

**MARINE
INVESTIGATIONS IN
SOUTH AFRICA, VOL. V**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649270927

Marine investigations in South Africa, Vol. V by Various

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INVESTIGATIONS IN
SOUTH AFRICA, VOL. V**

*From the 'TRANSACTIONS OF THE SOUTH AFRICAN PHILOSOPHICAL
SOCIETY,' Vol. XVII.*

MARINE INVESTIGATIONS

IN

SOUTH AFRICA.

VOLUME V.

WITH TWENTY PLATES.

CAPE TOWN:
PUBLISHED BY THE SOCIETY.

1908.



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EDITORIAL NOTE.

Volume VI of the Marine Investigations will be published in the Annals of the South African Museum.

THE OPISTHOBRANCHIATA

OF

SOUTH AFRICA.

BY

R. BERGH, COPENHAGEN.

(WITH FOURTEEN PLATES.)

The number of Opisthobranchiata hitherto known from the coast of South Africa is very small. Krause described a *Pleurobranchus granulatus*, Vayssière a *Pleurobranchæa capensis*, Rang a *Melibe rosea*, Stimpson a *Tritonia pallida* and a *Triopa lucida*.

The investigations of late years of the Cape Government, carried out under the direction of Dr. Gilchrist, have considerably augmented the number, and have furnished the material for the following report.

The East and South Coasts of South Africa are washed by a prolongation of the great equatorial current from the Indian Ocean; the West, on the contrary, by the cold Antarctic current. Sometimes, however, it happens that the warm Agulhas current passes up this side, while at other times the cold Antarctic current passes further to the East.* In general there is a marked difference

* Gilchrist, "Observations on the Temperature and Salinity of the Sea around the Cape Peninsula." Mar. Inv. I., 1902, pp. 181-216.

Gilchrist, "Currents on the South African Coast, as Indicated by the Course of Drift Bottles," part II. 1904, pp. 155-166.