

the *atherinoides* series and the subgenus *Lythrurus*. It agrees favorably with the former, especially such species as *N. amoenus* and *N. atherinoides*, in pigmentation and general physiognomy; and it exhibits few of the specializations that distinguish other members of *Lythrurus*. Nevertheless the small scales, high anal ray counts, reduced cephalic lateral line, tuberculation (of some populations), xanthic breeding colors, enlarged urogenital papilla (females only), and small size of this species show conclusively that it is more closely related to species of the subgenus *Lythrurus* than to any member of the subgenus *Notropis*.

*Notropis bellus bellus* (Hay) 1881

PRETTY SHINER

Figure 3B

- Minnilus bellus* Hay, 1881:510-11 (original description; in synopsis and key to subgenus *Lythrurus*). Hay, 1883:74 (distribution). Jordan and Gilbert, 1883:198-9 (in key; description).
- Notropis alabamiae* Jordan and Meek, 1884:476-7 (original description). Jordan, 1885a:548 (*N. alabamiae* incorrectly synonymized with *N. lirus*). Jordan, 1885b:27, footnote 2 (*N. alabamiae* incorrectly synonymized with *N. lirus*).
- Notropis bellus*. Jordan, 1885b:27 (listed; range). Jordan and Evermann, 1896a:59 (listed). Jordan and Evermann, 1896b:258, 297 (in key; description). Fowler, 1945:30 (listed from Alabama Dr.). Eddy, 1957:118, 130, fig. 296 (in key; characters; range). Howell, 1957:236-45, map 31 (in key; characters; Ala. records, in part; sympatry with *N. roseipinnis* erroneous). Cook, 1959:33, 38, 107, 120-1 (in key; spawns in late June; description; compared with *N. roseipinnis*; distribution). Boschung, 1961:274, 281-2 (first records from Coosa R. system; station 44 record based in part on hybrid *N. b. bellus* x *N. lirus*; habitat; range, partly in error). Schrenkeisen, 1963:124 (range, in part; characters). Ramsey, 1965:94, 93 (distribution, in part). Williams, 1965:23-4, 85 (records and distribution in Tallapoosa R. system). Tucker, 1967:90, 192, map 51 (partial synonymy, habitat; distribution; records from Mobile basin; possible competitive exclusion with *N. roseipinnis*). Moore, 1968:74, 80 (in key; characters; range). Wall, 1968:17, 40, 43-6, fig. 3 (first report from Tennessee Dr.; distinguished from *N. ardens*; counts; Bear Cr. system records; complementary distribution with *N. ardens* in Bear Cr.; all in part). Smith-Vaniz, 1968:36, 43-4, 124-5, 130, fig. 77 (in key; partial synonymy; range, except for reference to new form in Chattahoochee, which is *N. atrapiculus*; zoogeography).
- Lythrurus bellus*. Jordan, Evermann; and Clark, 1930:126 (listed; synonymy). Misidentifications. Wall, 1968:17 (*N. fumeus* as *N. bellus* from Bear Cr., in part).
- TYPES.—The type series was specified as USNM 27426, with the following data: Catawba Creek and tributaries at Artesia, Lowndes County, Mississippi (Tombigbee drainage); March and April 1880; collector, O. P. Hay (Hay, 1881:488-9, 511). Two jars bearing the number USNM 27426 have been located; one jar contains a single specimen, the other three. Jar labels indicate that the single, isolated specimen is "the type"; and I herein select it as lectotype. This poorly preserved, nearly scaleless specimen is about 45 mm SL. Anal rays number 9, a rare count for *N. b. bellus*, but in body shape and especially in fin pigmentation the specimen is typical of the subspecies. The three other specimens originally cataloged as USNM 27426 are lectoparatypes, now USMN 203332. Other specimens from the type series, not