



Comparison of Vertebral Counts of Atlantic Menhaden (Classic Reprint) (Paperback)

By Fred C June

Forgotten Books, 2018. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Comparison of Vertebral Counts of Atlantic Menhaden The similarity in the vertebral counts of juveniles in northern estuaries and of spring spawners from adjacent ocean waters further emphasizes the distinctness of a northern group of fish which appears to be physiologically and genetically adapted to life under conditions of lower temperature. Thus, the inverse relation between vertebral number and temperature noted for many clupeoid fishes (Barlow, 1961) does not seem to hold for Atlantic menhaden. In the present study, the hypothesis was that no more than two discrete groups of spawners were present simultaneously in the different localities, and the data confirm that this conclusion, in general, agrees with the known facts concerning the occurrence of spring and autumn-spawned juveniles in estuarine nurseries and the seasonal occurrence of sexually active fish in the commercial catches. Some spawning, however, occurs in waters north of Long Island through summer (Herman, 1961). Furthermore, spawning by younger, smaller fish occurs from North Carolina southward beginning in September or October (in advance of the arrival of the larger, older spawning fish from farther...

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