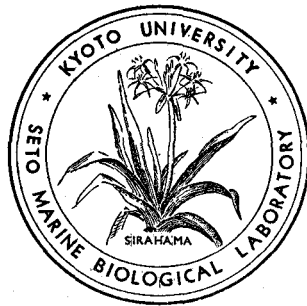


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Contribution
No. (Jap. No.)

- AKATSUKA, Kozo [赤塚孝三]: プランクトンの検索と図説 (1) 藍藻類
〔Synopsis keys and illustrations of plankton organisms (1) Cyano-
phyceae〕. 水産学術資料 [Miscellaneous Reports of Fisheries],
No. 1, pp. 1-18, pls. 1-11. Fac. Fish. Pref. Univ. of Mie. (1951)
—————; 同上 (2) 鞭藻類 [Ditto (2) Phytoflagellata]. *Ibid.*,
No. 2, pp. 19-48, pls. 12-34.
- BABA, Kikutaro & HAMATANI, Iwao [馬場菊太郎・濱谷巖]: 紀州産後鰓類
目録 [List of the species of the Opisthobranchia from Kii, middle
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—————: Atyidae in Japan (日本産タマゴガヒ科). *Ibid.*, No. 20,
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—————: Parasitic gastropods found in echinoids from Japan.
Publ. Seto. Mar. Biol. Lab., 2 (2), pp. 73-86, pl. 6. 178
—————: 日本産貝類概説. 斧足綱 (二枚貝類) 第3冊 [Genera of
Japanese shells. Pelecypoda No. 3], pp. 187-278. Kyoto.
—————: 内湾に於ける貝類遺骸の堆積 [Molluscan thanatocoenoses
in inner bays]. 地球科学 [Earth Science], No. 7, pp. 91-97.

- HABE, Tadashige: 東京湾の貝類死殻の堆積 [Deposits of Molluscan shells in the Tokyo Bay, Japan]. 日本水産学会誌 [Bull. Jap. Soc. Sci. Fish.], 17 (5), pp. 139-142. (With English ré(s.))
- : 七尾湾の底棲動物と貝類遺骸 [Benthic communities and Molluscan thanatocoenoses of the Nanao Bay]. 日本海区水産研究所創立三周年記念論文集 [Spec. Publ. Japan Sea Reg. Fish. Res. Lab. 3rd Ann. Found.], pp. 59-64. Nanao.
- : 日本産有殻後鰓類の新属新種に就いて [Descriptions of new genera and species of the shell-bearing Opisthobranchiate molluscs from Japan (Cephalaspidea, Tectibranchia)]. 貝類雑 [Venus: Jap. J. Malac.], 17 (2), pp. 69-77. (With English ré(s.))..... (Jap. 75)
- HAYASHI, Ryoji: Sea-stars of Seto and adjacent waters. *Publ. Seto Mar. Biol. Lab.*, 2 (2), pp. 143-159, pl. 8. 181
- IBA, Mituyosi [射場光好]: 潮間帯に棲む貝の生態観察 [Ecological observations on the gastropod shells in the intertidal zone]. 採と飼 [Collecting & Breeding], 14 (8), p. 239, 242.
- ISHIBASHI, Masayoshi: Studies on minute elements in sea-water. *Rec. Ocean. Wks. Japan*, New Series, 1 (1), pp. 88-92.
- KAWAGUTI, Siro [川口四郎]: 造礁珊瑚の一種 *Oulastrea crispata* の骨格の色素 [Pigments of skeleton of a reef coral *Oulastrea crispata*]. 動物雑 [Zool. Mag.], 61 (3/4), p. 107.
- KUBO, Itsuo: On two rare species of Psalidopodidae and Nephropsidae. *Jour. Tokyo Univ. Fish.*, 39 (1), pp. 91-100, pls. 5 & 6.
- KURODA, Tokubei [黒田徳米]: On an interesting new genus of gastropod Mollusca from the sea of Kii Peninsula. *Publ. Seto Mar. Biol. Lab.*, 2 (2), pp. 68-71. 177
- : オフクハマグリ (新称) とヲトヒメハマグリ (新種新称) に就いて [On *Callocardia guttata* A. Adams and *Vesicomya katsuae*, n. sp.] 貝類雑 [Venus: Jap. J. Malac.], 17 (1), pp. 1-5.
- : 日本産ヲトヒメゴコロガヒ科 Verticordiidae に就いて [On Verticordiidae from Japan]. *Ibid.*, 17 (1), pp. 6-16, pl. 1.
- : クダマキガイ科の1新属ギボシクダマキ類 [A new remarkable turrid genus *Pionotoma* from the Japanese deep sea]. *Ibid.*, 17 (2), pp. 65-69. (With English descr.) (Jap. 74)
- & HABE, Tadashige: Check list and bibliography of the recent marine Mollusca of Japan. 210 pp. Tokyo.

Contribution
No. (Jap. No.)

- KURODA, Tokubei & HABE, Tadashige: Ficidae in Japan (日本産ビワガヒ科). *Illust. Cat. Jap. Shells*, No. 19, pp. 133-136, pl. 19. 190
- & HORIKOSI, Masuoki [堀越増興]: リウグウハゴロモガヒ亞科 Periplomatinae の 2 新種に就いて [On two new species, *Periploma ovata* and *Offadesma nakamigawai* (Periplomatinae)]. 貝類雑 [Venus: Jap. J. Malac.], 17 (1), pp. 16-22.
- MAEDA, Hiroshi [前田弘]: 与謝内海の研究, 第 1 報. 冬期の溶存酸素過飽和及び pH の垂直的分布 [Studies on Yosa-Naikai, 1. On the oversaturation of dissolved oxygen and vertical changes of pH in winter]. 海と空 [Sea & Sky], 29 (5/6), pp. 89-95. (With English rés.) (Jap. 69)
- : 集魚燈動物の群集生態学的研究, 2. 魚群の構造とその変化 [Synecological studies on marine lamp-communities, 2. Social structure and its successional changes]. 魚類雑 [Jap. J. Ichthyol.], 2 (2), pp. 51-59. (With English rés.) (Jap. 70)
- : 集魚燈動物の群集生態学的解析 [Synecological analysis of marine lamp-communities]. 動物雑 [Zool. Mag.], 61 (3/4), pp. 68-69.
- MATSUI, Yoshiyuki & HIROTA, Takeo: Studies on the formation of pearls, I. On the relationships of proteins and CaCO₃ crystals in the layer of baroque pearls. *Publ. Seto Mar. Biol. Lab.*, 2 (2), pp. 331-339, pl. 13.
- MAWATARI, Shizuo [馬渡静夫]: Bryozoa of Kii Peninsula. *Ibid.*, 2 (2), pp. 261-288, pl. 12. 186
- : コケムシ類の採集・保存・研究法 (2) [Collecting, preserving and observing methods of bryozoans (2)]. 南紀生物 [Nanki Seibutsu], 4 (1/2), pp. 20-26.
- ; On *Watersipora cucullata* (Busk) II. *Misc. Rep. Res. Inst. Nat. Res.*, No. 28, pp. 17-27.
- MIYADI, Denzaburo, HABE, Tadashige & YAMAZI, Isamu [宮地伝三郎・波部忠重・山路勇]: 美保湾・中海の海況と生物群聚 [Oceanographical conditions and communities of Miho Bay and Nakano-umi]. 京都大学生理生態学研究業績 [Rep. on Physiol. & Ecol., Kyoto Univ.], No. 76, pp. 1-29. (Jap. 73)
- & UTINOMI, Huzio: The Seto Marine Biological Laboratory of Kyoto University. *Publ. Seto Mar. Biol. Lab.*, 2 (2), pp. 41-52, pls. 2-5. 175

Contribution
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- MORI, Syuiti & MATUTANI, Kouidi: Studies on the daily rhythmic activity of the starfish, *Astropecten polyacanthus* Müller et Troschel, and the accompanied physiological rhythms. *Ibid.*, 2 (2), pp. 213-225. 183
- OJIMA, Yoshio [小島吉雄]: アコヤ貝外套膜の組織学的研究, 特に真珠袋について [Histological studies on the mantle of pearl-oyster (*Pinctada martensi* Dunker), with special reference to the pearl-sac]. 動物雑 [Zool. Mag.], 61 (3/4), pp. 118-119.
- : Histological studies on the mantle of pearl oyster (*Pinctada martensi* Dunker). *Cytologia*, 17 (2), pp. 134-143.
- SAKAI, Tune [酒井恒]: 形態学上・分布学上興味ある日本産蟹類について [On some morphologically and geographically interesting species of crabs from Japan]. 動物雑 [Zool. Mag.], 61 (3/4), p. 61.
- SHIINO, Suetō M.: A new genus and two new species of the order Tanaidacea found at Seto. *Publ. Seto Mar. Biol. Lab.*, 2 (2), pp. 53-68. 176
- : Copepods parasitic on Japanese fishes, 1. On the species of *Caligus* and *Lepeophtheirus*. *Rep. Fac. Fish., Pref. Univ. Mie*, 1 (2), pp. 79-113.
- : On the genus *Danalia* Giard found in Japan. *Annot. Zool. Japon.*, 25 (1/2), pp. 329-336.
- TANAKA, Shozō & HATANŌ, Hiroyuki: Studies on the seasonal changes in the chemical constituents of the pearl oyster. *Publ. Seto Mar. Biol. Lab.*, 2 (2), pp. 341-355.
- TOKIOKA, Takasi [時岡隆]: 愛知縣六条潟・寺津平坂地先及び愛媛縣西条に於けるプランクトン調査報告 [Report of planktological surveys at made at Rokuzyō-gata, Teratu-hirasakatisaki (Aiti Prefecture) and Saizyō (Ehime Prefecture)]. 浅海増殖調査報告 [Senkai Zosyoku Tyosa Hokoku], 1, App. 4, pp. 1-23. (Mimeographed). (Jap. 65)
- : 佐賀縣有明海におけるプランクトン調査報告 [Report of planktological surveys made in Ariake-kai, Saga Prefecture]. *Ibid.*, 1, App. 6, pp. 1-29. (Mimeographed). (Jap. 67)
- : ヒダミノウミウシ *Fiona pinnata* (Eschscholtz) の記録 [Record of *Fiona pinnata* (Eschscholtz)]. 南紀生物別輯 [Nanki-Seibutsu Supplement], No. 1, pp. 13-14, pl. 1. (Jap. 68)
- : 複合ボヤの一新型について [On a new type of compound ascidians]. 動物雑 [Zool. Mag.], 61 (3/4), p. 61.
- : Chaetognaths of the Indo-Pacific. *Annot. Zool. Japon.*, 25

- | | Contribution
No. (Jap. No.) |
|--|--------------------------------|
| No. 1, App. 5, pp. 1-16, (Mimeographed). | (Jap. 66) |
| YONEDA, Yuichi [米田勇一]: Observations on the algae growing on
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| YUYAMA, Shigetoshi [湯山茂利]: ガラス張り水槽内のソラスズメダイ(特
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