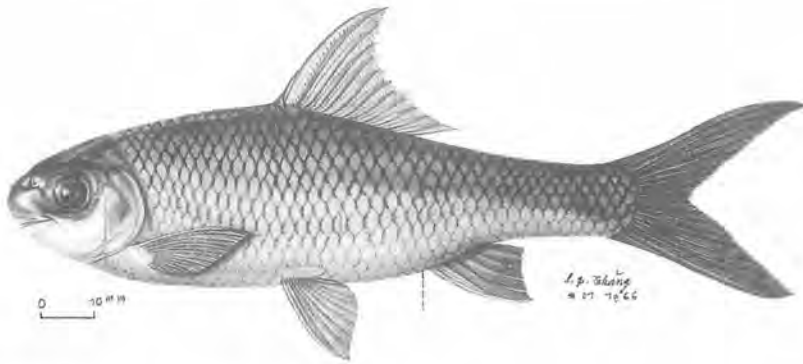


Figure 15. *Onychostoma microcorpus*.

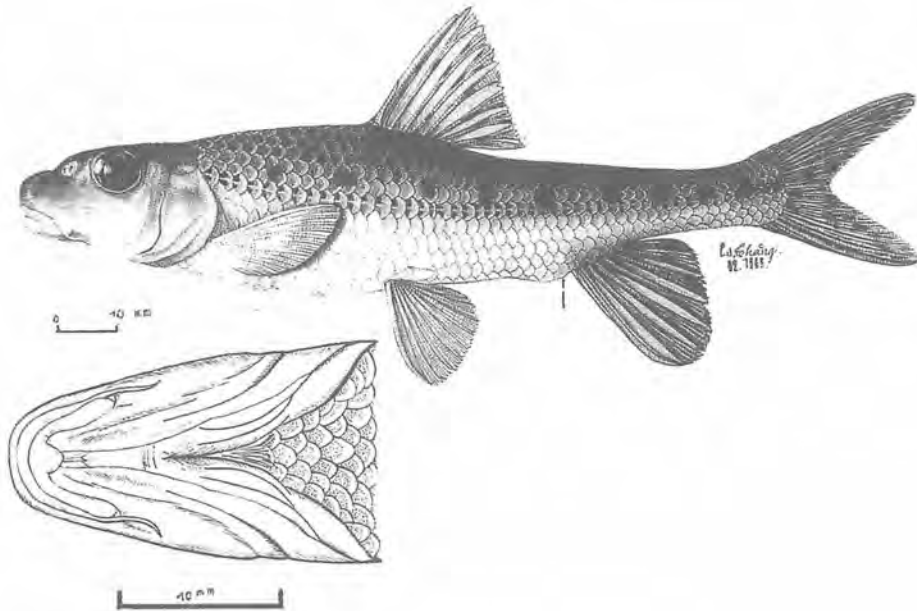


Figure 16. *Hemibarbus longianalis*.

Figure 17. *Erythroculter pseudobrevicauda macrophthalmus* (figure missing).

REFERENCES

- NGUYEN VAN HAO AND DOAN LE HOA. 2007. Some data on the composition origin, and distribution of cyprinid fish species in Northern Vietnam with descriptions of new taxa. Translated by Nguyen Van Canh. *Nat. Hist. Bull. Siam Soc.* 55 (1):59–76. Originally published as the Report of the Freshwater Fishes Studies Branch, Hanoi in the First Scientific Seminar of the Fisheries Division, Democratic Republic of Vietnam. [1969] (in Vietnamese).
- NGUYEN VAN HAO AND DOAN LE HOA. [1969]. Mot so dan lieu ve thanh phan nguon goc va phan bo cac loai trong ho ca chep o mien Bac Viet Nam. Bao cao tai Hoi nghi hoc thuat nganh Thuy san, lan I, i+19 pp. [For English translation see preceding article].
- ROBERTS, T. R. 2007. Publication of a translation and of the previously unpublished illustrations for a little-known work describing new taxa of cyprinid fishes from Northern Vietnam by Nguyen and Doan, 1969. *Nat. Hist. Bull. Siam Soc.* 55(1): 55–58.
- ROBERTS, T. R., AND D. CATANIA. 2007. Designation of lectotypes and neotypes, systematic status, and biological remarks on Red River Cyprinidae described by Nguyen and Doan, 1969. *Nat. Hist. Bull. Siam Soc.* 55(1): 85–97.