

# PACIFIC SCIENCE

A QUARTERLY DEVOTED TO THE BIOLOGICAL  
AND PHYSICAL SCIENCES OF THE PACIFIC REGION

VOL. XXI

OCTOBER 1967

NO. 4

*Previous issue published July 10, 1967*

## CONTENTS

	PAGE
<i>On the Surface Swarming of Euphausiid Crustaceans. Yuzo Komaki</i> .....	433
<i>The Ecology of Pelagic Amphipoda, II. Observations on the Reproductive Cycles of Several Pelagic Amphipods from the Waters off Southern California. Gary J. Brusca</i> .....	449
<i>The Zoéal Stages and Glaucothoe of the Tropical Eastern Pacific Hermit Crab Trizopagurus magnificus (Bouvier, 1898) (Decapoda; Diogenidae), Reared in the Laboratory. Anthony J. Provenzano, Jr.</i> .....	457
<i>Bathymetric Distribution of Chaetognatha, Siphonophorae, Medusae, and Ctenophorae off San Diego, California. Angeles Alvarino</i> .....	474
<i>Ecological Significance of a Drifting Object to Pelagic Fishes. Reginald M. Gooding and John J. Magnuson</i> .....	486
<i>A Possible Relation between the Occurrence of a Dendritic Organ and the Distribution of the Plotosidae (Cypriniformes). W. J. R. Lanzing</i> .....	498
<i>The Family Olividae. John Q. Burch and Rose L. Burch</i> .....	503
<i>Revision of the Genus Pandanus Stickman, Part 23. Three Australian Species of Pandanus. Harold St. John</i> .....	523
<i>Revision of the Genus Pandanus Stickman, Part 24. Seychellea, a New Section from the Seychelles Islands. Harold St. John</i> .....	531

---

PACIFIC SCIENCE is published quarterly by the University of Hawaii Press, in January, April, July, and October. Subscription prices: institutional, \$10.00 a year, single copy, \$3.00; individual, \$5.00 a year, single copy, \$1.25. Check or money order payable to University of Hawaii should be sent to University of Hawaii Press, 535 Ward Avenue, Honolulu, Hawaii 96814, U. S. A. Printed by Heffernan Press Inc., 35 New Street, Worcester, Massachusetts 01605.

CONTENTS (*continued*)

	PAGE
<i>Revision of the genus Pandanus Stickman, Part 25. Pandanus tectorius var. sinensis Warburg. Harold St. John</i> .....	533
<i>Reversal of Ethionine Inhibition by Methionine during Slime Mold Development. Hans R. Hobl and Susan T. Hamamoto</i> .....	534
<i>Comparative Decay Resistance of Twenty-five Fijian Timber Species in Accelerated Laboratory Tests. Lynette D. Osborne</i> .....	539
 NOTES	
<i>Notes on the Hawaiian Flora. Benjamin C. Stone</i> .....	550
<i>Notes on the Ecology of the Pogonophoran Genus Galathealinum Kirkegaard, 1956. Oluwafeyisola S. Adegoke</i> .....	558
<i>Notes on the Systematic Status of the Eels Neenchelys and Myroconger, Gareth J. Nelson</i> .....	562
<i>Record of a Lancelet from Hawaii. L. G. Eldredge</i> .....	564
<i>News Note</i> .....	565
INDEX .....	567