

หนังสืออ้างอิง

- Ann Preece, H.T. 1972. A Manual for Histologic Technicians.  
Boston: Little, Brown and Company. pp. 38.
- Atz, J.W. 1953. Orientation in Schooling Fishes. In Proceeding of a Conference on Orientation in Animals, Feb. 6, 7, 1953.  
Washington. Washington, D.C. Office of Naval Research  
Department of the Navy.
- Axelord, H.R., and Vorderwinkler, W. 1965. Encyclopedia of Tropical Fishes. New Jersey. T. F. H. Publications Inc. pp. 470 - 473.
- Breder, C.M., and Halpern, F. 1946. Innate and Acquired Behavior Affecting the Aggregation of Fishes. Physiol. Zool., 19 : 154-189.
- Breder, C.M., and Nigrelli, R.F. 1935. The Influence of Temperature and Other Factors on the Winter Aggregation of the Sunfish, Lepomis auritus, with the Critical Remarks on the Social Behavior of Fished. Ecology, 16:33 - 47.
- Brett, J.R. 1957. The Sense Organs : The Eye. The Physiology of fishes.  
New York: Academic Press Inc., Publishers. vol. 2. pp. 126 - 134.
- Cahn, P.H., Shaw, C., and Atz, E.H. 1968. Lateral - line Histology as Related to the Development of Schooling in the Atherinid Fish, Menidia. Bull. Mar. Sci., 18 (3) : 660 - 669.
- Culling, C.F.A. 1963. Handbook of Histopathological Techniques.  
London : Butterwerths. pp. 52 - 61.
- Di Fiore, M.S.H. 1967. Atlas of Human Histology. Philadelphia : Lea & Febriger. pp. 228 - 232.

- Eibl - Eibesfeldt, I. 1970. Ethology. The Biology of Behavior.  
New York : Holt, Rinehart and Winston. pp. 350.
- Günther, S. 1973. Freshwater Fishes of the World. London : T.F.H.  
Publication, Inc. Ltd. vol. 1,2. pp. 421,428,480 - 481.(in English)
- Hemmings, C.C. 1966. Olfaction and Vision in Fish Schooling. J. Exp. Biol., 45 : 449 - 464.
- Hemmings, C.C. 1966. The Mechanism of Orientation of Roach, Rutilus rutilus L. in an Odour Gradient. J. Exp. Biol., 45 : 465 - 474.
- John, K.R. 1964. Illumination, Vision and Schooling of Astyanax mexicanus (Fillipi). J. Fish. Res. Bd. Canada., 21(6) : 1453 - 1473.
- Morrow, J.E. 1948. Schooling Behavior in Fish. Q. Rev. Biol., 23 : 27 - 38.
- Moulton, J.M. 1960. Swimming Sounds and the Schooling of Fishes.  
Biol. Bull., 119 : 210 - 223.
- Parr, A.E. 1927. A Contribution to the Theoretical Analysis of the  
Schooling Behavior of Fishes. Occas. Pap. Bingham Oceanogr. Coll., 1 : 1 - 32.
- Patt, D.I., and Patt, G.R. 1969. Comparative Vertebrate Histology.  
New York : Harper & Row, Publishers. pp. 382 - 389.
- Rugh, R. 1962. Experimental Embryology. 3<sup>rd</sup> ed. Minnesota : Burgess Publishing Company. pp. 360 - 366.
- Shaw, E. 1960. The Development of Schooling Behavior in Fishes.  
Physiol. Zool., 33 : 79 - 86.
- Shaw, E. 1962. The Schooling of Fishes. Sci. Amer., 206 : 128 - 138

- Shlaifer, A. 1940. The Locomotor Activity of the Goldfish,  
Carassius auratus L. under Various Conditions of Homotypic  
and Heterotypic Grouping. Ecology, 21 : 488 - 500.
- Smith, H.M. 1945. The Fresh - water Fishes of Siam, or Thailand.  
United States Government Printing Office Washington. pp. 424 - 425.
- Snedecor, G.W., and Cochran, W.G. 1971. Statistical Methods. Iowa.  
The Iowa State University Press. 6<sup>th</sup> ed. pp. 91 - 97, 172 - 177,  
250 - 253, 549 - 551, 557.
- Steven, D.M. 1959. Studies on the Shoaling Behavior of Fish. I.  
Response of Two Species to Changes of Illumination and to  
Olfactory Stimuli. J. Exp. Biol. 36 : 261 - 280.
- Suvatti, C. 1950. Fauna of Thailand. Department of Fisheries.  
pp. 314 - 315.
- Van Olst, J.C., and Hunter, J.R. 1970. Some Aspects of the Organiza -  
- tion of Fish Schools. J. Fish. Res. Bd. Canada., 27 : 1225 -  
1238.
- William, J.B. 1974. Histology and Comparative Organology. A Text -  
atlas. Baltimore : William & Wilkins Company. pp. 262 - 268.

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