New cichlids from Lake Malawi

Including descriptions of two new species by Don S. Johnson

Editor's Note: Lake Malawi is a large body of water, the 11th largest lake in the world, with 10,600 sq. miles of area. The initial surveys of the lake were all made at the southern end. Now as modern fish collectors, such as Peter Davies, expand their operations into the northern end of the lake, many hitherto unknown species, and many new color morphs of known species, are finding their way into the aquarium trade.

Many of the “new” fishes come from the shores of islands in the northern part of Lake Malawi, islands such as Likoma. From Likoma Island come two new Labidochromis, described here; the “mini zebra”, Pseudotropheus? sp.; the “checkerboard Malawi cichlid”, probably, according to Fryer, one of the P. trophoeops complex; what is probably a new species of Pseudotropheus, which is being currently sold as P. lucerna; the “white-top” P. zebra; and a new color variety of P. macropthalmus.
Labidochromis freibergi spec. nov.

Holotype deposited in American Museum of Natural History, New York City, catalog No. 33466. Collected off Likoma Island, Lake Malawi, Malawi by Peter Davies, et al.

Holotype: Female. Total length 62mm; standard length 77mm total length. Dorsal XVIII; anal III, 5. Color as shown in Figure 1.

Diagnosis: Total length 77mm; standard length 62mm. Pelvic fin II, 6. Body depth contained 3.1, head length 3.2; dorsal length 1.6; least depth of caudal peduncle 7.6, all in standard length. Snout length 3.9; eye diameter 3.9, all in head length. Gill rakers on outer arch, 5. Teeth, typical Labidochromis, 3 rows, pointed, anterior teeth protruding forwards. Anterior teeth red tipped. Third ray of anal fin extremely spiny. Named in honor of the importer who first brought this species to our attention and who first made it available to hobbyists in the United States. - JAJ

Labidochromis joanjohnsonae spec. nov.

Types deposited in the American Museum of Natural History, New York City. Holotype catalog No. 33464; Paratype catalog No. 33465. Collected off Likoma Island, Lake Malawi, Malawi by Peter Davies, et al.

Holotype: Female. Total length 72mm total length; 60mm standard length. Dorsal XVII, 8. Color as shown in figure 2.

Paratype: Male. Total length 81.5mm total length; 68.5mm standard length. Dorsal XVII, 8.

Diagnosis: Total length 72mm; standard length 60mm. Head length 4.6; dorsal length 1.8; head depth 3.6; body depth 3.1; least depth of caudal peduncle 7.5; all in standard length. Snout length 3.3 in head.

Paratype: Total length 82mm; standard length, 67mm. Scales below lateral line 8. Dorsal length 1.6; least depth of caudal peduncle 9.8; head length 3.7; all in standard length. Eye diameter 5.5, snout length 2.5, both in head length. Gill rakers on first arch 10, pointed, moderately long. Named in honor of Joan Johnson, editor of TODAY'S AQUARIST.

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Pseudotropheus johannii Eccles 1973

Following is an abstract of Dr. D. H. Eccles' description of a new species of Pseudotropheus in Arnoldia Rhod. 16 (16): 4-7. While the original description of this fish notes that the types were collected near Cape Ngombo, Lake Malawi, Malawi, the species in question is also found off Makanjila Island, Lake Malawi. Types are deposited in the United States National Museum, Washington, D.C.

Holotype: Female. Total length 84.3mm; standard length 70mm.

Paratype: Male. Total length 84.5mm; standard length 68.5mm.

Diagnosis: (Where holotype and paratype differ, holotype is given first.) In standard length: depth body 3.4, 3.3; head 3.4, 3.5; caudal peduncle 8.4, 7.7. In head: eye, 3.3, 3.5; snout 4.1, 4.1; lower jaw, 2.9, 3.0. Dorsal XIX, 7 (8), XVIII, 15 (9). Anal III, 7 (8). Gill rakers: 10.1.1, 8; 9.1.3.2. Named in memory of John James, a collector of fishes for the aquarium trade.
Figure 1: 
Labidochromis treibergi Johnson 1974 is a new species from Likoma Island, Lake Malawi. This is the holotype.

Figure 2: 
Labidochromis Joanjohnsonae Johnson 1974 is also a new species from Likoma Island, described here for the first time. This is the holotype.

Figure 3: 
Pseudotropheus johanni Eccles 1973 shares with P. auratus the distinction of being the only Pseudotropheus species so far discovered having horizontal instead of vertical stripe. Female is at left. A different color morph from Likoma Island has tan females, males with one broken blue stripe.

The “white-top” zebra is a recently discovered color morph of Pseudotropheus zebra. It comes from Likoma Island, Lake Malawi, and has a dorsal fin edged in white.