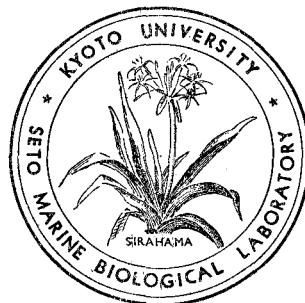


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- BABA, Kikutaro [馬場菊太郎] : 日本産後鰓類の生態ノート (I), 後鰓類の産卵習性  
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- : アメリカ産貝類 3種の分類上の位置に就いて [Notes on the systematic  
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- : 日本産タマキビ類浮游性卵嚢 [The floating egg capsules of the  
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- : アコヤガイ組織の呼吸代謝について [On the respiratory metabolism of  
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- KAWAGUTI, Siro [川口四郎] : フトヤギの色素 [Pigments of a gorgonacean *Euplex-*  
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- MAÉDA, Hiroshi: Statistical analyses of the influences of various lights upon the distribution of fishes in aquarium. II. Distribution of aquarium fishes adapted to the weak light. *Bull. Jap. Soc. Sci. Fish.*, 22 (1), pp. 1-4.
- : Ditto. III. Effects of conditions of adaptation and presence or absence of the weak light. *Ibid.*, 22 (1), pp. 5-8.
- MORI, Syuiti [森 主一]: メジナ幼魚の社会構造—順位となわばり— [Social organization on a girellloid fish, *Girella punctata* Gray, confined in a tide-pool, with special reference to the relation between social hierarchy and territorial system]. 日生態会誌 [*Jap. J. Ecol.*], 5 (4), pp. 145-150. ....(Jap. 105)
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- OHGUSHI, Ryoh-ichi [大串龍一]: タマキビ 2 種のすみわけ現象について [On the so-called "habitat-segregation" phenomena seen between two species of Japanese periwinkles]. 日生態会誌 [*Jap. J. Ecol.*], 6 (1), pp. 9-12. (With English rés.) ....(Jap. 107)
- : 帰家しない笠貝の行動観察 (I) [Observations on the behavior of non-homing limpets]. 貝類雑 [*Venus: Jap. J. Malac.*], 19 (1), pp. 60-64. ....(Jap. 108)
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- : The experimental acclimatization in the temperature response relation and heat tolerance of the periwinkle, *Nodilittorina granularis* (Gray). *Journ. Inst. Polytech. Osaka City Univ.*, Ser. D (Biol.), 7, pp. 197-217. .... 289
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- OKUNO Ryonosuke: メジナ幼魚の群れ生活 [Schooling habit of young *Girella punctata*, a common reef fish along the Japanese coast]. 日生態会誌 [Jap. J. Ecol.], 6 (3), pp. 99–102. (With English rés.) .....(Jap. 119)
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- SHIINO, Sueo M.: Copepods parasitic on Japanese fishes. 12. Family Lernaeopodidae. *Rep. Fac. Fish. Pref. Univ. Mie*, 2 (2), pp. 269–311.
- TAKADA, Nobuhiro [高田亘啓] & MORI, Syuiti [森 主一]: ウミサボテン *Cavernularia obesa* Valenciennes の日周期活動 XIII. 体液中のアンモニア量の週期変化 (Daily rhythmic activity of the sea-pen, *Cavernularia obesa* Valenciennes. XIII. Rhythmic change of ammonium content in body fluid). 動物雑誌 [Zool. Mag.], 65 (10), pp. 359–361. (With English rés.) .....(Jap. 113)
- TOKIOKA, Takasi: On chaetognaths and appendicularians collected in the central part of the Indian Ocean. *Publ. Seto Mar. Biol. Lab.*, 5 (2), pp. 197–202. ... 276
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- YAMAZI, Isamu [山路 勇]: 水族館のはなし [A story of aquarium]. 保育社の小学生全集 (*Hoikusya's Library of Primary school boys*), No. 86, 210 pp., 3 pls. Hoikusya, Osaka.

YAMAZI, Isamu: 内湾のプランクトン群集とその分布 [Plankton communities in bays and their distribution]. 日本プランクトン研究者連絡会報 [*Inform. Bull. Planktol. Jap.*], No. 3, pp. 1-14.

———: 内湾プランクトンの質量変化に及ぼす外因の影響 [Environmental influences on the quantitative and qualitative changes of plankton communities in bays]. 動物雑誌 [*Zool. Mag.*], 65 (3/4), p. 119.

———: Plankton investigation in inlet waters along the coast of Japan. XIX. Regional characteristics and classification of inlet waters based on the plankton communities. *Publ. Seto Mar. Biol. Lab.*, 5 (2), pp. 157-196, pls. 16-23. ..... 275