

A bibliography of sandy beaches and sandy beach organisms on the African continent

R Bally

Prepared under the auspices of the South African
National Committee for Oceanographic Research (SANCOR)

SOUTH AFRICAN NATIONAL SCIENTIFIC PROGRAMMES REPORT NO

126

MARCH 1986

Issued by
Foundation for Research Development
Council for Scientific and Industrial Research
P O Box 395
PRETORIA 0001
from whom copies of reports in this series are available on
request

Printed in 1986 in the Republic of South Africa
by the Graphic Arts Division of the CSIR

ISBN 0 7988 3807 8

This publication has been compiled by:

R Bally
Zoology Department
University of Cape Town
Private Bag
RONDEBOSCH
7700
South Africa

SUMMARY

This bibliography covers the literature relating to sandy beaches on the African continent and outlying islands. The bibliography lists biological, chemical, geographical and geological references and covers shallow marine sediments, surf zones off sandy beaches, the intertidal zones of beaches and coastal sand dunes. References are listed from the 19th century up to early 1985. The bibliography contains an introduction, the list of references, as well as regional, second author and keyword indices.

OPSOMMING

Hierdie bibliografie dek literatuur wat verband hou met sandstrande van die vasteland van Afrika en omliggende eilande. Die bibliografie lys biologiese, chemiese, geografiese en geologiese verwysings en dek vlak marienesedimente, brandersones teenoor sandstrande, tussengetysones van strande en kussandduine. Verwysings vanaf die 19de eeu tot vroeg 1985 word gelys. Die bibliografie bevat 'n inleiding; die lys van verwysings; asook streeks-, tweede outeur- en sleutelwoordindekse.

TABLE OF CONTENTS

	Page
SUMMARY/OPSOMMING	(iii)
INTRODUCTION	1
THE BEACH LITERATURE OF AFRICA	2
COMPILER'S NOTE	6
ABBREVIATIONS	7
BIBLIOGRAPHY	8
REGIONAL INDEX	107
SECOND AUTHOR INDEX	112
KEYWORD INDEX	124
RECENT TITLES IN THIS SERIES	175

INTRODUCTION

Following the highly successful symposium entitled "Sandy beaches as Ecosystems" held at Port Elizabeth in January 1983, I felt it would be appropriate to produce a bibliography of the literature on sandy beaches and their structure, fauna and flora pertaining to the African continent and associated islands. The purpose of such a bibliography would be to stimulate further interest in beach research in Africa and to act both as a research tool for workers in Africa and a summary of the available information for researchers elsewhere.

At the symposium there was considerable debate as to what constitutes a sandy beach. The range of participants present ensured a wide interpretation of the term, although in the end no strict definition was decided upon. The general consensus seemed to be that continued research would result in new definitions in any case. In order to compile a bibliography on sandy beaches, however, it was necessary to decide on some sort of definition before the aspects to be covered could be determined.

As a working definition of a sandy beach ecosystem, I am calling a beach that portion of sediment lying between the outermost part of the subtidal sand wedge (Short & Wright, 1983) up to, and including, the vegetated coastal dunes, provided that these are associated with a sandy intertidal zone.

For the purposes of this bibliography, I have decided to include the following categories of publication:

- Ecology of sandy beaches
- Surf zones associated with beaches
- Sand dunes associated with beaches
- Beach and coastal dune vegetation
- Subtidal sediments associated with beaches
- Beach fauna
- Effects of pollution and exploitation
- Physiology and behaviour of beach biota
- Inter- and intraspecific relationships
- Sedimentology of beaches, subtidal sand wedges and dunes
- Sediment dynamics
- Coastal geomorphology
- Population dynamics of beach organisms
- Energetics
- Biogeography
- Taxonomy
- Anatomy

Specifically excluded are papers on palaeontology as well as fossil and raised beaches.

It is always difficult to decide on what to include in a bibliography. My own feeling is that material included should contain concrete information. For this reason, abstracts of papers presented at conferences have been omitted, although published full papers from conferences have been included. Unpublished projects and reports, as well as theses, have also been included and are given with the name of the relevant university or organisation.

There are many articles dealing with species found along the African seaboard that have not been listed here. This is because the studies have been carried out elsewhere in the distribution ranges of those species, and although such studies are still relevant to researchers working in Africa, they have been arbitrarily omitted so as to keep the bibliography to a manageable size. This rule has been rigidly applied, and for this reason even studies carried out in the Red Sea in Israel and Saudi Arabia are not mentioned. In addition, only those taxonomic studies dealing with organisms actually collected from the area covered by the bibliography are listed. The bibliography can be regarded as being comprehensive up to 1983, although subsequent literature encountered by the author has also been included.

THE BEACH LITERATURE OF AFRICA

The literature on sandy beaches in Africa is very unevenly distributed, both in space and time. The distribution is both a reflection of geographical and historical circumstance, while at the same time showing the usual trend (in the biological literature) from taxonomic to physiological and ecological studies. The roles of geography and history in influencing the distribution of the literature are inextricably combined since they reflect, to a large extent, the history of colonization of the continent and its surrounding islands.

Thus the greatest amount of work has been carried out in the relatively temperate countries at the northern and southern extremes of the continent, followed by its westernmost extremity. In North Africa, most of the publications from before 1960 were carried out by the French who had a long tradition of research in the area extending back to the mid-nineteenth century, although even this was based on interest generated at the time of Napoleon's expedition to Egypt in 1797 to 1801. At the opposite end of the continent, in South Africa, an extensive sandy beach literature emerged, largely British or indigenous but also with an important component from expeditions calling at the Cape, since this was a major victualling station on the passage to Australia, India and the Antarctic.

Along the rest of the African seaboard, there have only been scattered studies carried out here and there, with the possible exceptions of Madagascar, which was the focus of some intensive studies by the French during the '50s and '60s, and Somalia, where an important series of studies have been carried out by a number of Italian universities. Although most of these studies have been baseline surveys, they have achieved a level of knowledge in 20 years that took almost a century to achieve in many other countries.

More detailed studies have only been carried out in four countries with any degree of consistency, these being Algeria, Tunisia, Senegal and South Africa. In these countries, it seems that truly indigenous and self-sustaining "schools" of sandy beach study have developed, always as the result of consistent research effort by one or two workers. These "schools" produce work which is of a standard equivalent to that of European or American research, and their contributions to our understanding of sandy beaches and their ecology have been substantial.

In Algeria and Tunisia, the number of workers appears to be just sufficient to maintain momentum, but in South Africa this critical number has been well exceeded, resulting in a real explosion of interest, research and ideas over the past ten years. From the original research centres at Cape Town and Port Elizabeth, new centres are developing at Stellenbosch, Umtata and Durban, each with their own foci of emphasis. The studies originating from Senegal seem to fit neither pattern, and are mainly geographical and geological, rather than biological as in Algeria, Tunisia and South Africa.

It is interesting to analyse the patterns and trends in the sandy beach literature of Africa. The most obvious pattern is the geographical distribution mentioned earlier. South Africa is easily the most thoroughly covered area, with 40% of the publications listed here. This is followed by Tunisia, Madagascar, Algeria, Senegal and Somalia. Together, these six countries are the subjects of over 60% of the papers on sandy beaches in Africa. Figure 1 summarises the distribution.

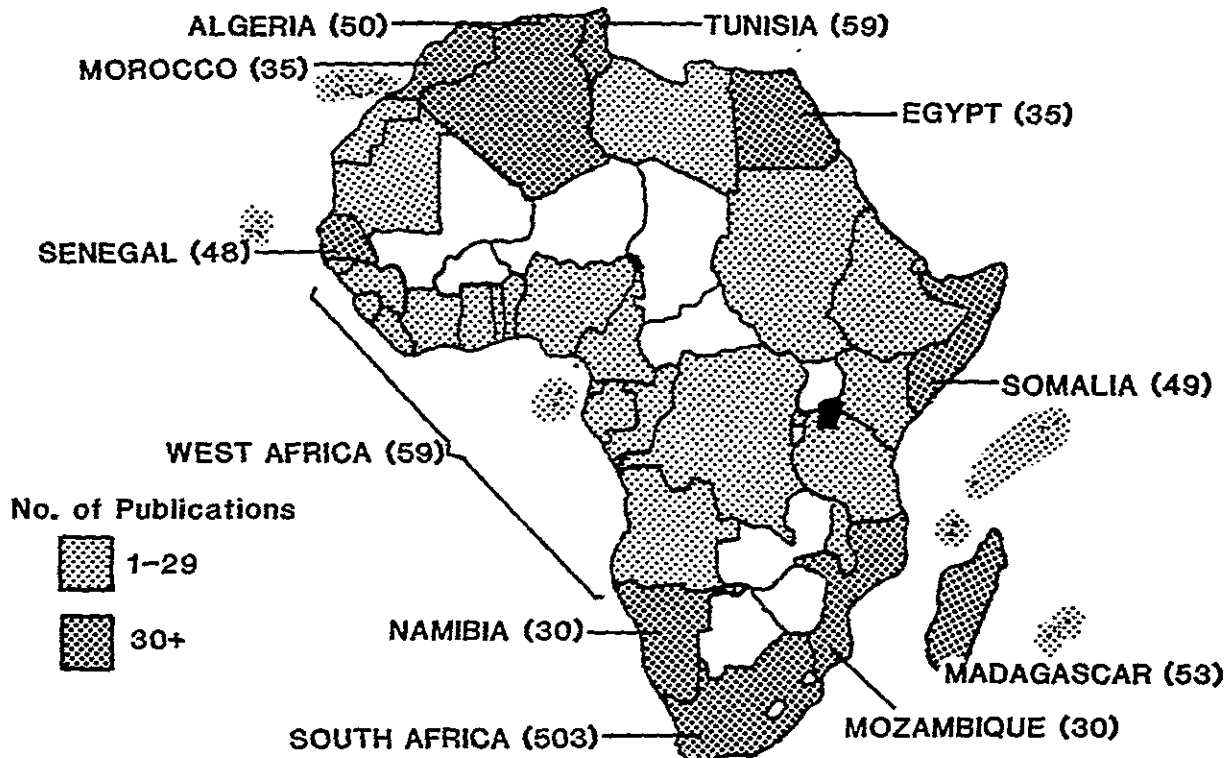


Figure 1. Distribution of African sandy beach literature.

If the subjects covered by the African beach literature are divided roughly into life and earth sciences, then life sciences make up about 89% of the total and earth sciences only about 11%. A more detailed breakdown of subjects of the life science publications shows that the categories in order of decreasing percentage of the total are Taxonomy (40%), Ecology (33%), Physiology (7%), Pollution (5%) and Botany (4%).

The historical development of sandy beach literature is also of interest. Figure 2 shows that there has been an exponential increase of articles published, particularly since the end of the Second World War. This increase is still continuing, since in the first four years of the present decade, more than half the number of publications that appeared in the previous decade have already been published.

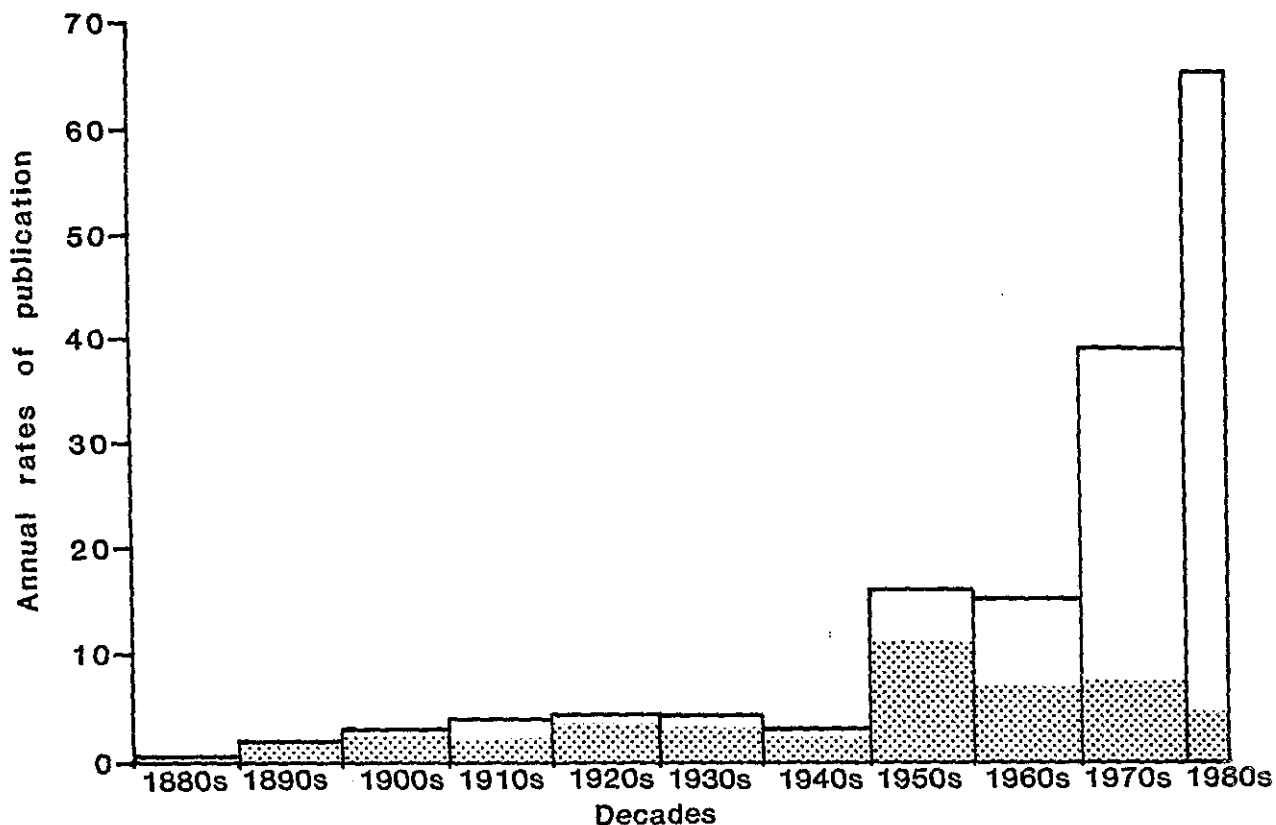


Figure 2. Annual rate of appearance of African beach literature between 1880 and 1983. Shading indicates taxonomic literature.

During the past 104 years (1880-1983) there has also been an interesting change in the subject matter of the studies. In the 19th century, all of the publications were of a taxonomic nature, but this percentage has declined steadily in the 20th century, to the extent that for the most recent period (1980-1983), only 8% of sandy beach papers dealt with taxonomy.

Associated with the decline in relative importance of taxonomy, there has been a steady increase in ecological, physiological and geological studies, while most recently, papers on pollution, and botany have begun to appear.

Despite the development of new branches of science in the study of sandy beaches, the actual number of taxonomic papers has shown a fairly steady increase in the first half of the last 104 years, with a peak in the 1950s. There has been a slight decline since then, although the number of taxonomic studies published in the period 1980-1983 is still higher than it was before the 1950s (see Figure 2).

The languages used in the publications are, in order of decreasing frequency, English, French, German, Italian, Portuguese, Spanish, Russian, Afrikaans and Swedish (see Table 2).

Table 1-1. Languages of sandy beach publications.

Language	Number of publications	Percentage of total
English	734	58.8
French	355	28.5
German	82	6.6
Italian	38	3.0
Portuguese	20	1.6
Spanish	7	0.5
Russian	6	0.5
Afrikaans	2	0.4
Swedish	1	0.1
Total	1247	100.0

This table emphasizes the importance of the non-English scientific literature (over 40%) concerning our overall knowledge of sandy beaches in Africa.

CONCLUSION

In summary, it is hoped that this brief analysis of the African sandy beach literature has served to highlight some of the strengths and weaknesses of the existing information. It is also hoped that this bibliography will serve to guide workers towards the weaknesses, while making full use of the strengths.

Reference

SHORT, A.D. & WRIGHT, L.D. 1983. Physical variability of sandy beaches. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 133-144. W. Junk, The Hague.

COMPILER'S NOTE

While every effort has been made to make this bibliography a comprehensive one, free of mistakes, there are bound to be omissions and errors. Readers are therefore urged to notify the author of any such faults at the address given below. It is hoped to update this bibliography at regular intervals - this is clearly necessary given the rapid growth of sandy beach studies - and readers are strongly encouraged to send copies of their appropriate publications to the author for inclusion in future editions.

Dr R. Bally
Zoology Department
University of Cape Town
Private Bag
Rondebosch
7700
South Africa

ABBREVIATIONS

The abbreviations for most journals are as in the World List of Periodicals, although a few have been shortened. These are listed below.

Bull. I.F.A.N. - Bulletin de l'Institut Fondamental d'Afrique Noire (Universite de Dakar). Before 1960, called Bulletin de l'Institut Francais d'Afrique Noire. [Senegal]

Cah. O.R.S.T.O.M. - Cahiers de l'Office des Recherches Scientifiques et Techniques d'Outre Mer. [France]

ESCOM - Energy Supply Commission. [South Africa].

JGS/UCT - Joint Geological Survey/University of Cape Town. [South Africa]

NRIO - National Research Institute of Oceanology. [South Africa]

BIBLIOGRAPHY

A

- 1 AASE, L.E. 1978. Preliminary report on studies of shore displacement at the southern coast of Kenya. Geogr. Ann. Ser. A, 60: 209-221.
- 2 AASE, L.E. 1981. Studies of shores and shore displacement on the southern coast of Kenya; especially in Kilifi District. Geografiska Ann., ser. A, 63: 303-310.
- 3 ADAM, J.-G. 1970. La végétation littorale aux environs de Buchanan (Liberia). Bull. I.F.A.N. ser. A, 32: 996-1018.
- 4 AIBULATOV, N.A. & SEROVA, V.V. 1983. Eolian processes on the North African shore and their role in the shelf sedimentation. Lithol. Mineral Resources, 18: 541-553.
- 5 AIME, S. & PENVEN, M.J. 1982. Le complexe dunaire du Cap Falcon (Oran); Etude morphodynamique appliquée et perspectives d'aménagement. Méditerranée, 45(2): 3-13. [Algeria]
- 6 ALEEM, A.A. 1969. Marine resources of the United Arab Republic. Stud. Rev. gen. Fish. Coun. Mediterr., 43: 1-22.
- 7 ALEEM, A.A. & CHAYTOR, D.E.B. 1980. Further observations on the marine Mollusca of Sierra Leone. Bull. I.F.A.N. ser. A, 42: 571-585.
- 8 ALEXANDER, C.S. 1966. A method of descriptive shore classification and mapping as applied to the northeast coast of Tanganyika. Ann. Ass. Amer. Geogr., 56: 128-140.
- 9 ALEXANDER, H.G.L. 1976. An ecological study of the terrestrial decapod crustaceans of Aldabra. PhD thesis, University of London.
- 10 ALKHOLY, A.A. & EL-HAWARY, M.M. 1970. The biology of Lupa pelagica (Linnaeus). Bull. Inst. Oceanogr. Cairo, 1: 395-423.
- 11 ALLAM, C.J. 1984. The effect of salt spray and sand abrasion on the vegetation of a coastal sand dune system. Unpublished project, Department of Plant Sciences, Rhodes University, Grahamstown.
- 12 ALLGEN, C. 1942. Die freilebende Nematoden des Mittelmeeres. Ein Zusammenstellung samtliche aus dem Mittelmeer bekannten Nematoden. Zool. Jahrb. Jena (Syst.), 76: 1-102.
- 13 ALLGEN, C.A. 1958. Vergleich zwischen den marine Nematoden Norwegens und denen der subtropischen (-und temperierten) Faunengebiete in der sudlichen Hemisphare. K. norske vidensk. Selk. Forh., 30: 93-98.
- 14 ALONCLE, H. 1970. Remarques sur quelques raies du littoral atlantique marocain au large de Casablanca. Rapp. P.-v. Reun. Cons. perm. int. Explor. mer, 159: 227-230.

- 15 ALTIMIRA, C. 1978. Moluscos marinos de la costa del NW de Africa (Expedicion 'Atlor VII'). Result. Exped. cient. Buque oceanogr. Cornida Saavedra, 7: 173-193.
- 16 AMOUREUX, L. 1972. Annelides polychètes du Maroc. Bull. Soc. Sci. nat. phys. Maroc, 52: 45-72.
- 17 AMOUREUX, L. 1973. Quelques annelides polychètes de l'Afrique occidentale et équatoriale. Cah. O.R.S.T.O.M. (Sér. océanogr.), 11: 41-65.
- 18 AMOUREUX, L. 1974. Annelides polychètes de Madagascar recueillies par G. Cherbonnier en 1960. Bull. Mus. natn. Hist. nat., Paris, (Zool.), 145: 425-462.
- 19 ANDERSSON, A. 1963. On a collection of Amphipoda of the family Talitridae from the Canary Islands. Ark. Zool., 15: 211-215.
- 20 ANDO, T., MOUEZA, M. & CECCALDI, H.J. 1976. Variation des lipides et des stérols chez Donax trunculus L. (Mollusque, Lamellibranche) durant les mois d'automne et d'hiver. C.r. Séanc. Soc. biol., 170: 149-153.
- 21 ANDRASSY, I. 1959. Ergebnisse der zoologischen Aussammlungen des Ungarischen Naturwissenschaftlichen Museums in Agypten im Jahr 1957. Ann. Hist.-Nat. Mus. nat. Hung., 51: 247-267.
- 22 ANGELIER, E. 1953a. Recherches écologiques et biogéographiques sur la faune des sables submergés. Arch. Zool. exp. gen., 90: 37-161.
- 23 ANGELIER, E. 1953b. Halacariens des sables littoraux Méditerranéens. Vie Milieu, 4: 281-289.
- 24 ANONYMOUS. 1969. Projet de fixation des dunes du Cap Vert. Plan de développement 1969-1973. Ministère du Développement Rural, République du Sénégal, Dakar.
- 25 ANSARI, Z.A., INGOLE, B.S. & PARULEKAR, A.H. 1984. Macrofauna and meiofauna of two sandy beaches at Mombasa, Kenya. Indian J. mar. Sci., 13: 187-189.
- 26 ANSELL, A.D. 1981. Functional morphology and feeding of Donax serra Roding and Donax sordidus Hanley (Bivalvia: Donacidae). J. moll. Stud., 47: 59-72.
- 27 ANSELL, A.D., FRENKIEL, L. & MOUEZA, M. 1980. Seasonal changes in the tissue weight and biochemical composition for the bivalve Donax trunculus on the Algerian coast. J. exp. mar. Biol. Ecol., 45: 105-116.
- 28 ANSELL, A.D. & McLACHLAN, A. 1980. Upper temperature tolerances of three molluscs from South African sandy beaches. J. exp. mar. Biol. Ecol., 48: 243-251.
- 29 ANTHONY, R. 1905. Liste des mollusques acéphales du Golfe de Tadjourah. Bull. Mus. Paris, 11: 489-500.

- 30 ANWAR, Y.M., EL ASKARY, M.A. & FRIHY, O.E. 1984. Reconstruction of sedimentary environments of Rosetta and Damietta promontories in Egypt, based on a textural analysis. *J. Afr. Earth Sci.*, 2: 17-29.
- 31 ANWAR, Y.M., GINDY, A.R., EL ASKARY, M.A. & EL FISHAWI, N.M. 1979. Beach accretion and erosion, Burullus - Gamasa coast, Egypt. *Mar. Geol.*, 30: M1-M7.
- 32 ARCANGELI, A. 1925. Notizie sopra alcuni Isopodi del mar Mediterraneo. *Atti. Soc. ital. Sci. nat. Milano*, 63: 312-319.
- 33 ARCANGELI, A. 1938. Tylos latreilli Aud. et Sav., suoi biotipi, sua area di diffusione. *Boll. Mus. Zool. Anat. comp. Torino*, 46: 157-168.
- 34 ARCANGELI, A. 1958. La fauna isopodologica terrestre degli arcipelaghi di Madera e delle Canarie: la sua importanza per la sistematica e la biogeografia. *Mem. Mus. zool. Univ. Coimbra*, 255: 1-108.
- 35 ARDOIN, P. 1963. Récoltes de M.A. Villiers dans les dunes côtières du Sénégal. Coleoptères Tenebrionidae. *Bull. I.F.A.N. ser. A*, 25: 372-388.
- 36 ARDOIN, P. 1974. Recherches sur le littoral de la Somalie. La plage et la dune de Sar Uanle. 1. Tenebrionidae (Coleoptera). *Monit. zool. ital. (N.S.) Suppl.*, 5: 133-145.
- 37 AREOLA, O. 1972. Aerial photo-interpretation of land types and terrain conditions in the Lagos coastal region. *Niger. geogr. J.*, 20: 70-84.
- 38 ASCARAY, C. 1985. The biology of the hairy-footed gerbil Gerbillurus paebe in a coastal dunefield. MSc thesis, University of Port Elizabeth.
- 39 AUGENER, H. 1918. Polychaeta. Beitrage zur Kenntnis der Meeresfauna Westafrikas. W. Michaelsen, Hamburg, 2: 67-625.
- 40 AURIVILLIUS, C.W.S. 1899. Krustaceen aus dem Kamerun-Gebiete. *Bih. Svensk. Akad.*, 24, Avh. 4: 1-31.
- 41 AVERY, G. 1979. Results of beach patrols conducted in 1978. *Cormorant*, 6: 4-12.
- 42 AVERY, G. 1980. Results of beach patrols conducted in southern Africa in 1979. *Cormorant*, 8: 4-12.
- 43 AVERY, G. 1981. Results of beach patrols conducted in southern Africa in 1980. *Cormorant*, 9: 113-122.
- 44 AVERY, G. 1982. Results of beach patrols conducted in southern Africa in 1981. *Cormorant*, 10: 87-96.
- 45 AVERY, G. 1984. Results of patrols for beached seabirds conducted in southern Africa in 1982. *Cormorant*, 12: 29-43.

- 46 AVIS, A.M. 1981. Factors affecting the growth and distribution of Scirpus nodosus Rottb. Unpublished project, Department of Plant Sciences, Rhodes University, Grahamstown.
- 47 AVIS, A.M. 1983. Factors controlling the distribution of plants in a mobile dunes system. Unpublished project, Department of Plant Sciences, Rhodes University, Grahamstown.
- 48 AVIS, A.M. 1985. Coastal management and dune stabilization. *Veld Flora*, 71: 34-37.
- 49 AVIS, A.M. & LUBKE, R.A. 1985. The effect of wind-borne sand and salt spray on the growth of Scirpus nodosus in a mobile dune system. *S. Afr. J. Bot.*, 51: 100-110.
- 50 AYBULATOV, N.A. & NIKIFOROV, G. 1982. Coastal morphology and dynamics in arid areas; the Gulf of Sidra as an example. *Voprosy Geograf.*, 119: 143-153. [In Russian] [Libya]
- 51 AZOUZ, A. 1968. Contribution à l'étude de l'étage circalittoral du Golfe de Tunis. P.-v. Reun. Comm. int. Explor. scient. Mer Méditerran., 19: 125-127.
- 52 AZOUZ, A. & CAPAPE, C. 1971. Les relations alimentaires entre les sélaciens et le zoobenthos des côtes nord de la Tunisie. *Bull. Inst. natn. scient. tech. Océanogr. Pêche Salammbô*, 2: 121-130.

B

- 53 BACCI, G. 1951. Elementi per una malacofauna dell'Abissinia e della Somalia. Ann. Mus. Stor. nat. Genova, 65: 1-144.
- 54 BACESCU, M. 1975. Contributions to the knowledge of the mysid (Crustacea) from the Tanzanian waters. Univ. Sci. J. (Dar-es-Salaam Univ.), 1: 39-61.
- 55 BACESCU, M. 1976. Contribution à la connaissance des Mysidaces de la côte Lybienne, avec la description de deux nouvelles espèces, Neoheteromysis mulleri n.sg. n.sp. et Heteromysis lybiana n.sp. Rev. Biol. Roum. 1- Biol. Anim., 21: 85-91.
- 56 BAISSAC, J. de B., LUBET, P.E. & MICHEL, C.M. 1962. Les biocenoses benthiques littorales de l'Ile Maurice. Rec. Trav. Sta. mar. Endoume, 25: 253-291.
- 57 BAISSAC, P. de B. 1973. Effects of crude oil on Bullia digitalis (Prosobranchiata). Unpublished project, Zoology Dept., University of Cape Town.
- 58 BAKALEM, A. 1981. Le peuplement de sables fins a Ophiura texturata, Donax semistriatus de la baie d'Alger: evolution dans le temps. Rapp. P.-v. Reun. Comn int. Explor. scient. Mer Méditerran., 27: 131-132.
- 59 BAKALEM, A. & ROMANO, J.-C. 1979. Etude de la dynamique des peuplements benthiques de la Baie d'Alger. Résultats préliminaires. Journ. Etud. Pollut. mar. Monaco, 4: 335-341.
- 60 BAKALEM, A. & ROMANO, J.-C. 1981. Cartographie des peuplements benthiques de la baie d'Alger. Rapp. P.-v. Reun. Comn int. Explor. scient. Mer. Méditerran., 27: 129-130.
- 61 BALLY, R. 1981. The ecology of three sandy beaches on the west coast of South Africa. PhD Thesis, University of Cape Town.
- 62 BALLY, R. 1983a. Factors affecting the distribution of organisms in the intertidal zones of sandy beaches. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 391-403. W. Junk, The Hague.
- 63 BALLY, R. 1983b. Intertidal zonation on sandy beaches of the west coast of South Africa. Cah. Biol. mar., 24: 85-103.
- 64 BALLY, R. 1983c. The respiration of the marine isopod Excirrolana natalensis (Flabellifera; Cirolanidae) from an exposed sandy beach. Comp. Biochem. Physiol., 75A: 625-629.
- 65 BALLY, R., GRINDLEY, J.R. & EAGLE, G.A. 1980. The environmental effects of effluent from a food canning factory on a sandy beach ecosystem in False Bay. School of Environmental Studies, University of Cape Town.

- 66 BALLY, R., McQUAID, C.D. & BROWN, A.C. 1984. Shores of mixed sand and rock: an unexplored marine ecosystem. S. Afr. J. Sci., 80: 500-503.
- 67 BALSS, H. 1913. Decapode Crustaceen. In: SCHULTZE, L. (ed.) Zoologische und Anthropologische Ergebnisse einer Forschungsreise in Südafrika. Denkschr. med. Ges. Jena, 17: 103-110.
- 68 BALSS, H. 1914. Decapode Crustaceen von der Guinea-Inseln, Süd Kamerun und dem Congogebiet. Ergeb. zweiter Deutsch. Zentral-Afrika Exped. 1910-1911 Zool., 1: 97-108.
- 69 BALSS, H. 1916. Die Decapoden des Roten Meeres. Berichte der Kommission für ozeanographische Forschungen im Roten Meer. Nordliche und Südliche Hälfte 1895-96-1897-98. Zoologische Ergebnisse 31. Denkschr. Akad. Wiss. Wien, 92: 1-20.
- 70 BALSS, H. 1922. Crustacea VII; Decapoda Brachyura (Oxyrhyncha und Brachyrhyncha) und geographische Übersicht über Crustacea Decapoda. Beiträge zur Kenntnis der Meeresfauna Westafrikas. W. Michaelsen, Hamburg, 3: 71-110.
- 71 BALSS, H. 1934. Sur quelques Decapodes brachyours de Madagascar. Faune Colon. franc. Paris, 5: 501-528.
- 72 BANKS, D.J. 1975. The effects of zinc on behaviour and respiration in Bullia digitalis (Prosobranchiata). Unpublished project, Zoology Dept., University of Cape Town.
- 73 BANNERMAN, D.A. 1953. The birds of west and equatorial Africa. Oliver & Boyd, Edinburgh.
- 74 BARASH, A. & DANIN, Z. 1978. On the occurrence of Donacidae (Bivalvia) in the Red Sea. Levantina, 13: 135-138.
- 75 BARBEY, C. & CHAMARD, P. 1970. Contribution à l'étude pétrographique des sables de la presqu'île du Cap Vert. Bull. I.F.A.N. ser. A, 32: 567-584.
- 76 BARBEY, C. & GUITAT, R. 1968. Formation de dunes vives aux environs de Dakar. Notes africaines, I.F.A.N., 119: 88-90.
- 77 BARNARD, K.H. 1914. Contributions to the crustacean fauna of South Africa. 3. Additions to the marine Isopoda. Ann. S. Afr. Mus., 10: 328-442.
- 78 BARNARD, K.H. 1916. Contributions to the crustacean fauna of South Africa. 5. The Amphipoda. Ann. S. Afr. Mus., 15: 105-302.
- 79 BARNARD, K.H. 1925. A monograph of the marine fishes of South Africa. Part I. Ann. S. Afr. Mus., 21: 1-418.
- 80 BARNARD, K.H. 1927. A monograph of the marine fishes of South Africa. part II. Ann. S. Afr. Mus., 21: 419-1065.

- 81 BARNARD, K.H. 1932. Contributions to the crustacean fauna of South Africa. II. Terrestrial Isopoda. Ann. S. Afr. Mus., 30: 179-388.
- 82 BARNARD, K.H. 1940. Contributions to the crustacean fauna of South Africa. 12. Further additions to the Tanaidacea, Isopoda, and Amphipoda together with keys for the identification of the hitherto recorded marine and freshwater species. Ann. S. Afr. Mus., 32: 381-543.
- 83 BARNARD, K.H. 1950. Descriptive list of South Africa decapod Crustacea. Ann. S. Afr. Mus., 38: 1-837.
- 84 BARNARD, K.H. 1951a. New records and descriptions of new species of isopods and amphipods from South Africa. Ann. Mag. nat. Hist., 4: 698-709.
- 85 BARNARD, K.H. 1951b. A beginner's guide to South African shells. Maskew Miller, Cape Town.
- 86 BARNARD, K.H. 1954. South African shore life. Maskew Miller, Cape Town.
- 87 BARNARD, K.H. 1955. Additions to the fauna-list of South African Crustacea and Pycnogonida. Ann. S. Afr. Mus., 43: 1-107.
- 88 BARNARD, K.H. 1959. Terrestrial amphipods and isopods from Madagascar. Mem. Inst. sci. Madagascar, 12A: 67-111.
- 89 BARNARD, K.H. 1964a. Contributions to the knowledge of South African marine Mollusca. Part V. Lamellibranchiata. Ann. S. Afr. Mus., 47: 361-593.
- 90 BARNARD, K.H. 1964b. The terrestrial Isopoda and Amphipoda of the Mascarene Islands. Bull. Mauritius Inst., 6: 49-60.
- 91 BARRASS, R. 1963a. Aggregations of crabs of the genus Ocypode (Crustacea, Ocypodidae). Anim. Behav., 11: 2-3.
- 92 BARRASS, R. 1963b. The burrows of Ocypode ceratophthalma (Pallas) (Crustacea, Ocypodidae) on a tidal wave beach at Inhaca Island, Mocambique. J. Anim. Ecol., 32: 73-85.
- 93 BARRE, N. & BARAU, A. 1982. Oiseaux de la Reunion. Imprimerie Arts Graphiques Modernes, Saint-Denis, Reunion.
- 94 BARTLETT, P.D. 1980. The second pollution survey of the beach around the AECI factory outfall, Somerset West. CSIR Rep. T/SEA 8013.
- 95 BARTLETT, P.D. 1981. The third pollution monitoring survey of Hout Bay beach. CSIR Rep. T/SEA 8113.
- 96 BARTLETT, P.D., EAGLE, G.A., FRICKE, A.H., GREENWOOD, P.J., HENNIG, H.F.-K.O. & KENMUIR, R.M. 1981. Follow-up pollution survey of Camps Bay beach. CSIR Rep. T/SEA 8103.

- 97 BASILIO, A. 1963. Aves de la Isla de Fernando Poo. Editorial Cocolsa, Madrid.
- 98 BASSINDALE, R. 1961. On the marine fauna of Ghana. Proc. Zool. Soc., Lond., 137: 451-510.
- 99 BAVAY, A. 1913. Sables de la Reunion (Saint-Pierre, Saint Gilles, l'Ermitage etc.) récoltés par Mme. Le Rat. Description d'une Marginelle nouvelle. Bull. Mus. Paris, 1913: 296-298.
- 100 BAVAY, A. 1917. Quelques coquilles des sables littoraux de divers pays. J. conchyliol. Paris, 63: 91-114.
- 101 BAVAY, A. 1920a. Sables littoraux de Madagascar: Marginelles. J. conchyliol. Paris, 65: 163-168.
- 102 BAVAY, A. 1920b. Sables littoraux de l'île de Loos (Guinée française). Description d'une espèce nouvelle du genre Pedipes. Bull. Mus. Hist. nat. Paris, 26: 638-639.
- 103 BAVAY, A. 1922. Coquilles des sables littoraux marins. J. conchyliol. Paris, 65: 57-66.
- 104 BEAUBRUN, P.-C. 1983. Le Goeland d'Audouin (Larus audouinii Payr.) sur les côtes du Maroc. Oiseau Rev. fr. Ornithol., 53: 209-226.
- 105 BECKLEY, L.E. 1981. An experimental study on iron accumulation in the clam Macra lilacea. Mar. Pollut. Bull., 12: 138-139.
- 106 BELLON-HUMBERT, C. & GANTES, H. 1968. Liste faunistique des coquilles de mollusques marins recueillies sur le rivage, à 50km au sud de Rabat. Bull. Soc. Sci. nat. phys. Maroc., 48: 57-75.
- 107 BENSON, C.W. 1936. The waders found at Beira. Ostrich, 7: 116-118.
- 108 BERGER, G. 1956. Etude des sables noirs des plages atlantiques du Maroc. Notes Mem. Serv. geol. Maroc, 133: 55-66.
- 109 BERGHEN, C.V. 1982. Observations sur la végétation littorale à Kafoutine (Basse Casamance, Sénégal). Bull. Soc. Roy. Bot. Belg., 115: 107-120.
- 110 BERRISFORD, C.D. 1969. Two interstitial beach-dwelling polychaetes, Microphthalmus and Hesionides (Hesionidae), representing genera new to the South African region. Trans. Roy. Soc. S. Afr., 38: 133-137.
- 111 BERRUTTI, A. 1978. Beach patrols on the Tongaland coast. Cormorant, 5: 33-34.
- 112 BERRY, H.H. & BERRY, C.U. 1975. A checklist and notes on the birds on the birds of Sandvis, South West Africa. Madoqua, 9: 5-18.
- 113 BERRY, P.F. 1976. Natal's ghost crabs, victims of the Middle East conflict? Afr. Wildl., 30: 35-37.

- 114 BERRY, P.F. 1980. The inter- and subtidal invertebrate fauna of Maputaland. In: BRUTON, M.N. & COOPER, K.H. (eds) Studies on the ecology of Maputaland. pp. 102-110. Rhodes University, Grahamstown.
- 115 BERRY, P.F., SMALE, M.J. & JACKSON, L.F. 1975. Surveys of ghost and mole crabs. Bull. S. Afr. mar. biol. Res., 12: 29-30.
- 116 BERTHOIS, L. 1950. Contribution à la connaissance lithographique de l'archipel du Cap Vert. Min. Colonies Est., 7: 1-194.
- 117 BIGALKE, R. 1921. On the habits of the crab Dotilla fenestrata Hilgendorf, with special reference to the mode of feeding. S. Afr. J. nat. Hist., 3: 205-209.
- 118 BIGOT, L. 1970. Contribution à l'étude écologique des peuplements halophiles de la région de Tuléar (Madagascar). II. La plage et le cordon dunaire. Ann. Univ. Madagascar (Ser. Sci. nat. math.), 7: 159-163.
- 119 BIGOT, L. 1971. Contribution à l'étude écologique des peuplements halophiles de la région de Tuléar (Madagascar). III. Les 'sansouires' et les marais. Ann. Univ. Madagascar (Ser. Sci. nat. math.), 8: 81-94.
- 120 BIN, F. 1981. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. 28. Ecological notes on Encyrtoscelio sp. (Hymenoptera Scelionidae). Monit. zool. ital. (N.S.) Suppl., 14: 1-6.
- 121 BINEY, C.A. 1983. Chemical survey of the Volta estuary. Trop. Ecol., 24: 283-291.
- 122 BIRCH, G.F. 1972. Unconsolidated sediments off the Cape west coast. JGS/UCT Mar. Geol. Prog. tech. Rep., 5: 44-66.
- 123 BIRCH, G.F. 1975. Sediments on the continental margin off the west coast of South Africa. PhD thesis, University of Cape Town.
- 124 BIRCH, G.F. 1981. Bathymetry and geomorphology of the Cape Seal to Cape Recife inner shelf. Trans. Geol. Soc. S. Afr., 84: 233-237.
- 125 BISESWAR, R. 1983. A key to the species of Anelassorhynchus (Echiura) with the description of a new species from the east coast of southern Africa. S. Afr. J. Zool., 19: 12-15.
- 126 BLAKER, D. 1966. Note on the sandpipers Charadrius in southern Africa. Ostrich, 37: 95-102.
- 127 BLANKLEY, W.O. 1978. Comparative ecology of Ocypode ceratophthalma (Pallas) and O. ryderi (Kingsley) (Crustacea: Brachyura: Ocypodidae). Unpublished project, Dept. Biol. Sci., University of Natal, Durban.

- 128 BLANPIED, C., BUROLLET, P.F., CLAIREFOND, P. & SHIMI, M. 1979. Sédiments actuels et holocenes. In: BUROLLET, P.F. & WINNOCK, E. (eds) La Mer pélagienne. Etude sédimentologique et écologique de plateau tunisien et du Golfe de Gabes. Geol. méditerran., 6: 61-82.
- 129 BLIGH, D.P., BARTLETT, P.D. & EAGLE, G.A. 1984. Investigation of a method to determine organic carbon concentrations in marine sediments. CSIR Rep. T/SEA 8405, CSIR-NRIO, Stellenbosch.
- 130 BODDAM-WETHAM, D. 1978. Beach birds. Diaz Diary, 53: 6.
- 131 BOIS-REYMOND MARCUS, E. 1952. Ein neuer Pantopode aus Foraminiferensand. Kieler Meeresforsch., 15: 105-107.
- 132 BOLAND, J. 1974. The ecology of Noordhoek beach. Unpublished project, Zoology Dept., University of Cape Town.
- 133 BOLELLI, E. 1951. Deux exemples de débouchés de nappes phréatiques selon les côtes du Maroc. Bull. Sci. C.L.O.E.C. Maroc (2eme ser.), 1: 1-10.
- 134 BORRADAILE, L.A. 1907. The Percy Sladen Trust Expedition to the Indian Ocean in 1905, under the leadership of J. Stanley Gardiner. No. III.- Land and fresh water Decapoda. Trans. linn. Soc. ser. 2, Zool., 12: 63-68.
- 135 BOSCHE, J.I. 1982. Predation of fiddler crabs *Uca stenodactyla* (Ocypodidae) by the common shore birds in Pangani Beach, Tanzania. Afr. J. Ecol., 20: 237-240.
- 136 BOSCHOFF, P.H. 1965. Pelecypoda of Inhaca Island, Mocambique. Mem. Inst. Invest. cient. Mocambique (ser. A), 7: 65-206.
- 137 BOTHA, L. 1966. A preliminary investigation of the digestive tract of *Bullia laevissima* (Gmelin). Unpublished project, Zoology Dept., University of Cape Town.
- 138 BOTT, R. 1964. Decapoden aus Angola unter besonderer Berücksichtigung der Potamiden (Crust. Decap.), und einem Anhang: Die Typen von *Thelphusa pelii* Herklots, 1861. Publ. Cult. Comp. Diam. Angola, 69: 23-34.
- 139 BOUCHER, C. 1974. Dune vegetation in the south-western Cape. Veld Flora, 4: 67-69.
- 140 BOUCHET, P. & DANRIGAL, F. 1982. Napoleon's Egyptian campaign (1798 - 1801) and the Savigny collection of shells. Nautilus, 96: 9-24.
- 141 BOUCHET, P., NICKLES, M. & ROSSO, J.C. 1982. Bibliographie malacologique ouest africaine. L. Burunay, Lisboa.
- 142 BOURDILLON, B.H. 1944. Terns on Lagos beach, Nigeria. Ibis, 86: 405-407.

- 143 BOUSTEYAK, L. 1970. Reconnaissance de plages et dunes minéralisées dans le nord-est de Madagascar. In: Rapport annuel du Service Géologique pour 1970. pp. 91-94. Service Géologique, Tananarive.
- 144 BOWIE, D.K. 1966. The marine geology of False Bay. MSc thesis, University of Cape Town.
- 145 BOWIE, D.K., FULLER, A.O. & SIESSER, W.G. 1970. The marine sediments of False Bay. Trans. Roy. Soc. S. Afr., 39: 149-161.
- 146 BOYE, C. 1973. Sables littoraux. Problèmes d'échantillonnage des cordons. In: Cinq études de géomorphologie et de palynologie. Trav. Doc. Geogr. trop., CEGET-CNRS, 8: 97-161.
- 147 BOZIC, B. 1964. Copepodes harpacticoides et cyclopoides de la Reunion. Bull. Mus. Nat. Hist. nat., 36: 481-499.
- 148 BOZIC, B. 1978. Ectinosoma barbicauda, espèce nouvelle de la Reunion (Crustacea, Copepoda, Harpacticoida). Bull. Mus. natn. Hist. nat., Paris (Zool.), 352: 157-163.
- 149 BRAGA, J.M. 1947. Nota sobre molluscos marinhos da Guine Portuguesa. Anais Jta Miss. geogr., Lisboa, 2(3): 7-27.
- 150 BRAGA, J.M. 1961a. Foraminiferos da costa de Mocambique. Publ. Inst. Zool. Augusto Nobre, Porto, 77: 1-208.
- 151 BRAGA, J.M. 1961b. Foraminiferos da costa de Mocambique. Mem. Jta Inv. Lisboa, 23: 127-141.
- 152 BRANCH, G.M. 1984. Changes in intertidal and shallow-water communities of the south and west coasts of South Africa during the 1982/1983 temperature anomaly. S. Afr. J. Sci., 80: 61-65.
- 153 BRANCH, G.M. & BRANCH, M. 1981. The living shores of southern Africa. Struik, Cape Town.
- 154 BREEN, C.M. 1971. An account of the plant ecology of the dune forest at Lake Sibaya. Trans. Roy. Soc. S. Afr., 39: 223-234.
- 155 BREMNER, J.M. 1980. The bathymetry of Algoa Bay. Geol. Surv. Rep. 1980-0007, Geological Survey, Pretoria.
- 156 BREMNER, J.M. 1983. Properties of logarithmic spiral beaches with particular reference to Algoa Bay. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 97-113. W. Junk, The Hague.
- 157 BREMNER, J.M. 1985. the coastline of Namibia. JGS/UCT Tech. Rep. 15: 200-206.
- 158 BRESSOLIER, C., CALLIES, P. & DIAW, A.T. 1979. Télédétection des systèmes dunaires du littoral sénégalais dans la région de Kayar; présentation méthodologique et critique. Photo Interpretation, 18: 23-27.

- 159 BRIAN, A. & DARTEVILLE, E. 1949. Contribution à l'étude des isopodes marins et fluviatiles du Congo. Ann. Mus. Congo Belge, Sect. C., Ser. 3,3, 1: 1-205.
- 160 BRINK, V.D.S. & ROGERS, J. 1985. Rapid granulometry of sand using a computer-linked settling-tube. JGS/UCT Tech. Rep., 15: 73-125.
- 161 BROCHU, M. & KASEREKA, R. 1982a. Etude statistique préliminaire des rides de la plage de Gisenyi (Rwanda). Cah. geol., 99: 497-500.
- 162 BROCHU, M. & KASEREKA, R. 1982b. Sur les sédiments meubles des plages des Lacs Kivu et Mobutu (Zaire). Cah. géol., 99: 513-517.
- 163 BROEKHUYSEN, G.J. 1952. Hirundo rustica feeding on Amphipoda. Ostrich 23: 134-135.
- 164 BROEKHUYSEN, G.J. 1969. Field guide to the birds of the South African seashore. Howard Timmins, Cape Town.
- 165 BROOD, K. 1976. Strandiv pa Zanzibar. Fauna Flora, Stockholm, 71: 145-151.
- 166 BROOKE, M.de L. 1980. The courtship of the ghost crab. Wildlife, Lond., 22: 44-45. [Seychelles]
- 167 BROOKE, M. DE L. 1981. Size as a factor influencing the ownership of copulation burrows by the ghost crab (Ocypode ceratophthalmus). Z. Tierpsychol., 55: 63-78. [Seychelles]
- 168 BROOKE, M. DE L. & GARNETT, M.C. 1983. Survival and reproductive performance of hawksbill turtles Eretmochelys imbricata L. on Cousin Island, Seychelles. Biol. Conserv., 25: 161-170.
- 169 BROOKE, R.K. & COOPER, J. 1979. What is the feeding niche of the kelp gull in South Africa? Cormorant, 7: 27-29.
- 170 BROWN, A. 1983. Sand dune reclamation at Kleinemonde. Unpublished project, Department of Plant Sciences, Rhodes University, Grahamstown.
- 171 BROWN, A.C. 1958. The ecology of South African estuaries. Part 9: notes on the estuary of the Orange River. Trans. Roy. Soc. S. Afr., 35: 463-473.
- 172 BROWN, A.C. 1961a. Chemoreception in the sandy beach snail Bullia. S. Afr. J. lab. clin. Med., 7: 160-161.
- 173 BROWN, A.C. 1961b. Physiological-ecological studies of two sandy beach Gastropoda from South Africa; Bullia digitalis Meuschen and Bullia laevissima (Gmelin). Z. Morph. Okol. Tiere, 49: 629-657.
- 174 BROWN, A.C. 1964a. Blood volumes, blood distribution and sea-water spaces in relation to expansion and retraction of the foot in Bullia (Gastropoda). J. exp. Biol., 41: 837-854.

- 175 BROWN, A.C. 1964b. Food relationships on the intertidal sandy beaches of the Cape Peninsula. *S. Afr. J. Sci.*, 60: 35-41.
- 176 BROWN, A.C. 1964c. The effect of hydrogen sulphide on Bullia (Gastropoda). *Nature, Lond.*, 203: 205-206.
- 177 BROWN, A.C. 1967. The elimination of foreign particles injected into the haemocoel of some prosobranchiate Gastropoda. *Zool. afr.*, 3: 9-20.
- 178 BROWN, A.C. 1969. Studies on the intertidal sandy-beach fauna of the Cape Peninsula. PhD thesis, University of Cape Town.
- 179 BROWN, A.C. 1971a. The ecology of sandy beaches of the Cape Peninsula, South Africa. Part 1: Introduction. *Trans. Roy. Soc. S. Afr.*, 39: 247-279.
- 180 BROWN, A.C. 1971b. The ecology of sandy beaches of the Cape Peninsula, South Africa. Part 2: The mode of life of Bullia (Gastropoda: Prosobranchiata). *Trans. Roy. Soc. S. Afr.*, 39: 281-320.
- 181 BROWN, A.C. 1973. The ecology of sandy beaches of the Cape Peninsula, South Africa. Part 4: Observations on two intertidal Isopoda; Eurydice longicornis (Studer) and Exosphaeroma truncatitelson Barnard. *Trans. Roy. Soc. S. Afr.*, 40: 381-404.
- 182 BROWN, A.C. 1974. Observations on the effect of ammonium nitrate solutions on some common marine animals from Table Bay. *Trans. Roy. Soc. S. Afr.*, 41: 217-223.
- 183 BROWN, A.C. 1976. Toxicity studies on marine animals. *S. Afr. J. Sci.*, 72: 197-199.
- 184 BROWN, A.C. 1977. Bullia rhodostoma in Saldanha Bay. *Strandloper*, 185: 2.
- 185 BROWN, A.C. 1978a. Life on marine sandy beaches. *Afr. Wildl.*, 31: 22-24.
- 186 BROWN, A.C. 1978b. Oxygen consumption of the sandy beach whelk Bullia digitalis Meuschen at different levels of activity. *Comp. Biochem. Physiol.*, 62A: 673-675.
- 187 BROWN, A.C. 1979a. Respiration and activity in the sandy-beach whelk Bullia digitalis (Dillwyn) (Nassariidae). *S. Afr. J. Sci.*, 75: 451-452.
- 188 BROWN, A.C. 1979b. Studies on sandy beach fauna, with particular reference to the whelk Bullia. DSc thesis, University of Cape Town.
- 189 BROWN, A.C. 1979c. The energy cost and efficiency of burrowing in the sandy beach whelk Bullia digitalis (Dillwyn) (Nassariidae). *J. exp. mar. Biol. Ecol.*, 40: 149-154.

- 190 BROWN, A.C. 1979d. The energetics of locomotion in the sandy-beach whelk Bullia digitalis (Dillwyn). S. Afr. J. Sci., 75: 568-569.
- 191 BROWN, A.C. 1979e. The effect of the effluent from Marine Oil Refineries of Africa Ltd upon the marine fauna and flora of Dido Valley beach, Simonstown. Unpublished report, Zoology Dept., University of Cape Town.
- 192 BROWN, A.C. 1980a. An activity budget for the whelk Bullia digitalis. Haliotis, 10: 31.
- 193 BROWN, A.C. 1980b. The effect of the effluent from Marine Oil Refineries of Africa Ltd - a second report. Unpublished report, Zoology Dept., University of Cape Town.
- 194 BROWN, A.C. 1981. An estimate of the cost of free existence in the sandy-beach whelk Bullia digitalis (Dillwyn) on the west coast of South Africa. J. exp. mar. Biol. Ecol., 49: 51-56.
- 195 BROWN, A.C. 1982a. The biology of sandy beach whelks of the genus Bullia (Nassariidae). Oceanogr. mar. Biol. ann. Rev., 20: 309-361.
- 196 BROWN, A.C. 1982b. Towards an energy budget for the sandy beach whelk Bullia digitalis (Dillwyn). Malacologia, 22: 681-683.
- 197 BROWN, A.C. 1982c. Metabolic regulation in the sandy-beach whelk Bullia digitalis. J. moll. Stud., 48: 228-229.
- 198 BROWN, A.C. 1982d. Pollution and the sand-beach whelk Bullia. Trans. Roy. Soc. S. Afr., 44: 555-562.
- 199 BROWN, A.C. 1983a. The ecophysiology of sandy beach animals a partial review. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 575-605. W. Junk, The Hague.
- 200 BROWN, A.C. 1983b. Effects of fresh water and of pollution from a marine oil refinery on the fauna of a sandy beach. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 297-301. W. Junk, The Hague.
- 201 BROWN, A.C. 1983c. The status of the intertidal ecosystem at the outfall from Marine Oil Refineries of Africa Ltd., during the month of August, 1983. Unpublished report, Zoology Department, University of Cape Town.
- 202 BROWN, A.C. 1984. Oxygen diffusion into the foot of the whelk Bullia digitalis (Dillwyn) and its possible significance in respiration. J. exp. mar. Biol. Ecol., 79: 1-7.
- 203 BROWN, A.C. 1985a. Bibliography of marine biology in South Africa. A supplement to the 1980 edition. S. Afr. natl. sci. Prog. Rep., 103: 1-83.
- 204 BROWN, A.C. 1985b. Oxygen tensions in the pedal sinus of the whelk Bullia digitalis (Dillwyn). J. moll. Stud., 50: 122.

- 205 BROWN, A.C. 1985c. The effects of crude oil pollution on marine organisms. S. Afr. natl. sci. Prog. Rep., 99: 1-33.
- 206 BROWN, A.C., ANSELL, A.D. & TREVALLION, A. 1978. Oxygen consumption by Bullia (Dorsanum) melanoides (Deshayes) and Bullia digitalis Meuschen (Gastropoda, Nassariidae) - an example of non-acclimation. Comp. Biochem. Physiol., 61A: 123-125.
- 207 BROWN, A.C., BAISSAC, P. de B. & LEON, B. 1974. Observation on the effects of crude oil pollution on the sandy beach snail Bullia (Gastropoda: Prosobranchiata). Trans. Roy. Soc. S. Afr., 41: 19-24.
- 208 BROWN, A.C. & BROWN, R.J. 1965. The fate of thorium dioxide injected into the pedal sinus of Bullia. J. exp. Biol., 42: 509-520.
- 209 BROWN, A.C. & CURRIE, A.B. 1973. Tolerance of Bullia digitalis (Prosobranchiata) to solutions of ammonium nitrate in natural seawater. S. Afr. J. Sci., 69: 219-220.
- 210 BROWN, A.C. & DA SILVA, F.M. 1978. The effects of temperature on oxygen consumption in Bullia digitalis (Gastropoda, Nassariidae). Comp. Biochem. Physiol., 62A: 573-576.
- 211 BROWN, A.C. & DA SILVA, F.M. 1983. Acute metabolic rate: temperature relationships of intact and homogenized Bullia digitalis (Gastropoda, Nassariidae). Trans. Roy. Soc. S. Afr., 45: 91-96.
- 212 BROWN, A.C. & DA SILVA, F.M. 1984. Effects of temperature on oxygen consumption in two closely-related whelks from different regimes. J. exp. mar. Biol. Ecol., 84: 145-153.
- 213 BROWN, A.C., DAVIES, K.C. & YOUNG, D.J. 1982. Effects of cadmium and zinc on oxygen uptake in the whelk Bullia digitalis (Dillwyn). Trans. Roy. Soc. S. Afr., 44: 551-554.
- 214 BROWN, A.C. & JARMAN, N. 1978. Coastal marine habitats. In: WERGER, M.J.A. (ed.) Biogeography and ecology of Southern Africa. pp. 1239-1277. Junk, The Hague.
- 215 BROWN, A.C. & MEREDITH, F.L. 1981. The effects of salinity changes on respiration in the sandy-beach whelk Bullia digitalis (Dillwyn). Comp. Biochem. Physiol., 69A: 599-601.
- 216 BROWN, A.C. & NOBLE, R.G. 1960. Function of the osphradium of Bullia. Nature, Lond., 188: 1045.
- 217 BROWN, A.C. & TALBOT, M.S. 1972. The ecology of sandy beaches of the Cape Peninsula, South Africa. Part 3: A study of Gastrosaccus psammodytes Tattersall (Crustacea; Mysidacea). Trans. Roy. Soc. S. Afr., 40: 309-333.
- 218 BROWN, A.C. & TRUEMAN, E.R. 1982. Muscles that push snails out of their shells. J. moll. Stud., 48: 97-98.

- 219 BROWN, A.C. & TRUEMAN, E.R. 1983. Responses of the columellar muscle of Bullia digitalis (Nassariidae) to acetylcholine and L-glutamate. *J. moll. Stud.*, 48: 367-368.
- 220 BROWN, A.C. & TURNER, L.G.W. 1962. Expansion of the foot in Bullia (Gastropoda). *Nature, Lond.*, 195: 98-99.
- 221 BRUCE, N.L. 1981. New records of Cirolanidae (Crustacea: Isopoda) from the Tanzanian coast of East Africa. *J. crust. Biol.*, 1: 457-460.
- 222 BRUCE, N.L. & JONES, D.A. 1978. Red Sea Cirolanidae. *J. Zool., Lond.*, 185: 395-415.
- 223 BRUCE-CHWATT, L.J. & FITZ-JOHN, R.A. 1951. Mosquitoes in crab-burrows on the coast of West Africa and their control. *J. trop. Med. Hyg.*, 54: 116-121.
- 224 BRUUN, A.F. 1940. Etudes quantitatives sur la faune du Lac de Tunis et du Golfe de Tunis dans la région de Salammbô. *Bull. Sta. oceanogr. Salammbô*, 40: 1-20.
- 225 BRYANT, D.M. 1980. Waders on the coast of Kenya: January 1979. *Bull. Wader Study Gp*, 28: 28-30.
- 226 BRYCESON, I. 1981. A review of some problems of tropical marine conservation with particular reference to the Tanzanian coast. *Biol. Conserv.*, 20: 163-171.
- 227 BUCHANAN, J.B. 1954. Marine molluscs of the Gold Coast, West Africa. *J. W. Afr. Sci. Ass.*, 1: 30-45.
- 228 BUCHANAN, J.B. 1958. The bottom fauna communities across the continental shelf off Accra, Ghana (Gold Coast). *Proc. Zool. Soc. Lond.*, 130: 1-56.
- 229 BUDDE-LUND, G. 1906. Die Landisopoden der deutschen Sudpolar-Expedition 1901-1903. Mit Diagnosen verwandter Arten. In: *Deutscher Sudpolar-Expedition 1901-1903*. G. Reimer, Berlin, 9(2): 69-92.
- 230 BUGÉ, E. & DEBOURLE, A. 1977. Ecologie de la faune de bryozoaires d'une plage des environs de Tripoli (Libye). *Bull. Cent. Rech. Explor.-Product. Elf-Aquitaine*, 1: 321-377.
- 231 BURNAY, L.P. & MONTEIRO, A.A. 1977. Seashells from Cape Verde Islands. *Da Silva Correia, Lisbon*, 85pp.
- 232 BUROLLET, P.H. 1935. Les horizons bionomiques supérieurs de la côte atlantique marocaine, au sud de Rabat. *Bull. Soc. Sci. nat. Maroc*, 15: 109-130.
- 233 BUTTIKOFER, J. 1890. *Reisbilder aus Liberia: Resultate geographischer, naturwissenschaftlicher und ethnographischer Untersuchungen während der Jahre 1878-1882 und 1886-1887*. Leiden.

C

- 234 CADENAT, J. 1949. Notes sur les tortues marines des côtes du Sénégal. Bull. I.F.A.N., 11: 16-35.
- 235 CADENAT, J. 1950. Poissons de mer du Sénégal. Institut Français d'Afrique Noire, Dakar.
- 236 CALLAN, E.M. 1964. Ecology of sand dunes with special reference to the insect communities. In: DAVIS, D.H.S. (ed.) Ecological studies in South Africa. pp. 174-185. W. Junk, The Hague.
- 237 CALS, P., DELAMARE DEBOUTTEVILLE, C. & RENAUD-MORNANT, J. 1971. Caractères anatomiques des Mystacocarides (Crustacea). Etude de Derocheilocaris remanei Delamare Deboutteville et Chappuis 1954. C.r. hebd. Séanc. Acad. Sci., Paris, 272D: 3154-3157.
- 238 CAMPBELL, E.E. 1984. Phytoplankton primary production in the surf zone of the Sundays River beach. Unpublished project, Botany Department, University of Port Elizabeth.
- 239 CANDEIAS, A. 1959. Contribution to the knowledge of the Harpacticoid (Crust. Cop.) from the littoral of Angola. Publ. cult. Co. Diam. Angola, 45: 77-104.
- 240 CANTONE, G. 1976. Ricerche sul litorale della Somalia. Annelida policheti di Bender Mtoni e Sar Uanle. Monit. zool. ital. (N.S.) Suppl., 8: 223-234.
- 241 CANTONE, G., FASSARI, G. & BRIGANDI, S. 1978. Ricerche sui policheti della Tunisia. Animalia, Catania, 5: 51-78.
- 242 CAPAPE, C. 1974. Note préliminaire sur la biologie de Torpedo (Torpedo) marmorata Risso 1810 et de Torpedo (Tetronarce) nobiliana Bonaparte 1835 des côtes tunisiennes. Arch. Inst. Pasteur Tunis, 51: 257-267.
- 243 CAPAPE, C. 1975. Contribution à la biologie des Dasyatidae des côtes tunisiennes. 2. Dasyatis pastinacea (Linné 1758): régime alimentaire. Ann. Inst. Michel Pacha Lab. mar. Physiol., 8: 1-15.
- 244 CAPAPE, C. 1976. Contribution à la systématique et à la biologie de Dasyatis pastinacea (Linnaeus, 1758) et de D. tortonesi Capapé, 1975 des côtes tunisiennes. Rev. Trav. Inst. Pêch. marit., 40: 524-525.
- 245 CAPAPE, C. 1977a. Contribution à la biologie des Dasyatidae des côtes tunisiennes. 1. Dasyatis pastinacea (Linné, 1758). Répartition géographique et bathymétrique, sexualité, reproduction, fécondité. Ann. Mus. civ. Stor. nat. Giacomo Doria, 81: 22-32.

- 246 CAPAPE, C. 1977b. Contribution à la biologie des Rajidae des côtes tunisiennes. 4. Raja asterias Delaroche, 1809: répartition géographique et bathymétrique, sexualité, reproduction et fécondité. Bull. Mus. natn. Hist. nat. Paris (Zool.), 305: 305-326.
- 247 CAPAPE, C. 1978. Contribution à la biologie des Dasyatidae des côtes tunisiennes. 4. Dasyatis tortonesi Capapé, 1975. Régime alimentaire. Arch. Inst. Pasteur Tunis, 55: 359-369.
- 248 CAPAPE, C. 1979. La torpille marbrée, Torpedo marmorata Risso, 1810 (Pisces, Rajiformes) des côtes tunisiennes: nouvelles données sur l'écologie et la biologie de la reproduction de l'espèce, avec une comparaison entre les populations méditerranéennes et atlantiques. Ann. Sci. nat. (Zool. Biol. anim.), 1: 79-97.
- 249 CAPAPE, C. 1980a. Contribution à la biologie des Dasyatidae des côtes tunisiennes. 5. Dasyatis tortonesi Capapé, 1975. Relations taille-poids du corps, du foie et des gonades. Rapports hépato et gonosomatique. Cycles sexuels femelles. Arch. Inst. Pasteur Tunis, 57: 61-85.
- 250 CAPAPE, C. 1980b. Contribution à la biologie des Rajidae des côtes tunisiennes. 21. Raja asterias Delaroche, 1809. Relations taille-poids du foie, taille-poids des gonades. Coefficients de condition, rapports hépatosomatique et gonosomatique. Bull. Off. natn. Pêch. Tunisie, 4: 47-65.
- 251 CAPAPE, C. & DESOUTTER, M. 1980a. Nouvelles descriptions de Torpedo (Tetronarce) nobiliana Bonaparte, 1835, et de Torpedo (Tetronarce) mackayana Metzelaar, 1919 (Pisces, Torpedinidae). Bull. Mus. natn. Hist. nat. Paris (Zool. Biol. Ecol. anim.), 2: 325-342.
- 252 CAPAPE, C. & DESOUTTER, M. 1980b. Nouvelle description de Raja asterias Delaroche, 1809 (Pisces, Rajiformes). Cybium (Ser. 3), 11: 29-39.
- 253 CAPAPE, C. & QUIGNARD, J.-P. 1977. Contribution à la biologie des Rajidae des côtes tunisiennes. 6. Raja asterias Delaroche, 1809. Régime alimentaire. Bull. Inst. natn. scient. tech. Océanogr. Pêche Salammbô, 4: 319-332.
- 254 CAPAPE, C. & QUIGNARD, J.-P. 1981. Nouvelles descriptions de Rhinobatos rhinobatos (Linné, 1758) et Rhinobatos cemiculus Geoffroy Saint-Hilaire, 1817 (Pisces, Rhinobatidae). Bull. Off. natn. Pêch. Tunisie, 5: 1-27.
- 255 CAPAPE, C. & ZAOUALI, J. 1979. Etude du régime alimentaire de deux selaciens communs dans le golfe de Gabes (Tunisie): Rhinobatos rhinobatos (Linné, 1758) et Rhinobatos cemiculus (Geoffroy Saint-Hilaire, 1817). Arch. Inst. Pasteur Tunis, 56: 285-306.

- 256 CAPAPE, C. & ZAOUALI, J. 1981. Note sur la taille de première maturité sexuelle de Rhinobatos rhinobatos (Linné, 1758) et de Rh. cemiculus Geoffroy Saint-Hilaire, 1817 (Pisces, Rhinobatidae) des côtes tunisiennes. Arch. Inst. Pasteur Tunis, 58: 105-114.
- 257 CAPAPE, C., ZAOUALI, J. & QUIGNARD, J.-P. 1976. Premières données sur le cycle de la reproduction de Rhinobatos rhinobatos (Linné, 1758) et de Rhinobatos cemiculus Geoffroy Saint-Hilaire, 1817 des côtes tunisiennes. Arch. Inst. Pasteur Tunis, 53: 47-60.
- 258 CAPART, A. 1951. Crustacés décapodes brachyures. Expéd. océanogr. Belge Eaux afric. Atlant. Sud, 1948-1949, 3: 1-205.
- 259 CARELSE, G. 1982. The biology of the sand dune species, Gladiolus queinzi Kuntze (Linn.). Unpublished project, Department of Plant Sciences, Rhodes University, Grahamstown.
- 260 CARLI, A. 1969. Osservazioni sistematiche e biologiche su Ocypode saratan (Forskål, 1775), raccolto sulle coste della Migiurtinia (Spedizione Scortecci, 1953). Natura, Milano, 60: 57-79.
- 261 CARR, C.E. 1976. Distribution pattern of the intertidal macrofauna at Langebaan Lagoon. Unpublished project, Zoology Dept., University of Cape Town.
- 262 CASTELLINI, G. 1974. Ricerche sul litorale della Somalia. La spiaggia e la duna di Sar Uanle. 2. Pselaphidae (Coleoptera). Monit. zool. ital. (N.S.) Suppl., 5: 183-189.
- 263 CASTELLINI, G. 1983. Ricerche sul litorale della Somalia. La spiaggia e la duna di Sar Uanle. 35. Scydmaenidae (Coleoptera). Monit. zool. ital. (N.S.) Suppl., 18: 187-191.
- 264 CERNOHORSKY, W.O. 1977. Correction to the nomenclature of Bullia (Gastropoda: Nassaridae). Auck. Mus. Conc. Sec. Bull. (N.S.), 2: 25-27.
- 265 CHAMARD, P. & BARBEY, C. 1970. Contribution à l'étude de la côte occidentale de la presqu'île du Cap Vert. Indices morphométriques et morphoscopiques des galets de plage. Bull. I.F.A.N. ser. A, 32: 859-868.
- 266 CHAPPUIS, P.A. 1952a. Copépodes harpacticoides de la Reunion. Mem. Inst. sci. Madagascar, 7A: 47-51.
- 267 CHAPPUIS, P.A. 1952b. Copépodes harpacticoides psammiques de Madagascar. Mem. Inst. Sci. Madagascar, 7A: 145-160.
- 268 CHAPPUIS, P.A. 1953a. Harpacticides psammiques récoltés par Cl. Delamare Deboutteville en Méditerranée. Vie Milieu, 4: 254-276.
- 269 CHAPPUIS, P.A. 1953b. Un nouvel isopode psammique du Maroc: Microcerberus remyi. Vie Milieu, 4: 659-663.

- 270 CHAPPUIS, P.A. 1954. IV. Copépodes Harpacticoides psammiques de Madagascar. Mem. Inst. sci. Madagascar, 9A: 45-73.
- 271 CHAPPUIS, P.A. 1955. Un nouveau Diagoniceps (Cop. Harp.) de la côte près de Dakar. Bull. I.F.A.N. ser. A, 16: 1020-1023.
- 272 CHAPPUIS, P.A. 1960. Harpacticoides psammiques d'une plage près de Dakar. Bull. I.F.A.N. ser. A, 22: 193-197.
- 273 CHAPPUIS, P.A. & DELAMARE DEBOUTTEVILLE, C. 1956. Recherches sur la faune interstitielle des sédiments marins et d'eau douce à Madagascar. VII. Présence de la sous-famille de Microcerberinae à Madagascar: Microcerberus pauliani n. sp. (Crustacés Isopodes). Mem. Inst. sci. Madagascar, 10A: 81-88.
- 274 CHAPPUIS, P.-A., DELAMARE DEBOUTTEVILLE, C. & PAULIAN, R. 1956. Crustacés des eaux souterraines littorales d'une résurgence d'eau douce à la Reunion. Mem. Inst. sci. Madagascar, 11A: 51-78.
- 275 CHAPPUIS, P.A. & ROUCH, R. 1960a. Arenotopa ghanai, n. g., n. sp. Harpacticiode psammique des côtes d'Afrique. Bull. I.F.A.N. ser. A, 22: 1248-1251.
- 276 CHAPPUIS, P.A. & ROUCH, R. 1960b. Harpacticides psammiques d'une plage près d'Accra (Ghana). Vie Milieu, 11: 605-615.
- 277 CHASENS, S.A. 1981. Foraminifera of the Kenya coastline. J. foram. Res., 11: 191-202.
- 278 CHELAZZI, G. 1982. Behavioural adaptation of the gastropod Nerita polita L. on different shores at Aldabra Atoll. Proc. Roy. Soc. Lond., 215B: 451-467.
- 279 CHELAZZI, G., CHELAZZI, L. & FOCARDI, S. 1983. Dynamic zonation of staphylinoid beetles (Coleoptera: Staphylinoidea) on a sandy beach in East Africa. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 405-412. W. Junk, The Hague.
- 280 CHELAZZI, G. & FERRARA, F. 1978. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. 19. Zonation and activity of terrestrial isopods (Oniscoidea). Monit. zool. ital. (N.S.) Suppl., 11: 189-219.
- 281 CHELAZZI, L., CHELAZZI, G., ERCOLINI, A., FERRARA, F., MESSANA, G., PARDI, L. & VANNINI, M. 1977. Un programma di studio ecologico del litorale sabbioso in Somalia. III. Tecniche di raccolta. Boll. Zool., 43: 411-412.
- 282 CHEVREUX, E. 1901. Mission scientifique de M. Ch. Alluaud aux îles Seychelles; Crustacés Amphipodes. Mem. Soc. Zool. France, 14: 388-438.
- 283 CHEVREUX, E. 1911. Campagnes de la Melita. Les Amphipodes d'Algérie et de Tunisie. Première Partie. Gammarina. Mem. Soc. Zool. Paris, 23: 145-285.

- 284 CHOLNOKY, B.J. 1963. Beitrage zur Kenntnis des marinen Litorals von Sudafrica. Bot. mar., 5: 38-83.
- 285 CHRISTIE, N.D. 1974. Distribution patterns of the benthic fauna along a transect across the continental shelf off Lamberts Bay, South Africa. PhD thesis, University of Cape Town.
- 286 CHRISTIE, N.D. 1975. Relationship between sediment texture, species richness and volume of sediment sampled by a grab. Mar. Biol., 30: 89-96.
- 287 CHRISTIE, N.D. 1976. A numerical analysis of the distribution of a shallow sublittoral sand macrofauna along a transect at Lamberts Bay, South Africa. Trans. Roy. Soc. S. Afr., 42: 149-172.
- 288 CHRISTIE, N.D. & ALLEN, J.C. 1972. A self-contained diver-operated quantitative sampler for investigating the macrofauna of soft substrata. Trans. Roy. Soc. S. Afr., 40: 299-307.
- 289 CHUANG, S.H. 1961. Growth of the postlarval shell in Lingula unguis (L.) (Brachiopoda). Proc. zool. Soc., Lond., 137: 299-310. [Mozambique]
- 290 CIFERRI, R. 1939. Le associazioni del litorale marino della Somalia meridionale. Riv. Biol. colon., 2: 4-42.
- 291 CILEK, V. 1978. Geological investigations on the beaches of Mahé in the Seychelles archipelago. Cas. Mineral. Geol., 23: 149-157.
- 292 CLEMENT, A.J. 1978. Forbidden territory in Namibia. Geogr. Mag. Lond., 51: 129-136.
- 293 CLOUDLEY-THOMPSON, J.L. 1971. The littoral terrestrial fauna of Suakin, Sudan. Entomologist's mon. Mag., 107: 10.
- 294 COCK, B.L. 1965. A preliminary list of South African marine shells recorded from the Natal and Zululand coast. Natal Museum, Durban.
- 295 COCKROFT, A. 1979. Observed trends in the surf zone zooplankton of Kings Beach. Unpublished project, Zoology Dept., University of Port Elizabeth.
- 296 COCKROFT, A. 1983. Aspects of the biology of the swimming prawn Macropetasma africanus (Balss.). MSc thesis, University of Port Elizabeth.
- 297 COCKROFT, V.G. 1982. Marine mammal strandings. The Naturalist, 26: 20-21. [South Africa]
- 298 COETZEE, O.J. 1961. Comments on sewage contamination of bathing waters. S. Afr. med. J., 35: 261-263.

- 299 COIFMANN, I. 1937. Misidacei de Mar Rosso. Studio del materiale raccolto dal Prof. L. Sanzo durante la campagna idrografica della R. Nave Ammiraglio Magnaghi (1923-24). Mem. Comm. talassogr. Ital., Venezia, 233: 1-52.
- 300 COLCLOUGH, J.H. 1982a. The ecology of the sandy sublittoral fish fauna of the Cape Peninsula (with specific reference to the family Xenopoclinidae). Unpublished project, Zoology Dept., University of Cape Town.
- 301 COLCLOUGH, J.H. 1982b. Uptake of dissolved organic matter by a marine whelk Bullia digitalis (Dillwyn). Unpublished project, Zoology Dept., Univeristy of Cape Town.
- 302 COLCLOUGH, J.H. & BROWN, A.C. 1984. Uptake of dissolved organic matter by a marine whelk. Trans. Roy. Soc. S. Afr., 45: 169-176.
- 303 COLLIGNAN, J. 1960. Observations faunistiques et écologiques sur les mollusques testacés de la baie de Pointe-Noire (Moyen-Congo), Bull. I.F.A.N. ser. A, 22: 411-464.
- 304 COLLIGNON, J. & ALONCLE, H. 1972. Catalogue raisonné des poissons des mers marocaines, I: Cyclostomes, Sélaciens, Holocéphales. Bull. Inst. Pêch. marit. Maroc, 19: 1-164.
- 305 COLOSI, G. 1921. Missione zoologica del Dott. E. Festa in Cirenaica. Crostacei. Boll. Mus. Zool. Anat. comp. Torino, 36: 1-7.
- 306 COLOSI, G. 1923. Crostacei Decapodi della Cirenaica. Mem. R. Com. Talassogr. Ital. Venezia, 104: 1-11.
- 307 COLVIN, P.M. 1969. On the determination of dissolved oxygen in sandy beaches. Unpublished project, Zoology Dept., University of Cape Town.
- 308 COMINS, D.M. 1961. A note on the sand crab (Ocypode sp.) as a predator of birds in South Africa. Bull. Br. orn. Club, 81: 111-112.
- 309 CONNOLLY, C.M. 1974. Bullia ancillaeformis found in False Bay. Strandloper, 168: 6.
- 310 COOK, P.A. & BIRKETT, D.A. 1983. Koeberg nuclear power station. Marine environmental monitoring programme. Baseline ecological study: period 1981 and 1982. Unpublished report, Zoology Dept., University of Cape Town.
- 311 COOK, P.A. & BIRKETT, D.A. 1984. Koeberg nuclear power station. Marine environmental monitoring programme. Baseline ecological report. January 1983 to December 1983. Unpublished report, Zoology Dept., University of Cape Town.
- 312 COOPER, G.A. 1973. New Brachiopoda from the Indian Ocean. Smithson. Contr. Palaeobiol., 16: 1-43.
- 313 COOPER, J. 1977. Suggested methods for beach walks. Cormorant, 2: 30.

- 314 COOPER, J. 1978. Results of beach patrols conducted in 1977. *Cormorant*, 4: 4-9.
- 315 COOPER, J. & BROOKE, R.K. 1981. A bibliography of seabirds in the waters of southern Africa, the Prince Edward and Tristan groups. *S. Afr. Nat. Sci. Prog. Rep.*, 48: 1-297.
- 316 COOPER, J., ROBERTSON, H.G. & SHAUGHNESSY, P.D. 1979. Waders (Charadrii) and other coastal birds of the Diamond Coast and the islands of South West Africa. *Madoqua*, 12: 51-57.
- 317 COPLEY, H. 1946. Wonders of the Kenya seashore. Publisher unknown, Nairobi.
- 318 COTT, H.B. 1929. Observations on the natural history of the racing crab Ocypoda ceratophthalma from Beira. *Proc. Zool. Soc. Lond.*, 1929: 755-765.
- 319 COTTARELLI, V. & MURA, G. 1981. Remarks on the genus Afroloaophonte (Crustacea, Copepoda, Harpacticoida). *Vie Milieu*, 31: 153-161.
- 320 COUDE-GAUSSEN, G., ROGNON, P. & WEISROCK, A. 1982. Evolution du matériel sableux au cours de son déplacement dans un système dunaire; les barkhanes du Cap Sim au sud d'Essaouira (Maroc). *C.r. Séanc. Acad. Sci., Ser. 2*, 295: 621-624.
- 321 COUTIERE, H. 1899. Note sur Callianassa grandidieri n. sp. *Bull. Mus. Paris*, 1899: 285-287. [Madagascar]
- 322 CRAM, D.L. 1971. Life histories of South African echinoids. 2. Echinolampas (Palaeolampas) crassa (Bell). *Trans. Roy. Soc. S. Afr.*, 39: 339-352.
- 323 CRAWFORD, R.J.M., COOPER, J. & SHELTON, P.A. 1982. Distribution, population size, breeding and conservation of the kelp gull in southern Africa. *Ostrich*, 53: 164-177.
- 324 CROSNIER, A. 1962. Crustacés décapodes Portunidae. *Faune de Madagascar*, 16: 1-154.
- 325 CROSNIER, A. 1965. Crustacés décapodes, Grapsidae et Ocypodidae. *Faune de Madagascar*, 18: 1-143.
- 326 CROSSLAND, C. 1904. The marine fauna of Zanzibar and British East Africa, from a collection made by Cyril Crossland in the years 1901 and 1902. - The Polychaeta. Part III. *Proc. Zool. Soc., Lond.*, 1904: 287-330.
- 327 CROSSLAND, C. 1924. Polychaeta of tropical East Africa. *Proc. Zool. Soc. Lond.*, 1924: 1-106.
- 328 CURRIE, B. & COOK, P.A. 1975. Report on biological investigations for the proposed ESCOM nuclear power station at Duynefontein. Unpublished report, Zoology Dept., University of Cape Town.

- 329 CUTHBERT, K.C. 1975. Some effects of cadmium pollution on Bullia digitalis (Prosobranchiata). Unpublished project, Zoology Dept., University of Cape Town.
- 330 CUTHBERT, K.C., BROWN, A.C. & ORREN, M.J. 1976a. Cadmium concentration in the tissues of Bullia digitalis (Prosobranchiata) from the South African west coast. S. Afr. J. Sci., 72: 57.
- 331 CUTHBERT, K.C., BROWN, A.C. & ORREN, M.J. 1976b. Toxicity of cadmium to Bullia digitalis (Prosobranchiata, Nassariidae). Trans. Roy. Soc. S. Afr., 42: 203-208.
- 332 CUTLER, E.B. 1965. Sipunculids of Madagascar. Cah. O.R.S.T.O.M., sect. Oceanogr., 3(4): 51-63.
- 333 CUTLER, E.B. & CUTLER, N.J. 1979a. Madagascar and Indian Ocean Sipuncula. Bull. Mus. natn. Hist. nat., Paris, 4e ser., sect. A, 1: 941-990.
- 334 CUTLER, E.B. & CUTLER, N.J. 1979b. Campagnes de la Calypso au large des côtes atlantiques africaines (1956 et 1959) et sud-américaines (1960-1961). 23. Sipunculida. Res. sci. Campagnes Calypso, 11: 103-109.

D

- 335 DA SILVA, F.M. & BROWN, A.C. 1982. Chromosome numbers in the genus Bullia (Nassariidae). J. moll. Stud., 48: 229.
- 336 DA SILVA, F.M. & BROWN, A.C. 1985. The garden of the sandy-beach whelk Bullia digitalis (Dillwyn). J. moll. Stud., 50: 64.
- 337 DAGORNE, A. 1973. Sédimentologie et bionomie benthiques en Baie de Bou-Ismaïl (ex-Castiglione). Pelagos, 4: 40-53.
- 338 DARMOUL, B., VITIELLO, P. & SALEM, M.H.A. 1979. Impact des rejets de l'industrie de transformation du minerai de phosphate sur l'environnement marin (Golfe de Gabes, Tunisie). Journ. Etud. Pollut. mar. Monaco, 4: 343-345.
- 339 DARRACOTT, D.A. & BROWN, A.C. 1980. Bibliography of marine biology in South Africa. S. Afr. natl. sci. Prog. Rep., 40: 1-239.
- 340 DARRACOTT, D.A. & CLOETE, C.E. 1976. Bibliography of marine pollution in South Africa. S. Afr. natl. sci. Prog. Rep., 5: 1-131.
- 341 DARTEVELLE, E. 1950. La côte et l'estuaire du Congo. Mem. Inst. Roy. colon. Belge Sci. nat. med. (Ser. 8), 19(2): 1-59.
- 342 DARTEVELLE, E. 1954. Caractères physiques de la région côtière de l'Angola. Congo. Natl. Sci., 3e ser., 4: 148-150.
- 343 DAUTZENBERG, P. 1883. Liste de coquilles du Golfe de Gabes. J. conchyliol., Paris, 31: 289-330.
- 344 DAUTZENBERG, P. 1891. Voyage sur la goelette "Melita" aux Canaries et au Senegal, 1889-1890. Mollusques testacés. Mem. Soc. zool. Fr., 4: 16-65.
- 345 DAUTZENBERG, P. 1893. Contribution à la faune malacologique des Iles Sechelles. Bull. Soc. zool. France, 18: 78-84.
- 346 DAUTZENBERG, P. 1895a. Liste de mollusques marins provenant des îles Glorieuses. Bull. Soc. ouest France, 5: 99-121. [Madagascar]
- 347 DAUTZENBERG, P. 1895b. Mollusques recueillis sur les côtes de la Tunisie et de l'Algérie. Mem. Soc. zool. Fr., Paris, 8: 363-373.
- 348 DAUTZENBERG, P. 1910. Contribution à la faune malacologique de l'Afrique occidentale. Actes Soc. linn. Bordeaux, 64: 47-220.
- 349 DAUTZENBERG, P. 1912. Mission Gruvel sur la côte occidentale d'Afrique (1909-1910). Mollusques marins. Ann. Inst. océanogr. Monaco, 5: 1-111.

- 350 DAUTZENBERG, P. 1917. Liste des mollusques marins récoltés en 1915-16 par M. Georges Lecointre sur le littoral occidental du Maroc. *J. conchyliol.* Paris, 63: 63-70.
- 351 DAUTZENBERG, P. 1921. Contribution à la faune malacologique du Cameroun. *Rev. Zool. Afr.* Bruxelles, 9: 87-192.
- 352 DAUTZENBERG, P. 1923. Liste préliminaire des mollusques marins de Madagascar et description de deux espèces nouvelles. *J. conchyliol.* Paris, 68: 21-74.
- 353 DAUTZENBERG, P. 1927. Mollusca I. Mollusca marina testacea. In: MONOD, T. (ed.) Contribution à l'étude de la faune du Cameroun. Faune des Colonies Françaises, 1: 483-522.
- 354 DAUTZENBERG, P. 1929. Mollusques testacés marins de Madagascar. Faune des Colonies Françaises, 3: 320-636.
- 355 DAUTZENBERG, P. 1932. Mollusques testacés marins de Madagascar Supplément. *J. conchyliol.* Paris, 76: 5-119.
- 356 DAVIES, K.C. & BROWN, A.C. 1984. Further evidence of high cadmium and zinc levels in *Bullia* (Nassariidae) from the Cape west coast. *Trans. Roy. Soc. S. Afr.*, 45: 187-190.
- 357 DAVIS, C.K., KOOP, K., MUIR, D.G. & ROBB, F.T. 1983. Bacterial diversity in adjacent kelp-dominated ecosystems. *Mar. Ecol. Prog. Ser.*, 13: 115-119.
- 358 DAY, J.A. 1975. Southern African Cumacea. Part 1: family Bodotriidae, subfamily Vaunthompsoniinae. *Ann. S. Afr. Mus.*, 66: 177-220.
- 359 DAY, J.A. 1978a. Southern African Cumacea. PhD thesis, University of Cape Town
- 360 DAY, J.A. 1978b. Southern African Cumacea. Part 2: family Bodotriidae, subfamily Bodotriinae. *Ann. S. Afr. Mus.*, 75: 159-290.
- 361 DAY, J.H. 1934a. On a collection of South African Polychaeta, with a catalogue of the species collected from South Africa, Angola, Mozambique and Madagascar. *J. linn. Soc. (Zool.)*, 39: 15-82.
- 362 DAY, J.H. 1934b. Report on the South African Polychaeta. *Proc. linn. Soc. Lond.*, 1934-35: 3-5.
- 363 DAY, J.H. 1951. The polychaet fauna of South Africa. Part 1. The intertidal and estuarine Polychaeta of Natal and Mocambique. *Ann. Natal Mus.*, 12: 1-67.
- 364 DAY, J.H. 1953. The polychaet fauna of South Africa. Part 2. Errant species from Cape shores and estuaries. *Ann. Natal Mus.*, 12: 397-441.
- 365 DAY, J.H. 1955. The Polychaeta of South Africa. Part 3. Sedentary species from Cape shores and estuaries. *J. linn. Soc. (Zool.)*, 42: 407-452.

- 366 DAY, J.H. 1957. The Polychaet fauna of South Africa. Part 4. New species and records from Natal and Mozambique. *Ann. Natal Mus.*, 14: 59-129.
- 367 DAY, J.H. 1959. The biology of Langebaan Lagoon: a study of the effects of shelter from wave action. *Trans. Roy. Soc. S. Afr.*, 35: 475-547.
- 368 DAY, J.H. 1962. Polychaeta from several localities in the western Indian Ocean. *Proc. zool. Soc. Lond.*, 139: 627-656.
- 369 DAY, J.H. 1967. A monograph on the Polychaeta of South Africa. British Museum, London.
- 370 DAY, J.H. 1970. The biology of False Bay, South Africa. *Trans. Roy. Soc. S. Afr.*, 39: 211-221.
- 371 DAY, J.H. 1972. Oil pollution in South African seas. *S. Afr. J. Sci.*, 68: 130-131.
- 372 DAY, J.H. 1974. A guide to marine life on South African shores. 2nd ed. A.A. Balkema, Cape Town.
- 373 DAY, J.H. 1977. Revised list of families and genera of marine and estuarine Mollusca recorded from southern Africa. *Spec. Publ. conch. Soc. sth. Afr.*, 2: 1-23.
- 374 DAY, J.H. & BARNARD, K.H. 1960. Check list of Mollusca recorded from False Bay (South Africa). *Spec. Publ. Conch. Soc. S. Afr.*, 1: 1-15.
- 375 DAY, J.H., COOK, P., ZOUTENDYK, P. & SYMONS, R. 1971. The effect of oil pollution from the tanker "Wafra" on the marine fauna of the Cape Agulhas area. *Zool. afr.*, 6: 209-219.
- 376 DAY, J.H., FIELD, J.G. & PENRITH, M.J. 1970. The benthic fauna and fishes of False Bay, South Africa. *Trans. Roy. Soc. S. Afr.*, 39: 1-108.
- 377 DAY, R.W. 1972. An investigation of small-scale species distributions with reference to sand ripples. Unpublished project, Zoology Dept., University of Cape Town.
- 378 DAY, R.W., WOODBORNE, M.W. & DE DECKER, R.H. 1985. Current and swell meter package trials in Chapman's Bay, Cape Peninsula. *JGS/UCT Tech. Rep.*, 15: 126-134.
- 379 DE MAN, J.G. 1900. Note sur une petite collection de crustacés décapodes provenant de la côte d'Angola (Afrique occidentale). *Mem. Soc. zool. Fr.*, 13: 31-64.
- 380 DE SAINT-LAURENT, P. & LE LOEUFF, P. 1979. Crustacés décapodes. Campagnes de la Calypso au large des côtes atlantiques africaines (1956 et 1959). 22: Thalassinidea. I. Upogebiidae et Callianassidae. *Ann. Inst. océanogr. Monaco*, 55 (Suppl.): 29-101.

- 381 DE VILLIERS, G. 1970. Aspekte van voorplanting by die wit sandmossel Donax serra met spesiale verwysing na voortplantingsiklus. MSc thesis, University of Stellenbosch.
- 382 DE VILLIERS, G. 1973. Voortplanting by die wit sandmossel Donax serra Roding. Onders. Verslag Tak. Seeviss. S. Afr., 102: 1-32.
- 383 DE VILLIERS, G. 1974. Groei, bevolkingsdinamika, n'grootskaalse sterfte en die rankskikking van die wit sandmossel Donax serra Roding, op strande in die Suidwes-Kaap. Onders. Verslag Tak Seeviss. S. Afr., 109: 1-30.
- 384 DE VILLIERS, G. 1975a. Reproduction of the white sand mussel Donax serra Roding. Investl Reps Sea Fish. Branch S. Afr., 102: 1-33.
- 385 DE VILLIERS, G. 1975b. Growth, population dynamics, a mass mortality and arrangement of white sand mussels, Donax serra Roding. Investl Reps Sea Fish. Branch S. Afr., 109: 1-31.
- 386 DE VILLIERS, G. 1979. Recovery of a population of white mussels Donax serra at Elands Bay, South Africa, following a mass mortality. Fish Bull. S. Afr., 12: 69-74.
- 387 DECARY, R. 1946. Animaux de Madagascar. Ann. Mus. colon. Marseille, 4: 197-222.
- 388 DECARY, R. 1950. La faune Malgache, son rôle dans les croyances et les usages indigènes. Payot, Paris.
- 389 DEGIOVANNI, C. 1973a. Sédimentologie dynamique des plages à Sidi-Ferruch (Algerie). Bull. Ass. sénégal. Etude Quat. Ouest Afr., 37-38: 9-13.
- 390 DEGIOVANNI, C. 1973b. Etude de sédimentologie dynamique à la presqu'île de Sidi-Ferruch (ouest d'Alger). These 3eme cycle, U.E.R. Sciences de la Mer, Marseille, 105pp.
- 391 DEGIOVANNI, C. & MOUEZA, M. 1972. Contribution à l'étude de la biologie de Donax trunculus L. (Mollusque Lamellibranche) dans l'Algérois: écologie en baie de Bou-Ismaïl. Tethys, 4: 729-744.
- 392 DEI, L.A. 1974. Geomorphological significance of heavy mineral deposits in sediments of the central coast area of Ghana. Bull. Ghana geogr. Ass., 16: 27-35.
- 393 DELAMARE DEBOUTTEVILLE, C. 1953a. La faune des eaux souterraines littorales des plages de Tunisie. Vie Milieu, 4: 141-170.
- 394 DELAMARE DEBOUTTEVILLE, C. 1953b. Collemboles marins de la zone humide des sables littoraux. Vie Milieu, 4: 290-319.
- 395 DELAMARE DEBOUTTEVILLE, C. 1953c. Recherches sur l'écologie et la répartition du Mystacocaride Derocheilocaris remanei Delamare et Chappuis en Méditerranée. Vie Milieu, 4: 321-380.

- 396 DELAMARE DEBOUTTEVILLE, C. 1953d. Description d'un appareil nouveau pour la capture de la faune des eaux souterraines littorales sous la mer. Premiers résultats. Vie Milieu, 4: 411-421.
- 397 DELAMARE DEBOUTTEVILLE, C. 1953e. La faune des eaux souterraines littorales en Algérie. Vie Milieu, 4: 470-503.
- 398 DELAMARE DEBOUTTEVILLE, C. 1954. L'écologie et la repartition du Mystacocaride Derocheilocaris remanei Delamare & Chappuis. Rassenga Speleol. ital., 6: 119-122.
- 399 DELAMARE DEBOUTTEVILLE, C. 1956. Recherches sur la faune interstitielle des sédiments marines et d'eau douce à Madagascar. IX. Sur la presence dans les eaux souterraines littorales de Madagascar de l'annelide polychete Pisionidens indica (Alizar et Alikunki). Mem. Inst. sci. Madagascar, 10A: 95-99.
- 400 DELAMARE DEBOUTTEVILLE, C. 1957. Sur la presence d'un Echinodère de la famille des Cateriidae Gerlach dans les eaux souterraines littorales de l'Angola. Publ. cult. Cia Diamant. Angola, 34: 33-38.
- 401 DELAMARE DEBOUTTEVILLE, C. 1960. Biologie des eaux souterraines littorales et continentales. Hermann, Paris.
- 402 DELAMARE DEBOUTTEVILLE, C. & CHAPPUIS, P.-A. 1957. Contribution a l'etude de la faune interstitielle marine des côtes d'Afrique. I. Mystacocarides, Copepodes et Isopodes. Bull. I.F.A.N., 19: 491-500.
- 403 DELAMARE DEBOUTTEVILLE, C. & DE BARROS MACHADO, A. 1954. Présence de la sous-classe des Mystacocarides (Crustacea) sur les côtes de l'Angola. Subsídios Estudo Biol. Lunda, Lisboa, (Publ. Cult. Companhia Diam. Angola) 23: 119-124.
- 404 DELAMARE DEBOUTTEVILLE, C. & PAULIAN, R. 1953. Recherches sur la faune interstitielle des sédiments marins et d'eau douce à Madagascar. I. Introduction. Mem. Inst. sci. Madagascar, 8A: 1-10.
- 405 DELAMARE DEBOUTTEVILLE, C. & PAULIAN, R. 1954. Recherches sur la faune interstitielle des sédiments marins et d'eau douce à Madagascar. V. Découverte de l'ordre des Syncarides. Description de 3 espèces nouvelles. Mem. Inst. sci. Madagascar, 9A: 75-89.
- 406 DELLA CAVE, L. 1979. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. 22. Daesiidae (Solifugae Arachnida). Monit. zool. ital. (N.S.) Suppl., 12: 17-19.
- 407 DEMBOWSKI, J. 1913. Uber den Bau der Augen von Ocypoda ceratophthalma Fabr. Zool. Jahrb. Jena, Abt. Anat., 36: 513-524.
- 408 DESHAYES, G.P. 1844. Exploration scientifique de l'Algérie. Histoire naturelle des Mollusques. 1: 1-609.

- 409 D'HONDT, J.-L. 1973. Contribution à l'étude de la microfaune interstitielle des plages de l'ouest Algérien. Vie Milieu, 23A: 227-241.
- 410 DIAW, A.T. 1981. Etude morpho-sédimentologique de l'estran sur la côte nord du Sénégal. Bull. I.F.A.N. ser. A, 43: 69-78.
- 411 DICK, W.J.A. 1975. Oxford and Cambridge Mauritanian Expedition 1973. Oxford.
- 412 DICK, W.J.A. & PIENKOWSKI, M.W. 1979. Autumn and early winter weights of waders in north west Africa. Ornis scand., 10: 117-123.
- 413 DIEUZEIDE, R., NOVELLA, M. & ROLAND, J. 1953a. Catalogue des poissons des côtes algériennes. I. Sélaciens. Bull. Stn. Aquic. Pêche Castiglione (N.S.), 4: 1-135.
- 414 DIEUZEIDE, R., NOVELLA, M. & ROLAND, J. 1953b. Catalogue des poissons des côtes algériennes. II. Ostéopterygiens. Bull. Sta. Aquic. Pêche Castiglione (N.S.), 5: 1-258.
- 415 DIEUZEIDE, R., NOVELLA, M. & ROLAND, J. 1955. Catalogue des poissons des côtes algériennes. III. Ostéopterygiens. Bull. Sta. Aquic. Pêche Castiglione (N.S.), 6: 1-381.
- 416 DIOP, E.S. 1980. Vasières à mangrove, tannes et cordons sableux des Iles du Saloum (Senegal): aspects sédimentologiques et minéralogiques. Bull. I.F.A.N. ser. A, 42: 25-69.
- 417 DO AMARAL, I. 1974. Alguns aspectos geomorfologias do litoral da ilha de Santiago (arquipelago de Cabo Verde). Garcia de Orta, Ser. Geogr., 2: 19-28.
- 418 DOLLFUSS, A. 1893. Voyage de M. Ch. Alluaud aux Iles Seychelles. Crustacés Isopodes terrestres. Bull. Soc. zool. France, 18: 186-190.
- 419 DOLLFUSS, A. 1896. Les Isopodes terrestres du Nord de l'Afrique du Cap Blanc à Tripoli (Maroc, Algérie, Tunisie, Tripolitaine). Mem. Soc. zool. Fr., 9: 523-553.
- 420 DOLLFUSS, A. 1898. Notes sur les Isopodes terrestres du Sénégal. Bull. Soc. zool. Fr., 23: 122-126.
- 421 DONNELLY, D. 1978. A description of the anatomy of the nervous system of Bullia digitalis (Dillwyn). Unpublished project, Zoology Dept., University of Cape Town.
- 422 DONNELLY, F.A. & PAMMENTER, N.W. 1983. Vegetation zonation on a Natal coastal sand dune system in relation to salt spray and soil salinity. S. Afr. J. Bot., 2: 45-51.
- 423 DOWSETT, R.J. 1980. The migration of coastal waders from the Palearctic across Africa. Gerfaut, 70: 3-35.
- 424 DRAGESCO, J. 1965. Ciliés mesopsammiques d'Afrique Noire. Cah. Biol. mar., 6: 357-399.

- 425 DU PLESSIS, D. 1961. The reaction of the isopod Eurydice longicornis (Studer) to sand of different particle size ranges. Unpublished project, Zoology Dept., University of Cape Town.
- 426 DU PREEZ, H.H. 1981. The biology of the tree-spot swimming crab Ovalipes punctatus (De Haan) (Brachyura: Portunidae) with special reference to feeding. MSc thesis, University of Port Elizabeth
- 427 DU PREEZ, H.H. 1983a. Consumption, assimilation and energy balance in the three-spot swimming crab, Ovalipes punctatus (De Haan) (Crustacea; Brachyura). In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 637-642. W. Junk, The Hague.
- 428 DU PREEZ, H.H. 1983b. The effects of temperature, season and activity on the respiration of the three spot swimming crab Ovalipes punctatus. Comp. Biochem. Physiol., 75A: 353-362.
- 429 DU PREEZ, H.H. 1984. Molluscan predation by Ovalipes punctatus (De Haan) (Crustacea: Brachyura: Portunidae). J. exp. mar. Biol. Ecol., 84: 55-71.
- 430 DU PREEZ, H.H. & McLACHLAN, A. 1983. Seasonal changes in biochemical composition and energy content of the three spot swimming crab Ovalipes punctatus (De Haan) (Crustacea; Brachyura). J. exp. mar. Biol. Ecol., 72: 189-198.
- 431 DU PREEZ, H.H. & McLACHLAN, A. 1984a. Distribution of the portunid crab Ovalipes punctatus (De Haan) in Algoa Bay and salinity and temperature tolerances of its zoeae. S. Afr. J. Zool., 19: 302-304.
- 432 DU PREEZ, H.H. & McLACHLAN, A. 1984b. Biology of the three spot swimming crab, Ovalipes punctatus (De Haan). I. Morphometrics and relative growth (Decapoda, Portunidae). Crustaceana, 47: 72-82.
- 433 DU PREEZ, H.H. & McLACHLAN, A. 1984c. Biology of the three-spot swimming crab, Ovalipes punctatus (De Haan). II. Growth and moulting. Crustaceana, 47: 113-120.
- 434 DU PREEZ, H.H. & McLACHLAN, A. 1984d. Biology of the three-spot swimming crab, Ovalipes punctatus (De Haan). III. Reproduction, fecundity and egg development. Crustaceana 47: 285-297.
- 435 DUBOIS, L. 1957. Quelques mollusques et crustacés de la côte du Congo Belge. Zooleo, 40: 3-17.
- 436 DUMON, J.-C. 1977. Recherche de l'origine des minéraux titanes des plages sénégalaises. Bull. Inst. géol. Bassin d'Aquitaine, 21: 207-231.
- 437 DUPUY, A.R. & MAIGRET, J. 1977. Les mammifères marins des côtes du Sénégal. 1. Bilan des observations signalées entre 1960 et 1967. Bull. I.F.A.N. ser. A, 38: 921-928.

- 438 DUPUY, A.R. & MAIGRET, J. 1978. Les mammifères marins des côtes du Sénégal. 2. Observations signalées en 1977. Bull. I.F.A.N. ser. A, 40: 457-465.
- 439 DUPUY, A.R. & MAIGRET, J. 1979. Les Mammifères marins des côtes du Sénégal. 3. Observations signalées en 1978. Bull. I.F.A.N. ser. A, 41: 429-439.
- 440 DUPUY, A.R. & MAIGRET, J. 1980. Les Mammifères marins des côtes du Sénégal. 4. Observations signalées en 1979. Bull. I.F.A.N. ser. A, 42: 401-409.
- 441 DUVAL, J. 1971. Etude écologique du ceratopogonide halophile Styloconops spinosifrons (Carter 1921) (Diptera) des plages de Nossi-Bé en vue d'une lutte rationnelle au moyen d'insecticide. Cah. O.R.S.T.O.M. (Ser. Ent. med. parasit.), 9: 203-220.
- 442 DUVAL, J. & RABENIRAINY, L. 1971. Données écologiques permettant d'effectuer une lutte rationnelle au moyen d'insecticide contre Styloconops spinosifrons (Ceratopogonidae) des plages de Nossi-Bé. C.r. somm. Seanc. Soc. Biol., 165: 448-451.
- 443 DYE, A.H. 1979a. Measurement of biological oxygen demand in sandy beaches. S. Afr. J. Zool., 14: 55-60.
- 444 DYE, A.H. 1979b. The effect of acute and long term temperature changes on the respiration of two sand-dwelling bivalves. Comp. Biochem. Physiol., 63A: 405-409.
- 445 DYE, A.H. 1979c. The measurement and partitioning of benthic oxygen consumption on exposed sandy beaches. PhD thesis, University of Port Elizabeth.
- 446 DYE, A.H. 1979d. Quantitative estimation of Protozoa from sandy substrates. Est. coast. mar. Sci., 8: 199-204.
- 447 DYE, A.H. 1980a. Tidal fluctuations in biological oxygen demand in exposed sandy beaches. Estuar. coast. mar. Sci., 11: 1-18.
- 448 DYE, A.H. 1980b. Aspects of the respiratory physiology of Gastrosaccus psammodytes Tattersall (Crustacea: Mysidacea). Comp. Biochem. Physiol., 65A: 187-191.
- 449 DYE, A.H. 1981. A study of benthic oxygen consumption on exposed sandy beaches. Estuar. coast. Shelf Sci., 13: 671-680.
- 450 DYE, A.H. 1983. A synopsis of community respiration studies on exposed sandy beaches. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 693-698. W. Junk, The Hague.
- 451 DYE, A.H. & MCGWYNNE, L.E. 1980. The effect of temperature and season on the respiratory rates of three psammolittoral gastropods. Comp. Biochem. Physiol., 66A: 107-111.
- 452 DYE, A.H., McLACHLAN, A. & WOOLDRIDGE, T. 1981. The ecology of sandy beaches in Natal. S. Afr. J. Zool., 16: 200-209.

E

- 453 EAGLE, G.A. 1976. Investigation of the beach around the AE&CI factory outfall, Somerset West. NRIO Rep. SEA IR 7623.
- 454 EAGLE, G.A. 1982. Sandy beaches. *Scientiae*, 23(6): 2-8.
- 455 EAGLE, G.A. 1983. The chemistry of sandy beach ecosystems - a review. In: McLACHLAN, A. & ERASMUS, T. (eds) *Sandy beaches as ecosystems*. pp. 203-224. W. Junk, The Hague.
- 456 EAGLE, G.A., BARTLETT, P.D. & HENNIG, H.F.-K.O. 1980. The second pollution monitoring survey of Hout Bay beach. CSIR Rep. T/SEA 8008.
- 457 EAGLE, G.A., FRICKE, A.H., GLEDHILL, W.J., GREENWOOD, P.J., ORREN, M.J. & MAZURE, H. 1977. Camps Bay beach, a pollution survey. *S. Afr. J. Sci.*, 73: 342-345.
- 458 EAGLE, G.A., GREENWOOD, P.G., HENNIG, H.F.-K.O. & ORREN, M.J. 1979. Preliminary pollution surveys of the south-western Cape coast. Part 1: Mossel Bay. *S. Afr. J. Sci.*, 75: 453-456.
- 459 EBBE, B. 1981. Beitrage zur Morphologie, Ultrastruktur und Funktion der Respirationsapparatus von Tylos granulatus Krauss (Isopoda, Oniscoidea). *Zool. Jb. (Anat.)*, 105: 551-570.
- 460 EDMUNDS, J. 1978. Sea shells and other molluscs found on West African shores and estuaries. Ghana Universities Press, Accra.
- 461 EDMUNDS, J. & EDMUNDS, M. 1973. Preliminary report on the mollusca of the benthic communities off Tema, Ghana. *Malacologia*, 14: 371-376.
- 462 EFFORD, I.E. 1976. Distribution of the sandy crabs in the genus Emerita (Decapoda, Hippidae). *Crustaceana*, 30: 169-183.
- 463 EHLERS, B. & EHLERS, U. 1980. Zur Systematik und geographischen Verbreitung interstitieller Turbellarien der Kanarischen Inseln. *Mikrofauna Meeresbodens*, 80: 1-23.
- 464 EHLERS, E. 1897. Zur Kenntnis der ostafrikanischer Borstenwürmer. *K. Ges. wiss. Gottingen, Nachr., Math.-Phys. Kl.*, 1: 158-176.
- 465 EL SAHN, M.A., EL-BANNA, A.A. & EL-TABEY SHEHATA, A.M. 1982. Occurrence of Vibrio parahaemolyticus in selected marine invertebrates, sediment and seawater around Alexandria, Egypt. *Can. J. Microbiol.*, 28: 1261-1264.
- 466 EL SAYED, M.K. & KHALIL, A.N. 1980. Preliminary study of the influence of biogenic clastics on the beach sands of Alexandria. *Thalassia Jugosl.*, 16: 9-15.
- 467 EL SENUSSY, M.Y. & SHATA, A.A. 1969. Geomorphology and morphopedological aspects of Umm El Rakham area (west Marsa Matruh, Egypt). *Desert Inst. Bull. U.A.R.*, 19: 31-62.

- 468 EL WAKEEL, S.K. 1964. Recent bottom sediments from the neighbourhood of Alexandria, Egypt. *Mar. Geol.*, 2: 137-146.
- 469 EL WAKEEL, S.K. & EL-SAYED, M.K. 1978. The texture, mineralogy and chemistry of bottom sediments and beach sands from the Alexandria region, Egypt. *Mar. Geol.*, 27: 137-160.
- 470 EL WAKEEL, S.K., EL-SAYED, M.K. & MAHMOUD, B. 1980. The evolution of Alexandria beaches: a preliminary study. *Thalassia Jugosl.*, 16: 1-8.
- 471 ELKAIM, B. 1963. Présence au Maroc de Talorchestia spinifera. *Bull. Soc. Sci. nat. Maroc*, 43: 169-191.
- 472 ELLERY, W.N. & SCHLEYER, M.H. 1984. Comparison of homogenisation and ultrasonication as techniques in extracting attached sedimentary bacteria. *Mar. Ecol. Prog. Ser.*, 15: 247-250.
- 473 ELLIOTT, C.C.H., WALTNER, M., UNDERHILL, L.G., PRINGLE, J.S. & DICK, W.J.A. 1976. The migration system of the curlew sandpiper Calidris ferruginea in Africa. *Ostrich*, 47: 191-213.
- 474 ELOUARD, P. & ROSSO, J.-C. 1982. Eléments de biogéographie et d'écologie des mollusques Quaternaires et actuels du Banc d'Arguin (Mauritanie). *Geobios*, 15: 105-110.
- 475 EMIG, C.C. 1971a. Lingula anatina Lamarck, während der Expedition "Meteor" 26 (1972) gefunden (Brachiopoda). *Senckenb. biol.*, 58: 101-103. [Senegal]
- 476 EMIG, C.C. 1971b. Lingula murphiana Reeve (Brachiopoda) récoltée à Madagascar. *Bull. Mus. natn. Hist. nat., Paris (Zool.)*, 309: 401-410.
- 477 EMIG, C.C. 1982. Taxonomie du genre Lingula (Brachiopodes, Inarticulés). *Bull. Mus. natn. Hist. nat., Paris*, 4e ser., sect A, 4: 337-367.
- 478 EMIG, C.C. & LE LOEUFF, P. 1976. Description de Lingula parva Smith (Brachiopoda, Inarticulata) récoltée en Côte d'Ivoire, avec quelques remarques sur l'écologie de l'espèce. *Tethys*, 8: 271-274.
- 479 EMMERSON, W.D., McLACHLAN, A., WATLING, H.R. & WATLING, R.J. 1983. Some ecological effects of two sewage outfalls in Algoa Bay. *Water SA*, 9: 23-30.
- 480 ERCOLINI, A. 1964a. Ricerche sull'orientamento astronomico di Anfipodi litorali della zona equatoriale. I. L'orientamento solare in una popolazione somala di Talorchestia martensii Weber. *Z. vergl. Physiol.*, 49: 138-171.
- 481 ERCOLINI, A. 1964b. Ricerche sull'orientamento astronomico di Anfipodi litorali della zona equatoriale. IV. Compensazione differenziale giornaliera del moto azimutale de sole in una popolazione somala di Talorchestia martensii Weber. *Redia*, 49: 119-128.

- 482 EVANS, S.M., CRAM, A., EATON, K., TORRANCE, R. & WOOD, V. 1976.
Foraging and agonistic behaviour in the ghost crab Ocypode
kuhlii de Haan. Mar. Behav. Physiol., 4: 121-135.

F

- 483 FAGE, L. 1928a. Cumacés de la côte atlantique du Maroc. Bull. Soc. Sci. nat. Maroc, 8: 173-181.
- 484 FAGE, L. 1928b. Voyage de la Goelette "Melita" au Senegal (1889-1890). Cumacés. Bull. Soc. zool. France, 53: 331-339.
- 485 FAGE, L. 1928c. La distribution géographique des Cumacés dans la zone côtière du nord-ouest Africain. C.r. Soc. Biogéogr. Paris, 5: 60-64.
- 486 FAGE, L. 1950. Sur un nouveau Cumacé de la côte occidentale d'Afrique, Eocuma cadenati n. sp. Bull. Mus. Paris, 22: 450-452.
- 487 FARROW, G.E. 1971. Back-reef and lagoonal environments of Aldabra Atoll distinguished by their crustacean burrows. Symp. Zool. Soc. Lond., 28: 455-500.
- 488 FAUVEL, P. 1902. Annelides polychètes de la Casamance rapportés par Aug. Chevalier. Bull. Soc. linn. Normandie, ser. 5, 5: 59-105.
- 489 FAUVEL, P. 1914. Annelides polychètes de San-Thome (Golfe de Guinee), recueillies par Ch. Gravier. Arch. Zool. exp. gen. Paris, 54: 105-155.
- 490 FAUVEL, P. 1919a. Annelides polychètes de Madagascar, de Djibouti et du Golfe Persique. Arch. zool. exp. gen. Paris, 58: 315-473.
- 491 FAUVEL, P. 1919b. Annelides polychètes nouvelles de l'Afrique orientale (Note 2). Bull. Mus. Paris, 1919: 33-39.
- 492 FAUVEL, P. 1921. Annelides polychètes de Madagascar. Ark. Zool. Stockholm, 13(24): 1-32.
- 493 FAUVEL, P. 1923. Sur quelques polychètes de l'Angola portugaise. Goteborg K. Vetensk. Handl., 26: 1-13.
- 494 FAUVEL, P. 1927. Polychaeta. In: MONOD, T. (ed.) Contribution à l'étude de la faune du Cameroun. Faune des Colonies Francaises, 1: 523-533.
- 495 FAUVEL, P. 1933a. Mission Robert Ph. Dollfus en Egypte. Annelides Polychètes. Mem. Inst. egypt., 21: 31-83.
- 496 FAUVEL, P. 1933b. Résumé analytique du mémoire sur les Polychètes. Bull. Inst. egypt., 15: 131-144.
- 497 FAUVEL, P. 1936. Contribution à la faune des annelides polychètes du Maroc. Mem. Soc. Sci. nat. Maroc, 43: 1-143.
- 498 FAUVEL, P. 1950. Contribution à la faune des Annelides Polychètes du Sénégal. Bull. I.F.A.N., 12: 335-394.

- 499 FAUVEL, P. 1951. Additions à la faune des Polychètes du Sénégal. Bull. I.F.A.N., 13: 312-316.
- 500 FAUVEL, P. 1953. Annelides polychètes non pélagiques. Exped. oceanogr. Belge Eaux côtières afric. Atlant. Sud, 1948-1949, 4(4): 1-56.
- 501 FAUVEL, P. & RULLIER, F. 1957a. Nouvelle contribution à la faune des Annelides polychètes du Sénégal. Première partie. Bull. I.F.A.N. ser. A, 19: 24-96.
- 502 FAUVEL, P. & RULLIER, F. 1957b. Nouvelle contribution à la faune des annelides polychètes du Sénégal. Deuxième partie. Bull. I.F.A.N. ser. A, 19: 373-399.
- 503 FAUVEL, P. & RULLIER, F. 1959a. Campagne 1956 dans le Golfe de Guinée et aux Iles Principe, Sao Tome et Annobon. 6. Annelides polychètes. Ann. Inst. océanogr. Paris, N.S., 37: 143-205.
- 504 FAUVEL, P. & RULLIER, F. 1959b. Contribution à la faune des annelides polychètes du Sénégal et de Mauritanie. Deuxième partie. Bull. I.F.A.N. ser. A, 21: 934-987.
- 505 FAUVEL, P. & RULLIER, F. 1959c. Contribution à la faune des annelides polychètes du Sénégal et de Mauritanie. Première partie. Bull. I.F.A.N. ser. A, 21: 477-533.
- 506 FERRARA, F. 1974. Researches on the coast of Somalia. The shore and the dune of Sar Uanie. 3: Terrestrial isopods. Monit. zool. ital. (N.S.) Suppl., 5: 191-220.
- 507 FERRARA, F. & TAITI, S. 1979. A check-list of terrestrial isopods from Africa (south of the Sahara). Monit. zool. ital. (N.S.) Suppl., 12: 89-215.
- 508 FERREIRA, J.M. 1958. Foraminiferos actuais de Cabo Verde. Mem. Jta Inv. Ultramar, Lisboa, 4: 223-238.
- 509 FIELD, J.G. 1971. A numerical analysis of changes in the soft-bottom fauna along a transect across False Bay, South Africa. J. exp. mar. Biol. Ecol., 7: 215-253.
- 510 FISCHER, P.H. 1946. Sur les mollusques littoraux des Iles Canaries. Mem. Soc. Biogeogr. Paris, 8: 279-284.
- 511 FISCHER, W. 1914. Gephyrea. In: Beitrage zur Kenntnis der Meeresfauna Westafrikas. W. Michaelsen, Hamburg, 1: 57-84.
- 512 FISCHER, W. 1923. Zwei Sipunculiden des Kapgebietes nebst einer Zusammenstellung der bekannten Arten dieses Gebietes und ihrer faunistischen Beziehungen zur Ost- und Westküste. Goteborg Vetensk. Handl. F4, 25: 1-8.
- 513 FISCHER-PIETTE, E. 1957. Sur un Donax récolté par M. Sourie au Sénégal. J. conchyliol. Paris, 97: 63-66.
- 514 FISCHER-PIETTE, E. & NICKLES, M. 1946. Mollusques nouveaux et peu connus des côtes de l'Afrique occidentale. J. conchyliol., Paris, 87: 45-82.

- 515 FISHELSON, L. 1971. Ecology and distribution of the benthic fauna in the shallow waters of the Red Sea. *Mar. Biol.*, 10: 113-133.
- 516 FISHELSON, L. 1983. Population ecology and biology of Dotilla sulcata (Crustacea: Ocypodidae) typical for sandy beaches of the Red Sea. In: McLACHLAN, A. & ERASMUS, T. (eds) *Sandy beaches as ecosystems*. pp. 643-654. W. Junk, The Hague.
- 517 FISHELSON, L. & RULLIER, F. 1969. Quelques annelides polychètes de la Mer Rouge. *Israel J. Zool.*, 18: 49-117.
- 518 FLEMMING, B.W. 1976a. Construction and calibration of an automatically recording settling tube system for the hydraulic grain size analysis of sands. *JGS/UCT Tech. Rep.*, 8: 47-59.
- 519 FLEMMING, B.W. 1976b. Underwater sand dunes along the southeast African continental margin - observations and implications. *JGS/UCT Tech. Rep.*, 8: 35-46.
- 520 FLEMMING, B.W. 1977a. Depositional processes in Saldanha Bay and Langebaan Lagoon. *C.S.I.R. Res. Rep. 362*, C.S.I.R., Stellenbosch.
- 521 FLEMMING, B.W. 1977b. Distribution of recent sediments in Saldanha Bay and Langebaan Lagoon. *Trans. Roy. Soc. S. Afr.*, 42: 317-340.
- 522 FLEMMING, B.W. 1977c. Depositional processes in Saldanha Bay and Langebaan Lagoon. PhD thesis, University of Cape Town.
- 523 FLEMMING, B.W. 1978. Underwater sand dunes along the southeast African continental margin - observations and implications. *Mar. Geol.*, 26: 177-198.
- 524 FLEMMING, B.W. & FRICKE, A.H. 1983. Beach and nearshore habitats as a function of internal geometry, primary sedimentary structures and grain size. In: McLACHLAN, A. & ERASMUS, T. (eds) *Sandy beaches as ecosystems*. pp. 115-132. W. Junk, The Hague.
- 525 FLEMMING, B.W. & THUM, A.B. 1978. The settling tube - a hydraulic method for grain size analysis of sands. *Kieler Meeresforsch., Sonderh.*, 4: 82-95.
- 526 FOGED, N. 1975. Some littoral diatoms from the coast of Tanzania. *Bibl. Phycol.*, 16: 12.
- 527 FONT Y SAGUE, N. 1904. Moluscos recogidos en Rio de Oro (Sahara español). *Bol. Soc. espan.*, 3: 209-211.
- 528 FORCART, L. 1961. Spedizione biologica in Somalia dell'Universita di Firenze, 1959. Risultati zoologici. V, Mollusca. *Monit. zool. ital.*, 69: 39-45.
- 529 FOREST, J. & GUINOT, D. 1966. Campagne de la Calypso dans le golfe de Guinée et aux îles Principe, Sao Tome et Annobon. 16. Crustacés décapodes: Brachyours. *Ann. Inst. océanogr. Monaco*, 44: 23-124.

- 530 FOURMANOIR, P. 1954. Crabes de la côte ouest de Madagascar. Nat. malgache, 6: 1-16.
- 531 FOWLER, H.W. 1936. The marine fishes of West Africa, based on the collection of the American Museum Congo Expedition, 1909-1915. Parts I and II. Bull. Amer. Mus. Nat. Hist., 70: 1-1493.
- 532 FRANCA, M.L.P. 1955a. Contribucao para o conhecimento da fauna malacologia de Angola. Moluscos bivalves. Trab. Miss. Biol. mar., Lisboa.
- 533 FRANCA, M.L.P. 1955b. Contribucao para o conhecimento da fauna malacologia de Angola. Gasteropodes testaceos. Trab. Miss. Biol. mar., Lisboa.
- 534 FRANCA, M.L.P. 1960a. Contribucao para o conhecimento da fauna malacologia de Angola (Terceria nota). Mem. Jta Inv., Lisboa (2), 15: 7-40.
- 535 FRANCA, M.L.P. 1960b. Sobre una colecao malacologica recolhida na Ilha da Inhaca (Mocambique). Mem. Jta Inv., Lisboa (2), 15: 41-101.
- 536 FRANCIS-BOEUF, C. & ROMANOVSKY, V. 1946. Les dépôts fluvio-marins entre le Rio Pongo et le Rio Nunez (côte de la Guinée française). C.r. Soc. géol. France, 141: 291-293.
- 537 FRANCOIS, F. 1964. Récoltes de M.A. Villiers dans les dunes côtières du Sénégal (1961). Diptères Bombyliidae. Bull. I.F.A.N. ser. A, 26: 924-943.
- 538 FRANKLIN, H. 1983. The ecology of dune slacks. Unpublished project, Department of Plant Sciences, Rhodes University, Grahamstown.
- 539 FRAZIER, J. 1971. Observations on sea turtles at Aldabra Atoll. Phil. Trans. Roy. Soc. Lond. B, 260: 373-410.
- 540 FRENKIEL, L. 1980. Les organes sensoriels chez les Lamellibranches. Ann. Biol., 19: 147-162.
- 541 FRENKIEL, L. 1982. L'organe sensoriel du muscle cruciforme des Tellinacea (Mollusques Lamellibranches), structure-ontogénèse-rôle. Thèse de Docteur en Sciences Naturelles, Université de Paris 6.
- 542 FRENKIEL, L. & MOUEZA, M. 1977. Le fonctionnement du muscle cruciforme des Tellinacea. J. moll. Stud., 43: 189-191.
- 543 FRICKE, A.H. 1980. Meiofauna extraction efficiency by a modified Oostenbrinck apparatus. Helgolander wiss. Meeresunters., 32: 436-443.
- 544 FRICKE, A.H., EAGLE, G.A., BARTLETT, P.D. & HENNIG, H.F.-K.O. 1981. Mossel Bay: a follow-up pollution survey. CSIR Rep. T/SEA 8101.

- 545 FRICKE, A.H., EAGLE, G.A., GLEDHILL, W.J., GREENWOOD, P.J. & ORREN, M.J. 1979. Preliminary pollution surveys around the south-western Cape coast. Part 3: Hout Bay. *S. Afr. J. Sci.*, 75: 459-461.
- 546 FRICKE, A.H. & FLEMMING, B.W. 1983. Selective microhabitat colonization by interstitial meiofauna as a function of grain size. In: McLACHLAN, A. & ERASMUS, T. (eds) *Sandy beaches as ecosystems*. pp. 421-431. W. Junk, The Hague.
- 547 FRICKE, A.H., HENNIG, H.F.-K.O. & ORREN, M.J. 1981. Relationship between oil pollution and psammolittoral meiofauna density of two South African beaches. *Mar. environ. Res.*, 5: 59-77.
- 548 FROST, P.G.H. & JOHNSON, P. 1977. Seabirds on the Diamond Coast, South West Africa, December 1976. *Cormorant*, 2: 3-4.
- 549 FRYER, G. 1956. XXVII. New species of cyclopoid and harpacticoid copepods from sandy beaches of Lake Nyasa. *Ann. Mag. nat. Hist.*, 9: 225-242.
- 550 FULLER, A.O. 1961. Size distribution characteristics of shallow marine sands from the Cape of Good Hope, South Africa. *J. sed. Petrol.*, 31: 256-261.
- 551 FULLER, A.O. 1962. Systematic fractionation of sand in the shallow marine and beach environment of the South African coast. *J. sed. Petrol.*, 32: 602-606.
- 552 FURSCH, H. 1978. Forschungen an der Somalilandküste. Am Strand und auf den Dünen bei Sar Uanle. 20. Coccinellidae (Coleoptera). *Monit. zool. ital. (N.S.) Suppl.*, 11: 265-269.
- 553 FURSTENBERG, J.P. & DE WET, A.G. 1982. A comparison of two extractors for separating meiobenthic nematodes from fine-grained sediments. *S. Afr. J. Zool.*, 17: 41-43.
- 554 FURSTENBERG, J.P., DYE, A.H. & DE WET, A.G. 1978. Quantitative extraction of meiofauna. A comparison of two methods. *Zool. afr.*, 13: 175-186.

G

- 555 GALLIERS, J.A. 1968. Barrier beaches and lagoons of the Ghana coast. In: Geomorphology in a tropical environment. Brit. Geomorphol. Res. Group, Occ. Pap., 5: 77-87.
- 556 GALLOW, M.A. 1980. Stabilization of coastlines using crenulate shaped waves. Unpublished project, Civil Engineering Dept., University of Cape Town.
- 557 GARDNER, B.D., CONNELL, A.D., EAGLE, G.A., MOLDAN, A.G.S., OLIFF, W.D., ORREN, M.J. & WATLING, R.S. 1983. South African marine pollution survey report 1976-1979. S. Afr. natl. sci. Prog. Rep., 73: 1-105.
- 558 GAUDENCIO, M.J. & GUERRA, M.T. 1980. Crustacés décapodes de la côte de l'Angola. Bolm Soc. port. Cienc. nat., 20: 41-62.
- 559 GAULD, D.T. 1960a. An annotated check-list of the Crustacea of Ghana. III.- Decapoda Anomura. J. W. Afr. Sci. Ass., 6: 64-67.
- 560 GAULD, D.T. 1960b. An annotated check-list of the Crustacea of Ghana. IV.- Brachyura. J. W. Afr. Sci. Ass., 6: 68-72.
- 561 GAULD, D.T. & BUCHANAN, J.B. 1956. The fauna of sandy beaches in the Gold Coast. Oikos, 7: 293-301.
- 562 GAYRAL, P. & CAURO, R. 1958. Observations sur les variations morphologiques et floristiques d'une zone côtière adjacente a l'estuaire du Bou Regreg (rive gauche). Bull. Soc. Sci. nat. phys. Maroc, 38: 59-70. [Morocco]
- 563 GERLACH, S.A. 1953a. Gastrotrichen aus dem Kustengrundwasser des Mittelmeeres. Zool. Anz., 150: 203-211.
- 564 GERLACH, S.A. 1953b. Sur quelques nematodes libres des eaux souterraines littorales de Madagascar. Mem. Inst. sci. Madagascar, 8: 73-86.
- 565 GERLACH, S.A. 1953c. Nematodes marins libres des eaux souterraines littorales de Tunisie et d'Algérie. Vie Milieu, 4: 221-237.
- 566 GERLACH, S.A. 1957. Marine Nematoden von der Kongo-Mundung. Bull. Inst. Sci. nat. Belg., 33: 1-16.
- 567 GERLACH, S.A. 1958. Deuxième contribution à la faune des nematodes des eaux interstitielles littorales de Madagascar. Mem. Inst. sci. Madagascar, Ser. F., Oceanogr., 2: 343-365.
- 568 GIBBONS, J.S. 1878. Notes on Bullia rhodostoma Gray. J. Conch. Lond., 1: 368-369.
- 569 GIBSON, T.S.H. 1979. Green turtle (Chelonia mydas (L.)) nesting activity at Aldabra Atoll. Phil. Trans. Roy. Soc. Lond. B, 286: 255-263.

- 570 GIESS, W. 1968. A short report on the vegetation of the Namib coastal area from Swakopmund to Cape Frio. *Sci. Pap. Namib Desert Sta.*, 1968: 13-29.
- 571 GIFFEN, M.H. 1971. Marine littoral diatoms from the Gordon's Bay region of False Bay, Cape Province, South Africa. *Bot. mar. (Suppl.)*, 14: 1-16.
- 572 GILCHRIST, J.D.F. 1916. Observations on South African marine invertebrates. *Mar. biol. Rep. S. Afr.*, 3: 39-47.
- 573 GILCHRIST, J.D.F. 1920. Note on the shells of Schizodesma spengleri Linn. *Trans Roy. Soc. S. Afr.*, 8: 145-147.
- 574 GIORDANI SOIKA, A. 1954. Ecologia, sistematica, biogeografia ed evoluzione del Tylos latreilli Auct. (Isop. Tylidae). *Boll. Mus. civ. Stor. nat. Venezia*, 7: 63-83.
- 575 GIORDANI SOIKA, A. 1955. Ethologie, écologie, systématique et biogéographie des Eurydice s. str. (Isop., Cirolanides). *Vie Milieu*, 6: 38-52.
- 576 GIORDANI SOIKA, A. 1962. Influenza di fattori paleografici e paleoclimatici sul popolamento delle spiagge mediterranee. *Publ. Staz. zool. Napoli (Suppl.)*, 32: 145-149.
- 577 GOHAR, H.A.F. & MAZHAR, F.M. 1964. The elasmobranchs of the north-western Red Sea. *Publ. mar. biol. Sta. Ghardaqa*, 13: 1-144.
- 578 GOLOMBICK, T. & BROWN, A.C. 1980. Effects of phenol on oxygen consumption in the whelk Bullia digitalis (Dillwyn). *S. Afr. J. Sci.*, 76: 375.
- 579 GOSSELCK, F. 1975. The distribution of Branchiostoma senegalense (Acrania, Branchiostomidae) in the off-shore shelf region off Northwest Africa. *Int. Revue ges. Hydrobiol.*, 60: 199-207.
- 580 GOSSELCK, F. 1977. On the occurrence and diurnal rhythm of Eurydice truncata (Isopoda) off Mauretania. *ICES Publs-CM K*, 36: 1-4.
- 581 GOSSELCK, F., KELL, V. & SPITTLER, P. 1978. On the feeding of Branchiostoma senegalense (Acrania: Branchiostomatidae). *Mar. Biol.*, 46: 175-179.
- 582 GOSSELCK, F. & SPITTLER, P. 1979. Age structure, growth and weight of Branchiostoma senegalense (Acrania, Branchiostomidae) off north-west Africa. *Int. Revue ges. Hydrobiol.*, 64: 541-550.
- 583 GOUDIE, A. 1970. Notes on some major dune types in southern Africa. *S. Afr. Geogr. J.*, 52: 93-101.
- 584 GRAVIER, C. 1899. Contribution à l'étude des annelides polychètes de la Mer Rouge. *Bull. Mus. Paris*, 1899: 234-244.

- 585 GRAVIER, C. 1900. Contribution à l'étude des annelides polychètes de la Mer Rouge. Première partie. Arch. Mus. Paris, 2: 137-282.
- 586 GRAVIER, C. 1906. Contribution à l'étude des annelides polychètes de la Mer Rouge. Nouv. Arch. Mus. Hist. nat., Paris (Ser. 4), 8: 123-272.
- 587 GRAVIER, C. 1908. Contribution à l'étude des annelides polychètes de la Mer Rouge (suite). Nouv. Arch. Mus. Hist. nat., Paris (Ser. 4), 10: 67-168.
- 588 GRAVIER, C. 1923. Observations sur la locomotion chez l'Ocypode chevalier (Ocypoda hippeus Olivier). Ann. Sci. nat. Ser. Bot. Zool. (10), 5: 119-124.
- 589 GREEN, L.G. 1958. South African beachcomber. Howard Timmins, Cape Town.
- 590 GRIFFITHS, C.L. 1974. The gammaridean and caprellid Amphipoda of southern Africa. PhD thesis, University of Cape Town.
- 591 GRIFFITHS, C.L. 1975. The Amphipoda of southern Africa. Part 5. The Gammaridea and Caprellidea of the Cape Province west of Cape Agulhas. Ann. S. Afr. Mus., 67: 91-181.
- 592 GRIFFITHS, C.L. 1976. Guide to the benthic marine amphipods of southern Africa. South African Museum, Cape Town.
- 593 GRIFFITHS, C.L. & STENTON-DOZEY, J. 1981. The fauna and rate of degradation of stranded kelp. Est. coast. Shelf Sci., 12: 645-653.
- 594 GRIFFITHS, C.L., STENTON-DOZEY, J. & KOOP, K. 1983. Kelp wrack and the flow of energy through a sandy beach ecosystem. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 547-556. W. Junk, The Hague.
- 595 GRINDLEY, J.R. & NEL, E. 1968. Mussel poisoning and shellfish mortality on the west coast of South Africa. S. Afr. J. Sci., 64: 420-422.
- 596 GRINDLEY, J.R. & NEL, E.A. 1972. Red water and mussel poisoning at Elands Bay, December 1966. Fish. Bull. S. Afr., 6: 36-55.
- 597 GRINDLEY, J.R. & SAPIEKA, N. 1969. The cause of mussel poisoning in South Africa. S. Afr. med. J., 43: 275-279.
- 598 GRINDLEY, J.R. & TAYLOR, F.J.R. 1970. Factors affecting plankton blooms in False Bay. Trans. Roy. Soc. S. Afr., 39: 201-210.
- 599 GROSSER, Y., BROWN, A.C. & LAMORAL, B. 1968. Function of the septal pouches in the sandy-beach blood-worm Arenicola loveni (Polychaeta). S. Afr. med. J., 42: 116.

- 600 GROTANELLI, V. 1955. Pescatori dell'Oceano Indiano. Saggio etnologico preliminare sui Bagiuni, Bantu costieri dell'Oltregiuba. Cremonese, Roma.
- 601 GROWENOR, C.P. 1985. Chattermarked garnets found in soil profiles and beach environments. *Sedimentology*, 32: 295-306. [South Africa, Namibia, Egypt]
- 602 GRUBB, P. 1971. Ecology of terrestrial decapod crustaceans on Aldabra. *Phil. Trans. Roy. Soc. (B)*, 260: 411-416.
- 603 GRUVEL, A. 1908. Les pêcheries des côtes du Sénégal et des rivières du sud. Challamel, Paris.
- 604 GRZYBOWSKI, K. 1979. La zone littorale Atlantique à Moanda (Zaire Occidental). *Africana Bull.*, 28: 83-119.
- 605 GUERRA, A.T. 1951. Litoral da Africa ocidental. *Bol. Carioca Geogr.*, 3(2-3): 5-12.
- 606 GUILCHER, A. 1954a. Présence de crêtes et sillons obliques sur la plage de la Langue de Barbarie (Sénégal). *C.r. Soc. geol. Fr.*, 9-10: 201-202.
- 607 GUILCHER, A. 1954b. Morphologie littorale du calcaire en Méditerranée occidentale (Catalogne et environs d'Alger). *Bull. Ass. Geogr. franc.*, 241/242: 50-58.
- 608 GUILCHER, A. 1959. Coastal sand ridges and marshes and their continental environment near Grand Popo and Ouidah (Dahomey). *Proceedings of the 2nd Coastal Geography Conference*, pp. 189-212. Coastal Studies Institute, Louisiana State University.
- 609 GUILCHER, A. 1978. Observations comparatives sur un complexe littoral de la côte atlantique africaine. *Norois*, 25: 551-556. (Nigeria).
- 610 GUILCHER, A. & JOLY, P. 1954. Recherches sur la morphologie de la côte atlantique du Maroc. *Trav. Inst. sci. cherif. (Geol. geogr. phys.)*, 2: 1-14.
- 611 GUILCHER, A., MEDEIROS, C.A., DE MATOS, J.E. & DE OLIVEIRA, J.T. 1974. Les restingas (flèches littorales) d'Angola, spécialement celles du sud et du centre. *Finisterra*, 9: 171-211.
- 612 GUILCHER, A. & NICOLAS, J.-P. 1954. Observations sur la langue de Barbarie et les bras du Sénégal, aux environs de Saint-Louis. *Bull. Inf. C.L.O.E.C.*, 6: 227-241.
- 613 GUINOT, D. 1964. Sur une collection de Crustacés Decapodes Brachyours de Mer Rouge et de Somalie. *Boll. Mus. Stor. nat. Venezia*, 15: 7-63.
- 614 GUINOT, D. & RIBEIRO, A. 1962. Sur une collection de crustacés brachyours des Iles du Cap-Vert et de l'Angola. *Mem. Jta Invest. Ultramar*, ser. 2, 40: 9-89.

- 615** GUY, A. 1964. Contribution à l'étude des annelides polychètes de la Côte d'Ivoire. Rec. Trav. Sta. mar. Endoume, 34: 167-210.

H

- 616 HALL, K.R.L. 1959. Observations on the nest-sites and nesting behaviour of the black oystercatcher Haematopus moquini in the Cape Peninsula. *Ostrich*, 30: 143-154.
- 617 HANEKOM, N. 1975. A study of Donax serra in the eastern Cape. MSc thesis, University of Port Elizabeth.
- 618 HARPER, F.J. 1949. Concerning Terebra micans. *Nigerian Field*, 14: 167-168.
- 619 HARRIS, S.A. 1984a. Utilization of algal material by the sandy beach whelk Bullia digitalis (Dillwyn). Unpublished project, Zoology Department, University of Cape Town.
- 620 HARRIS, S.A. 1984b. An assessment of the role of the sand shark Rhinobatus annulatus as a predator in Langebaan Lagoon. Unpublished project, Zoology Department, University of Cape Town.
- 621 HARTE, J.M. & PAMMENTER, N.W. 1983. Leaf nutrient content in relation to senescence in the coastal sand dune pioneer Scaveola thunbergii Eckl and Zehy. *S. Afr. J. Sci.*, 79: 420-423.
- 622 HARTMANN, G. 1954. Ostracodes des eaux souterraines littorales de la Méditerranée et de Majorque. *Vie Milieu*, 4: 238-253.
- 623 HARTMANN-SCHRODER, G. 1960. Polychaeten aus dem Roten Meer. *Keil. Meeresforsch.*, 16: 69-125.
- 624 HARTMANN-SCHRODER, G. 1970. Zur Kenntnis der Pisioniden (Polychaeta) von Sudafrika. (Mit Hinweisen auf die Entwicklung der Genitalorgane). *Abh. Verh. Naturwiss. Ver. Hamburg*, 14: 55-70.
- 625 HARTMANN-SCHRODER, G. 1974a. Weitere Polychaeten von Ostafrika (Mocambique und Tansania). *Mitt. Hamburg. Zool. Mus. Inst.*, 71: 23-33.
- 626 HARTMANN-SCHRODER, G. 1974b. Zur Polychaetenfauna von Natal (Sudafrika) (mit Beobachtungen zur Zoogeographie und Ökologie). *J. mar. biol. Ass. India*, 16: 540-582.
- 627 HARTMANN-SCHRODER, G. 1974c. Zur Polychaetenfauna von Natal (Sudafrika). *Mitt. Hamburg. Zool. Mus. Inst.*, 71: 35-73.
- 628 HARTMANN-SCHRODER, G. & HARTMAN, G. 1974. Zur Kenntnis des Eulitorals der Afrikanischen Westküste zwischen Angola und Kap der Guten Hoffnung und der Afrikanischen Ostküste von Sudafrika und Mozambique unter besonderer Berücksichtigung der Polychaeten und Ostracoden. *Mitt. Hamb. zool. Mus. Inst.*, 69(Suppl.),: 1-520.

- 629 HARTNOLL, R.G. 1973. Factors affecting the distribution and behaviour of the crab Dotilla fenestrata on East African shores. Est. coast. mar. Sci., 1: 137-152.
- 630 HARTNOLL, R.G. 1975. The Grapsidae and Ocypodidae (Decapoda; Brachyura) of Tanzania. J. Zool., Lond., 177: 305-328.
- 631 HARTY, B. & McLACHLAN, A. 1982. Effects of water-soluble fractions of crude oil and dispersants on nitrate generation by sandy beach microfauna. Mar. Pollut. Bull., 13: 287-291.
- 632 HEIDEN, H. & KOLBE, R.W. 1928. Die marinen Diatomeen der Deutschen Sudpolar Expedition 1901-1903. Deut. Sudpol. Exped., 8: 450-715. [Cape Verde Is.]
- 633 HENNESSY, E.P. 1975. Dune vegetation in Natal. Pk. Adm. Johannesburg, 28: 19-23.
- 634 HENNIG, H.F.-K.O. 1979. Quantitative analysis of residual fuel oil in sediment samples by absorption spectrophotometry. Mar. Pollut. Bull., 10: 234-237.
- 635 HENNIG, H.F.-K.O., EAGLE, G.A., FIEDLER, L., FRICKE, A.H., GLEDHILL, W.J., GREENWOOD, P.J. & ORREN, M.J. 1981. Ratio and population density of psammolittoral meiofauna as a perturbation indicator of sandy beaches in South Africa. Environ. Monit. Assess., 3: 45-60.
- 636 HENNIG, H.F.-K.O. & FRICKE, A.H. 1980. Recovery potential and chronic oil pollution on the South African coast. Mar. Pollut. Bull., 11: 301-302.
- 637 HENNIG, H.F.-K.O., FRICKE, A.H., GREENWOOD, P.J. & EAGLE, G.A. 1982. Relationships between meiofaunal population densities and physicochemical properties of unpolluted sandy beaches. Environ. Monit. Assess., 1: 337-344.
- 638 HENNIG, H.F.-K.O., FRICKE, A.H. & MARTIN, C.T. 1983. The effect of meiofauna and bacteria on nutrient cycles in sandy beaches. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 235-247. W. Junk, The Hague.
- 639 HERBST, H.V. 1964. Cyclopoida Gnathostoma (Crustacea Copepoda) aus dem Litoral und Kustengrundwasser des Roten Meeres. Kieler Meeresforsch., 20: 155-169.
- 640 HERNANDEZ-PACHECO, F. 1946. Fases de formacion de los medanos en las playas de Cabo Juby. Bol. Soc. espan. Hist. nat., 44: 239-242.
- 641 HERUBEL, M.A. 1924. Quelques echiurides et sipunculides des côtes du Maroc et de Mauritanie. Bull. Soc. Sci. nat. Maroc, 4: 108-112.
- 642 HERUBEL, M.A. 1925. Quelques echiurides et sipunculides des côtes du Maroc. Bull. Soc. Sci. nat. Maroc, 5: 206-263.
- 643 HESSLER, R.R. 1972. New species of Mystacocarida from Africa. Crustaceana, 22: 259-273.

- 644 HEYDORN, A.E.F. 1978. Coastal zone management and conservation. *Ocean Mgmt.*, 4: 303-317.
- 645 HEYDORN, A.E.F. & TINLEY, K.L. 1980. Estuaries of the Cape. Part 1. Synopsis of the Cape coast. Natural features, dynamics and utilization. *Coun. sci. indust. Res. Rep.*, 380: 1-97.
- 646 HEYDORN, A.F.P.J. 1975. Plant succession on the sea dunes of Betty's Bay. *Veld Flora*, 61: 26-29.
- 647 HIDALGO, J.G. 1910. Moluscos de la Guinea Espanola. *Mem. Soc. espan. Hist. nat.*, 1: 507-524, 555-558.
- 648 HIGAZY, R.A. & NAGUIB, A.G. 1958. A study of the Egyptian monazite bearing black sands. *Proc. 2nd int. Conf. peaceful Uses Atomic Energy, Geneva*, 1: 658-612.
- 649 HILGENDORF, F. 1869. Ubersicht der ostafrikanischen Crustaceen. In: VON DER DECKEN, C.C. (ed.) *Baron Carl Claus von der Decken's Reisen in Ostafrika in 1859-61. Vol. 3. Leipzig and Heidelberg.*
- 650 HILGENDORF, F. 1879. Die von Hrn W. Peters in Mocambique gesammelten Crustaceen. *Monatsber. Kon. Preuss. Ak. Wiss. Berlin*, 1878: 782-851.
- 651 HILLARY, O.M. 1947. The plant ecology of the coast dunes at Tongaat Beach, Natal. MSc thesis, University of Natal.
- 652 HILMY, M.E. 1951. Beach sands of Mediterranean coast of Egypt. *J. sed. Petrol.*, 21: 109-120.
- 653 HOCKEY, P.A.R. 1981. Feeding techniques of the African black oystercatcher Haematopus moquini. In: COOPER, J. (ed.) *Proceedings of the symposium on birds of the sea and shore, 1979. pp. 99-115. African Seabird Group, Cape Town.*
- 654 HOCKEY, P.A.R. 1982a. Adaptiveness of nest site selection and egg coloration in the African black oystercatcher Haematopus moquini. *Behav. Ecol. Sociobiol.*, 11: 117-123.
- 655 HOCKEY, P.A.R. 1982b. Waders (Charadrii) and other coastal birds in the Luderitz region of South West Africa. *Madoqua*, 13: 27-33.
- 656 HOCKEY, P.A.R. 1983a. The distribution, population size, movements and conservation of the African black oystercatcher Haematopus moquini. *Biol. Conserv.*, 25: 233-262.
- 657 HOCKEY, P.A.R. 1983b. Ecology of the African black oystercatcher Haematopus moquini. PhD thesis, University of Cape Town.
- 658 HOCKEY, P.A.R. 1984. Growth and energetics of the African black oystercatcher Haematopus moquini. *Ardea*, 72: 111-117.

- 659 HOCKEY, P.A.R. & COOPER, J. 1980. Paralytic shellfish poisoning - a controlling factor in black oystercatcher populations? *Ostrich*, 51: 188-190.
- 660 HOCKEY, P.A.R., SIEGFRIED, W.R., CROWE, A.A. & COOPER, J. 1983. Ecological structure and energy requirements of the sandy beach avifauna of southern Africa. In: McLACHLAN, A. & ERASMUS, T. (eds) *Sandy beaches as ecosystems*. pp. 507-521. W. Junk, The Hague.
- 661 HODGSON, A.N. 1982. Studies on wound healing and regeneration of the siphons of the bivalve Donax serra (Roding). *Trans. Roy. Soc. S. Afr.*, 44: 489-498.
- 662 HODGSON, A.N., CROSS, R.H.M. & FIELDER, L.F. 1983. The structure and distribution of stacked plates in the siphon wall of Donax sordidus and Solen capensis (Mollusca: Bivalvia). *Micron*, 14: 141-146.
- 663 HODGSON, A.N. & FIELDER, L.J. 1984. The structure and distribution of peripheral ciliated receptors in the bivalve mollusks Donax serra and Donax sordidus. *J. moll. Stud.*, 50: 104-112.
- 664 HOGUE, C.L. & BRIGHT, D.B. 1971. Observations on the biology of land crabs and their burrow associates on the Kenya coast. *Contr. Sci.*, 210: 1-10.
- 665 HOLDICH, D.M. & JONES, D.A. 1973. The systematics and ecology of a new genus of sand beach isopod (Sphaeromatidae) from Kenya. *J. Zool., Lond.*, 171: 385-395.
- 666 HORSTMAN, D.A. 1981. Reported red-water outbreaks and their effects on fauna of the west and south coasts of South Africa, 1959-1980. *Fish. Bull. S. Afr.*, 15: 71-88.
- 667 HOYT, J.H. 1966. Air and sand movements to the lee of dunes. *Sedimentology*, 7: 137-143.
- 668 HUGHES, D.A. 1966. Behavioural and ecological investigations of the crab Ocypode ceratophthalma (Crustacea: Ocypodidae). *J. Zool., Lond.*, 150: 129-143.
- 669 HUGHES, D.A. 1973. On mating and the "copulation burrows" of crabs of the genus Ocypode (Decapoda, Brachyura). *Crustaceana*, 24: 72-76.
- 670 HUGHES, G.R. 1973. The sea turtles of south east Africa. PhD thesis, University of Natal, Durban.
- 671 HUGHES, G.R. 1974a. The sea turtles of south east Africa, 1: Status, morphology and distribution. *Invest. Rep. oceanogr. Res. Inst.*, 34: 1-144.
- 672 HUGHES, G.R. 1974b. The sea turtles of south east Africa, 2: The biology of the Tongoland loggerhead turtle Caretta caretta L., with comments on the leatherback turtle Dermochelys coriacea L. and the green turtle Chelonia mydas L. in the study region. *Invest. Rep. oceanogr. Res. Inst.*, 36: 1-96.

- 673 HUGHES, R.N. & GAMBLE, J.C. 1977. A quantitative survey of the biota of intertidal soft substrata on Aldabra Atoll, Indian Ocean. *Phil. Trans. Roy. Soc. B*, 279: 327-355.
- 674 HULINGS, N.C. 1971a. A comparative study of the sand beach meiofauna of Lebanon, Tunisia and Morocco. *Thalassia Jugosl.*, 7: 117-122.
- 675 HULINGS, N.C. 1971b. A quantitative study of the sand beach meiofauna in Tunisia. *Bull. Inst. natl. scient. Tech. Oceanogr. Peche, Salammbou*, 2: 237-256.
- 676 HULINGS, N.C. & GRAY, J.S. 1976. Physical factors controlling abundance of meiofauna on tidal and atidal beaches. *Mar. Biol.*, 34: 77-83.
- 677 HUMES, A.G. & CRESSEY, R.F. 1958. Copepod parasites of mollusks in West Africa. *Bull. I.F.A.N. ser. A*, 20: 921-960.
- 678 HUMPHREYS, W.F. 1981. The echinoderms of Kenya's marine parks and adjacent regions. *Doc. zool. Mus. Roy. Afr. Cent.*, 19: 1-39.
- 679 HUREAU, J.C. & MONOD, T. 1973. Checklist of the fishes of the north-eastern Atlantic and of the Mediterranean. Unesco, Paris.
- 680 HUTCHINGS, L., NELSON, G., HORSTMAN, D.A. & TARR, R. 1983. Interactions between coastal plankton and sand mussels along the Cape coast, South Africa. In: MCLACHLAN, A. & ERASMUS, T. (eds) *Sandy beaches as ecosystems*. pp. 481-500. W. Junk, The Hague.



- 681** INGLIS, W.G. 1961. Free-living nematodes from South Africa. Bull. Brit. Mus. (Nat. Hist.), Zool., 7: 293-319.
- 682** INTES, A. & LE LOEUFF, P. 1975. Les annelides polychètes de Côte D'Ivoire. 1. Polychètes errantes - compte rendu systématique. Cah. O.R.S.T.O.M. (Sér. Océanogr.), 13: 267-321.
- 683** INTES, A. & LE LOEUFF, P. 1977. Les annelides polychètes de Côte d'Ivoire. 2. Polychètes sédentaires - compte rendu systématique. Cah. O.R.S.T.O.M. (Sér. Océanogr.), 15: 215-249.

J

- 684 JACKSON, J. 1952. A revision of some South African Brachiopoda, with descriptions of new species. *Ann. S. Afr. Mus.*, 41: 1-40.
- 685 JACKSON, L.F. 1971. The orientational behaviour of Talorchestia quadrispinosa. Unpublished project, Zoology Dept., University of Cape Town.
- 686 JARITZ, W. & RUDER, J. 1977. Fotogeologische charakterisierung des Kustengebietes von Mocambique. *Geol. Jahrb., Reihe B.*, 26: 95-121.
- 687 JEJE, L.K. 1984. Some aspects of geomorphology and sedimentology of the coastal zone of southwestern Nigeria. In: THIRAMONGKOL, N. (ed.) Proceedings of the third meeting of the working group on geomorphology of river and coastal plains. pp. 108-117. Chulalongkorn University Press, Bangkok.
- 688 JELDES, F. & LEFEVERE, S. 1959. Annelides polychètes non pélagiques. Polychètes sédentaires. *Rés. sci. Exped. Océanogr. Belge Eaux Cot. Afr. Atl. Sud (1948-49)*, 4: 1-40.
- 689 JOHNSTON, H. 1906. List of invertebrate animals of Liberia founded on the collections of Buttikofer, Reynolds, Whicker, H.H. Johnston, A. White, etc. In: JOHNSTON, H. (ed.) Liberia. Vol. 2, pp. 860-883. London.
- 690 JONES, D.A. 1966. Bangor-Watamu expedition: preliminary report. University College of North Wales.
- 691 JONES, D.A. 1972. Aspects of the ecology and behaviour of Ocypode ceratophthalmus (Pallas) and O. kuhlii de Haan (Crustacea: Ocypodidae). *J. exp. mar. Biol. Ecol.*, 8: 31-43.
- 692 JONES, D.A. 1974. The systematics and ecology of some sand beach isopods (Crustacea: Eurydicidae) from the coast of Kenya. *J. Zool., Lond.*, 165: 201-207.
- 693 JONES, N.S. 1956. Cumacea from the west coast of Africa. *Atlantide Rep.*, 4: 183-212.
- 694 JONES, N.S. 1957. Cumacea from the coast of Senegal collected by J. Cadenat. *Bull. I.F.A.N. ser. A*, 19: 482-484.
- 695 JORDAAN, J.M. 1970. Study of Durban Harbour silting and beach erosion. In: Coastal engineering conferences, 12th proceedings. American Society of Civil Engineers, New York, 2: 1097-1116.
- 696 JOUBERT, C.S.W. 1981. The density of shore birds on a Natal sandy beach. *Ostrich*, 52: 190-192.
- 697 JOUBIN, L. 1893. Note sur un Cerebratulus de la Mer Rouge. *Rev. biol. Nord France*, 5: 66-69.

- 698 JOUBIN, L. 1904. Note sur quelques nemertes recueillies par M. Ch. Gravier dans le Golfe de Tadjourah, Mer Rouge. Bull. Mus. Paris, 6: 326-343.
- 699 JOUIN, C. 1975. Etude de quelques archiannelides des côtes d'Afrique du Sud; description de Saccocirrus heterochaetus n. sp. (archiannelide Saccocirridae). Cah. Biol. mar., 16: 97-110.

K

- 700 KADIB, A.-L.L. 1972. Rate of sediment motion using fluorescent tracer. Proc. 13th Conf. coast. Eng., 2: 985-1003.
- 701 KALK, M. 1954. Marine biological research at Inhaca Island, Mozambique: an interim report. S. Afr. J. Sci., 51: 107-115.
- 702 KALK, M. 1959a. The zoogeographical composition of the intertidal fauna at Inhaca Island, Mocambique. S. Afr. J. Sci., 55: 178-180.
- 703 KALK, M. 1959b. A general ecological survey of some shores in northern Mocambique. Revta Biol., 2: 1-24.
- 704 KENCH, J. 1984. The coast of southern Africa. Struik, Cape Town.
- 705 KENNELLY, D.H. 1947a. South African marine shells. Some notes on Bullia rhodostoma Gray. Mollusca, 2: 5-6.
- 706 KENNELLY, D.H. 1947b. Notes on South African marine shells. Notes on the sand mussel Donax serra Roding. Mollusca, 2: 6-7.
- 707 KENNELLY, D.H. 1967. Donax serra (Chemn.) Bolten. Circ. Conch. Soc. S. Afr., 87: 5.
- 708 KENSLEY, B. 1970a. Aspects of the biology and ecology of the genus Tylos Latreille. MSc thesis, University of Stellenbosch.
- 709 KENSLEY, B. 1970b. Some decapod Crustacea from northern South West Africa, including a new species of Hippolyte. Cimbebasia, ser. A, 1: 179-188.
- 710 KENSLEY, B. 1972. Behavioural adaptations of the isopod Tylos granulatus Krauss. Zool. afr., 7: 1-4.
- 711 KENSLEY, B. 1973. Sea-shells of southern Africa. Gastropods. Maskew Miller, Cape Town.
- 712 KENSLEY, B. 1974. Aspects of the biology and ecology of the genus Tylos. Ann. S. Afr. Mus., 65: 401-471.
- 713 KENSLEY, B. 1978. Guide to the marine isopods of southern Africa. South African Museum, Cape Town.
- 714 KENSLEY, B. 1981. On the zoogeography of southern African decapod Crustacea, with a distributional checklist of the species. Smithson. Contr. Zool., 338: 1-64.
- 715 KENSLEY, B. & PENRITH, M.J. 1977. Biological survey of Sandvis. 1, Introduction and faunal list. Madoqua, 10: 181-190.
- 716 KEYS, J.-P. & KEYS, S. 1966. Repartition quantitative du benthos de la région de Tuléar. Rec. Trav. Sta. mar. Endoume (Suppl.), 5: 71-86.

- 717 KHAFAGY, A. & MANOHAR, M. 1979. Coastal protection of the Nile Delta. Nat. Resour. (UNESCO), 15: 7-13.
- 718 KHOLIEF, M., FRIHY, O. & NOWAR, A. 1977. Sedimentologic features and primary structure of Nile Delta coastal dunes, Egypt. Proc. Colloq. Geol. Aegean Reg. No. 6, 2: 843-851.
- 719 KIEFER, F. 1956. Cyclopoides de Madagascar. Mem. Inst. sci. Madagascar, 10A: 43-68.
- 720 KILBURN, R.N. 1978. Four new Bullia species (Mollusca: Gastropoda: Nassariidae) from Kenya and Mozambique. Ann. Natal Mus., 23: 297-303.
- 721 KILBURN, R.N. & RIPPEY, E. 1982. Sea shells of southern Africa. Macmillan, Johannesburg.
- 722 KING, J. 1974. Oil pollution and the beach-hopper, Talorchestia. Unpublished project, Zoology Dept., University of Cape Town.
- 723 KIRKEGAARD, J.B. 1959. The Polychaeta of West Africa. Atlantide Rep., 5: 7-117.
- 724 KNUDSEN, J. 1956. Marine prosobranchs of tropical West Africa (Stenoglossa). Atlantide Rep., 4: 7-110.
- 725 KOOP, K. 1982. Fluxes of material associated with the decomposition of kelp on exposed sandy beaches and adjacent habitats. PhD thesis, University of Cape Town.
- 726 KOOP, K. & GRIFFITHS, C.L. 1982. The relative significance of macro-, meio- and microfauna on an exposed sandy beach. Mar. Biol., 66: 295-300.
- 727 KOOP, K. & LUCAS, M.I. 1983. Carbon flow and nutrient regeneration from the decomposition of macrophyte debris in a sandy beach microcosm. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 249-262. W. Junk, The Hague.
- 728 KOOP, K., NEWELL, R.C. & LUCAS, M.I. 1982a. Biodegradation and carbon flow based on kelp (Ecklonia maxima) debris in a sandy beach microcosm. Mar. Ecol. Prog. Ser., 7: 315-326.
- 729 KOOP, K., NEWELL, R.C. & LUCAS, M.I. 1982b. Microbial regeneration of nutrients from the decomposition of macrophyte debris on the shore. Mar. Ecol. Prog. Ser., 9: 91-96.
- 730 KRAUSS, F. 1843. Die sudafrikanischen Crustaceen. E. Schweizerbart'sche Verlag, Stuttgart.
- 731 KRAUSS, F. 1848. Die sudafrikanischen Mollusken. Ebner und Steubert, Stuttgart.
- 732 KRUGER, I. & WILSON, E.G. 1984. Morphology and affiliation of the centric diatom Anaulus birostratus (Grunow) Grunow from South Africa. S. Afr. J. mar. Sci., 2: 163-194.

- 733 KUNN, M. 1978. The ecology of wading birds on east Cape beaches. Unpublished project, Zoology Dept., University of Port Elizabeth.
- 734 KUNZ, H. 1951. Marine Harpacticoiden aus dem Kustensand von Sudwestafrika. Kieler Meeresforsch., 8: 76-81.
- 735 KUNZ, H. 1963. Weitere Harpacticoidea von der Sudwestafrikanische Kuste. Zool. Anz., 171: 33-51.
- 736 KUNZ, H. 1971. Harpacticoidea (Crustacea Copepoda) von einem Sandstrand Angolas. Zool. Anz., 186: 348-359.
- 737 KUNZ, H. & KUNZ, G. 1973. Okologische Untersuchungen an Strandgewassern Sudwestafrikas. Namib u. Meer, 4: 41-64.
- 738 KUSAKIN, O.G. 1979. Marine and salt water isopod crustaceans (Isopoda) of cold and temperate waters of the northern hemisphere. Opredilitei Faune SSSR, 122: 1-470 [In Russian]

L

- 739 LAFOND, L.R. 1951. Les phénomènes littoraux dans la zone internationale de Tanger (Maroc). Bull. Soc. Geol. France (ser. 6), 1: 657-670.
- 740 LAMY, E. 1904. Liste des coquilles marines recueillies par M. Ch. Gravier dans le Golfe de Tadjourah. Bull. Mus. Paris, 11: 103-111.
- 741 LAMY, E. 1907. Liste des coquilles marines recueillies par M. Ch. Gravier dans l'île de San Thomé (1906). Bull. Mus. Paris, 1907: 145-154.
- 742 LAMY, E. 1918a. Les Tellines de la Mer Rouge (d'après les matériaux recueillis par M. le Dr. Jousseau). Bull. Mus. Paris, 1918: 116-124, 167-172.
- 743 LAMY, E. 1918b. Les Donacés de la Mer Rouge (d'après les matériaux recueillis par M. le Dr. Jousseau). Bull. Mus. Paris, 1918: 430-432.
- 744 LANCASTER, N. 1982. Dunes on the Skeleton coast, Namibia (South West Africa); geomorphology and grain size relationships. Earth Surf. Proc. Landforms, 7: 575-587.
- 745 LANCASTER, N. 1984. Aeolian sediments, processes and landforms. J. Arid Environ., 7: 249-254.
- 746 LANGERHANS, P. 1881. Über einige canarische Anneliden. Nova Acta k. Leop.-Carol. deutsch. Akad. Naturforsch., 42: 93-124.
- 747 LASIAK, T.A. 1981. Nursery grounds of juvenile teleosts: evidence from the surf zone of Kings Beach, Port Elizabeth. S. Afr. J. Sci., 77: 388-390.
- 748 LASIAK, T.A. 1982. Structural and functional aspects of the surf zone fish community in the eastern Cape. PhD thesis, University of Port Elizabeth.
- 749 LASIAK, T.A. 1983a. Recruitment and growth patterns of juvenile marine teleosts caught at Kings Beach, Algoa Bay. S. Afr. J. Zool., 18: 25-30.
- 750 LASIAK, T.A. 1983b. The impact of surf-zone fish communities on faunal assemblages associated with sandy beaches. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 501-506. W. Junk, The Hague.
- 751 LASIAK, T.A. 1984a. Aspects of the biology of three benthic-feeding teleosts from King's Beach, Algoa Bay. S. Afr. J. Zool., 19: 51-56.
- 752 LASIAK, T.A. 1984b. Structural aspects of the surf-zone fish assemblage at Kings Beach, Algoa Bay, South Africa: short-term fluctuations. Est. coast. Shelf Sci., 18: 347-360.

- 753 LASIAK, T.A. 1984c. Structural aspects of the surf-zone fish assemblage at Kings Beach, Algoa Bay, South Africa: long-term fluctuations. *Est. coast. Shelf Sci.*, 18: 459-484.
- 754 LAUBIER, L. 1962. Schroederella pauliani gen. nov. sp. nov., un nouvel orbiniide (polychètes sédentaires) de la faune interstitielle d'Afrique. *Ann. Transvaal Mus.*, 24: 231-238.
- 755 LAUBIER, L. 1967a. Quelques annelides polychètes interstitielles d'une plage de Côte d'Ivoire. *Vie Milieu*, 18A: 573-594.
- 756 LAUBIER, L. 1967b. Présence d'une annelide polychète de la famille des Pisionidae appartenant à un genre nouveau dans les eaux interstitielles littorales de Côte d'Ivoire. *C.r. Acad. Sci. Paris*, 264: 1431-1433.
- 757 LAURENT, J. & RIVIERE, A. 1950. Résultats scientifiques d'une mission hydro-océanographique à Safi; phénomènes littoraux. *C.r. Acad. Sci. Paris*, 230: 2037-2039.
- 758 LAURIE, R.D. 1915. Reports on the marine biology of the Sudanese Red Sea. XXI. On the Brachyura. *J. linn. Soc. Lond. (Zool.)*, 31: 407-475.
- 759 LAWSON, G.W. 1966. The littoral ecology of West Africa. *Oceanogr. mar. Biol. ann. Rev.*, 4: 405-448.
- 760 LAZARUS, B.I. 1974. The inshore plankton of the western Cape. PhD thesis, University of Stellenbosch.
- 761 LE CALVEZ, Y. 1980. Contribution à l'étude faunistique et écologique des foraminifères littoraux de Tanzanie. *Trav. Mus. Hist. nat. 'Gr. Antipa'*, 21: 7-28.
- 762 LE LOEUFF, P. & INTES, A. 1977. Les Bodotria (Crustacea, Cumacea) des mers d'Europe et des côtes occidentales de l'Afrique tropicale. *Bull. Mus. natn. Hist. nat. Paris (Zool.)*, 347: 1137-1164.
- 763 LE TOQUIN, A. 1977. Bilan préliminaire de la première mission d'étude du Banc d'Arguin 1976. Feuille de liaison de l'Association de Soutien au parc national du Banc d'Arguin (Mauritanie), 2: 14-22.
- 764 LEDOYER, M. 1969. Amphipodes gammariens de quelques biotopes de substrat meuble de la région de Tuléar. *Etudes systématique et écologique. Rec. Trav. Sta. mar. Endoume, Fasc. h-s. Suppl.*, 8: 15-62.
- 765 LEGOUX, P. 1952. Un type nouveau de côte alluviale basse; la côte à formations parallèles ou côte du type gabonais. *C.r. Acad. Sci. Paris*, 234: 119-121. [Madagascar]
- 766 LEON, B. 1972. The effect of crude oil on Bullia digitalis Meuschen. Unpublished project, Zoology Dept., University of Cape Town.

- 767 LEONT'YEV, O.K. & BELODEDENKO, M.V. 1978. The problem of longshore transport of debris along the open ocean coast, eg. Namibia and Angola coasts. *Geomorfologiya*, 2: 85-95. [In Russian]
- 768 LEWINSOHN, C. 1969. Die Anomuren des Roten Meeres (Crustacea: Decapoda, Paguridae, Galatheidea, Hippidea). *Zool. Verh.*, Leiden, 104: 1-213.
- 769 LEWINSOHN, C. 1977. Die Ocypodidae des Roten Meeres (Crustacea Decapoda, Brachyura). *Zool. Verh.*, Leiden, 152: 45-84.
- 770 LEWIS, R.C. 1911. Water pores of Bullia digitalis. *Zool. Anz.*, 37: 65-69.
- 771 LHERMITTE, P. & GERMAIN, J. 1955. Les transports littoraux sur les plages de galets; application au Port des Galets a l'ile de la Reunion. *Mem. Trav. Soc. Hydrol. France*, 2: 162-174. *Houille Blanche B*, 10: 658-670.
- 772 LINSENMAIR, K.E. 1964. Ritter und Turmchen. *Kosmos*, Stuttgart, 60: 317-322.
- 773 LINSENMAIR, K.E. 1965. Optische Signalisierung der Kopulationshohle bei der Reiterkrabbe Ocypode saratan Forskal (Decapoda-Brachyura-Ocypodidae). *Naturwiss.*, 52: 256-257.
- 774 LINSENMAIR, K.E. 1967. Konstruktion und Signalfunktion der Sandpyramide der Reiterkrabbe Ocypode saratan Forsk. *Z. Tierpsychol.*, 24: 403-456.
- 775 LONGHURST, A.B. 1958. An ecological survey of the West African marine benthos. *Fishery Publs colon. Off.*, 11: 1-102.
- 776 LORD, D.A., ILLENBERGER, W.K. & McLACHLAN, A. 1985. Beach erosion and sand budget for the Port Elizabeth beachfront. *Univ. Port Elizabeth Inst. coast. Res. Rep.*, 1: 1-48.
- 777 LOUDA, S.M. & McKAYE, K.R. 1982. Diurnal movements in populations of the prosobranch Lanistes nyassanus at Cape Maclear, Lake Malawi, Africa. *Malacologia*, 23: 13-21.
- 778 LOUIS, M. 1980. Etude d'un peuplement mixte d'Orchestia montagui Audouin et d'O. dehayesi Audouin dans la baie de Bou Ismail (Algerie). *Bull. Ecol.*, 11: 97-111.
- 779 LUBKE, R.A. 1983. A survey of the coastal vegetation near Port Alfred, eastern Cape. *Bothalia*, 14: 725-738.
- 780 LUBKE, R.A. 1985. Erosion of the beach at St Francis Bay, eastern Cape, South Africa. *Biol. Conserv.*, 32: 99-127.
- 781 LUBKE, R.A. & AVIS, A.M. 1982a. Factors affecting the distribution of Scirpus nodosus in a dune slack community. *S. Afr. J. Bot.*, 1: 97-103.
- 782 LUBKE, R.A. & AVIS, A.M. 1982b. The effect of salt spray on the growth of Scirpus nodosus. *S. Afr. J. Bot.*, 1: 163-164.

- 783** LUCAS, D.B. 1966. Contribuicao para o estudo sedimentologico da areias da praia do ilha Xefina Grande. Rev. Estud. Gerais Univ. Mocambique, ser. 6, 3: 109-119.
- 784** LY, C.K. 1980. The role of the Akosombo Dam on the Volta River in causing coastal erosion in central and eastern Ghana (West Africa). Mar. Geol., 37: 323-332.
- 785** LY, C.K. 1981. Sources of beach sand from the central and eastern coasts of Ghana, West Africa. Mar. Geol., 44: 229-240.

M

- 786 MACCAGNO, T. 1937. Crostacei di Assab: decapodi, stomatopodi, Anfipodi. Ann. Mus. Stor. nat. Genova, 59: 171-186.
- 787 MACNAE, W. 1950. An archiannelid from southern Africa, Dinophilus gyrociliatus. Nature, Lond., 166: 38.
- 788 MACNAE, W. & KALK, M. 1958. A natural history of Inhaca Island, Mocambique. Witwatersrand University Press, Johannesburg.
- 789 MACNAE, W. & KALK, M. 1962. The fauna and flora of sand flats at Inhaca Island, Mozambique. J. Anim. Ecol., 31: 93-128.
- 790 MAGNUS, D. 1960. Zur Ökologie des Landeinsiedlers Coenobita jousseaumei Bouvier und der Krabbe Ocypode aegyptiaca Gerstaecker am Roten Meer. Verh. dt. zool. Ges., Bonn, 316-329.
- 791 MAHNERT, V. 1984. Forschungen an der Somalilandküste. Am Strand und auf den Dünen bei Sar Uanle. 36. Pseudoscorpiones (Arachnida). Monit. zool. ital. (N.S.) Suppl., 19: 43-66.
- 792 MAIGRET, J. 1977. Recensement des échouages et observations des mammifères marins sur les côtes ouest-africaines. Bull. Club Amis de la Nature en Mauritanie, Nouakchott, 6: 33-37.
- 793 MANNING, R.B. 1981. West African brachyuran crabs. Res. Rep. natn. geogr. Soc., 13: 431-434.
- 794 MANNING, R.B. & HOLTHUIS, L.B. 1981. West African brachyuran crabs (Crustacea: Decapoda). Smithson. Contr. Zool., 306: 1-379.
- 795 MARFIN, J.-P. 1983. Talorchestia spinifera (E. Mateus, 1962), Amphipode Talitridae, au Maroc: distribution, description. Vie Milieu, 33: 231-236.
- 796 MARQUES, E. 1955. Nova contribucao para o conhecimento dos Copepodos da Guine Portuguesa. Trab. Miss. Zool. Guine Centro Zool., 1955:
- 797 MARQUES, E. 1958. Marine Copepoda of Sao Tome island. Conf. int. Afr. occid. Sess., 4: 193-203.
- 798 MARQUES, E. 1961. Copepodes da Guine Portuguesa - III. Contribucao para o conhecimento. Mem. Jta Inv. Lisboa, 23: 41-57.
- 799 MARQUES, E. 1982. Copepodes marins des environs des Iles Séchelles. 2. Anse à la Mouche. Rev. Zool. afr., 96: 749-781.
- 800 MARSH, B.A. & BRANCH, G.M. 1979. Circadian and circatidal rhythms of oxygen consumption in the sandy beach isopod Tylos granulatus Krauss. J. exp. mar. Biol. Ecol., 37: 77-89.

- 801 MASSE, J.-P. 1968. Contribution à l'étude des sédiments actuels du plateau continental de la région de Dakar (Rép. du Sénégal). Rapport No. 23, Lab. Geol., Fac. Sci., Université de Dakar.
- 802 MASSEY, B. 1976. Daily rhythms of oxygen consumption in the isopod Tylos granulatus (Latreille). Unpublished project, Zoology Dept., University of Cape Town.
- 803 MAZURE, H.G.F. & BRANCH, G.M. 1979. A preliminary analysis of bacterial numbers and biomass in Langebaan Lagoon. Trans. Roy. Soc. S. Afr., 44: 43-54.
- 804 McALLISTER, H.J., BASS, A.J. & VAN SCHOOR, H.J. 1965. Marine turtles on the coast of Tongaland, Natal. Lammergeyer, 3: 10-40.
- 805 McCLURG, T.P. & GARDNER, B.D. 1977. The chemical and biological recovery of an organically polluted sandy beach in Natal, South Africa following the diversion of effluent to an offshore pipeline. Water SA, 3: 12-16.
- 806 McGWYNNE, L.E. 1980. A comparative ecophysiological study of three sandy beach gastropods in the eastern Cape. MSc thesis, University of Port Elizabeth.
- 807 McGWYNNE, L.E. 1984. Tolerances to temperature, desiccation and salinity in three sandy beach gastropods. Comp. Biochem. Physiol., 79A: 585-590.
- 808 McINTOSH, W.C. 1905. Marine annelids (Polychaeta) of South Africa. Part I. Mar. Invest. S. Afr., 3: 17-92.
- 809 McLACHLAN, A. 1975. Studies on the psammolittoral meiofauna of Algoa Bay. PhD thesis, University of Port Elizabeth.
- 810 McLACHLAN, A. 1977a. The larval development and population dynamics of Derocheilocaris algoensis (Crustacea: Mystacocarida). Zool. afr., 12: 1-14.
- 811 McLACHLAN, A. 1977b. Studies on the psammolittoral fauna of Algoa Bay, South Africa. 1. Physical and chemical evaluation of the beaches. Zool. afr., 12: 15-32.
- 812 McLACHLAN, A. 1977c. Studies on the psammolittoral fauna of Algoa Bay, South Africa. 2. The distribution, composition and biomass of the meiofauna and macrofauna. Zool. afr., 12: 33-60.
- 813 McLACHLAN, A. 1977d. Effects of ore dust pollution on the physical and chemical features, and on the meiofauna and microfauna, of a sandy beach. Zool. afr., 12: 73-88.
- 814 McLACHLAN, A. 1977e. Composition, distribution, abundance and biomass of the macrofauna and meiofauna of four sandy beaches. Zool. afr., 12: 279-306.

- 815 McLACHLAN, A. 1978a. A temporal study of niche breadth and overlap in two sympatric species of Mystacocarida (Crustacea). *Zool. Afr.*, 13: 351-353.
- 816 McLACHLAN, A. 1978b. Sediment particle size and body size in meiofaunal harpacticoid copepods. *S. Afr. J. Sci.*, 75: 27-28.
- 817 McLACHLAN, A. 1979a. Growth and reproduction of Donax sordidus Hanley on an open sandy beach in Algoa Bay. *S. Afr. J. Zool.*, 14: 61-66.
- 818 McLACHLAN, A. 1979b. Volumes of water filtered through eastern Cape sandy beaches. *S. Afr. J. Sci.*, 75: 75-79.
- 819 McLACHLAN, A. 1979c. Molluscs on East Cape sandy beaches. *Strandloper*, 198: 1-2.
- 820 McLACHLAN, A. 1979d. The identity of Derocheilocaris remanei katesae (Mystacocarida) from South Africa. *Crustaceana*, 37: 223.
- 821 McLACHLAN, A. 1980a. Occurrence of the ghost crabs Ocypode spp. in the eastern Cape. *S. Afr. J. Zool.*, 15: 57-58.
- 822 McLACHLAN, A. 1980b. The definition of sandy beaches in relation to exposure: a simple rating system. *S. Afr. J. Sci.*, 76: 137-138.
- 823 McLACHLAN, A. 1980c. Intertidal zonation of the macrofauna and stratification of meiofauna on high energy beaches in the eastern Cape, South Africa. *Trans. Roy. Soc. S. Afr.*, 44: 213-223.
- 824 McLACHLAN, A. 1981. Exposed sandy beaches as semi-closed ecosystems. *Mar. environ. Res.*, 4: 59-63.
- 825 McLACHLAN, A. 1982. A model for the estimation of water filtration and nutrient regeneration by exposed sandy beaches. *Mar. environ. Res.*, 6: 37-47.
- 826 McLACHLAN, A. 1983a. Sandy beach ecology - a review. In: McLACHLAN, A. & ERASMUS, T. (eds) *Sandy beaches as ecosystems*. pp. 321-380. W. Junk, The Hague.
- 827 McLACHLAN, A. 1983b. The ecology of sandy beaches in the eastern Cape, South Africa. In: McLACHLAN, A. & ERASMUS, T. (eds) *Sandy beaches as ecosystems*. pp. 539-546. W. Junk, The Hague.
- 828 McLACHLAN, A. 1985. The ecology of two sandy beaches near Walvis Bay. *Madoqua*, 14: 155-163.
- 829 McLACHLAN, A. & BATE, G.C. 1984. Carbon budget for a high energy surf zone. *Vie Milieu*, 34: 67-77.
- 830 McLACHLAN, A., COCKROFT, A. & MALAN, D.E. 1984. Benthic faunal response to a high energy gradient. *Mar. Ecol. Prog. Ser.*, 16: 51-63.

- 831 McLACHLAN, A., COOPER, C. & VAN DER HORST, G. 1979. Growth and production of Bullia rhodostoma on an open sandy beach in Algoa Bay. S. Afr. J. Zool., 14: 49-53.
- 832 McLACHLAN, A., DYE, A.H. & HARTY, B. 1981. Simulation of the interstitial system of exposed sandy beaches. Estuar. coast. Shelf Sci., 12: 267-278.
- 833 McLACHLAN, A., DYE, A.H. & VAN DER RYST, P. 1979. Vertical gradients in the fauna and oxidation of two exposed sandy beaches. S. Afr. J. Zool., 14: 43-47.
- 834 McLACHLAN, A., ERASMUS, T., DYE, A.H., WOOLDRIDGE, T., VAN DER HORST, G., ROSSOUW, G., LASIAK, T.A. & MCGWYNNE, L. 1981. Sand beach energetics: an ecosystem approach towards a high energy interface. Est. coast. Shelf Sci., 13: 11-25.
- 835 McLACHLAN, A., ERASMUS, T. & FURSTENBERG, J.P. 1977. Migrations of sandy beach meiofauna. Zool. afr., 12: 257-278.
- 836 McLACHLAN, A. & FURSTENBERG, J.P. 1977. Studies on the psammolittoral fauna of Algoa Bay, South Africa. 3. A quantitative analysis of the nematode and crustacean communities. Zool. afr., 12: 61-72.
- 837 McLACHLAN, A. & GRINDLEY, J.R. 1974. New species of Mystacocarida (Crustacea) from Algoa Bay, South Africa. Ann. S. Afr. Mus., 66: 167-175.
- 838 McLACHLAN, A. & HANEKOM, N. 1979. Aspects of the biology, ecology and seasonal fluctuations in biochemical composition of Donax serra in the east Cape. S. Afr. J. Zool., 14: 183-193.
- 839 McLACHLAN, A. & HARTY, B. 1981. Effects of oil on water filtration by exposed sandy beaches. Mar. Pollut. Bull., 12: 374-378.
- 840 McLACHLAN, A. & HARTY, B. 1982. Effects of crude oil on the supralittoral meiofauna of a sandy beach. Mar. environ. Res., 7: 71-79.
- 841 McLACHLAN, A. & LEWIN, J. 1981. Observations on surf phytoplankton blooms along the coasts of South Africa. Bot. Mar., 24: 553-557.
- 842 McLACHLAN, A. & MOORE, C.G. 1978. Three new species of Harpacticoida (Crustacea, Copepoda) from sandy beaches in Algoa Bay, South Africa, with keys to the genera Arenosetella, Hastigerella, Leptastacus and Psammastacus. Ann. S. Afr. Mus., 76: 191-211.
- 843 McLACHLAN, A., SIEBEN, P. & ASCARAY, C. 1982. Survey of a major coastal dunefield in the eastern Cape. Univ. Port Elizabeth Res. Rep., 10: 1-70.
- 844 McLACHLAN, A. & VAN DER HORST, G. 1979. Growth and reproduction of two molluscs from an exposed sandy beach. S. Afr. J. Zool., 14: 194-201.

- 845 McLACHLAN, A., WINTER, P.E.D. & BOTHA, L. 1977. Vertical and horizontal distribution of sublittoral meiofauna in Algoa Bay, South Africa. *Mar. Biol.*, 40: 355-364.
- 846 McLACHLAN, A., WOOLDRIDGE, T. & DYE, A.H. 1981. The ecology of sandy beaches in South Africa. *S. Afr. J. Zool.*, 16: 219-231.
- 847 McLACHLAN, A., WOOLDRIDGE, T., SCHRAMM, M. & KUHN, M. 1980. Seasonal abundance, biomass and feeding of shore birds on sandy beaches in the eastern Cape, South Africa. *Ostrich*, 51: 44-52.
- 848 McLACHLAN, A., WOOLDRIDGE, T. & VAN DER HORST, G. 1979. Tidal movements of the macrofauna on an exposed sandy beach in South Africa. *J. Zool., Lond.*, 187: 433-442.
- 849 McLACHLAN, A. & YOUNG, N. 1982. Effects of low temperature on burrowing rates of four sandy beach molluscs. *J. exp. mar. Biol. Ecol.*, 65: 275-284.
- 850 McLACHLAN, G.R. & LIVERSIDGE, R. 1978. Roberts birds of South Africa. 4th edition. John Voelcker Bird Book Fund, Cape Town.
- 851 MESSANA, G., CHELAZZI, L., CHELAZZI, A., ERCOLINI, A., FERRARA, F., MESSERI, P., PARDI, L. & VANNINI, M. 1977. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. 12. Physical environment: microclimates and soil. *Monit. zool. ital. (N.S.) Suppl.*, 9: 147-181.
- 852 MESSANA, G., CHELAZZI, L. & MESSERI, P. 1978. Ricerche sul litorale somalo. La spiaggia e la duna di Sar Uanle: l'ambiente interstiziale. *Boll. Zool. (suppl.)*, 54: 33.
- 853 MESSERI, P. 1978. Some observations on a littoral troop of Yellow Baboons. *Monit. zool. ital. (N.S.)*, 12: 69.
- 854 MIOSSEC, J.-M. & PASKOFF, R. 1979a. L'érosion des plages dans le sud tunisien: exemple à Jerba (côtes est et sud-est) et à Zarzis. *Rev. Geogr. Tunisienne*, 2: 137-155.
- 855 MIOSSEC, J.-M. & PASKOFF, R. 1979b. Evolution des plages et aménagements touristiques à Jerba (Tunisie): le cas du littoral nord-est de l'île. *Méditerranée*, 35: 99-106.
- 856 MOLDAN, A. 1973. Investigation of some of the pigments in the osphradium of Bullia digitalis Meuschen in relation to chemoreception. Unpublished project, Zoology Dept., University of Cape Town.
- 857 MOLDAN, A., CHAPMAN, P. & FOURIE, H.O. 1979. Some ecological effects of the "Venpet/Venoil" collision. *Mar. Pollut. Bull.*, 10: 60-63.
- 858 MOLL, E.J. 1972. A preliminary account of the dune communities at Pennington Park, Mtunzini, Natal. *Bothalia*, 10: 615-625.
- 859 MOLLION, J. 1975. Etude quantitative d'une formation végétale marine de l'infralittoral supérieur au Sénégal. *Bull. I.F.A.N. ser. A*, 37: 537-554.

- 860 MONARD, A. 1934a. Ornithologie de l'Angola. Arquivos Mus. Bocage, 5: 1-110.
- 861 MONARD, A. 1934b. Description de trois Harpacticides marins d'Angola. Rev. zool. bot. afr. Tervueren, 26: 1-9.
- 862 MONARD, A. 1935. Les Harpacticoides marins de la région de Salambô. Bull. Stn océanogr. Salambô, 34: 1-94.
- 863 MONARD, A. 1936. Note préliminaire sur la faune des Harpacticoides marins d'Alger. Bull. Sta. Aquic. Alger, 1935(1): 45-85.
- 864 MONARD, A. 1937. Les harpacticoides marins de la région d'Alger et de Castiglione. Bull. Sta. Aquic. Alger, 1935(2): 9-93.
- 865 MONARD, A. 1952. Un nouvel Harpacticide du Sénégal, Amphiascus monodi. n. sp. Bull. I.F.A.N., 14: 817-818.
- 866 MONOD, T. 1924. Isopoda (supplement). In Parasitologia Mauritanica. Bull. Com. Et. hist. scient. Afr. Occ. Franc., 9: 428-445.
- 867 MONOD, T. 1926. Sur une espèce nouvelle d'Eurydice de la côte atlantique du Maroc: E. clymeneia. Bull. Soc. Sci. nat. Maroc, 6: 75-77.
- 868 MONOD, T. 1928. Crustacea IV. Decapoda (excl. Palaemonidae, Atyidae et Potamonidae). In: MONOD, T. (ed.) Contribution à l'étude de la faune du Cameroun. Faune des Colonie Francaises, 1: 593-624.
- 869 MONOD, T. 1930. Contribution à l'étude des Cirolanidae. Ann. Sci. nat. Paris (10), 13: 129-183.
- 870 MONOD, T. 1931. Sur quelques Crustacés aquatiques d'Afrique (Cameroun et Congo). Revue Zool. Bot. afr., 21: 1-36.
- 871 MONOD, T. 1932. Sur quelques crustacés de l'Afrique occidentale. (Liste des Décapodes mauritaniens et des Xanthides ouest-africains). Bull. Com. Etud. sci. Afr. Occ. fr., 15: 456-548.
- 872 MONOD, T. 1933a. Tanaidacea et Isopoda en: Mission Robert Ph. Dollfus en Egypte. Mem. Inst. egypt., 21: 161-264.
- 873 MONOD, T. 1933b. Tanaidacea et Isopoda en: Mission Robert Ph. Dollfus en Egypte. Bull. Inst. egypt., 15: 151-157.
- 874 MONOD, T. 1938. Decapoda Brachyura en: Mission Robert Ph. Dollfus en Egypte. Mem. Inst. egypt., 37: 91-162.
- 875 MONOD, T. 1953. Eurydice de la faune interstitielle littorale. Vie Milieu, 4: 277-280.
- 876 MONOD, T. 1956. Hippidea et Brachyura ouest-africains. Mem. I.F.A.N., 45: 1-674.

- 877 MONTEROSERATO, D. 1923. Molluschi delle coste cirenaiche raccolti dall'Ing. Camillo Crema. Mem. R. Com. Talassogr. Ital. Venezia, 107: 1-14.
- 878 MOONEY, P.A. 1981. A preliminary survey of the microflora of a sandy beach, Widenham. Unpublished project, Botany Department, University of Natal, Durban.
- 879 MORGANS, J.F.C. 1956a. The benthic ecology of False Bay with notes on the analysis of shallow water soft substrata. PhD thesis, University of Cape Town.
- 880 MORGANS, J.F.C. 1956b. Notes on the analysis of shallow-water soft substrata. J. Anim. Ecol., 25: 367-387.
- 881 MOSSAVOU, J.B. 1981. The coastal zone of Gabon: a brief synopsis. UNESCO Rep. mar. Sci., 17: 25-26.
- 882 MOUEZA, M. 1972. Contribution à l'étude de la biologie de Donax trunculus L. (Mollusque, Lamellibranche) dans l'Algérois: ethologie en Baie de Bou-Ismaïl. Tethys, 4: 745-756.
- 883 MOUEZA, M. 1974. Contribution à l'étude de la biologie de Donax trunculus L. (Mollusque Lamellibranche) dans l'Algérois: la croissance. Pelagos, 4: 25-35.
- 884 MOUEZA, M. 1975. Contribution à l'étude de la biologie de Donax trunculus L. (Mollusque Lamellibranche) dans l'Algérois. These de Docteur en Sciences Naturelles, Université d'Aix Marseille.
- 885 MOUEZA, M. 1976. Contribution à l'étude de la biologie de Donax trunculus (Mollusque Lamellibranche). Mécanisme de la nutrition. J. moll. Stud., 42: 17-30.
- 886 MOUEZA, M. & CHESSEL, D. 1976. Contribution à l'étude de la biologie de Donax trunculus L. (Mollusque: Lamellibranche) dans l'Algérois: analyse statistique de la dispersion le long d'une plage en Baie de Bou Ismaïl. J. exp. mar. Biol. Ecol., 21: 211-221.
- 887 MOUEZA, M. & FRENKIEL, L. 1974. Contribution à l'étude des structures palliales des Tellinacea: morphologie et structure du manteau de Donax trunculus L. Proc. malac. Soc. Lond., 41: 1-19.
- 888 MOUEZA, M. & FRENKIEL, L. 1976a. Contribution à l'étude de la biologie de Donax trunculus (Mollusque Lamellibranche). Morphologie fonctionnelle - anatomie microscopique - histologie de l'appareil digestif. J. moll. Stud., 42: 1-16.
- 889 MOUEZA, M. & FRENKIEL, L. 1976b. Premières données sur l'ultrastructure de l'organe sensoriel du muscle cruciforme de Donax trunculus L. (Mollusque Lamellibranche Tellinacea). Arch. Zool. exp. gen., 117: 485-492.
- 890 MOUEZA, M. & FRENKIEL, L. 1978. Le système circulatoire et le jeu des siphons chez Donax trunculus (Mollusque Lamellibranche). Malacologia, 17: 117-124.

- 891 MOUEZA, M. & FRENKIEL, L. 1979. Fine structure and histochemistry of the gastric shield in the lamellibranch Donax trunculus L. Z. mikrosk.-anat. Forsch., 93: 169-181.
- 892 MOUEZA, M. & FRENKIEL-RENAULT, L. 1973. Contribution à l'étude de la biologie de Donax trunculus L. (Mollusques Lamellibranches) dans l'Algérois: la reproduction. Cah. Biol. mar., 14: 261-283.
- 893 MOUEZA, M. & RENAULT, L. 1971. Contribution à l'étude de la sexualité chez Donax trunculus L. Haliotis, 1: 21-22.
- 894 MOURA, A.R. 1965. Foraminiferos da ilha da Inhaca. Revta Estud. ger. Univ. Mocambique (II), 2: 3-74.
- 895 MUIR, D.G. 1977. The biology of Talorchestia capensis (Amphipoda, Talitridae) including a population energy budget. MSc thesis, University of Cape Town.
- 896 MURAOUR, P. 1953. Les phénomènes de sédimentation du cordon littoral situé à l'ouest de Port-Gueydon (Algérie). C.r. Acad. Sci. Paris, 236: 2099-2101.
- 897 MURAOUR, P. 1956. Sédiments et sédimentation au large de la région située entre le Cap Tedles et la Pointe de l'Ait-Raouna (Est de Tighzirt). Bull. Sta. Aquic. Peche Castiglione, 8: 31-39.
- 898 MURAOUR, P. & HOLLANDE, G. 1951. Etude préliminaire de quelques sédiments de la Baie de Castiglione. Bull. Sta. Aquic. Peche Castiglione (N.S.), 3: 161-186.
- 899 MURINA, G.-V. 1981a. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. 29. A small collection of Sipuncula and Echiura. Monit. zool. ital. (N.S.) Suppl., 14: 7-15.
- 900 MURINA, G.-V. 1981b. First information on sea worms, sipunculoids and echiuroids of the Somali littoral waters. Vestnik zool., 1981: 12-18. [In Russian]
- 901 MWAISEJE, B. 1976. A note on a heavy settlement of Pinctata sp. (Lamellibranchiata) spat on Ocean Road Beach, Dar es Salaam. J. mar. biol. Ass. India, 18: 386-387.

N

- 902 NAEGELE, A. 1959. Note préliminaire sur la flore et la végétation du cordon littoral ou avant-dune au Sénégal. Bull. I.F.A.N. ser. A, 21: 1177-1194.
- 903 NAEGELE, A. 1960. Contributions à l'étude de la flore et des groupements végétaux de la Mauritanie. IV. Voyage botanique dans la presqu'île du Cap Blanc. Bull. I.F.A.N. ser. A, 22: 1231-1247.
- 904 NAIDOO, M.B. 1972. Beach erosion at Durban. Comm. Congr. int. Geogr., 22: 84-85.
- 905 NEWELL, P.F. & BROWN, A.C. 1977. The fine structure of the osphradium of Bullia digitalis Meuschen (Gastropoda, Prosobranchiata). Malacologia, 16: 197-205.
- 906 NICHOLSON, J. 1983. Sedimentary aspects of the Mvumase project. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 191-197. W. Junk, The Hague.
- 907 NICKLES, M. 1949. Mollusques marins de la région de Kribi. Etud. cameroun., 2: 25-26.
- 908 NICKLES, M. 1950. Mollusques testacés marins de la côte occidentale d'Afrique. Manuels Ouest-Afr., 2: 1-269.
- 909 NICKLES, M. 1952. Mollusques testacés marins du littoral de l'Afrique Equatoriale Française. J. conchyliol., Paris, 92: 143-154.
- 910 NICKLES, M. 1955. Scaphopodes et Lamellibranches récoltés dans l'Ouest-africain. Atlantide Rep., 3: 93-237.
- 911 NICKLES, M. 1979. Scaphopodes de l'Ouest Africain (Mollusca, Scaphopoda). Bull. Mus. natn. Hist. nat. Paris (Zool. Biol. Ecol. anim.), 1979: 41-77.
- 912 NIKIFOROV, L.G. & KOROTAYEV, V.N. 1982. Coastal geomorphology of Socotra. Vosprosy Geografii, 119: 160-173. [In Russian]
- 913 NOBILI, G. 1903. Crostacei di Pondichery, Mahe, Bombay etc. Boll. Mus. Torino, 18 (452): 1-24.
- 914 NOBILI, G. 1905. Note sur Ocypoda fabricii Milne Edwards. Bull. Mus. Paris, 11: 229-235.
- 915 NOBRE, A. 1894. Sur la faune malacologique des îles de S. Thomé et de Madère. Ann. Sci. nat. Porto, 1: 91-94, 140-144.
- 916 NOBRE, A. 1901. Contribucoes para a fauna malacologica das possessoes Portuguezas da Africa occidental. Ann. Sci. nat. Porto, 7: 161-172. [Cape Verde Is.]

- 917 NOBRE, A. 1909. Matériaux pour l'étude de la faune malacologique des possessions portugaises de l'Afrique occidentale. Bull. Soc. Port. Sci. nat., 3, Suppl. 2: 1-108.
- 918 NOLTE, D.J. 1954. Polymorphic coloration in Donax. Caryologia, 147: 889.
- 919 NOLTE, D.J. 1958. Genetic drift in populations of a sand mussel. Publ. Univ. Pretoria, Nuwe Reeks, 7: 12-15.
- 920 NOODT, W. 1954. Crustacea Mystacocarida von Sud Afrika. Kieler Meeresforsch., 10: 243-246.
- 921 NOODT, W. 1955. Copepoda Harpacticoidea von Teneriffa (Kanarische Inseln). Zool. Anz., 154: 200-222.
- 922 NOODT, W. 1958. Die Copepoda Harpacticoidea des Brandungsstrand von Teneriffa. Akad. Wiss. Lit., 2: 53-116.
- 923 NOODT, W. 1964. Copepoda Harpacticoidea aus dem Litoral des Roten Meeres. Kieler Meeresforsch., 20: 128-154.
- 924 NORDSIECK, F. & GARCIA-TALAVERA, F. 1979. Moluscos marinos de Canarias y Madeira (Gastropoda). Aula de Cultura, Tenerife.
- 925 NOURI, Y. & PASKOFF, R. 1980. Remarques sur le comportement actuel des plages dans le fond du Golfe de Tunis. Rev. Tunisienne Geogr., 6: 145-151.
- 926 NOUVEL, H. 1944. Diagnoses de Mysidaces nouveaux de la Mer Rouge et du Golfe d'Aden. Bull. Soc. Hist. nat. Toulouse, 79: 255-269.
- 927 NOUVEL, H. 1959. XXIX. - Mysidacea. Res. sci. Miss. R.P. Dollfus en Egypte 1927-29, Paris, 28: 195-248.
- 928 NOWACK, E. 1937. Das Kustenland im nordlichen Portugiesisch-Ostafrika. Petermanns Mitt., 83: 47-51.

O

- 929 ODHNER, N. 1919. Contribution à la faune malacologique de Madagascar. Ark. Zool., Stockholm, 12: 52.
- 930 OKERA, W. 1977. A key for the identification of West African marine Gastropoda (Excluding the nudibranch sea-slugs) and Bivalvia. Bull. Inst. mar. Biol. Oceanogr. Univ. Sierra Leone, 2: 26-46.
- 931 OLIFF, W.D., BERRISFORD, C.D., TURNER, W.D., BALLARD, J.A. & McWILLIAM, D.C. 1967a. The ecology and chemistry of sandy beaches and nearshore submarine sediments of Natal. I Pollution criteria for sandy beaches in Natal. Water Res., 1: 115-129.
- 932 OLIFF, W.D., BERRISFORD, C.D., TURNER, W.D., BALLARD, J.A. & McWILLIAM, D.C. 1967b. The ecology and chemistry of sandy beaches and nearshore submarine sediments of Natal. II. Pollution criteria for nearshore sediments of the Natal coast. Water Res., 1: 131-146.
- 933 OLIFF, W.D., GARDNER, B.D., TURNER, W.D. & SHARP, J.B. 1970. The chemistry of the interstitial water as a measure of the conditions in a sandy beach. Water Res., 4: 179-188.
- 934 OLIVIER, M.C. 1983. An annotated systematic checklist of the Angiospermae of the Cape Recife Nature Reserve, Port Elizabeth. J. S. Afr. Bot., 49: 161-174.
- 935 OOSTDAM, B.L. 1984. Tar pollution of beaches in the Indian Ocean, the South China Sea and the South Pacific Ocean. Mar. Pollut. Bull., 15: 267-270. [Sudan, Kenya, South Africa, Seychelles]
- 936 ORLOVA, G. & ZENKOVICH, V. 1974. Erosion of the shores of the Nile Delta. Geoforum, 18: 68-72.
- 937 ORME, A.R. 1973. Barrier and lagoon systems along the Zululand coast. In: COATES, D.R. (ed.) Coastal geomorphology. pp. 181-217. State University of New York, Binghamton, N.Y.
- 938 ORREN, M.J. & EAGLE, G.A. 1979. Tar ball distribution along the Cape of Good Hope tanker route. S. Afr. J. Sci., 75: 465.
- 939 ORREN, M.J., EAGLE, G.A., FRICKE, A.H., GLEDHILL, W.J., GREENWOOD, P.J. & HENNIG, H.F.-K.O. 1981. The chemistry and meiofauna of some unpolluted sandy beaches in South Africa. Water SA, 7: 203-210.
- 940 ORREN, M.J., EAGLE, G.A., FRICKE, A.H., GREENWOOD, P.J., HENNIG, H.F.-K.O. & BARTLETT, P.D. 1981. Preliminary pollution surveys around the south-western Cape coast. Part 4: Salt River mouth, Table Bay. S. Afr. J. Sci., 72: 183-188.

- 941 ORTMANN, A. 1895. Die Decapoden-Krebse des Strasburger Museums, mit besonderer Berücksichtigung der von Herrn Dr Doderlein bei Japan und bei den Liu-Kiu Inseln und zur Zeit, im Strasburgs Museum aufbewahrten Formen. VIII. Brachyura, 3rd suborder, Cancroidea, 2nd division, Cancrinea, 2nd group, Catometopa. Zool Jahrb. Syst., 7: 683-772. [Mauritius, Ocypode]
- 942 OSORIO, B. 1898. Da distribuicao geographica dos peixes e crustaceos colhidos nos possessoes portugezas d'Africa occidental e existentes no Museu Nacional de Lisboa. J. Sci. Lisboa, 19: 185-201.

P

- 943 PAKENHAM, R.H.W. 1979. The birds of Zanzibar and Pemba. British Ornithological Union, London.
- 944 PALLARY, M.G. 1922. Malacologie. In: Exploration scientifique du Maroc. Institut Scientifique Chérifien, Rabat.
- 945 PALLARY, P. 1902. Liste des mollusques testacés de la baie de Tanger. J. conchyliol. Paris, 50: 1-39.
- 946 PALLARY, P. 1904. Addition à la faune malacologique du Golfe de Gabes. J. conchyliol. Paris, 52: 212-248.
- 947 PALLARY, P. 1906. Addition à la faune malacologique du Golfe de Gabes. J. conchyliol. Paris, 54: 77-124.
- 948 PALLARY, P. 1912. Catalogue des mollusques du littoral méditerranéen de l'Egypte. Mem. Inst. égypt., 6: 69-207.
- 949 PALLARY, P. 1914. Liste des mollusques du Golfe de Tunis. Bull. Sci. Hist. nat. Alger, 5: 12-17.
- 950 PALLARY, P. 1920. Exploration du Maroc. Malacologie. Empire chérifien. Arch. sci. Protectorat fr., 2: 1-108.
- 951 PAMMENTER, N.W. 1983. Some aspects of the ecophyiology of Scaveola thunbergii, a subtropical coastal dune pioneer. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 675-685. W. Junk, The Hague.
- 952 PARDI, L. 1967. Studi sull'orientamento astronomici di Anfipodi in regioni equatoriali. Atti. Accad. naz. Ent. Rc., 14: 44-65.
- 953 PARDI, L. 1976a. L'attivit  del Centro di Studio per la Faunistica ed Ecologia Tropicali del Consiglio Nazionale delle Ricerche nel quinquennio 1971-1976. Monit. zool. ital. (N.S.) Suppl., 7: 195-269.
- 954 PARDI, L. 1976b. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. Introduction. Monit. zool. ital. (N.S.) Suppl., 8: 179-183.
- 955 PARDI, L. 1977. La ricerche sul litorale della Somalia del 'Centro di studio per la faunistica ed ecologia tropicali' del C.N.R. Boll. Zool., 44: 51-85.
- 956 PARDI, L. & ERCOLINI, A. 1965. Ricerche sull'orientamento astronomico di Anfipodi litorali della zona equatoriale. II. L'orientamento lunare in una popolazione somala di Talorchestia martensii Weber. Z. vergl. Physiol., 50: 225-249.

- 957 PARDI, L. & ERCOLINI, A. 1966. Ricerche sull'orientamento astronomico di Anfipodi litorali della zona equatoriale. III. L'orientamento solare in una popolazione di Talorchestia martensii Weber a Sud dell'Equatore (4° Lat. S). Monit. zool. ital. (N.S.) Suppl., 1: 80-101. (= Atti Soc. ital. Anat., 1966: 80-101)
- 958 PARDI, L., ERCOLINI, A. & FERRARA, F. 1974. Ritmo di attività e migrazioni di un Crostaceo Anfipodo (Talorchestia martensii Weber) sul litorale della Somalia. Atti Accad. naz. Lincei R. (Cl. Sci. fis. mat. nat.) (VIII), 55: 609-623.
- 959 PARENZAN, P. 1931. Osservazioni biologiche sull'Ocypode ceratophthalma Fabr. Atti Ist. veneto Sci., 40: 1001-1008.
- 960 PARISI, B. 1939. Crostacei Decapodi in: Spedizione zoologica del Marchese S. Patrizi nel basso Giuba e nell'oltregiuba. Ann. Mus. Stor. nat. Genova, 58: 215-217.
- 961 PASKOFF, R. 1981. Tendances actuelles de la recherche en géomorphologie littorale. Z. Geomorphol., 25: 359-363. [Tunisia]
- 962 PASKOFF, R. 1983. L'érosion des plages. La Recherche, 140: 20-28. [Tunisia]
- 963 PASTEUR-HUMBERT, C. 1962a. Les mollusques marins testacés du Maroc. Catalogue non critique. I. Les Gasteropodes. Trav. Inst. sci. cherif. (Zool.), 23: 1-245.
- 964 PASTEUR-HUMBERT, C. 1962b. Les mollusques marins testacés du Maroc. Catalogue non critique. II. Les lamellibranches et les scaphopodes. Trav. Inst. sci. cherif. (Zool.), 28: 1-184.
- 965 PATULLO, D. 1963. Some observations on the ecology of Eurydice longicornis. Unpublished project, Zoology Dept., University of Cape Town.
- 966 PAULIAN DE FELICE, L. 1940. Oniscoides de la côte occidentale d'Afrique. II. Tylidae, Ligiidae, Armadillidiidae. Bull. Soc. zool. Fr., 65: 144-152.
- 967 PENNY, M. 1974. The birds of the Seychelles and the outlying islands. Collins, London.
- 968 PENRITH, M.J. 1978. An annotated check-list of the inshore fishes of southern Angola. Cimbebasia (ser. A), 4: 180-190.
- 969 PERES, J.M. 1967. The Mediterranean benthos. Oceanogr. mar. Biol. ann. Rev., 5: 449-533.
- 970 PESTA, O. 1916. Crustacea 1, Copepoda. Beitr. z. Kenntn. Meeresfauna Westafrikas, vol. 2.
- 971 PEUCHOT, R. 1981. Considerations générales sur les coquilles de mollusques trouvées à Djerba (Tunisie). Naturalistes belges, 62: 29-46.

- 972 PICHON, M. 1966. Note sur la faune des substrats sablo-vaseux infralittoraux de la Baie d'Ambaro (côte nordouest de Madagascar). Cah. O.R.S.T.O.M. (ser. océanogr.), 4: 79-94.
- 973 PICHON, M. 1967. Contribution à l'étude des peuplements de la zone intertidale sur sables fins et sables vaseux non fixes dans la région de Tuléar. Rec. Trav. Sta. mar. Endoume, Suppl., 7: 57-100. (= Ann. Univ. Madagascar, 5: 171-214)
- 974 PICHON, Y., MOUEZA, M. & FRENKIEL, L. 1978. Physiologie de l'organe sensoriel de Donax trunculus L. (Moll. Lam. Tellinacea). J. Physiol., 74: 4,9A.
- 975 PICHON, Y., MOUEZA, M. & FRENKIEL, L. 1980. Mechanoreceptor properties of the sense organ of the cruciform muscle in the tellinacean lamellibranch Donax trunculus L.: an electrophysiological approach. Mar. Biol. Lett., 1: 273-284.
- 976 PIERSMA, T. & MOLENBEEK, R.G. 1982. La malacofaune du Banc d'Arguin (Mauritanie). Corresp. ned. Malac. Veren., 204: 1207-1221.
- 977 PINN, F.M.J. 1973. A first guide to the Indian Ocean seashore. Oxford University Press, Nairobi.
- 978 PINTO, J. dos S. 1950. Foraminiferos dos sedimentos marinhos da Guine Portuguesa. Ann. Jta Invest. colon., Lisboa, 6(2): 1-144.
- 979 PLANTE-CUNY, M.-R. 1980. Microphytobenthos des substrats meubles, chlorophylle a et production primaire. Actes Colloq. Cent. natn. Exploit. Oceans, 10: 153-169. [Madagascar]
- 980 PLESA, C. 1961. New cyclopoids (Crustacea: Copepoda) of the interstitial fauna from the beaches of Ghana. J. W. Afr. Sci. Ass., 7: 1-13.
- 981 POCOCK, M.A. 1939. A phenomenal drift of seaweed in False Bay. J. S. Afr. Bot., 5: 75-79.
- 982 POLLOCK, D.E. 1966. An investigation of some of the physiological properties of the columella muscle of the prosobranch snail Bullia. Unpublished project, Zoology Dept., University of Cape Town.
- 983 POPKISS, M.E.E., HORSTMAN, D.A. & HARPUR, D. 1979. Paralytic shellfish poisoning: a report of 17 cases in Cape Town. S. Afr. med. J., 55: 1017-1023.
- 984 PRINGLE, J.S. & COOPER, J. 1977. Wader populations (Charadrii) of the marine littoral of the Cape Peninsula, South Africa. Ostrich, 48: 98-105.
- 985 PRINS, A.J. 1980. The arthropods associated with decaying organic matter in the southern and western Cape Province. PhD thesis, University of Stellenbosch.

- 986 PRINS, A.J. 1983. Morphological and biological notes on some South African arthropods associated with decaying organic matter. Part 1. Chilopoda, Diplopoda, Arachnida, Crustacea, and Insecta. *Ann. S. Afr. Mus.*, 92: 53-112.
- 987 PRINS, A.J. 1984a. Morphological and biological notes on some South African arthropods associated with decaying organic matter. Part 2. The predatory families Carabidae, Hydrophilidae, Histeridae, Staphylinidae and Silphidae (Coleoptera). *Ann. S. Afr. Mus.*, 92: 295-356.
- 988 PRINS, A.J. 1984b. Morphological and biological notes on some South African arthropods associated with decaying organic matter. Part 3. The families Dermestidae, Cantharidae, Melyridae, Tenebrionidae, and Scarabaeidae (Coleoptera). *Ann. S. Afr. Mus.*, 94: 203-304.
- 989 PROSCH, R.M. & McLACHLAN, A. 1984. The regeneration of surf-zone nutrients by the sand mussel, Donax serra Roding. *J. exp. mar. Biol. Ecol.*, 80: 221-233.
- 990 PUTTICK, G.M. 1972. The feeding ecology of the curlew sandpiper Calidris ferruginea. Unpublished report, Zoology Dept., University of Cape Town.
- 991 PUTTICK, G.M. 1977. Spatial and temporal variations in intertidal animal distribution at Langebaan Lagoon, South Africa. *Trans. Roy. Soc. S. Afr.*, 42: 403-440.
- 992 PUTTICK, G.M. 1978. The diet of the curlew sandpiper at Langebaan Lagoon, South Africa. *Ostrich*, 49: 158-167.
- 993 PUTTICK, G.M. 1979a. Foraging behaviour and activity budgets of curlew sandpipers. *Ardea*, 67: 111-122.
- 994 PUTTICK, G.M. 1979b. The feeding ecology of curlew sandpipers Calidris ferruginea in the south-western Cape, South Africa. PhD thesis, University of Cape Town.
- 995 PUTTICK, G.M. 1980. Energy budgets of curlew sandpipers at Langebaan Lagoon, South Africa. *Estuar. coast. mar. Sci.*, 11: 207-215.
- 996 PUTTICK, G.M. 1981. Sex-related differences in foraging behaviour of curlew sandpipers. *Ornis Scand.*, 12: 13.
- 997 PUTTICK, G.M. 1984. Foraging and activity patterns in wintering shorebirds. In: BURGER, J. & OLLA, B.L. (eds) *Shorebirds: migration and foraging behavior*. pp. 203-231. Plenum Publishing Corporation, New York.

Q

- 998 QUIGNARD, J.-P. & CAPAPE, C. 1971a. Liste commentée des sélaciens de Tunisie. Bull. Inst. natn. scient. tech. Océanogr. Pêche Salammbô, 2: 131-141.
- 999 QUIGNARD, J.-P. & CAPAPE, C. 1971b. Note préliminaire sur le marquage des sélaciens des côtes de Tunisie. Bull. Inst. natn. scient. tech. Océanogr. Pêche Salammbô, 2: 143-155.
- 1000 QUIGNARD, J.-P. & CAPAPE, C. 1971c. Complément à la liste commentée des sélaciens de Tunisie. Bull. Inst. natn. scient. tech. Océanogr. Pêche Salammbô, 2: 445-447.
- 1001 QUIGNARD, J.-P. & CAPAPE, C. 1974. Recherches sur la biologie d'un sélacien du golfe de Tunis, Torpedo torpedo Linné 1758. (Ecologie, sexualité, reproduction). Bull. Inst. natn. scient. tech. Océanogr. Pêche Salammbô, 3: 99-129.

R

- 1002 RAMADAN, M.M. 1936. Report on a collection of Stomatopoda and Decapoda from Ghardaga, Red Sea. Bull. Fac. Sci. Egypt. Univ., 6: 1-43.
- 1003 RANDALL, R.M. & McLACHLAN, A. 1982. Damara terns Sterna balaenarum breeding on the south-eastern Cape coast. Ostrich, 53: 50-51.
- 1004 RATHBUN, M.J. 1900. The decapod crustaceans of West Africa. Proc. U.S. Mus., 22: 271-316.
- 1005 RATHBUN, M.J. 1921. The Brachyuran crabs collected by the American Museum Congo Expedition 1909-1915. Bull. Am. Mus. nat. Hist., 43: 379-468.
- 1006 RATHBUN, M.J. 1933. Reports on the scientific results of an expedition to the south-western highlands of Tanganyika Territory. Bull. Mus. comp. Zool. Harvard, 75: 251-260.
- 1007 READ, G. 1969. A description of the anatomy of Bullia rhodostoma with special reference to the nervous system and its evolution. Unpublished project, Zoology Dept., University of Cape Town.
- 1008 REID, D.M. 1951. Report on the Amphipoda (Gammaridea and Caprellidea) of the coast of tropical West Africa. Atlantide Rep., 2: 189-291.
- 1009 REMANE, A. 1940. Beitrage zur Fauna des Eulitorales von Deutsch Sudwest-Afrika. Kieler Meeresforsch., 111: 2.
- 1010 REMANE, A. 1949. Archianneliden der Familie Nerillidae aus Sudwest-Afrika. Kieler Meeresforsch., 6: 45-50.
- 1011 REMANE, A. 1950. Macrodasus africanus n. sp., ein Gastrotrich von der Kuste Sudwest-Afrikas. Kieler Meeresforsch., 7: 35-37.
- 1012 REMANE, A. & SCHULTZ, E. 1964. Die Strandzonen des Roten Meeres und ihre Tierwelt. Kieler Meeresforsch., Sonderh., 20: 5-17.
- 1013 REMY, P. 1953. Paupodes de la zone subterrestre du littoral méditerranéen. Vie Milieu, 4: 122-125.
- 1014 RENAUD-DEBYSER, J. 1965a. Parastygarctus higginsi n.g., n. sp. Tardigrade marin interstitiel de Madagascar. C.r. hebd. Séanc. Acad. Sci. Paris, 260: 955-957.
- 1015 RENAUD-DEBYSER, J. 1965b. Etude sur un Stygarctide (Tardigrada) nouveau de Madagascar. Bull. Soc. zool. Fr., 90: 31-38.

- 1016** RENAUD-MORNANT, J. 1979a. Tardigrades marins de Madagascar. I. Halechiniscidae et Batillipedidae. Bull. Mus. natn. Hist. nat., Paris, 4e ser., sect. A, 1: 257-277.
- 1017** RENAUD-MORNANT, J. 1979b. Tardigrades marins de Madagascar. II. Stygarctidae et Oreellidae. III. Considérations écologiques générales. Bull. Mus. natn. Hist. nat., Paris, 4e ser., sect. A, 1: 339-351.
- 1018** RETIEF, G.de F. 1971. Sediment transport in Gordon's Bay. Trans. Roy. Soc. S. Afr., 39: 163-182.
- 1019** RIBEIRO, A. 1964. Crustaceos Decapodos Braquiros do Arquipelago de Cabo Verde (Colecao do Centro de Biologia Piscatoria). Notas mimeogr. Centro Biol. pisc., Lisboa, 38: 1-27.
- 1020** RICCI, N., SANTANGELO, G. & LUPORINI, P. 1982. Researches on the coast of Somalia. Sand-dwelling ciliates. Monit. zool. ital. (N.S.) Suppl., 17: 115-148.
- 1021** RICHARDS, D. 1981. South African shells. A collector's guide. Struik, Cape Town.
- 1022** RIVIERE, A. 1952. Etudes de sédimentologie littorale du Laboratoire du S.P.C.N. a Paris. Rev. gen. Hydrobiol., 18(67): 10-13.
- 1023** RODENWALDT, E. 1939. Beobachtungen bei einem Durchbruch der Lagune in Anecho (Togo, Afrika) nach See. Geol. Meere Binnegew., 3: 273-283.
- 1024** ROMAN, M.-L. 1970. Ecologie et repartition de certains groupes d'isopodes dans les divers biotopes de la région de Tuléar (sud-ouest de Madagascar). Rec. Trav. Sta. mar. Endoume, Fasc. h.-s., Suppl., 10: 163-208.
- 1025** ROMAN, M.-L. 1974. Etude d'une plage d'arrière mangrove dans la région de Tuléar (sud-ouest de Madagascar). Migrations tidales des espèces caractéristiques de l'étage mediolittoral. Tethys, 5: 449-465.
- 1026** ROMAN, M.-L. 1977. Les Oniscoides halophiles de Madagascar (Isopoda, Oniscoidea). Beaufortia, 26: 107-152.
- 1027** ROMAN, M.-L. 1979. Tanaidaces et Isopodes benthiques récifaux et littoraux du Sud-ouest de Madagascar. Autécologie synécologie chorologie. Thèse, Université d'Aix-Marseille III, 413pp.
- 1028** ROMER, G.L. 1985. Food chains associated with surf zone phytoplankton accumulations. MSc thesis, University of Port Elizabeth.
- 1029** ROSSIGNOL, M. 1957. Crustacés décapodes marins de la région de Pointe-Noire. In: COLLIGNON, J., ROSSIGNOL, M. & ROUX, C. (eds) Mollusques, crustaces et poissons marins des côtes d'A.E.F. en collection du Centre d'Océanographie de l'Institut d'Etudes Centrafricaines de Pointe-Noire. pp. 71-136. Paris.

- 1030 ROSSO, J.C. 1979. Mollusques testacés (Macrofaune). In: BUROLLET, P.F. & WINNOCK, E. (eds) La Mer pélagienne. Etude sédimentologique et écologique du plateau tunisien et du Golfe de Gabes. Geol. méditerran., 6: 143-170.
- 1031 ROSSOUW, G.J. 1983. The biology of the sandshark Rhinobatos annulatus in Algoa Bay with notes on other elasmobranchs. PhD thesis, University of Port Elizabeth.
- 1032 ROSSOUW, G.J. 1984. Age and growth of the sand shark, Rhinobatos annulatus, in Algoa Bay. J. Fish. Biol., 25: 213-222.
- 1033 ROST, H. & SOOT-RYEN, T. 1955. Pelecypods from the Seychelles Islands collected by Mr W.V. Hasselberger. Acta Borealia, 8A: 1-23.
- 1034 ROY, R. 1964. Récoltes de M.A. Villiers dans les dunes côtières du Sénégal (1961). Orthoptères et ordres voisins. Bull. I.F.A.N. ser. A, 26: 1177-1198.
- 1035 RUFFO, S. 1938a. Studi sui Crostacei Anfipodi. Gli Anfipodi del Mediterraneo. Ann. Mus. Stor. nat. Genova, 60: 127-151.
- 1036 RUFFO, S. 1938b. Studi sui Crostacei Anfipodi. Gli Anfipodi del Mar Rosso. Ann. Mus. Stor. nat. Genova, 60: 152-180.
- 1037 RUFFO, S. 1953. Anfipodi di aque interstiziali raccolti dal Dr C. Delamare Deboutteville in Francia, Spagne e Algeria. Vie Milieu, 4: 669-681.
- 1038 RUFFO, S. 1956. Psamminophargus pauliani n.g. n. sp., nouveau Gammaride des eaux interstitielles de l'île de la Reunion. Mem. Inst. sci. Madagascar, 11A: 89-95.
- 1039 RUFFO, S. 1959. Amphipodes terrestres et des eaux continentales de Madagascar, des Comores et de la Reunion. Etudes sur les Crustacés Amphipodes. Mem. Inst. Sci. Madagascar, 12A: 35-66.
- 1040 RULLIER, F. 1963. Une petite collection d'annelides polychètes de l'île Maurice. Bull. Soc. zool. Fr., 87: 471-481.
- 1041 RULLIER, F. 1965. Contribution à la faune des annelides polychètes du Dahomey et du Togo. Cah. O.R.S.T.O.M. (Ser. Océanogr.), 3: 5-66.
- 1042 RULLIER, F. & AMOUREUX, L. 1969. Nouvelle contribution à l'étude de la faune des annelides polychètes du Maroc. Bull. Soc. Sci. nat. phys. Maroc, 49: 109-142.

S

- 1043 SAID, R. 1958. Remarks on the geomorphology of the delataic coastal plain between Rosetta and Port Said. Bull. Soc. geogr. Egypte, 31: 115-125.
- 1044 SAID, R. & KAMEL. T. 1957. The distribution of Foraminifera in the Egyptian mediterranean coast. Egypt. J. Geol., 1: 143-155.
- 1045 SALDANHA, L. 1973. La côte du Mozambique. Résultats d'une exploration zoologique préliminaire. Bull. Mus. natn. Hist. nat. Paris (Ecol. gén.) (3ème Ser.), 1973 (14): 249-259.
- 1046 SALL, M. 1973. La côte nord de la presqu'île du Cap Vert. Nouvelles observations de géomorphologie dynamique. Bull. I.F.A.N. ser. A, 35: 741-763.
- 1047 SANCHES, J.G. 1963. Contribuicao para o estudo dos peixes teleosteos da ilha de Inhaca (Mocambique). Mem. Jta Inv. Ultramar Lisboa, 44: 1-207.
- 1048 SANDON, H. 1937. Differential growth in the crab Ocypoda. Proc. zool. Soc. Lond., 107A: 397-414.
- 1049 SAPIEKA, N. 1948. Mussel poisoning. S. Afr. med. J., 22: 337-338.
- 1050 SAPIEKA, N. 1953. Actions of mussel poison. Arch. int. Pharmacodyn., 93: 136-142.
- 1051 SAPSFORD, C.W. & HUGHES, G.R. 1978. Body temperature of the loggerhead sea turtle Caretta caretta and the leatherback sea turtle Dermodochelys coraicea during nesting. Zool. afr., 13: 63-69.
- 1052 SAURO, U. 1980. Appunti sulla morfologia costiera della Somalia (zona di Mogadiscio). Universo, 60: 617-646.
- 1053 SCAPINI, F. & ERCOLINI, A. 1973. Research on the non-visual orientation of littoral amphipods: experiments with young born in captivity and adults from a Somalian population of Talorchestia martensii Weber (Crustacea Amphipoda). Monit. zool. ital. (N.S.) Suppl., 5: 23-30.
- 1054 SCARFE, A.D. 1972. An ecological study of psammofauna in the Black River mouth and along the sandy beach of Table Bay, South Africa, with considerations of the effect of pollution. Unpublished project, Zoology Dept., University of Cape Town.
- 1055 SCHELLENBERG, A. 1925. Crustacea VIII. Amphipoda. Beitrage zur Kenntnis der Meeresfauna Westafrikas. W. Michaelsen, Hamburg, 3(4): 113-204.
- 1056 SCHELLENBERG, A. 1939. Amphipoden des Kongo-Mundungsgebietes. Rev. Zool. Bot. afr. Tervueren, 32: 122-139.

- 1057 SCHMITT, W.I. 1935. A new species of Emerita (Crustacea) from South Africa. *Ann. S. Afr. Mus.*, 32: 25-30.
- 1058 SCHMALFUSS, H. & FERRARA, F. 1978. Terrestrial isopods from West Africa. Part 2: Families Tylidae, Ligiidae, Trichoniscidae, Styloniscidae, Rhyscotidae, Halophilosciidae, Phylosciidae, Platyarthridae, Trachelipidae, Porcellionidae, Armadillidiidae. *Monit. zool. ital. (N.S.) Suppl.*, 11: 15-97.
- 1059 SCHMALFUSS, H. & FERRARA, F. 1982. Observations on the distribution and ecology of terrestrial isopods (Oniscoidea) in south-west Cameroon. *Monit. zool. ital. (N.S.) Suppl.*, 17: 243-265.
- 1060 SCHOCKAERT, E. 1971. Turbellaria from Somalia. 1. Kalyptorhynchia (Part 1). *Monit. zool. ital. (N.S.) Suppl.*, 4: 101-122.
- 1061 SCHROEDER, J.H. 1982. Aspects of coastal management in the Sudanese Red Sea. *J. Fac. mar. Sci. Jeddah*, 2: 45-68.
- 1062 SCHWENGLER, E. 1948. Vorgänge subaerischer Diagenese in Kustendunensanden des ägyptischen Mittelmeer-Gebietes. *Neues Jb., Monatsh., Abt. B*, 1945-48: 9-16.
- 1063 SERENE, R. 1977a. Crustacés Hippides et Brachyours des îles Séchelles (1ère partie). *Rev. zool. afr.*, 91: 45-68.
- 1064 SERENE, R. 1977b. Crustacés Hippides et Brachyours des îles Séchelles (2ème partie). *Rev. zool. afr.*, 91: 748-765.
- 1065 SERET, B. & OPIC, B. 1981. Poissons de mer de l'ouest Africain tropical. *Initiations-Doc. téch. O.R.S.T.O.M.*, 49: 1-416.
- 1066 SERRURIER, D. 1983. Lactate dehydrogenase and malate dehydrogenase in Bullia rhodostoma (Gastropoda, Nassariidae). A structural study and comparison to a related species. Unpublished project, Zoology Dept., University of Cape Town.
- 1067 SEURAT, L.-G. 1924. Observations sur les limites, les facies et les associations animales de l'étage intercotidal de la Petite Syrte (Golfe de Gabes). *Bull. Sta. océanogr. Salammbô*, 3: 1-72.
- 1068 SEURAT, L.-G. 1927. L'étage intercotidal des côtes algériennes. *Bull. Trav. Publ. Sta. Agric. Pêche Castiglione*, 1927: 11-33.
- 1069 SEURAT, L.-G. 1929. Observations nouvelles sur les facies et les associations animales de l'étage intercotidal de la Petite Syrte (Golfe de Gabes). *Bull. Sta. océanogr. Salammbô*, 12: 1-59.
- 1070 SEURAT, L.-G. 1934. Formations littorales et estuaires de la Syrte mineure (Golfe de Gabes). *Bull. Sta. océanogr. Salammbô*, 32: 1-65.
- 1071 SEURAT, L.-G. 1935. Etage intercotidal des côtes algériennes. *Bull. Sta. Aquic. Alger*, 1933: 9-47.

- 1072 SHANNON, L.V. & CHAPMAN, P. 1983a. Suggested mechanism for the chronic pollution by oil of beaches east of Cape Agulhas, South Africa. *S. Afr. J. mar. Sci.*, 1: 231-244.
- 1073 SHANNON, L.V. & CHAPMAN, P. 1983b. Incidence of Physalia on beaches in the south western Cape Province during January 1983. *S. Afr. J. Sci.*, 79: 454-458.
- 1074 SHANNON, L.V., CHAPMAN, P., EAGLE, G.A. & McCLURG, T.P. 1983. A comparative study of tar ball distribution and movement in two boundary current regimes. *Oil petrochem. Pollut.*, 1: 243-259.
- 1075 SHANNON, L.V., WALTERS, N.M. & MOLDAN, A.G.S. 1983. Some features in two Cape Bays as deduced from satellite ocean-colour imagery. *S. Afr. J. mar. Sci.*, 1: 111-122.
- 1076 SHAUGHNESSY, P.D. 1980. Food of kelp gulls Larus dominicanus at Square Point, South West Africa. *Cormorant*, 8: 99-100.
- 1077 SHOEMAKER, L.R. 1920. Amphipods collected by the American Museum Congo Expedition 1909-1915. *Bull. Am. Mus. nat. Hist.*, 43: 371-378. 429-441.
- 1078 SHUKRI, N.M. & PHILIP, G. 1956. The geology of the Mediterranean coast between Rosetta and Bardia; Part 1. Recent sediments, mechanical analysis and mineral composition. *Bull. Inst. Egypte*, 37: 377-386. [Egypt, Libya]
- 1079 SIEBEN, P. 1982. Biology of Tylos capensis (Krauss). Unpublished project, Zoology Dept., University of Port Elizabeth.
- 1080 SIEGFRIED, W.R. 1977. Mussel dropping behaviour of kelp gulls. *S. Afr. J. Sci.*, 73: 337-341.
- 1081 SIESSER, W.G. 1971. Mineralogy and diagenesis of some South African coastal and marine carbonates. *Mar. Geol.*, 10: 15-38.
- 1082 SIESSER, W.G. 1972. Abundance and distribution of carbonate constituents in some South african coastal and offshore sediments. *Trans. Roy. soc. S. Afr.*, 40: 261-278.
- 1083 SIESSER, W.G. 1973. Ca/Mg and Sr/Ca ratios of some South African coastal and offshore carbonate sediments. *Bull. Am. Ass. Petrol. Geol.*, 57: 930-932.
- 1084 SILBERBAUER, B.I. 1969a. Archiannelids of the genus Saccocirrus from southern Africa. *Trans. Roy. Soc. S. Afr.*, 38: 165-182.
- 1085 SILBERBAUER, B.I. 1969b. Further archiannelids from southern Africa. *Trans. Roy. Soc. S. Afr.*, 38: 341-346.
- 1086 SKEAD, D.M. 1966. Birds frequenting the intertidal zone of the Cape Peninsula. *Ostrich*, 37: 10-16.
- 1087 SLOFF, D.S. 1984. Spatiotemporal biomass distribution of surf zone phytoplankton. MSc thesis, University of Port Elizabeth.

- 1088 SLOFF, D.S., McLACHLAN, A. & BATE, G.C. 1984. Spatial distribution and diel productivity of Anaulus birostratus Grunow in a surf zone in Algoa Bay, South Africa. Bot. Mar., 27: 461-465.
- 1089 SMITH, D.A.S. 1971. Polymorphism and population density in Donax rugosus (Lamellibranchiata: Donacidae). J. Zool., Lond., 164:
- 1090 SMITH, D.A.S. 1975. Polymorphism and selective predation in Donax faba Gmelin (Bivalvia: Tellinacea). J. exp. mar. Biol. Ecol., 17: 205-219.
- 1091 SMITH, E.A. 1871. A list of species of shells from West Africa, with descriptions of these hitherto undescribed. Proc. zool. Soc., Lond., 1871: 727-735.
- 1092 SMITH, E.A. 1904. On a collection of marine shells from Port Alfred, Cape Colony. J. Malacol., 11: 21-44.
- 1093 SMITH, E.A. 1906. On South African marine Mollusca, with descriptions of new species. Ann. Natal. Govt Mus., 1: 19-71.
- 1094 SMITH, E.A. 1910. On South African marine Mollusca, with descriptions of new species. Ann. Natal Mus., 2: 175-219.
- 1095 SMITH, J.L.B. 1965. The sea fishes of southern Africa. Central News Agency, Johannesburg.
- 1096 SMITH, J.L.B. & SMITH, M.M. 1963. The fishes of the Seychelles. Rhodes University, Grahamstown.
- 1097 SMITH, S. 1967. Shelling on Aldabra. Circ. Conch. Soc. S. Afr., 84: 3-5.
- 1098 SORDI, M. 1947. Mollusci marini delle coste della Somalia. Atti Soc. ital., Milano, 86: 150-156.
- 1099 SOURIE, R. 1954. Etude écologique sommaire des fonds sableux en Baie de Dakar. Ann. Ecole sup. Sci., Dakar, 1: 141-155.
- 1100 SOURIE, R. 1957. Etude écologique des plages de la côte Sénégalaise aux environs de Dakar. Ann. Ecole sup. Sci. Dakar, 3: 1-110.
- 1101 SOWERBY, G.B. 1892. Marine shells of South Africa. Sowerby, London.
- 1102 SOWERBY, G.B. 1894. Marine shells of South Africa. J. Conch., 7: 368-378.
- 1103 SOWERBY, G.B. 1897. Appendix to "Marine shells of South Africa, &c." 4: 1-42.
- 1104 SPANDL, H. 1924. Die Amphipoden des Roten Meeres. Expedition des S.M. Schiff "Pola" in das Rote Meer, 1895-98. Denkschr. Akad. Wiss. Wien, 99: 19-73.

- 1105 SPRY, J.F. 1961. The sea shells of Dar-es-Salaam. Gastropods. Tanganyika Notes, 56: 1-34.
- 1106 STEARNS, R.E.C. 1893. Preliminary report on the molluscan species collected by the United States Scientific Expedition to West Africa. Publ. U.S. Mus., 16: 317-339.
- 1107 STEBBING, T.R.R. 1902. South African Crustacea. Part II. Mar. Invest. S. Afr., 8: 1-92.
- 1108 STEBBING, T.R.R. 1910a. Report on the marine biology of the Sudanese Red Sea. XIV. On the Crustacea Isopoda and Tanaidacea. J. linn. Soc. Zool., 31: 215-230.
- 1109 STEBBING, T.R.R. 1910b. Isopoda from the Indian Ocean and British East Africa. J. linn. Soc. Lond. ser. 2, Zool., 14: 83-118.
- 1110 STEBBING, T.R.R. 1910c. General catalogue of South African Crustacea. Ann. S. Afr. Mus., 6: 281-593.
- 1111 STEBBING, T.R.R. 1917a. South African Talitridae. Ann. Mag. nat. Hist. Lond., Ser. 8, 19: 330-331.
- 1112 STEBBING, T.R.R. 1917b. The Malacostraca of Durban Bay. Ann. Mus. Durban, 1: 435-450.
- 1113 STEBBING, T.R.R. 1917c. South African Crustacea. Part IX. Ann. S. Afr. Mus., 17: 23-46.
- 1114 STEBBING, T.R.R. 1918. Some Crustacea of Natal. Ann. Mus. Durban, 2: 47-74.
- 1115 STEBBING, T.R.R. 1922. Isopoda and Amphipoda from Angola and South Africa. Goteborg Ventensk. Handl., 25(2): 1-16.
- 1116 STENTON-DOZEY, J. 1979. The life cycle of *Fucellia capensis* (Diptera), with estimates of growth and consumption rates for the larvae. Unpublished project, Zoology Dept., University of Cape Town.
- 1117 STENTON-DOZEY, J. 1983. Stranded kelp - its fauna and influence on sandy beach energetics. MSc thesis, University of Cape Town.
- 1118 STENTON-DOZEY, J. & GRIFFITHS, C.L. 1980. Growth, consumption and respiration by larvae of the kelp-fly *Fucellia capensis* (Diptera: Anthomyiidae). S. Afr. J. Zool., 15: 280-283.
- 1119 STENTON-DOZEY, J. & GRIFFITHS, C.L. 1983. The fauna associated with kelp stranded on a sandy beach. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 557-568. W. Junk, The Hague.
- 1120 STEPHEN, A.C. 1942. Notes on the intertidal sipunculids of Cape Province and Natal. Ann. Natal Mus., 10: 245-256.

- 1121 STIASNY-WIJNHOF, G. 1942. Nemertinen des westafrikanischen Kuste. Zool. Jahrb. Jena (Syst.), 75: 121-194.
- 1122 STOCH, C. 1975. Daily rhythms of oxygen consumption in the isopod Tylos granulatus (Latreille), and the effects that light has on the rhythms. Unpublished project, Zoology Dept., University of Cape Town.
- 1123 STORCH, V. 1966. Die neue Polychaeten aus dem Litoral des Roten Meeres. Keil. Meeresforsch., 82: 171-175.
- 1124 STRATTEN, T. 1974. Notes on the applicability of shape parameters to differentiate between beach and river sediments. Trans. Geol. Soc. S. Afr., 77: 59-64.
- 1125 STRENZKE, K. 1953. Nematolycus nematoides n.g. n.sp. (Acarina Trombidiformes) aus dem Grundwasser der Algerianischen Kuste. Vie Milieu, 4: 638-647.
- 1126 STRONG, A. 1985. A vegetation study of the proposed coastal National Botanic Garden, East London. Unpublished project, Department of Plant Sciences, Rhodes University, Grahamstown.
- 1127 STUART, C.T. 1975. Marine fauna collected at Sandwich Harbour, Namib Desert Park, South West Africa. Madoqua, 4: 101-102.
- 1128 STUDER, T. 1883. Verzeichniss der wahrend der Reise S.M.S. "Gazelle" and der Westkuste von Afrika, Ascension und dem Cap der guten Hoffnung gesammelten Crustaceen. Abh. K. Akad. Wiss. Berlin, 1882: 1-32.
- 1129 SUGDEN, J.M. 1985. A study of the environmental conditions and beach stabilisation at West Beach, Port Alfred. Unpublished project, Department of Plant Sciences, Rhodes University, Grahamstown.
- 1130 SUMMERS, R.W. 1977. Distribution, abundance and energy relationships of waders (Aves: Charadrii) at Langebaan Lagoon. Trans Roy. Soc. S. Afr., 42: 483-494.
- 1131 SUMMERS, R.W. & COOPER, J. 1977. The population ecology and conservation of the black oystercatcher Haematopus moquini. Ostrich, 48: 28-40.
- 1132 SUMMERS, R.W., COOPER, J. & PRINGLE, J.S. 1977. Distribution and numbers of coastal waders (Charadrii) in the south-western Cape, South Africa, Summer 1975-76. Ostrich, 48: 85-97.
- 1133 SUMMERS, R.W. & HOCKEY, P.A.R. 1980. Breeding biology of the white-fronted plover Charadrius marginatus in the south-western Cape, South Africa. J. nat. Hist., 14: 433-446.
- 1134 SUMMERS, R.W., PRINGLE, J.S. & COOPER, J. 1976. The status of coastal waders in the south-western Cape, South Africa. Western Cape Wader Study Group, Cape Town.
- 1135 SUMMERS, R.W. & WALTNER, M. 1979. Seasonal variations in the mass of waders in southern Africa, with special reference to migration. Ostrich, 50: 21-37.

- 1136** SWART, D.H. 1971. Die effek van verwringing op kus-profieele. MSc thesis, University of Stellenbosch.
- 1137** SWART, D.H. 1974. Offshore sediment transport and equilibrium beach profiles. Delft Hydraulics Lab., Publ. No. 131.
- 1138** SWART, D.H. 1983. Physical aspects of sandy beaches - a review. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 5-44. W. Junk, The Hague.
- 1139** SWART, D.H. & CROWLEY, J.B. 1983. Wave-generated water flow through a porous sea bed. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 177-189. W. Junk, The Hague.

T

- 1140 TARAYEVA, O.K. 1974. Some geomorphologic prerequisites for beach placer deposit formation in the southern and southeastern Mediterranean. Tr. Nauchno-Issled. Lab. Geol. Zarubezh., 27: 211-225. [In Russian]
- 1141 TASTET, J.P. 1980. Morphologie des littoraux sédimentaires liées aux variations du niveau de la mer; exemple du golfe de Guinée. Oceanis, 7: 455-472.
- 1142 TATTERSALL, O.S. 1958. Further notes on Mysidacea from South African waters. Trans. Roy. Soc. S. Afr., 35: 373-385.
- 1143 TAYLOR, F.J. 1967. The occurrence of Euqlena deses on the sands of the Sierra Leone peninsula. J. Ecol., 55: 345-349.
- 1144 TAYLOR, J.D. 1968. Coral reefs and associated invertebrate communities (mainly molluscs) around Mahé, Seychelles. Phil. Trans. Roy. Soc. B., 254: 129-206.
- 1145 TEBBLE, N. 1953. On a new and aberrant marine annelid from Natal, South Africa (Fauvella pulchra n.g. n.sp.). Ann. Mag. Nat. Hist., 6: 937-944.
- 1146 TEBBLE, N. 1955. The polychaete fauna of the Gold Coast. Bull. Brit. Mus. (Nat. Hist.) Zool. Lond., 3: 59-148.
- 1147 THEROUD, J. 1974. Hétérides d'Afrique orientale et sud-orientale. Monit. zool. ital. (N.S.) Suppl., 5: 101-109.
- 1148 THIELE, J. 1917. Marine und litorale Mollusca von Madagascar, den Comoren und Ostafrika (Sammlung Voeltzkow 1903-5). Voeltzkow's Reise in Ostafrika, Stuttgart, 3: 561-564.
- 1149 THOMASSIN, B. 1969. Identification, variabilité et écologie des Hippidae (Crustacea, Anomura) de la région de Tuléar, sud-ouest de Madagascar. Rec. Trav. Sta. mar. Endoume, Fasc. h.-s. Suppl., 9: 135-177.
- 1150 THOMASSIN, B. 1978. Les peuplements des sédiments coralliens de la région de Tuléar (sud-ouest de Madagascar). Leur insertion dans le contexte côtier indo-pacifique. Thèse Doc. es-Sci., Université d'Aix-Marseille II.
- 1151 THUM, A. B. & ALLEN, J.C. 1975. Distribution and abundance of the lamp urchin Echinolampas crassa (Bell) 1880 in False Bay, Cape. Trans. Roy. Soc. S. Afr., 41: 359-373.
- 1152 THUM, A.B. & ALLEN, J.C. 1976. Reproductive ecology of the lamp urchin Echinolampas crassa (Bell) 1880 from a subtidal biogenous ripple train. Trans. Roy. Soc. S. Afr., 42: 23-33.
- 1153 THURMAN, G.D. 1983. First aid for stranded marine mammals. Durban Aquarium and Dolphinarium, Durban.

- 1154 TILNEY, R.L. 1979. A comparative ecological study of three different sand dune types. Unpublished project, Department of Plant Sciences, Rhodes University, Grahamstown.
- 1155 TOMLIN, J.R.leB. 1923. The marine Mollusca of Sao Thomé, III. J. Conch. Leeds, 17: 89-94.
- 1156 TOMLIN, J.R.leB. & SHACKLEFORD, L.J. 1915. The marine Mollusca of Sao Thomé, I. J. Conch. Leeds, 14: 239-256, 267-276.
- 1157 TORELLI, B. 1933. Le specie mediterranee del gen. Eurydice. Boll. Soc. nat. Napoli, 44: 75-80.
- 1158 TOURENO, J. 1964. Contribution a l'etude de quelques sables de la presqu'ile du Cap-Vert, Senegal. Bull. Soc. Geol. France, 7eme ser., 6: 666-673.
- 1159 TRAYLOR, M.A. 1963. Check-list of Angolan birds. Publ. Cult. Co. Diam. Angola, 61: 1-250.
- 1160 TRICART, J. 1957. Aspects et problèmes géomorphologiques du littoral occidental de la Côte d'Ivoire. Bull. I.F.A.N. ser. A, 19: 1-20.
- 1161 TROTIGNON, J., TROTIGNON, F., BAILLOU, M., DEJONGHE, J.-F., DUHAUTOIS, L. & LECOMPTE, M. 1980. Recensement hivernal des Limicoles et autres oiseaux aquatiques sur le banc d'Arguin (Mauritanie) (Hiver 1978-1979). Oiseau Rev. fr. Ornithol., 50: 323-343.
- 1162 TRUEMAN, E.R. & BROWN, A.C. 1975. Dynamics of locomotion in Bullia (Gastropoda; Prosobranchiata). S. Afr. J. Sci., 71: 188.
- 1163 TRUEMAN, E.R. & BROWN, A.C. 1976. Locomotion, pedal retraction and extension, and the hydraulic systems of Bullia (Gastropoda, Nassariidae). J. Zool., Lond., 178: 365-384.
- 1164 TUCK, G.S. 1979. A field guide to the seabirds of southern Africa and the world. Collins, London.
- 1165 TURKAY, M. 1981. Die Expedition von K. Mobius nach Mauritius und den Seychellen (1874-75) und die dort gesammelten Decapoda Reptantia. I. Brachyura excl. Dromiacea, mit Beschreibung von Menaethiops moebii. Mitt. zool. Mus. Kiel., 1(7): 35-64.
- 1166 TURTON, W.H. 1932. The marine shells of Port Alfred, S. Africa. Oxford University Press, Oxford.

U

- 1167 UNDERHILL, L.G. 1981. A classification of parts of the southern African coastline based on counts of waders (Charadrii). In: COOPER, J. (ed.) Proceedings of the symposium on birds of the sea and shore, 1979. pp. 315-333. African Seabird Group, Cape Town.
- 1168 UNDERHILL, L.G. 1983. Two graphical display methods for ecological data matrices. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 433-439. W. Junk, The Hague.
- 1169 UNDERHILL, L.G. & COOPER, J. 1982. Counts of waterbirds on the shoreline in southern Africa, 1978-1981. Western Cape Wader Group and Percy Fitzpatrick Institute of African Ornithology, Cape Town.
- 1170 UNDERHILL, L.G., COOPER, J. & WALTNER, M. 1980. The status of waders (Charadrii) and other birds in the coastal region of the southern and eastern Cape, summer 1978/79. Western Cape Wader Study Group, Cape Town.
- 1171 UNDERHILL, L.G. & WHITELOW, D.A. 1977. An ornithological expedition to the Namib coast, Summer 1976/77. Western Cape Wader Study Group, Cape Town.
- 1172 USCHAKOV, P.V. 1970. Observations sur la repartition de la faune benthique du littoral Guinéen. Cah. Biol. mar., 11: 435-457.
- 1173 USORAH, E.J. 1971. Recent rates of shoreline retreat at Victoria beach, Lagos. Niger. Geogr. J., 14: 49-58.

V

- 1174 VADER, W. 1970. Talorchestia brito Stebbing: notes on distribution, taxonomy and biology. *Sarsia*, 42: 83-96.
- 1175 VADER, W. 1982. Pied wagtails catching young ghost crabs. *Ostrich*, 53: 205. [Kenya]
- 1176 VALBONESI, A. & LUPORINI, P. 1984. Researches on the coast of Somalia. *Gastrotricha Macrodasypoidea*. *Monit. zool. ital. (N.S.) Suppl.*, 19: 1-34.
- 1177 VAN AS, D., FOURIE, H.O. & VLEGGAR, C.M. 1975. Trace element concentrations in marine organisms from the Cape west coast. *S. Afr. J. Sci.*, 71: 151-154.
- 1178 VAN DER ELST, R. 1981. A guide to the common sea fishes of southern Africa. *Struik*, Cape Town.
- 1179 VAN DOUWE, C. 1929. Marine Litoral-Copepoda: zur Verbreitung des Genus Laophonte Philippi im Mittelmeer. *Zool. Anz.*, 83: 283-294.
- 1180 VAN NAME, W.G. 1920. Isopods collected by the American Museum Congo expedition. *Bull. Am. Mus. nat. Hist.*, 43: 41-108.
- 1181 VAN SENUS, P. 1984. Ecology of a terrestrial amphipod in an eastern Cape coastal dune field. MSc thesis, University of Port Elizabeth.
- 1182 VAN SENUS, P. 1985. The effects of temperature, size, season and activity on the metabolic rate of the amphipod, Talorchestia capensis (Crustacea, Talitridae). *Comp. Biochem. Physiol.*, 81A: 263-269.
- 1183 VANDEN BERGHEN, C. 1981. Plantes et animaux du rivage marin. *Naturalistes Belges*, 62: 25-28. [Tunisia]
- 1184 VANHOEFFEN, E. 1914. Die Isopoden der deutschen Sudpolar-expedition, 1901-1903. *Deutsche Sudpolar-Exp.*, 15: 449-598.
- 1185 VANNINI, M. 1975a. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. 4. Orientation and anemotaxis in the land hermit crab Coenobita rugosus Milne Edwards. *Monit. zool. ital. (N.S.) Suppl.*, 6: 57-90.
- 1186 VANNINI, M. 1975b. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. 5. Description and rhythmicity of digging behaviour in Coenobita rugosus Milne Edwards. *Monit. zool. ital. (N.S.) Suppl.*, 6: 223-242.
- 1187 VANNINI, M. 1976a. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. 7. Field observations on the periodical transdunal migrations of the hermit crab Coenobita rugosus Milne Edwards. *Monit. zool. ital. (N.S.) Suppl.*, 7: 145-185.

- 1188 VANNINI, M. 1976b. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. 10. Sandy beach decapods. *Monit. zool. ital. (N.S.) Suppl.*, 8: 225-286.
- 1189 VANNINI, M. 1980a. Notes on the behaviour of Ocypode ryderi Kingsley (Crustacea, Brachyura). *Mar. Behav. Physiol.*, 7: 171-183.
- 1190 VANNINI, M. 1980b. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. 27. Burrows and digging behaviour in Ocypode and other crabs (Crustacea Brachyura). *Monit. zool. ital. (N.S.) Suppl.*, 13: 11-44.
- 1191 VANNINI, M., CHELAZZI, L., ERCOLINI, A., FERRARA, F., MESSANA, G., MESSERI, P. & PARDI, L. 1977. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. 13. Physical environment: geomorphological notes, climate and tides. *Monit. zool. ital. (N.S.) Suppl.*, 9: 249-271.
- 1192 VANNINI, M. & INSOM, E. 1976. Notes on the behaviour of crustacean decapods in an electric field. *Monit. zool. ital. (N.S.)*, 10: 265-269.
- 1193 VANNINI, M. & VALMORI, P. 1981. Researches on the coast of Somalia. The shore and the dune of Sar Uanle. 31. Ocypodidae and Gecarcinidae (Decapoda Brachyura). *Monit. zool. ital. (N.S.) Suppl.*, 14: 199-226.
- 1194 VARLET, F. 1958. Les traits essentiels du régime côtier de l'Atlantique près d'Abidjan (Côte d'Ivoire). *Bull. I.F.A.N. ser. A*, 20: 1089-1102.
- 1195 VERHOEFF, K.W. 1949. Tylos, eine terrestrich-maritime RuckwanderGattung der Isopoden. *Arch. Hdrobiol., Stuttgart*, 42: 329-340.
- 1196 VERSTRAETE, J.-M. & PICAUT, J. 1983. Variations du niveau de la mer, de la température de surface, et des hauteurs dynamiques le long de la côte nord du Golfe de Guinée. *Oceanogr. trop.*, 18: 139-162.
- 1197 VIADER, R. 1932. Revised catalogue of the testaceous Mollusca of Mauritius and its dependencies. *Bull. Maurit. Inst.*, 1: 1-70.
- 1198 VIADER, R. 1951. New or unrecorded shells from Mauritius and its dependencies. *Bull. Maurit. Inst.*, 3: 127-155.
- 1199 VILELA, H. 1949. Crustaceos decapodes e estomatopodes da Guine Portuguesa. *Ann. Jta Invest. colon., Lisboa*, 4: 47-70.
- 1200 VILLIERS, A. 1962. Compte rendu sommaire d'une mission au Sénégal. *Bull. I.F.A.N. ser. A*, 24: 628-630.
- 1201 VINCENT, L.P.D. 1977. Salt tolerance and seed viability of Scaveola thunbergii. Unpublished project, Department of Plant Sciences, Rhodes University, Grahamstown.

- 1202** VITIELLO, P. & TRIKI, S. 1978. Données écologiques sur la meiofaune interstitielle du bas des plages du Golfe de Tunis. Arch. Inst. Pasteur Tunis, 55: 384-398.
- 1203** VON MARTENS, E. 1903. Verbreitung der Meer-Conchylien an den Küsten von West- und Süd-Afrika. Sitzungsber. Ges. naturforsch. Freunde Berlin, 1903: 188-193.
- 1204** VOSS, G.L. 1966. The R/V Pillsbury deep-sea biological expedition to the Gulf of Guinea, 1964-65. 1. Narrative of the cruises. Stud. trop. Oceanogr., 4: 1-60.

W

- 1205 WALLACE, J.H. 1967a. The batoid fishes of the east coast of southern Africa: Part 1: sawfishes and guitarfishes. Invest. Rep. Oceanogr. res. Inst., Durban, 15: 1-32.
- 1206 WALLACE, J.H. 1967b. The batoid fishes of the east coast of southern Africa: Part 2: manta, eagle, duckbill, cownose, butterfly and sting rays. Invest. Rep. Oceanogr. Res. Inst., Durban, 16: 1-56.
- 1207 WALLACE, J.H. 1967c. The batoid fishes of the east coast of southern Africa: Part 3: skates and electric rays. Invest. Rep. Oceanogr. Res. Inst. Durban, 17: 1-62.
- 1208 WALSH, B.N. 1968. Some notes on the incidence and control of driftsands along the Caledon, Bredasdorp and Riversdale coastline of South Africa. Government Printer, Pretoria.
- 1209 WARD, C.J. 1971. The plant ecology of the Isipingo Beach area, Natal, South Africa. MSc thesis, University of Natal, Durban.
- 1210 WARD, C.J. 1980. The plant ecology of the Isipingo Beach area, Natal, South Africa. Mem. bot. Surv. S. Afr., 45: XX-XX.
- 1211 WARRILOW, D. 1982. Bullia rhodostoma. Redwing, 1982: 31-32.
- 1212 WATLING, H.R. & WATLING, R.J. 1983a. Donax serra and Bullia rhodostoma: possible bioindicators of trace metal pollution of sandy beaches, with particular reference to the south-eastern Cape. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 303-314. W. Junk, The Hague.
- 1213 WATLING, H.R. & WATLING, R.J. 1983b. Sandy beach molluscs as possible bioindicators of metal pollution. 1. Field survey. Bull. environ. contam. Toxicol., 31: 331-338.
- 1214 WATLING, H.R. & WATLING, R.J. 1983c. Sandy beach molluscs as possible bioindicators of metal pollution. 2. Laboratory studies. Bull. environ. contam. Toxicol., 31: 339-343.
- 1215 WATLING, R.J. 1981. A manual of methods for use in the South African marine pollution monitoring programme. S. Afr. nat. sci. Prog. Rep., 44: 1-82.
- 1216 WATLING, R.J. & WATLING, H.R. 1983. Trace metal surveys in Mossel Bay, St. Francis Bay and Algoa Bay. Water SA, 9: 57-65.
- 1217 WEBB, J.E. 1955. On the lancelets of West Africa. Proc. zool. Soc. Lond., 125: 421-443.
- 1218 WEISROCK, A. 1982. Signification paléoclimatique des dunes littorales d'Essaouira - Cap Sim (Maroc). Rev. Géomorph. dynam., 31: 91-107.

- 1219 WEISSER, P.J. & BACKER, A.P. 1983. Monitoring beach and dune advancement and vegetation changes 1937-1977 at the farm Twinstreams, Mtunzini, Natal, South Africa. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 727-732. W. Junk, The Hague.
- 1220 WEISSER, P.J., GARLAND, I.F. & DREWS, B.K. 1982. Dune advancement 1937-1977 at the Mlalazi Nature Reserve, Mtunzini, Natal, South Africa and a preliminary vegetation-succession chronology. *Bothalia*, 14: 127-130.
- 1221 WELLS, J.B.J. 1967. The littoral Copepoda (Crustacea) of Inhaca Island, Mozambique. *Trans. Roy. Soc. Edinburgh*, 57: 189-358.
- 1222 WESENBERG-LUND, E. 1939. Polychètes et géphyriens de Tunisie. *Bull. Sta. océanogr. Salammbô*, 39: 1-20.
- 1223 WESENBERG-LUND, E. 1957. Sipunculoidea and Echiuroidea from West Africa together with a bibliography on Gephyrea after 1920. *Bull. Inst. Sci. nat. Belg.*, 33: 1-24.
- 1224 WESTHEIDE, W. 1970. Zur Organization, Biologie und Ökologie des Interstitiellen Polychaeten Hesionides gohari Hartmann-Schroder (Hesionidae). *Mikrofauna des Meeresbodens*, 3: 101-135.
- 1225 WESTHEIDE, W. 1971. Apharyngtus punicus nov. gen. nov. spec., ein aberranter Archiannelide aus dem Mesopsammal der Tunesischer Mittelmeerküste. *Mikrofauna des Meeresbodens*, 6: 233-249.
- 1226 WESTHEIDE, W. 1972. La faune des polychètes et des archiannelides dans les plages sableuses à ressac de la côte méditerranéenne de la Tunisie. *Bull. Inst. natn. scient. tech. Océanogr. Pêche. Salammbô*, 2: 449-468.
- 1227 WESTHEIDE, W. & BUNKE, D. 1970. Aeolosoma maritimum nov. spec., die erste Salzwasserart aus der Familie Aeolosomatidae (Annelida: Oligochaeta). *Helgolander wiss. Meeresunters.*, 21: 134-142.
- 1228 WHEELER, J.F.G. 1940. Some nemerteans from South Africa and a note on Lineus corrugatus McIntosh. *J. linn. Soc. Lond.*, 41: 20-49.
- 1229 WHITELAW, D.A., UNDERHILL, L.G., COOPER, J. & CLINNING, C.F. 1978. Waders (Charadrii) and other birds on the Namib coast: counts and conservation priorities. *Madoqua*, 11: 137-150.
- 1230 WILKE, V. 1954. Mediterrane Gastrotrichen. *Zool. Jahrb. (Abt. Syst.)*, 82: 497-550.
- 1231 WILLMANN, C. 1959. Zwei neue Milben aus dem Küstengrundwasser des Roten Meeres. *Kieler Meeresforsch.*, 15: 97-104.
- 1232 WILSON, J.R., CZAJKOWSKI, M.A. & PIENKOWSKI, M.W. 1980. The migration through Europe and wintering in West Africa of curlew sandpipers. *Wildfowl*, 31: 107-122.

- 1233 WINTER, H. de la R. 1971. Geology of the Algoa Basin, South Africa. In: BLANT, G. (ed.) Sedimentary basins of the African coasts, 2nd part. pp. 17-48. International Union. Geol. Sci., Comm. Mar. Geol.
- 1234 WINTERBOTTOM, R. 1967. A preliminary investigation of the fauna of the Muizenberg surf zone. Unpublished project, Zoology Dept., University of Cape Town.
- 1235 WITTMER, W. 1978. Forschungen an der Somalilandküste. Am strand und auf den Dünen bei Sar Uanle. 18. Malachiidae (Coleoptera). Monit. zool. ital. (N.S.) Suppl., 11: 99-102.
- 1236 WOOLDRIDGE, T. 1978. Two new species of Gastrosaccus (Crustacea, Mysidacea) from sandy beaches in Transkei. Ann. S. Afr. Mus., 76: 309-327.
- 1237 WOOLDRIDGE, T. 1980. Studies on the biology and ecology of estuarine Copepoda, Mysidacea and the beach mysid Gastrosaccus psammodytes in the eastern Cape, South Africa. PhD thesis, University of Port Elizabeth.
- 1238 WOOLDRIDGE, T. 1981. Zonation and distribution of the beach mysid, Gastrosaccus psammodytes. J. Zool., Lond., 193: 183-189.
- 1239 WOOLDRIDGE, T. 1983. Ecology of beach and surf-zone mysid shrimps in the eastern Cape, South Africa. In: McLACHLAN, A. & ERASMUS, T. (eds) Sandy beaches as ecosystems. pp. 449-460. W. Junk, The Hague.
- 1240 WOOLDRIDGE, T., DYE, A.H. & McLACHLAN, A. 1981. The ecology of sandy beaches in the Transkei. S. Afr. J. Zool., 210-218.
- 1241 WORRALL, G.A. 1969. Present-day and subfossil beach cusps on the west African coast. J. Geol., 77: 484-487.
- 1242 WRIGLEY, A. 1976. A seed germination study of eight sand dune species. Unpublished project, Department of Plant Sciences, Rhodes University, Grahamstown.

Y

- 1243** YASSINI, I. 1979. The littoral system ostracodes from the Bay of Bou-Ismaïl, Algiers, Algeria. *Revta esp. Micropaleont.*, 11: 353-416.

Z

- 1244** ZARIQUEZ, A.R. 1946. Crustaceos decapodos mediterraneos. Inst. espan. Estud. Medit. Barcelona, 2: 10-181.
- 1245** ZGHAL, F. & BEN AMOR, Z. 1980. Annelides polychètes de Tunisie. Bull. Off. natn. Pêche Tunisie, 4: 1-11.
- 1246** ZIBROWIUS, H. 1973. Serpulidae (Annelida Polychaeta) des côtes ouest de l'Afrique et des archipels voisins. Mus. Roy. Afr. cent. (Ser 8, Sci. zool.), 207: 1-93.
- 1247** ZIMMER, C. 1916. Cumacea und Schizopoda. Beitr. z. Kenntnis Meeresfauna W. Afr., Crustacea, 2: 55-66.

REGIONAL INDEX

AFRICA

13, 229, 264, 423, 462, 473, 477, 507, 643, 869, 1048,
1164, 1174, 1195

ALGERIA

5, 20, 27, 58, 59, 60, 283, 337, 347, 389, 390, 394,
396, 401, 408, 409, 413, 414, 415, 419, 540, 541, 542,
565, 607, 778, 863, 864, 882, 883, 884, 885, 886, 887,
888, 889, 890, 891, 892, 893, 896, 897, 898, 974, 975,
1037, 1068, 1071, 1125, 1243

ANGOLA

138, 159, 239, 342, 361, 379, 400, 403, 493, 532, 533,
534, 558, 611, 614, 628, 736, 767, 860, 861, 917, 968,
1115, 1159

ANNOBON

503, 529

BENIN

608, 1041

CAMEROON

40, 68, 146, 351, 353, 494, 868, 870, 907, 1058

CANARY ISLANDS

19, 34, 344, 463, 510, 746, 921, 922, 924

CAPE VERDE ISLANDS

116, 231, 417, 508, 632, 916, 917, 1019

COMORES

1039, 1148

CONGO

68, 258, 303, 500, 688, 870, 909, 1005, 1029, 1056,
1077, 1180

DJIBOUTI

29, 490, 698, 740

EAST AFRICA

464, 649, 1147, 1148

EGYPT

6, 10, 21, 30, 31, 140, 465, 466, 467, 468, 469, 470,
495, 496, 577, 601, 648, 652, 700, 717, 718, 772, 773,
774, 872, 873, 874, 927, 936, 948, 1002, 1043, 1044,
1062, 1078

EQUATORIAL AFRICA

17

EQUATORIAL GUINEA

97, 647

ETHIOPIA

53, 515, 786, 959

GABON

881, 909

GHANA

98, 121, 227, 228, 275, 276, 392, 461, 555, 559, 560,
561, 784, 785, 980, 1146

GUINEA

102, 536, 1172

GUINEA BISSAU

149, 796, 798, 917, 978, 1199

GULF OF GUINEA

68, 1196, 1204

INDIAN OCEAN
 100, 103, 312, 333, 368, 1109
 IVORY COAST
 478, 615, 682, 683, 755, 756, 1160, 1194
 KENYA
 1, 2, 25, 225, 277, 317, 326, 327, 482, 664, 665, 668,
 669, 678, 690, 691, 692, 720, 935, 977, 1109, 1175
 LIBERIA
 3, 233, 689
 LIBYA
 50, 55, 230, 305, 306, 419, 877
 MADAGASCAR
 18, 71, 88, 101, 118, 119, 143, 267, 270, 273, 321,
 324, 325, 332, 333, 346, 352, 354, 355, 361, 387, 388,
 399, 404, 405, 441, 442, 476, 490, 492, 530, 564, 567,
 716, 719, 764, 765, 929, 972, 973, 979, 1014, 1015,
 1016, 1017, 1024, 1025, 1026, 1027, 1039, 1148, 1149,
 1150
 MALAWI
 549, 777
 MAURITANIA
 411, 474, 504, 505, 527, 580, 581, 641, 763, 866, 871,
 903, 976, 1161
 MAURITIUS
 56, 90, 941, 1040, 1165, 1197, 1198
 MEDITERRANEAN
 12, 22, 23, 32, 33, 131, 237, 268, 395, 397, 398, 401,
 563, 574, 575, 576, 622, 679, 875, 969, 1013, 1035,
 1140, 1157, 1179, 1230, 1244
 MOROCCO
 14, 16, 104, 106, 108, 133, 232, 269, 304, 320, 350,
 419, 471, 483, 497, 527, 562, 610, 640, 641, 642, 674,
 676, 739, 757, 795, 867, 944, 945, 950, 963, 964,
 1022, 1042, 1218
 MOZAMBIQUE
 91, 92, 107, 117, 136, 150, 151, 289, 318, 361, 366,
 535, 625, 628, 650, 686, 701, 702, 703, 720, 783, 788,
 789, 894, 918, 919, 928, 1045, 1047, 1221
 NAMIBIA
 66, 112, 157, 236, 284, 292, 316, 323, 548, 570, 601,
 655, 704, 709, 715, 734, 735, 737, 744, 745, 767, 828,
 1009, 1010, 1011, 1076, 1127, 1169, 1171, 1229
 NIGERIA
 37, 142, 609, 618, 687, 1173
 NORTH AFRICA
 4, 738
 NORTHWEST AFRICA
 15, 412, 485, 579, 582
 NORTH-EASTERN ATLANTIC
 679
 PRINCIPE
 503, 529
 RED SEA
 69, 74, 100, 103, 222, 299, 514, 515, 516, 577, 584,
 585, 586, 587, 613, 623, 639, 697, 742, 743, 768, 769,
 790, 923, 926, 959, 1012, 1036, 1104, 1123, 1231

REUNION

93, 99, 147, 148, 266, 274, 771, 1038, 1039

RWANDA

161

SAO THOME

489, 503, 529, 588, 741, 797, 915, 917, 1155, 1156

SENEGAL

24, 35, 75, 76, 109, 158, 234, 235, 265, 271, 272,
319, 344, 402, 410, 416, 420, 436, 437, 438, 439, 440,
475, 484, 488, 498, 499, 501, 502, 504, 505, 512, 537,
603, 606, 612, 614, 694, 801, 859, 865, 902, 1034,
1046, 1099, 1100, 1158, 1200

SEYCHELLES

9, 134, 166, 167, 168, 278, 282, 291, 345, 418, 487,
539, 569, 602, 673, 799, 913, 914, 935, 967, 1033,
1063, 1064, 1096, 1097, 1144, 1165

SIERRA LEONE

7, 1089, 1143

SOCOTRA

912

SOMALIA

36, 53, 120, 240, 260, 262, 263, 279, 280, 281, 290,
406, 480, 481, 506, 528, 552, 600, 613, 791, 851, 852,
853, 899, 900, 952, 953, 954, 955, 956, 957, 958, 960,
1020, 1052, 1053, 1060, 1098, 1176, 1185, 1186, 1187,
1188, 1189, 1190, 1191, 1192, 1193, 1235

SOUTH AFRICA

11, 26, 28, 38, 41, 42, 43, 44, 45, 46, 47, 48, 49,
57, 61, 62, 63, 64, 65, 66, 67, 72, 77, 78, 79, 80,
81, 82, 83, 84, 85, 86, 87, 89, 94, 95, 96, 105, 110,
111, 113, 114, 115, 122, 123, 124, 126, 127, 129, 130,
132, 137, 139, 144, 145, 152, 154, 155, 156, 160, 163,
164, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178,
179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189,
190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200,
201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211,
212, 213, 214, 215, 216, 217, 218, 219, 220, 238, 259,
261, 285, 286, 287, 288, 294, 295, 296, 297, 298, 300,
301, 302, 307, 308, 309, 310, 311, 313, 314, 322, 323,
328, 329, 330, 331, 335, 336, 339, 340, 356, 357, 358,
360, 361, 362, 363, 364, 365, 366, 367, 369, 370, 371,
372, 374, 375, 376, 377, 378, 381, 382, 383, 384, 385,
386, 421, 422, 425, 426, 427, 428, 429, 430, 431, 432,
433, 434, 443, 444, 445, 446, 447, 448, 449, 450, 451,
452, 453, 454, 455, 456, 457, 458, 459, 472, 479, 509,
517, 518, 519, 520, 521, 522, 523, 524, 525, 538, 543,
544, 545, 546, 547, 550, 551, 553, 554, 556, 557, 568,
571, 572, 573, 578, 589, 591, 592, 593, 594, 595, 596,
597, 598, 599, 601, 616, 617, 619, 620, 621, 624, 626,
627, 628, 631, 633, 634, 635, 636, 637, 638, 644, 645,
646, 651, 653, 654, 656, 657, 658, 659, 661, 662, 663,
666, 667, 670, 671, 672, 680, 681, 684, 685, 695, 696,
699, 704, 705, 706, 707, 708, 710, 711, 712, 713, 722,
725, 726, 727, 728, 729, 730, 731, 732, 733, 745, 747,
748, 749, 750, 751, 752, 753, 754, 760, 766, 770, 776,
779, 780, 781, 782, 800, 802, 803, 804, 805, 806, 807,
808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818,

819, 820, 821, 822, 823, 824, 825, 826, 827, 829, 830,
 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841,
 842, 843, 844, 845, 846, 847, 848, 849, 850, 856, 857,
 858, 878, 879, 880, 895, 904, 905, 906, 920, 931, 932,
 933, 934, 935, 937, 938, 939, 940, 951, 965, 981, 982,
 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993,
 994, 995, 996, 997, 1003, 1007, 1018, 1021, 1028,
 1031, 1032, 1049, 1050, 1051, 1054, 1059, 1066, 1072,
 1073, 1074, 1075, 1079, 1080, 1081, 1082, 1083, 1086,
 1087, 1088, 1092, 1093, 1094, 1101, 1102, 1103, 1107,
 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118,
 1119, 1120, 1122, 1124, 1126, 1128, 1129, 1130, 1131,
 1132, 1133, 1134, 1136, 1137, 1138, 1139, 1142, 1145,
 1151, 1152, 1153, 1154, 1162, 1163, 1166, 1167, 1168,
 1169, 1170, 1177, 1178, 1181, 1182, 1184, 1201, 1203,
 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216,
 1219, 1220, 1228, 1233, 1234, 1236, 1237, 1238, 1239,
 1240, 1242

SOUTHERN AFRICA

125, 153, 315, 359, 373, 583, 590, 660, 714, 721, 787,
 1084, 1085, 1095, 1135, 1164, 1205, 1206, 1207

SUDAN

293, 758, 935, 1061, 1108

TANZANIA

8, 54, 135, 165, 221, 226, 326, 327, 407, 526, 625,
 629, 630, 678, 761, 901, 943, 1006, 1090, 1105

TOGO

1023, 1041

TUNISIA

51, 52, 128, 224, 241, 242, 243, 244, 245, 246, 247,
 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 283,
 338, 343, 347, 393, 394, 401, 419, 565, 674, 675, 676,
 854, 855, 862, 925, 946, 947, 949, 961, 962, 971, 998,
 999, 1000, 1001, 1030, 1067, 1069, 1070, 1183, 1202,
 1222, 1224, 1225, 1226, 1227, 1245

WEST AFRICA

17, 39, 70, 73, 141, 223, 275, 334, 348, 349, 380,
 424, 460, 486, 491, 511, 513, 531, 605, 677, 693, 723,
 724, 759, 762, 775, 792, 793, 794, 871, 876, 908, 910,
 911, 930, 942, 966, 970, 1004, 1008, 1055, 1057, 1065,
 1091, 1106, 1121, 1128, 1141, 1203, 1217, 1223, 1232,
 1241, 1246, 1247

WESTERN SAHARA

527

ZAIRE

68, 159, 162, 258, 341, 435, 500, 566, 604, 688, 1005,
 1056, 1077, 1180

SECOND AUTHOR INDEX

ALLEN J C
288, 1151, 1152
ALONCLE H
304
AMOUREUX L
1042
ANSELL A D
206
ASCARAY C
843
BACKER A P
1219
BAILLOU M
1161
BAISSAC P DE B
207
BALLARD J A
931, 932
BARAU A
93
BARBEY C
265
BARNARD K H
374
BARTLETT P D
129, 456, 544, 940
BASS A J
804
BATE G C
829, 1088
BELODEDENKO M V
767
BEN AMOR Z
1245
BERRISFORD C D
931, 932
BERRY C U
112
BIRKETT D A
310, 311
BOTH A L
845
BRANCH G M
800, 803
BRANCH M
153
BRIGANDI S
241
BRIGHT D B
664
BROOKE R K
315
BROWN A C
66, 302, 330, 331, 335, 336, 339, 356, 578, 599, 905,

1162, 1163
BROWN R J
208
BUCHANAN J B
561
BUNKE D
1227
BUROLLET P F
128
CALLIES P
158
CAPAPE C
52, 998, 999, 1000, 1001
CAURO R
562
CECCALDI H J
20
CHAMARD P
75
CHAPMAN P
857, 1072, 1073, 1074
CHAPPUIS P A
402
CHAYTOR D E B
7
CHELAZZI A
851
CHELAZZI G
281
CHELAZZI L
279, 851, 852, 1191
CHESSEL D
886
CLAIREFOND P
128
CLINNING C F
1229
CLOETE C E
340
COCKROFT A
830
CONNELL A D
557
COOK P A
328, 375
COOPER C
831
COOPER J
169, 323, 659, 660, 984, 1131, 1132, 1134, 1169, 1170,
1229
CRAM A
482
CRESSEY R F
677
CROSS R H M
662

CROWE A A
660
CROWLEY J B
1139
CURRIE A B
209
CUTLER N J
333, 334
CZAJKOWSI M A
1232
DA SILVA F M
210, 211, 212
DANIN Z
74
DANRIGAL F
140
DARTEVILLE E
159
DAVIES K C
213
DE BARROS MACHADO A
403
DE DECKER R H
378
DE MATOS J E
611
DE OLIVEIRA J T
611
DE WET A G
553, 554
DEBOURLE A
230
DEJONGHE J F
1161
DELAMARE DEBOUTTEVILLE C
237, 273, 274
DESOUTTER M
251, 252
DIAW A T
158
DICK W J A
473
DREWS B K
1220
DUHAUTOIS L
1161
DYE A H
554, 832, 833, 834, 846, 1240
EAGLE G A
65, 96, 129, 544, 545, 557, 635, 637, 938, 939, 940,
1074
EATON K
482
EDMUNDS M
461
EHLERS U
463

EL ASKARY M A
30, 31
EL BANNA A A
465
EL FISHAWI N M
31
EL SAYED M K
469, 470
EL TABEY SHEHATA A M
465
EL-HAWARY M M
10
ERASMUS T
834, 835
ERCOLINI A
281, 851, 956, 957, 958, 1053, 1191
FASSARI G
241
FERRARA F
280, 281, 851, 958, 1057, 1058, 1191
FIEDLER L
635
FIELD J G
376
FIELDER L J
662, 663
FITZ-JOHN R A
223
FLEMMING B W
546
FOCARDI S
279
FOURIE H O
857, 1177
FRENKIEL L
27, 887, 888, 889, 890, 891, 974, 975
FRENKIEL-RENAULT L
892
FRICKE A H
96, 457, 524, 635, 636, 637, 638, 939, 940
FRIHY O
718
FRIHY O E
30
FULLER A O
145
FURSTENBERG J P
835, 836
GAMBLE J C
673
GANTES H
106
GARCIA-TALAVERA F
924
GARDNER B D
805, 933

GARLAND I F
1220
GARNETT M C
168
GERMAIN J
771
GINDY A R
31
GLEDHILL W J
457, 545, 635, 939
GRAY J S
676
GREENWOOD P G
458
GREENWOOD P J
96, 457, 545, 635, 637, 939, 940
GRIFFITHS C L
726, 1118, 1119
GRINDLEY J R
65, 837
GUERRA M T
558
GUINOT D
529
GUITAT R
76
HANEKOM N
838
HARPUR D
983
HARTMAN G
628
HARTY B
832, 839, 840
HENNIG H F K O
96, 456, 458, 544, 547, 939, 940
HOCKEY P A R
1133
HOLLANDE G
898
HOLTHUIS L B
794
HORSTMAN D A
680, 983
HUGHES G R
1051
ILLENBERGER W K
776
INGOLE B S
25
INSOM E
1192
INTES A
762
JACKSON L F
115

JARMAN N
214
JOHNSON P
548
JOLY P
610
JONES D A
222, 665
KALK M
788, 789
KAMEL T
1044
KASEREKA R
161, 162
KELL V
581
KENMUIR R M
96
KEYS S
716
KHALIL A N
466
KOLBE R W
632
KOOP K
357, 594
KOROTAYEV V N
912
KUHN M
847
KUNZ G
737
LAMORAL B
599
LASIAK T A
834
LE LOEUFF P
380, 478, 682, 683
LECOMPTE M
1161
LEFEVERE S
688
LEON B
207
LEWIN J
841
LIVERSIDGE R
850
LUBET P E
56
LUBKE R A
49
LUCAS M I
727, 728, 729
LUPORINI P
1020, 1176

MAHMOUD B
470
MAIGRET J
437, 438, 439, 440
MALAN D E
830
MANOHAR M
717
MARTIN C T
638
MAZHAR F M
577
MAZURE H
457
MCCLURG T P
1074
MCGWYNNE L E
451, 834
MCKAYE K R
777
MCLACHLAN A
28, 430, 431, 432, 433, 434, 452, 479, 631, 776, 989,
1003, 1088, 1240
MCQUAID C D
66
MCWILLIAM D C
931, 932
MEDEIROS C A
611
MEREDITH F L
215
MESSANA G
281, 1191
MESSERI P
851, 852, 1191
MICHEL C M
56
MOLDAN A G S
557, 1075
MOLENBEEK R G
976
MONOD T
679
MONTEIRO A A
231
MOORE C G
842
MOUEZA M
20, 27, 391, 542, 974, 975
MUIR D G
357
MURA G
319
NAGUIB A G
648
NEL E A
595, 596

NELSON G
680
NEWELL R C
728, 729
NICKLES M
513
NICOLAS J P
612
NIKIFOROV G
50
NOBLE R G
216
NOVELLA M
413, 414, 415
NOWAR A
718
OLIFF W D
557
OPIC B
1065
ORREN M J
330, 331, 457, 458, 545, 547, 557, 635
PAMMENTER N W
422, 621
PARDI L
281, 851, 1191
PARULEKAR A H
25
PASKOFF R
854, 855, 925
PAULIAN R
274, 404, 405
PENRITH M J
376, 715
PENVEN M J
5
PHILIP G
1078
PICAUT J
1196
PIENKOWSKI M W
412, 1232
PRINGLE J S
473, 1132, 1134
QUIGNARD J P
253, 254, 257
RABENIRAINY L
442
RENAUD-MORNANT J
237
RENAULT L
893
RIBEIRO A
614
RIPPEY E
721

RIVIERE A
757
ROBB F T
357
ROBERTSON H G
316
ROGERS J
160
ROGNON P
320
ROLAND J
413, 414, 415
ROMANO J-C
59, 60
ROMANOVSKY V
536
ROSSO J-C
474
ROSSOUW G
834
ROUCH R
275, 276
RUDER J
686
RULLIER F
501, 502, 503, 504, 505, 516
SALEM M H A
338
SANTANGELO G
1020
SAPIEKA N
597
SCHLEYER M H
472
SCHRAMM M
847
SCHULTZ E
1012
SEROVA V V
4
SHACKLEFORD L J
1156
SHARP J B
933
SHATA A A
467
SHAUGHNESSY P D
316
SHELTON P A
323
SHIMI M
128
SIEBEN P
843
SIEGFRIED W R
660

SIESSER W G
145
SMALE M J
115
SMITH M M
1096
SOOT-RYEN T
1033
SPITTLER P
581, 582
STENTON-DOZEY J
593, 594
SYMONS R
375
TAITI S
507
TALBOT M S
217
TARR R
680
TAYLOR F J R
598
THUM A B
525
TINLEY K L
645
TORRANCE R
482
TREVALLION A
206
TRIKI S
1202
TROTIGNON F
1161
TRUEMAN E R
218, 219
TURNER L G W
220
TURNER W D
931, 932, 933
UNDERHILL L G
473, 1229
VALMORI P
1193
VAN DER HORST G
831, 834, 844, 848
VAN DER RYST P
833
VAN SCHOOR H J
804
VANNINI M
281, 851
VITIELLO P
338
VLEGGAR C M
1177

WALTERS N M
1075
WALTNER M
473, 1135, 1170
WATLING H R
479, 1216
WATLING R J
479, 1212, 1213, 1214
WATLING R S
557
WEISROCK A
320
WHITELAW D A
1171
WILSON E G
732
WINTER P E D
845
WOOD V
482
WOODBORNE M W
378
WOOLDRIDGE T
452, 834, 846, 847, 848
YOUNG D J
213
YOUNG N
849
ZAOUALI J
255, 256, 257
ZENKOVICH V
936
ZOUTENDYK P
375

KEYWORD INDEX

ABIDJAN
1194
ABRASION
49
ABSORPTION SPECTROPHOTOMETRY
634
ABUNDANCE
152
1151, 1161, 1167, 1169, 1170, 1171, 1229
ACARI
23
ACARINA
1125, 1231
ACCRA
228, 276
ACCRETION
31
ACCUMULATION
105
ACETYLCHOLINE
219
ACRANIA
579, 581, 582
1217
ACTIVITY
186, 187, 192, 280
428
958, 993, 997
1182
ADAPTATION
278
AEOLOSOMA MARITIMA
1227
AERIAL
37
AFRICA
13, 229
423, 462, 473, 477, 507, 643
869
1164, 1174
AFROLAOPHONTE
319
AGE
1032
AGGRADATION
1219, 1220
AGGREGATIONS
91
AIT-RAOUNA POINT
897
ALDABRA ATOLL
9, 278
487, 539, 569, 602, 673
1097

ALEXANDRIA

465, 466, 468, 469, 470

ALGAE

336, 619

ALGERIA

5, 27, 58, 59, 60, 283

337, 347, 389, 390, 391, 394, 396, 401, 408, 409, 413,

414, 415, 419, 565, 607

778, 863, 864, 882, 883, 884, 892, 896, 897, 898

1037, 1068, 1071, 1125, 1243

ALGIERS

389, 390, 607

863, 864

1243

ALGOA BAY

155, 156

431, 479

749, 751, 752, 753, 809, 811, 814, 817, 831, 836, 837,

842, 845

1031, 1032, 1088, 1216, 1233

AMMONIUM NITRATE

182, 209

AMPHIASCUS MONODI

865

AMPHIPODA

19, 78, 82, 84, 88, 90, 163, 282, 283

480, 481, 590, 591, 592, 685

722, 764, 778, 795, 895, 952, 956, 957, 958

1008, 1035, 1036, 1037, 1038, 1039, 1053, 1055, 1056,

1077, 1104, 1111, 1115, 1174, 1182

ANALYSIS

634

880, 886

ANATOMY

137, 174, 208, 216, 218, 220, 237, 249, 250

407, 421, 459, 540, 541, 599, 661, 662, 663

770, 887, 888, 889, 891, 905, 975, 982

1007, 1015, 1163

ANAULUS BIROSTRATUS

732

1088

ANECHO

1023

ANELASSORHYNCHUS

125

ANGOLA

138, 159, 239

342, 361, 379, 400, 403, 493, 532, 533, 534, 558, 611,

614, 628

736, 767, 860, 861, 917, 968

1115, 1159

ANIMAL-SEDIMENT INTERACTIONS

816

ANNELIDA

16, 17, 18, 240, 241

326, 327, 361, 362, 363, 364, 365, 366, 368, 369, 399,

464, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497,

- 498, 499, 500, 501, 502, 503, 504, 505, 516, 584, 585,
586, 587, 599, 615, 623, 624, 625, 626, 627, 682, 683,
688
723, 746, 754, 755, 756, 808
1040, 1041, 1042, 1123, 1145, 1146, 1222, 1227, 1245,
1246
- ANNOBON
503, 529
- ANOMURA
559
768
1149, 1185, 1186, 1187
- ANSE A LA MOUCHE
799
- APHARYNGTUS PUNICUS
1225
- ARACHNIDA
791, 986
- ARCHIANNELIDA
699
787
1010, 1084, 1085, 1225, 1226
- ARENICOLA LOVENI
599
- ARENOSETELLA
842
- ARENOTOPA GHANAI
275
- ARID AREAS
50
- ARTHROPODA
985, 986, 987, 988
- ASSAB
786
- ASSIMILATION
427
- ASSOCIATIONS
290
- ATIDAL
676
- ATLANTIC COAST
14, 108, 232
350, 483, 610
867
- AUTOTOMY
661
- AUTUMN
20
- AVES
73, 93, 97, 104, 107, 112, 130, 142, 163, 164, 169
308, 308, 313, 315, 316, 411, 473, 548, 616, 653, 654,
655, 656, 657, 658, 659, 660, 696
850, 860, 943, 967, 984, 990, 997
1080, 1086, 1130, 1132, 1133, 1134, 1135, 1159, 1161,
1164, 1167, 1169, 1170, 1171, 1175, 1229, 1232
- BABOONS
853

BACTERIA
 357, 465, 472, 594, 638
 725, 727, 728, 729, 803
 1119
 BAJUN ISLANDS
 600
 BANC D'ARGUIN
 474
 763, 976
 1161
 BARDIA
 1078
 BARRIER
 555
 BASELINE SURVEY
 311, 328
 931, 932
 BATHYMETRY
 124, 155
 BATILLIPEDIDAE
 1016
 BATOIDEA
 1205, 1206, 1207
 BAY OF ALGIERS
 58, 59, 60
 BAY OF AMBARO
 972
 BAY OF BOU-ISMAIL
 337, 391, 607
 778, 864, 882, 886, 898
 1243
 BAY OF DAKAR
 1099
 BAY OF TANGIERS
 945
 BAYS
 1075
 BEACH
 31, 36, 118, 161, 171, 178, 230, 262, 263, 265, 272,
 274, 276, 279
 406, 524, 695
 755, 805, 852, 853, 878, 886, 904, 922, 933
 1023, 1025, 1124, 1140
 BEACH ANIMALS
 199
 BEACH ECOSYSTEM
 65
 BEACH PATROLS
 41, 42, 43, 44
 314
 BEACH SANDS
 100, 101, 102, 103
 BEACHES
 25, 64, 66, 108, 121, 130, 143, 156, 162, 165, 175,
 179, 185, 188, 291
 307, 313, 357, 389, 393, 394, 396, 409, 436, 441, 442,
 443, 445, 446, 447, 449, 452, 454, 455, 466, 469, 470,

- 547, 555, 561, 576, 589, 601, 606, 637, 640, 652, 660,
676, 696, 700
733, 750, 771, 776, 777, 780, 783, 785, 809, 811, 818,
819, 822, 824, 826, 827, 828, 830, 833, 834, 839, 846,
847, 854, 855, 875, 925, 931, 935, 939, 962, 973, 980
1012, 1072, 1073, 1075, 1100, 1117, 1137, 1138, 1188,
1202, 1212, 1213, 1214, 1219, 1220, 1226, 1236, 1239,
1240, 1241
- BEACH-DWELLING
110
- BEETLES
35, 36, 262, 263, 279
552
- BEGINNERS GUIDE
85
- BEHAVIOUR
72, 117, 166, 167, 180, 181, 217, 278
482, 568, 575, 616, 629, 668, 691
710, 773, 774, 777, 853, 952, 956, 957, 959, 993, 996
1080, 1185, 1186, 1189, 1192
- BEIRA
107
318
- BENDER MTONI
240
- BENIN
608
1041
- BENTHOS
52, 56, 59, 60, 224, 285
337, 376, 449, 450, 461, 509, 514, 592
716, 751, 775, 830, 879, 969, 979
1027, 1099, 1144, 1150, 1152, 1172
- BETTY'S BAY
646
- BIBLIOGRAPHY
141, 203
315, 339, 340
1223
- BIOCHEMICAL COMPOSITION
27
430
- BIOCHEMISTRY
838, 891
1066
- BIOGEOGRAPHY
22, 34, 61, 70, 74, 184, 214, 246
309, 319, 462, 463, 474, 485, 574, 575, 590, 626, 628
702, 714, 738, 821
1150
- BIOLOGICAL OXYGEN DEMAND
443, 445, 447
833
- BIOLOGY
10, 38, 188, 195, 203, 242, 243, 244, 245, 246, 247,
248, 249, 250, 253, 259, 260, 296
318, 322, 367, 370, 391, 401, 426, 432, 434, 515, 672

- 708, 712, 751, 838, 882, 884, 892, 895, 959, 986, 987,
988
1001, 1079, 1133, 1174, 1237
- BIOMASS
803, 812, 814, 847
1087, 1135, 1182
- BIOTOPES
33
- BIVALVIA
27, 29, 74, 89, 136
381, 382, 383, 384, 385, 386, 391, 444, 532, 534, 540,
541, 542, 573, 595, 596, 617, 661, 662, 663, 680
706, 707, 742, 743, 817, 838, 844, 882, 883, 884, 885,
886, 887, 888, 889, 890, 891, 892, 893, 901, 910, 918,
919, 930, 964, 974, 975, 989
1033, 1090
- BLACK
108
648
- BLACK OYSTERCATCHER
616, 653, 654, 656, 657, 658, 659
1131
- BLACK RIVER ESTUARY
1054
- BLOOD DISTRIBUTION
174
- BLOOD VOLUMES
174
- BODOTRIIDAE
358, 360
762
- BODOTRIINAE
360
- BODY WEIGHTS
412
- BOMBYLIIDAE
537
- BOU REGREG
562
- BRACHIOPODA
289
312, 475, 476, 477, 478
- BRACHYRHYNCHA
70
- BRACHYURA
70, 71, 258
426, 427, 429, 529, 560, 613, 614, 630, 684
758, 769, 793, 794, 874, 876, 941
1005, 1019, 1063, 1064, 1165, 1189, 1190, 1193
- BRANCHIOSTOMA
1217
- BRANCHIOSTOMA SENEGALENSE
579, 581, 582
- BRANCHIOSTOMIDAE
579, 581, 582
- BREDASDORP
1208

- BREEDING
654
- BRYOZOA
230
- BUCHANAN
3
- BULLIA
172, 174, 176, 177, 180, 182, 188, 195, 198, 207, 208,
216, 218, 220, 264
335, 356, 451
720, 806, 807, 982
1162, 1163
- BULLIA ANCILLAEFORMIS
309
- BULLIA DIGITALIS
57, 72, 173, 186, 187, 189, 190, 192, 196, 197, 202,
204, 206, 209, 210, 211, 212, 213, 215, 219
301, 302, 329, 330, 331, 336, 421, 578, 619
766, 770, 849, 856, 905
- BULLIA LAEVISSIMA
137, 173
- BULLIA MELANOIDES
206
- BULLIA RHODOSTOMA
184, 212
568
705, 831, 844, 849
1007, 1066, 1211, 1212
- BURROWING
189
425
849
1186, 1190
- BURROWS
92, 167
487, 664, 669
773, 774
1190
- BURULLUS
31
- CADMIUM
213
329, 330, 331, 356
- CALEDON
1208
- CALIDRIS FERRUGINEA
473
990, 992, 993, 994, 995, 996
- CALLIANASSA GRANDIDIERI
321
- CALLIANASSIDAE
380
- CAMEROON
40, 68, 146
351, 353, 494
868, 870, 907
1058

CAMPS BAY

96
457

CANARY ISLANDS

19, 34
344, 463, 510
746, 921, 922, 924

CANTHARIDAE

988

CAP BLANC

419
903

CAP FALCON

5

CAP SIM

320
1218

CAP TEDLES

897

CAP VERT

24, 75, 265
614
1046, 1158

CAPE AGULHAS

375, 591
1072

CAPE FRIO

570

CAPE JUBY

640

CAPE MACLEAR

777

CAPE OF GOOD HOPE

550
938
1128

CAPE PENINSULA

132, 175, 179, 180, 181, 191, 193, 200, 201, 217, 300
357, 378, 457, 616
725, 726, 984
1086, 1117

CAPE PROVINCE

122
364, 365, 517, 591, 645, 680
760, 939, 985
1075, 1092, 1120, 1208

CAPE RECEIFE

124
934

CAPE SEAL

124

CAPE TOWN

940, 983

CAPE VERDE ISLANDS

116, 231
417, 508, 632
916, 917

1019
 CAPRELLIDEA
 590, 591
 1008
 CARABIDAE
 987
 CARBON
 727, 829
CARETTA CARETTA
 672
 1051
 CASABLANCA
 14
 CASAMANCE
 109
 488
 CATERIIDAE
 400
 CENSUS
 313
 CERATOPOGONIDAE
 441, 442
 CHANGES
 27
 CHAPMAN'S BAY
 378
 CHARADRII
 107
 316, 655
 984
 1130, 1132, 1167, 1170, 1229
CHARADRIUS
 126
CHARADRIUS MARGINATUS
 1133
CHELONIA MYDAS
 569, 672
 CHEMISTRY
 307, 455, 469
 805, 811, 813, 852, 931, 932, 933, 939
 1083
 CHEMORECEPTION
 172
 856
 CHILOPODA
 986
 CHROMOSOME NUMBERS
 335
 CILIATA
 424
 1020
 CIRCADIAN RHYTHMS
 580
 800, 802, 958
 1088, 1122
 CIRCULATION
 890

CIRCUMLITTORAL
 51
 CIRENAICA
 305, 306
 877
 CIROLANIDAE
 64, 221, 222
 425, 575, 692
 867, 869, 965
 1157
 CLASSIFICATION
 8
 CLIMATE
 1191
 CNIDARIA
 1073
 COAST
 1, 8, 15, 31, 36, 104, 108, 133, 150, 151, 157, 158,
 225, 226, 232, 234, 240, 256, 260, 271, 275, 277, 292,
 294
 316, 317, 341, 342, 392, 410, 413, 414, 415, 467, 526,
 551, 555, 558, 605, 610, 636, 645, 652, 664, 686
 704, 765, 767, 841, 857, 908, 948, 953
 1044, 1045, 1062, 1068, 1071, 1078, 1100, 1121, 1183,
 1194, 1200, 1229
 COASTAL
 35, 48, 50, 66, 164, 214
 423, 537, 562, 570, 608, 611, 612, 644, 680, 687
 717, 779, 784, 843, 881, 900, 909, 912, 928, 937, 961
 1043, 1052, 1061, 1070, 1081, 1082, 1083, 1126, 1132,
 1134, 1136, 1141, 1160, 1173, 1208
 COASTAL REGIONS
 37
 COCCINELLIDAE
 552
COENOBITA JOUSSEAUMEI
 790
COENOBITA RUGOSUS
 1185, 1186, 1187
 COLEOPTERA
 552
 987, 988
 1235
 COLLECTION
 19, 21, 35, 140
 COLLEMBOLA
 394
 COLONIZATION
 546
 COLORATION
 918
 COLUMELLA MUSCLE
 982
 COMESTIBLE OILS
 191, 193, 200
 COMMUNITIES
 228

COMMUNITY STRUCTION
 836
 COMMUNITY STRUCTURE
 56, 58, 59, 61, 152
 635
 726, 748, 750, 752, 753, 812, 814, 830, 858, 903
 1028, 1100, 1144, 1150
 COMORES
 1039, 1148
 COMPARISON
 13
 553
 COMPETITION
 181
 COMPOSITION
 838
 CONDITIONS
 37
 933
 CONGO
 68, 258
 303, 500, 688
 870, 909
 1005, 1029, 1056, 1077, 1180
 CONSERVATION
 226
 323, 644, 656, 671
 1131, 1134, 1170, 1229
 CONSUMPTION
 427
 CONTAMINATION
 298
 COPEPODA
 147, 266, 267, 268, 270, 271, 272, 275, 276
 319, 402, 549, 639, 677
 719, 734, 735, 736, 796, 797, 798, 799, 816, 842, 861,
 862, 863, 864, 865, 921, 922, 923, 970, 980
 1179, 1221
 COPULATION
 167
 669
 773
 COUSIN ISLAND
 168
 CRAB
 117
 308, 318, 426, 427, 428, 429, 430, 431, 432, 433, 434,
 482, 515, 629, 668, 669, 691
 790, 959
 1048
 CRABS
 91, 115, 135, 166, 167
 462, 530, 588, 664
 793, 794, 821, 914
 1190
 CRAB-BURROWS
 223

CRUCIFORM MUSCLE
 541, 542
 889, 975

CRUDE
 57, 205, 207
 371, 375, 631
 766, 840, 935

CRUSTACEA
 9, 40, 54, 55, 67, 68, 69, 70, 71, 77, 78, 81, 82, 83,
 84, 87, 91, 92, 148, 159, 221, 222, 258, 274, 282,
 296
 305, 306, 319, 321, 324, 325, 358, 359, 360, 379, 380,
 418, 419, 420, 425, 427, 428, 430, 435, 448, 462, 471,
 480, 481, 482, 483, 484, 485, 486, 487, 529, 530, 549,
 558, 559, 560, 602, 613, 614, 629, 630, 639, 643, 649,
 650, 668, 669, 684, 685, 691, 692, 693, 694
 709, 714, 719, 730, 734, 735, 736, 758, 762, 768, 769,
 786, 790, 793, 794, 810, 815, 816, 820, 821, 836, 842,
 863, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874,
 876, 913, 920, 926, 927, 941, 942, 959, 960, 965, 966,
 970, 980, 986
 1004, 1005, 1019, 1024, 1026, 1027, 1029, 1035, 1036,
 1037, 1038, 1039, 1055, 1056, 1059, 1063, 1064, 1077,
 1104, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114,
 1115, 1128, 1142, 1149, 1157, 1165, 1174, 1180, 1184,
 1189, 1190, 1192, 1193, 1199, 1221, 1244, 1247

CUMACEA
 358, 359, 360, 483, 484, 485, 486, 693, 694
 762
 1247

CURLEW SANDPIPER
 990, 992, 993, 994, 995, 996
 1232

CURRENTS
 378

CUSPS
 1241

CYCLOPOIDEA
 147
 549, 639
 719, 980

CYCLOSTOMATA
 304

DAESIIDAE
 406

DAKAR
 76, 271, 272
 801
 1100

DAMARA TERNS
 1003

DAMIETTA
 30

DAR ES SALAAM
 901

DAR-ES-SALAAM
 1105

DASYATIDAE
 243, 244, 245, 247, 249
DASYATIS PASTINACEA
 243, 244, 245
DASYATIS TORTONESI
 244, 247
DASYSTIS TORTONESI
 249
 DATA MATRICES
 1168
 DEBRIS
 767
 DECAPODA
 9, 67, 68, 69, 70, 71, 83, 134, 138, 258
 306, 324, 325, 379, 380, 529, 530, 558, 559, 602, 613
 709, 714, 769, 868, 874, 960
 1002, 1004, 1019, 1029, 1188, 1192, 1199, 1244
 DECOMPOSITION
 593, 594
 725, 727, 728, 729, 985, 987, 988
 1117
 DENSITIES
 224
 DERMESTIDAE
 988
DEROCHELYS CORIACEA
 672
 1051
DEROCHEILOCARIS ALGOENSIS
 810
DEROCHEILOCARIS REMANEI
 237
 395, 398
 820
 DESCRIPTION
 8, 83
 342, 519, 568, 572, 583, 604, 612, 645
 763, 881
 1023
 DESICCATION
 807
 DESIGN
 518
 DEVELOPMENT
 624
 DIAGENESIS
 1081
DIAGONICEPS
 271
 DIAMOND COAST
 316, 548
 DIATOMS
 284
 526, 571, 632
 732, 878, 979
 DIDO VALLEY BEACH
 191, 193, 200

DIET
 992
 DIGESTIVE GLAND
 888
 DIGESTIVE TRACT
 137
DINOPHILUS GYROCILIATUS
 787
 DIPLOPODA
 986
 DIPTERA
 441, 442, 537
 1116, 1118
 DISPERSANTS
 631
 DISPLACEMENT
 1, 2
 DISSOLVED ORGANIC MATTER
 301, 302
 DISSOLVED OXYGEN
 307
 DISTRIBUTION
 33, 46, 47, 62, 245, 246, 261, 285, 287
 323, 377, 395, 398, 403, 431, 462, 463, 485, 514, 520,
 579, 629, 656, 671
 714, 716, 781, 795, 812, 814, 886, 991
 1024, 1044, 1058, 1074, 1087, 1088, 1130, 1132, 1143,
 1151, 1172, 1174, 1179, 1203, 1238
 DIVER-OPERATED
 288
 DJERBA
 854, 855, 971
 DJIBOUTI
 29
 490, 698
 740
 DONACIDAE
 74
DONAX
 74
 444, 465, 512, 540, 541, 542
 743, 918, 919
 1080
DONAX FABA
 1090
DONAX RUGOSUS
 1089
DONAX SEMISTRIATUS
 58
DONAX SERRA
 26, 63
 381, 382, 383, 384, 384, 385, 386, 595, 596, 617, 659,
 661, 663, 680
 706, 707, 838, 849, 989
 1177, 1212
DONAX SORDIDUS
 26

662, 663
817, 844, 849

DONAX TRUNCULUS
20, 27
391
882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892,
893, 974, 975

DOTILLA FENESTRATA
117
629

DOTILLA SULCATA
515

DUNE
24, 36, 109, 262, 263, 280
406, 506, 552, 621, 646, 651
781, 782, 852, 953, 955
1191

DUNE SLACKS
538

DUNES
4, 5, 11, 35, 38, 46, 47, 48, 49, 76, 118, 120, 139,
143, 154, 158, 170, 236, 259, 281
320, 390, 416, 422, 519, 523, 537, 538, 562, 570, 583,
633, 640, 654, 667
718, 744, 745, 757, 791, 843, 851, 858, 859, 902, 903,
934, 951, 954
1034, 1062, 1129, 1154, 1181, 1185, 1186, 1187, 1193,
1200, 1208, 1210, 1218, 1219, 1220, 1235, 1242

DURBAN
695
904

DURBAN BAY
1112

DUST
813

DYNAMICS
50, 59
645
757, 767, 896, 897, 925
1046, 1072, 1075, 1138

EAST AFRICA
221, 279
327, 464, 629, 649
1147, 1148

EAST COAST
125
517
1205, 1206, 1207

EAST LONDON
1126

EASTERN CAPE
170, 238
617
733, 779, 780, 806, 812, 818, 819, 821, 823, 827, 838,
843, 847
1166, 1170, 1181, 1237, 1239

ECHINODERA
 400
 ECHINODERMATA
 322, 678
 1151, 1152
ECHINOLAMPAS CRASSA
 322
 1151, 1152
 ECHIURA
 125
 641, 642
 899, 900
 ECHIURIODEA
 1223
 ECOLOGY
 9, 22, 61, 66, 120, 127, 132, 153, 154, 171, 173, 179,
 185, 188, 195, 199, 230, 236, 248, 300
 303, 337, 391, 393, 395, 396, 398, 401, 452, 474, 478,
 514, 515, 538, 561, 574, 575, 602, 617, 626, 651, 657,
 664, 665, 668, 690, 691, 692
 701, 703, 708, 712, 733, 737, 748, 759, 775, 788, 790,
 805, 806, 809, 815, 826, 827, 828, 838, 846, 875, 879,
 882, 884, 931, 932, 951, 965, 990, 994
 1001, 1017, 1024, 1027, 1031, 1054, 1058, 1099, 1100,
 1131, 1149, 1152, 1154, 1168, 1181, 1202, 1209, 1210,
 1224, 1237, 1239, 1240
 ECOSYSTEM
 824, 834
ECTINOSOMA BARBICAUDA
 148
 EFFECTS
 205
 338, 375
 EFFLUENT
 65, 191, 193
 453
 805
 EGYPT
 6, 21, 30, 31, 140
 465, 466, 467, 468, 469, 470, 495, 496, 577, 601, 648,
 652
 717, 718, 872, 873, 874, 927, 936, 948
 1002, 1043, 1044, 1062, 1078
 EL NINO
 152
 ELANDS BAY
 596
 ELASMOBRANCHI
 577
 ELASMOBRANCHIA
 620
 1031, 1032
 ELIMINATION
 177
EMERITA
 115
 462

1059
ENCYRTOSCELIO
 120
 ENERGETICS
 1117, 1130
 ENERGY
 725, 727, 728
 ENERGY BUDGET
 190, 192, 194, 195, 196
 427, 619, 658
 829, 895, 993, 995
 1118
 ENERGY CONTENT
 430
 ENERGY COST
 189
 ENERGY FLOW
 594
 834
 ENGINEERING
 556, 695
 ENVIRONMENT
 98
 1129
EOCUMA CADENATII
 486
 EOLIAN
 745
 1062
 EOLIAN PROCESSES
 4
 667
 EQUATORIAL AFRICA
 17
 EQUATORIAL GUINEA
 97
 647
ERETMOCHELYS IMBRICATA
 168
 EROSION
 31
 695
 717, 776, 780, 784, 854, 904, 936, 962
 1173
 ESSAOUIRA
 320
 1218
 ESTUARIES
 460
 ESTUARINE
 363, 364, 365
 ESTUARY
 341, 562
 1056
 ETHIOPIA
 53
 515

786, 959
 ETHNOLOGY
 388, 600, 603
EUGLENA DESES
 1143
 EUROPE
 762
EURYDICE
 575
 875
 1157
EURYDICE CLYMENEIA
 867
EURYDICE LONGICORNIS
 181
 425
 965
EURYDICE TRUNCATA
 580
 EVOLUTION
 470, 574, 576, 640
 1195
EXCIROLANA LATIPES
 159
EXCIROLANA NATALENSIS
 64
EXOSPHAEROMA TRUNCATITELSON
 181
 EXPLOITATION
 600
 EXPOSURE
 64, 261
 367, 378, 676
 811, 822, 823, 829, 830, 834
 1136, 1138
 EXTRACTION
 543, 553, 554
 EYES
 407
 FACTORS
 62
 FACTORY OUTFALL
 94
 FALSE BAY
 65, 94, 144, 145
 309, 370, 374, 376, 453, 509, 571, 573, 598
 879, 981
 1018, 1151, 1234
 FAUNA
 34, 98, 114, 178, 285, 293
 388, 593
 789
 1009
 FAUNAL LIST
 7, 15, 16, 18, 21, 29, 53, 67, 68, 69, 73, 83, 90,
 106, 112, 136, 149, 164, 179, 224, 227, 228, 231, 235,
 241, 282, 283, 294

304, 305, 306, 324, 325, 327, 332, 333, 343, 346, 347,
 349, 350, 352, 353, 354, 355, 361, 364, 365, 373, 374,
 387, 408, 413, 414, 415, 460, 507, 528, 530, 531, 535,
 559, 560, 647, 678, 679, 689
 714, 715, 860, 868, 871, 873, 907, 908, 909, 910, 917,
 942, 943, 945, 948, 949, 963, 964, 967, 968, 976, 998,
 1000
 1033, 1035, 1036, 1039, 1047, 1057, 1065, 1086, 1091,
 1095, 1096, 1098, 1100, 1102, 1103, 1106, 1110, 1127,
 1157, 1159, 1183, 1188, 1197, 1198, 1199, 1200, 1205,
 1206, 1207, 1244, 1245

FAUVELLIA PULCHRA

1145

FEEDING

26, 52, 117, 163, 169, 180, 217, 243, 247, 253, 255
 301, 336, 426, 581, 619, 653, 680
 847, 853, 885, 890, 990, 993, 994, 997
 1031, 1076, 1116, 1118

FERNANDO POO

97

FILTERING

818

1139

FILTRATION

825, 832, 839

FINE

58

FIRST AID

1153

FISHERIES

6

603

FIXATION

24

FLORA

789, 903

FOOD CANNING FACTORY

65

FOOD CHAINS

175

1028

FORAGING

482

996, 997

FORAMINIFERA

150, 151, 277

508

761, 894, 978

1044

FORAMINIFERAN SANDS

131

FOREST

154

FORMATION

76

FREE-LIVING

12

564, 565, 681
 FRESHWATER
 134, 200, 274
FUCELLIA CAPENSIS
 1116, 1118
 FUNCTION
 216
 542
 FUNCTIONAL
 26
 FUTURE RESEARCH TRENDS
 61
 GABON
 881, 909
 GAMASA
 31
 GAMMARIDEA
 283
 590, 591
 1008, 1038
 GASTRIC SHIELD
 891
 GASTROPODA
 172, 173, 176, 177, 180, 189, 196, 198, 204, 278
 335, 451, 533, 534, 578
 705, 711, 720, 724, 766, 770, 777, 806, 831, 905, 930,
 963, 982
 1105, 1162, 1163, 1211
GASTROSACCUS
 54
 1236
GASTROSACCUS PSAMMODYTES
 217
 448
 1237, 1238, 1239
 GASTROTRICHA
 563
 1011, 1176, 1230
 GECARCINIDAE
 1193
 GENETICS
 918, 919
 1089, 1090
 GEOLOGY
 144
 GEOMORPHOLOGY
 66, 124, 157
 392, 410, 417, 467, 606, 607, 608, 609, 610, 611, 612,
 686, 687
 718, 739, 744, 757, 765, 912, 928, 937, 961
 1043, 1046, 1052, 1070, 1075, 1132, 1136, 1140, 1141,
 1160, 1167, 1191, 1194, 1241
 GEPHYREA
 511
 1222
GERBILLURUS PAEBA
 38

GHANA
98, 121, 227, 228, 275, 276
392, 461, 555, 559, 560, 561
784, 785, 980
1146

GHARDAGA
1002

GISENYI
161

GLADIOLUS GUEINZI
259

GLORIEUSES ISLANDS
346

GNATHOSTOMA
639

GORDONS'S BAY
571

GORDON'S BAY
1018

GRAB
286

GRAND POPO
608

GRAPHICS
1168

GRAPSIDAE
325, 630

GROWTH
46, 289
381, 383, 385, 432, 433, 582, 658
749, 817, 831, 844, 883
1032, 1048, 1116, 1118

GUIDE
93, 97, 164
372
850, 924, 967, 977
1164, 1178

GUINEA
102
536
1172

GUINEA BISSAU
149
796, 798, 917, 978
1199

GULF OF ADEN
926

GULF OF GABES
128, 255
338, 343
946, 947
1030, 1067, 1069, 1070

GULF OF GUINEA
68
503
1141, 1196, 1204

GULF OF SIDRA
 50
 GULF OF TADJOURAH
 29
 698
 740
 GULF OF TUNIS
 51, 224
 925, 949
 1001, 1202
 HABITATS
 214
 524, 546
 1024
HAEMATOPUS MOQUINI
 616, 653, 654, 656, 657, 658, 659
 1131
 HAEMOCOELE
 177
 HALACARIANS
 23
 HALECHINISCIDAE
 1016
 HARPACTICOIDEA
 147, 148, 239, 266, 267, 268, 270, 271, 272, 275, 276
 319, 549
 734, 735, 736, 816, 842, 861, 862, 863, 864, 865, 921,
 922, 923
 HASTIGERELLA
 842
 HEALTH
 223, 298
 465, 597
 983
 1049, 1050
 HEAVY METALS
 72, 213
 329, 330, 331, 356
 1177, 1212, 1213, 1214, 1216
 HERMIT CRAB
 1185, 1186, 1187
HESIONIDES
 110
HESIONIDES GOHARI
 1224
HETEROMYSIS LIBYANA
 55
 HIPPIDAE
 876
 1063, 1064, 1149
HIPPOLYTE
 709
HIRUNDO RUSTICA
 163
 HISTERIDAE
 987
 1147

HISTOCHEMISTRY
 891
 HISTOLOGY
 888
 HISTORY
 140
 704
 HOLOCEPHALI
 304
 HOMOGENISATION
 472
 HOMOGENIZED
 211
 HOUT BAY
 95
 456, 545
 HYDROGEN SULPHIDE
 176
 HYDROPHYLIDAE
 987
 HYMENOPTERA
 120
 ILE DE LOOS
 102
 INDIA
 206
 INDIAN OCEAN
 100, 103, 134
 312, 333, 368
 935, 977
 1109
 INHACA ISLAND
 92, 136
 535
 701, 702, 788, 789, 894
 1047, 1221
 INSECTA
 236, 262, 263
 441, 442
 985, 986, 987
 1034, 1116, 1118, 1235
 INSHORE
 760, 968
 INTACT
 211
 INTERSTITIAL
 110, 267, 268, 269, 270, 273, 274
 307, 393, 396, 397, 399, 401, 402, 404, 405, 409, 424,
 463, 524, 546, 563, 564, 565, 567, 622, 635, 637, 638,
 674, 675
 737, 755, 809, 818, 832, 852, 933, 980
 1020, 1037, 1039, 1139, 1202
 INTERTIDAL
 62, 63, 114, 152, 178, 201, 261
 363, 551
 702, 823, 835, 991
 1067, 1068, 1069, 1071, 1086, 1120

INVERTEBRATES

465, 572

IRON ORE

105

813

ISIPINGO BEACH

1209, 1210

ISOPODA

32, 34, 64, 77, 81, 82, 84, 88, 90, 159, 181, 221,

222, 229, 269, 280

402, 418, 419, 420, 425, 459, 506, 507, 574, 575, 580,

665, 692

708, 710, 712, 713, 738, 800, 802, 866, 867, 869, 872,

873, 965, 966

1024, 1026, 1027, 1057, 1058, 1079, 1108, 1109, 1115,

1122, 1157, 1180, 1184, 1195

IVORY COAST

478, 615, 682, 683

755, 756

1160, 1194

KAFOUTINE

109

KALYPTORHYNCHIA

1060

KAYAR

158

KELP

357

KELP GULL

169

323

1076, 1080

KENYA

1, 2, 25, 225, 277

317, 326, 327, 482, 664, 665, 678, 690, 692

720, 935, 977

1109, 1175

KEYS

12, 82, 89, 90, 125

369, 372, 477, 592

711, 713, 842, 930

1149

KILIFI

2

KINGS BEACH

295

747, 749, 751, 752, 753

KOEBERG

310, 311, 328

KRIBI

907

LACTATE DEHYDROGENASE

1066

LAGOON

1023

LAGOONS

555

LAGOS
37
1173
LAGOS BEACH
142
LAKE KIVU
161, 162
LAKE MALAWI
549
777
LAKE MOBUTU
162
LAKE SIBAYA
154
LAMBERTS BAY
285, 287
LAMP URCHIN
1151, 1152
LAND TYPES
37
LANGEBAAN LAGOON
105, 261
367, 520, 521, 522, 620
803, 991, 992, 995
1130
LANGUE DE BARBARIE
606, 612
LANISTES NYASSANUS
777
LAOPHONTE
1179
LARUS AUDOUINII
104
LARUS DOMINICANUS
323
1076, 1080
LARVAE
431
1116, 1118
LARVAL DEVELOPMENT
810
LEAF
621
LEBANON
674
LEPTASTACUS
842
LIBERIA
3, 233
689
LIBYA
50, 55, 230
305, 306, 419
877
LIFE CYCLE
1116

LINGULA
 477
LINGULA ANATINA
 475
LINGULA MURPHIANA
 476
LINGULA PARVA
 478
LINGULA UNGUIS
 289
 LIPIDS
 20
 LITTER
 593
 985
 LITTORAL
 3, 23, 56, 109, 119, 146, 239, 240, 281, 284, 290,
 293
 417, 510, 526, 604, 605, 607, 609
 739, 757, 759, 761, 896, 900, 923
 1009, 1022, 1027, 1123, 1172, 1218, 1221, 1243
 LOCOMOTION
 174, 190, 218, 220
 588
 1162, 1163
 LOGARITHMIC
 156
 LONGSHORE
 771
 LONGSHORE TRANSPORT
 767
 LUDERITZ
 655
LUPA PELAGICA
 10
 L-GLUTAMATE
 219
MACRODASUS AFRICANUS
 1011
 MACRODASYOIDEA
 1176
 MACROFAUNA
 25, 261, 287, 288
 377, 561, 576, 660, 673
 702, 726, 750, 812, 813, 814, 823, 848, 875, 972, 973,
 991, 992
 1025, 1054, 1119, 1127, 1177, 1226, 1234, 1240
MACROPETASMA AFRICANUS
 296
MACTRA LILACEA
 105
 MADAGASCAR
 18, 71, 88, 101, 118, 119, 143, 267, 270, 273
 321, 324, 325, 332, 333, 346, 352, 354, 355, 361, 387,
 388, 399, 404, 405, 441, 442, 476, 490, 492, 530, 564,
 567
 716, 719, 764, 765, 929, 972, 973, 979

1014, 1015, 1016, 1017, 1024, 1025, 1026, 1027, 1039,
 1148, 1149, 1150
 MADEIRA
 34
 MAHE
 291
 913
 1144
 MAJORCA
 622
 MALACHIIDAE
 1235
 MALACOSTRACA
 1112
 MALATE DEHYDROGENASE
 1066
 MALAWI
 549
 777
 MAMMALIA
 38
 853
 MANAGEMENT
 5, 24, 48, 170
 644
 717, 776, 855, 925
 1061, 1208
 MANGROVES
 416
 1025
 MANTLE
 887
 MAPPING
 8, 60
 MAPUTALAND
 114
MARGINELLA
 99, 101
 MARINE
 6, 7, 13, 15, 98, 144, 214, 227
 557
 1081, 1082, 1083
 MARINE BIOLOGY
 339
 MARINE LIFE
 372
 MARINE PARKS
 678
 MARKING
 999
 MASCARENE ISLANDS
 90
 MASS MORTALITY
 383, 385, 386, 595, 596
 MAURITANIA
 411, 474, 504, 505, 527, 580, 641
 763, 866, 871, 903, 976

1161
 MAURITIUS
 56, 90
 941
 1040, 1165, 1197, 1198
 MEASUREMENT
 443, 445
 MEDITERRANEAN
 12, 23, 32, 131, 268
 395, 398, 401, 563, 576, 622, 652, 679
 875, 969
 1013, 1035, 1044, 1062, 1078, 1140, 1157, 1179, 1230,
 1244
 MEIOFAUNA
 25, 147, 237, 239, 267, 268, 269, 270, 272, 273, 274,
 276
 319, 396, 397, 399, 400, 401, 402, 404, 405, 409, 463,
 524, 543, 546, 547, 549, 553, 554, 563, 564, 565, 567,
 622, 635, 637, 638, 639, 643, 674, 675, 676, 699
 726, 734, 735, 736, 737, 754, 755, 756, 787, 809, 812,
 813, 814, 816, 823, 833, 835, 836, 840, 845, 921, 922,
 939, 980
 1010, 1012, 1013, 1014, 1016, 1017, 1037, 1038, 1060,
 1084, 1085, 1119, 1125, 1202, 1224, 1225, 1226, 1227,
 1231, 1240
 MELYRIDAE
 988
 METABOLISM
 197, 211
 METHODS
 8, 129, 158, 160, 281, 286, 288
 307, 313, 397, 443, 472, 518, 525, 543, 553, 554, 634,
 700
 822, 880, 999
 1168, 1213, 1214, 1215
 MICRO CERBERINAE
 273
MICROCERBERUS PAULIANI
 273
MICROCEREBUS REMYI
 269
 MICROCLIMATE
 851
 MICROFAUNA
 409, 424, 631
 726, 833
 1119
 MICROFLORA
 878
MICROPTALMUS
 110
 MIGIURTINA
 260
 MIGRATION
 423, 473, 656
 835, 848, 958
 1025, 1088, 1187, 1232

MIGRATIONS

1135

MINERALISED

143

MINERALOGY

75, 291

392, 416, 436, 469, 601, 648

1078, 1081, 1082, 1083, 1140

MIXED SHORES

66

MOANDA

604

MOBILE

76

MODEL

825, 832, 834

MOGADISCIO

1052

MOLLUSCA

7, 15, 28, 29, 53, 85, 89, 106, 141, 149, 227, 231,

294

303, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352,

353, 354, 355, 373, 374, 381, 384, 385, 386, 391, 408,

429, 435, 444, 460, 461, 474, 510, 513, 527, 528, 532,

533, 534, 535, 540, 541, 542, 573, 618, 647, 659, 661,

662, 677

705, 706, 707, 711, 720, 721, 724, 731, 740, 741, 742,

743, 777, 819, 844, 849, 877, 882, 884, 887, 901, 907,

908, 909, 910, 911, 915, 916, 917, 924, 929, 930, 944,

945, 946, 947, 948, 949, 950, 963, 964, 971, 976

1021, 1030, 1033, 1091, 1092, 1093, 1094, 1098, 1101,

1102, 1103, 1105, 1106, 1144, 1148, 1155, 1156, 1162,

1166, 1197, 1198, 1203, 1213, 1214

MOMBASA

25

MONITORING

95

310, 311, 456

MOROCCO

14, 16, 104, 106, 108, 133, 232, 269

304, 320, 350, 419, 471, 483, 497, 527, 562, 610, 640,

641, 642, 674, 676

739, 757, 795, 867, 944, 945, 950, 963, 964

1022, 1042, 1218

MORPHODYNAMICS

5

MORPHOLOGY

26, 50

459, 562

MORPHOMETRICS

432

MOSQUITOES

223

MOSSEL BAY

458, 544

1216

MOULTING
 433
 MOVEMENT
 667, 700
 MOZAMBIQUE
 92, 107, 136, 150, 151
 318, 361, 366, 535, 625, 628, 650, 686
 701, 702, 703, 720, 783, 788, 789, 894, 918, 919, 928
 1045, 1047, 1221
 MTUNZINI
 858
 1219, 1220
 MUIZENBERG
 1234
 MUSCLES
 218, 219
 MVUMASE
 906
 MYSIDACEA
 54, 55, 217, 299
 448
 926, 927
 1142, 1236, 1237, 1238, 1239
 MYSTACOCARIDA
 237
 395, 398, 402, 403, 643
 810, 815, 820, 837, 920
 NAMIBIA
 66, 112, 157, 236, 284, 292
 316, 323, 548, 570, 601, 655
 704, 709, 715, 734, 735, 737, 744, 745, 767, 828
 1009, 1010, 1011, 1076, 1127, 1169, 1171, 1229
 NAPOLEON
 140
 NATAL
 111, 113, 115, 127, 154, 294
 366, 422, 452, 626, 627, 633, 651, 670, 671, 672, 696
 804, 805, 858, 878, 904, 906, 931, 932, 937
 1114, 1120, 1145, 1205, 1209, 1210, 1219, 1220
NEMATALYCUS NEMATOIDES
 1125
 NEMATODA
 12, 13
 553, 564, 565, 566, 567, 681
 836
 NEMERTINEA
 697, 698
 1121, 1228
NEOHETEROMYSIS MULLERI
 55
 NERILLIDAE
 1010
NERITA POLITA
 278
 NERVOUS SYSTEM
 421
 1007

NESTING
539, 569, 616, 654
1003, 1051
NEW SPECIES
84
NICHE
169
815
NIGERIA
37, 142
609, 618, 687
1173
NILE DELTA
717, 718, 936
NITRATES
631
NOMENCLATURE
264
NON-ACCLIMATION
206
NOORDHOEK BEACH
132
NORTH AFRICA
4
738
NORTH WEST AFRICA
412
NORTHEAST
8
NORTHERN
928
NORTHWEST
143
NORTHWEST AFRICA
15
485, 579, 582
NORTH-EASTERN ATLANTIC
679
NORWAY
13
NOSSI-BE
441, 442
NOTES
32
NUCLEAR POWER
310, 311, 328
NUMBERS
803
NUMERICAL ANALYSIS
287
509
NURSERY GROUNDS
747
NUTRIENTS
621, 631, 637, 638
727, 729, 825, 832, 989

OBSERVATIONS

7

523

OCEAN ROAD BEACH

901

OCYPODE

91, 113, 115, 166, 233

308, 669

769, 772, 821, 941

1006, 1048, 1175, 1190

OCYPODE AEGYPTIACA

790

OCYPODE CERATOPHTHALMA

92, 127, 167

318, 407, 668, 691

959

OCYPODE FABRICII

914

OCYPODE HIPPEUS

588

OCYPODE KUHLII

482, 691

OCYPODE RYDERI

127

1189

OCYPODE SARATAN

260

773, 774

OCYPODIDAE

325, 630

769

1193

OIL

57, 113, 121, 201, 205, 207

371, 375, 547, 631, 634, 636

722, 766, 839, 840, 857, 935, 938

1072, 1074

OLIGOCHAETA

1227

ONISCOIDEA

280

459, 574

708, 710, 712, 800, 802, 966

1026, 1057, 1058, 1079, 1195

OPHIURA TEXTURATA

58

ORAN

5

ORANGE RIVER ESTUARY

171

ORBINIIDAE

754

ORCHESTIA DEHAYESI

778

ORCHESTIA MONTAGUI

778

OREELIDAE
1017
ORGANIC CARBON
129
ORIENTATION
480, 481, 685
952, 956, 957
1053, 1185
ORTHOPTERA
1034
OSPHRADIUM
216
856, 905
OSTEOPTERYGII
414
OSTEOPTRYGII
415
OSTRACODA
622, 628
1243
OUIDAH
608
OVALIPES PUNCTATUS
426, 427, 428, 429, 430, 431, 432, 433, 434
OWNERSHIP
167
OXYGEN DIFFUSION
202
OXYGEN TENSION
204
OXYRHYNCHA
70
PANGANI BEACH
135
PANTOPODA
131
PARASITES
677
PARASTYGARCTUS HIGGINSI
1014
PARTITIONING
445
PATCHINESS
61, 62, 91
PATTERNS
261, 285, 287
PAUROPODA
1013
PEDIPES
102
PELAGIAN SEA
128
1030
PEMBA
943
PESTICIDES
441, 442

PESTS
 441
 PETITE SYRTE
 1067, 1069, 1070
 PETROGRAPHY
 75
 PHENOL
 578
 PHOSPHATE MINING
 338
 PHOTO-INTERPRETATION
 37
 686
PHYSALIA
 1073
 PHYSICAL CONDITIONS
 851
 PHYSICAL FACTORS
 676
 PHYSIOLOGY
 173, 177, 199, 202
 806, 951, 974, 975, 982
 1051, 1163, 1192
 PHYTOPLANKTON
 238
 824, 841
 1028, 1087, 1088
 PIED WAGTAILS
 1175
 PIGMENTS
 856
PINCTATA
 901
 PIONEER
 621
 PISCES
 10, 14, 52, 79, 80, 235, 242, 243, 245, 246, 247, 248,
 249, 250, 251, 252, 253, 254, 255, 257, 300
 304, 376, 413, 414, 415, 531, 577, 620, 679
 747, 748, 749, 750, 751, 752, 753, 942, 968, 998, 999,
 1000
 1031, 1047, 1065, 1095, 1096, 1178, 1205, 1206, 1207
 PISIONIDAE
 624
 756
PISIONIDENS INDICA
 399
 PLACER DEPOSITS
 1140
 PLANKTON
 680
 760
 PLASTIC
 121
 POINTE NOIRE
 303
 1029

POISONING

597

POLLUTION

57, 65, 72, 94, 95, 96, 105, 113, 121, 176, 182, 183,
 191, 193, 198, 200, 201, 205, 207, 207, 209, 213, 298
 310, 311, 329, 330, 331, 338, 340, 356, 371, 375, 453,
 456, 457, 458, 479, 544, 545, 547, 557, 578, 631, 634,
 635, 636
 722, 766, 805, 813, 839, 840, 857, 931, 932, 935, 938,
 940
 1054, 1072, 1074, 1212, 1213, 1214, 1215, 1216

POLYCHAETA

16, 17, 18, 39, 110, 240, 241
 326, 327, 361, 362, 363, 364, 365, 366, 368, 369, 399,
 464, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497,
 498, 499, 500, 501, 502, 503, 504, 505, 516, 584, 585,
 586, 587, 599, 615, 623, 624, 625, 626, 627, 628, 682,
 683, 688
 723, 746, 754, 755, 756, 808
 1040, 1041, 1042, 1123, 1146, 1222, 1224, 1226, 1245,
 1246

POPULAR ACCOUNT

73, 86, 153, 164, 165, 185, 292
 317, 454, 589, 618
 704, 711, 721, 772, 924, 967, 977
 1021, 1153, 1178

POPULATION

515, 656, 659

POPULATION DYNAMICS

383, 385, 582
 749, 810
 1089, 1131

POPULATION SIZE

323

POPULATIONS

847, 984
 1130, 1132, 1134

PORT ALFRED

779
 1092, 1129, 1166

PORT ELIZABETH

295
 747, 776, 934

PORT SAID

1043

PORTUNIDAE

324

PORT-GUEYDON

896

POSTLARVAL

289

PREDATION

52, 135
 308, 429, 620, 653, 660
 750, 751, 987, 991, 992
 1080, 1090, 1175

PRINCIPE
 503, 529
 PROBLEMS
 226
 PROCESSES
 745
 PRODUCTION
 238
 831, 979
 PROFILES
 1137, 1138
 PROJECT
 24
 PROTOZOA
 446
 1143
PSAMMASTACUS
 842
PSAMMINOPHARGUS PAULIANI
 1038
 PSELAPHIDAE
 262
 PSEUDOSCORPIONES
 791
 PYCNOGONIDS
 87
 RABAT
 106, 232
RAJA ASTERIAS
 246, 250, 252, 253
 RAJIDAE
 14, 246, 250, 252, 253
 RATE
 211
 RECOVERY
 386, 636
 805
 RED SEA
 69, 74, 100, 103, 222, 299
 514, 515, 516, 577, 584, 585, 586, 587, 613, 623, 639,
 697
 742, 743, 758, 768, 769, 790, 923, 926, 959
 1002, 1012, 1036, 1061, 1104, 1108, 1123, 1231
 RED TIDE
 383, 385, 386, 595, 596, 597, 598, 659, 666
 983
 1049, 1050
 REGENERATION
 825, 989
 REGULATION
 197
 REMOTE SENSING
 158
 1075
 REPRODUCTION
 166, 168, 245, 246, 248, 249, 257
 323, 381, 382, 384, 434, 669

817, 844, 892, 893
 1001, 1133, 1152
 RESEARCH
 22, 36
 701, 953, 954, 955, 961
 RESOURCES
 6
 RESPIRATION
 61, 64, 72, 186, 187, 194, 202, 204, 206, 210, 212,
 213, 215
 428, 444, 445, 448, 449, 450, 451, 459, 578, 617
 800, 802, 890
 1118, 1122, 1182
 RESTINGAS
 611
 RESULTS
 21
 REUNION
 93, 99, 147, 148, 266, 274
 771
 1038, 1039
 REVIEW
 12, 62, 195, 199, 205, 226
 401, 450, 455, 557
 759, 826, 827, 846, 955, 969
 1138
RHINOBATOS ANNULATUS
 620
 1031, 1032
RHINOBATOS CEMICULUS
 254, 255, 256, 257
RHINOBATOS RHINOBATOS
 254, 255, 256, 257
 RIDGES
 608
 RIO DE ORO
 527
 RIO NUNEZ
 536
 RIO PONGO
 536
 RIVER
 1124
 RIVERSDALE
 1208
 ROSETTA
 30
 1043, 1078
 RWANDA
 161
 SACCOIRRIDAE
 699
SACCOIRRUS
 1084
SACCOIRRUS HETEROCHAETUS
 699

SAFI
757

SALAMMBO
224
862

SALDANHA BAY
105, 184
520, 521, 522

SALINITY
49, 215
431
807
1201

SALOUM ISLANDS
416

SALT
1201

SALT SPRAY
11, 49
422
782

SAMPLING
146, 281, 286, 288
397, 543

SAND FLATS
789

SAND RIPPLES
377

SAND SHARK
254
620
1032

SANDPIPER
473

SANDPLOVERS
126

SANDS
22, 23, 58, 75, 99, 108, 146
320, 550, 551, 601, 608, 648, 652, 667
783, 785, 978
1078, 1124, 1143, 1158

SANDSVIS
715

SANDVIS
112

SANDWICH HARBOUR
1127

SANTIAGO ISLAND
417

SAO THOME
489, 503, 529, 588
741, 797, 915, 917
1155, 1156

SAR UANLE
36, 120, 240, 262, 263, 280
406, 506, 552
791, 851, 852, 899, 953, 954, 955

1185, 1186, 1187, 1188, 1190, 1191, 1193, 1235
 SAVIGNY
 140
 SCAPHOPODA
 910, 911, 964
 SCARABAEIDAE
 988
SCAVEOLA THUNBERGII
 621
 951
 1201
SCHIZODESMA SPENGLERI
 573
 SCHIZOPODA
 1247
SCHROEDERELLA PAULIANI
 754
SCIRPUS NODOSUS
 46, 49
 781, 782
 SCYMAENIDAE
 263
 SEA LEVEL
 1141, 1196
 SEASON
 428, 430, 451
 1182
 SEASONAL
 20, 27
 838, 991
 1135
 SEAWATER
 465
 818, 825
 SEDIMENT TRANSPORT
 1137
 SEDIMENTOLOGY
 30, 108, 160
 389, 390, 410, 416, 466, 518, 522, 525, 687
 718, 801
 1022, 1124, 1233
 SEDIMENTS
 4, 30, 116, 122, 123, 128, 129, 145, 161, 162, 265,
 286, 291
 337, 392, 425, 436, 465, 466, 468, 469, 470, 472, 520,
 521, 522, 524, 536, 543, 546, 550, 551, 601, 634, 700
 744, 745, 776, 783, 785, 801, 811, 813, 816, 879, 880,
 896, 897, 898, 906, 931, 932, 972, 979
 1018, 1062, 1078, 1081, 1082, 1083, 1124, 1138, 1150,
 1158, 1218
 SEED GERMINATION
 1242
 SEED VIABILITY
 1201
 SELACII
 52, 255
 304

998, 999, 1000
 1001
 SELECTION
 546
 SENEGAL
 24, 35, 75, 76, 109, 158, 234, 235, 265, 271, 272
 319, 344, 402, 410, 416, 420, 436, 437, 438, 439, 440,
 475, 484, 488, 498, 499, 501, 502, 504, 505, 512, 537,
 603, 606, 612, 614, 694
 801, 859, 865, 902
 1034, 1046, 1099, 1100, 1158, 1200
 SENESENCE
 621
 SENSORY ORGAN
 540, 541, 663
 889, 974, 975
 SERPULIDAE
 1246
 SETTLEMENT
 381
 901
 SETTLING COLUMN
 160
 518, 522, 525
 SEWAGE
 298
 479
 SEX
 996
 SEXUAL MATURITY
 256
 SEYCHELLES
 9, 134, 168, 278, 282, 291
 345, 418, 487, 539, 569, 602, 673
 799, 913, 914, 935, 967
 1033, 1063, 1064, 1096, 1097, 1144, 1165
 SHELL
 289
 SHELLS
 85, 100, 103, 106, 140, 231, 294
 303, 336, 343, 344, 354, 355, 460, 573
 711, 721, 740, 741, 908, 909, 924, 945, 971
 1021, 1030, 1091, 1092, 1097, 1101, 1102, 1103, 1105,
 1155, 1156, 1166, 1197, 1198, 1203
 SHORE
 1, 4, 8, 106, 157, 280
 506, 552, 556, 645
 765, 851, 852, 953, 954, 955, 977
 1191, 1193
 SHORE AVES
 135
 847
 SHORE LIFE
 86
 SHORELINE
 1
 1167, 1169, 1220

SHORES

2, 66, 153, 278, 281
 364, 365, 372, 417, 460
 703, 936
 1141

SIDI-FERRUCH

389, 390

SIERRA LEONE

7

1089, 1143

SIERRA LEONE PENINSULA

1143

SILPHIDAE

987

SILTING

695

SIPHONS

661, 662

890

SIPUNCULA

332, 333, 334, 517, 641, 642

899, 900

1223

SIPUNCULIDA

1120

SIZE

167, 256

SKELETON COAST

744

SOCOTRA

912

SOIL

851

SOIL SALINITY

11

422

SOILS

782

SOLEN CAPENSIS

662

SOLIFUGAE

406

SOMALIA

36, 53, 120, 240, 262, 263, 279, 280, 281, 290

406, 480, 481, 506, 528, 552, 600, 613

791, 851, 852, 853, 899, 900, 952, 953, 954, 955, 956,
 958, 960

1020, 1052, 1053, 1060, 1098, 1176, 1185, 1186, 1187,

1188, 1189, 1190, 1191, 1193, 1235

SOMERSET WEST

453

SOURCES

785

SOUTH AFRICA

11, 28, 41, 42, 43, 44, 45, 61, 62, 63, 64, 65, 66,

67, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 89,

94, 95, 96, 105, 110, 111, 113, 114, 115, 122, 123,

124, 129, 130, 132, 139, 144, 145, 152, 154, 155, 156,
 164, 169, 170, 171, 173, 175, 178, 179, 180, 181, 182,
 184, 185, 191, 193, 194, 200, 201, 203, 205, 206, 214,
 217, 238, 261, 285, 287, 294, 295, 297, 300
 308, 309, 310, 311, 313, 314, 322, 323, 328, 330, 339,
 340, 356, 357, 361, 362, 363, 364, 365, 366, 367, 369,
 370, 371, 372, 374, 375, 376, 377, 378, 383, 385, 386,
 422, 431, 446, 452, 453, 454, 455, 456, 457, 479, 509,
 517, 519, 520, 521, 522, 523, 543, 544, 545, 547, 550,
 551, 571, 572, 573, 589, 591, 592, 593, 594, 595, 596,
 597, 598, 601, 616, 617, 620, 624, 626, 627, 628, 633,
 635, 636, 637, 644, 645, 646, 651, 656, 666, 670, 671,
 672, 680, 681, 684, 695, 696, 699
 704, 705, 706, 711, 713, 730, 731, 732, 733, 745, 747,
 748, 749, 750, 751, 752, 753, 754, 760, 776, 779, 780,
 803, 804, 805, 806, 808, 809, 811, 812, 813, 814, 817,
 818, 819, 820, 821, 823, 827, 831, 836, 837, 838, 841,
 842, 843, 845, 846, 847, 848, 850, 857, 858, 878, 879,
 880, 895, 904, 906, 920, 931, 932, 933, 934, 935, 937,
 938, 939, 940, 981, 983, 984, 985, 986, 987, 988, 991,
 992, 994, 995
 1003, 1018, 1021, 1031, 1032, 1054, 1059, 1072, 1073,
 1074, 1075, 1081, 1082, 1083, 1086, 1087, 1088, 1092,
 1093, 1094, 1101, 1102, 1103, 1107, 1110, 1111, 1112,
 1113, 1114, 1115, 1117, 1120, 1124, 1126, 1128, 1129,
 1130, 1132, 1133, 1134, 1142, 1145, 1151, 1152, 1166,
 1167, 1169, 1170, 1177, 1178, 1181, 1184, 1203, 1208,
 1209, 1210, 1211, 1212, 1215, 1216, 1219, 1220, 1228,
 1233, 1234, 1236, 1237, 1238, 1239, 1240, 1242

SOUTH COAST

152

666

SOUTHEASTERN CAPE

1003, 1212

SOUTHERN

1

SOUTHERN AFRICA

125, 126, 153

315, 358, 359, 360, 373, 583, 590, 660

714, 721, 787

1084, 1085, 1095, 1135, 1164, 1169, 1205, 1206, 1207

SOUTHERN CAPE

1170

SOUTHERN COAST

2

SOUTHWESTERN CAPE

139

940, 994

1073, 1132, 1133, 1134

SPANISH SAHARA

640

SPECIES DIVERSITY

286

SPHAEROMATIDAE

665

SPIRAL

156

SQUARE POINT
1076
ST FRANCIS BAY
780
1216
STABILIZATION
48, 170
556
1129
STAPHYLINIDAE
279
987
STATISTICAL ANALYSIS
161
STENOGLOSSA
724
STERNA
142
STERNA BALAENARUM
1003
STEROLS
20
STOMATOPODA
1002, 1199
STRANDED AVES
45, 111
STRANDED BIRDS
41, 42, 43, 44
314
STRANDED JELLYFISH
1073
STRANDED KELP
593, 594
725, 728, 729, 981
1117, 1118, 1119
STRANDED MAMMALS
297
437, 438, 439, 440
792
1153
STRANDED ORGANIC MATTER
985, 986
STRATIFICATION
823, 833, 845
STYGARCTIDA
1015
STYGARCTIDAE
1017
STYLONOCOPS SPINOSIFRONS
441, 442
SUAKIN
293
SUBLITTORAL
300
377
845

SUBMERGED

22

SUBTIDAL

114, 122, 152, 228, 285, 287

468, 469, 509, 519, 523, 524, 550, 551

716, 764, 775, 859, 879, 880, 931, 932, 972

1099, 1139, 1144, 1152

SUBTROPICAL

13

SUCTION

288

SUDAN

293

758, 935

1061, 1108

SUMMARY

495

SUNDAYS RIVER BEACH

238

SUPRALITTORAL

840

SUPRATIDAL

232

SURF ZONE

238, 295

732, 747, 748, 750, 752, 753, 824, 829, 841, 989

1028, 1087, 1088, 1234, 1239

SURVEY

94, 95, 96, 115, 201

328, 453, 456, 457, 458, 544, 545, 557, 673

715, 775, 779, 843, 878, 940

1216

SURVIVAL

168

SWAKOPMUND

570

SWIMMING PRAWN

296

SYNCARIDA

405

TABLE BAY

182

940

1054

TALITRIDAE

19

471, 480, 481, 685

722, 778, 795, 895, 956, 957, 958

1053, 1111, 1174, 1182

TALORCHESTIA

722

TALORCHESTIA BRITO

1174

TALORCHESTIA CAPENSIS

895

1181, 1182

TALORCHESTIA MARTENSII

480, 481
956, 957, 958
1053

TALORCHESTIA QUADRISPINOSA

685

TALORCHESTIA SPINIFERA

471
795

TANAIDACEA

872, 873
1027, 1108

TANAIDS

82

TANGIERS

739

TANKER

857

TANKERS

121
938

TANZANIA

8, 54, 135, 165, 221, 226
326, 327, 526, 625, 629, 630, 678
761, 901, 943
1006, 1090, 1105

TAR BALLS

938
1074

TARDIGRADA

1014, 1015, 1016, 1017

TAXONOMY

7, 12, 16, 17, 18, 19, 34, 39, 40, 55, 67, 68, 69, 70,
71, 77, 78, 79, 80, 81, 82, 84, 87, 88, 89, 90, 99,
101, 102, 110, 125, 138, 147, 148, 222, 229, 235, 239,
244, 251, 252, 254, 258, 260, 264, 266, 267, 268, 269,
271, 273, 275, 282, 283, 284, 299
305, 306, 312, 319, 321, 324, 325, 326, 327, 332, 333,
334, 344, 345, 348, 351, 353, 358, 359, 360, 362, 366,
368, 369, 380, 400, 403, 405, 406, 408, 418, 419, 435,
463, 464, 477, 483, 484, 486, 488, 489, 491, 493, 494,
496, 497, 498, 499, 500, 501, 502, 503, 506, 511, 512,
513, 516, 529, 531, 532, 533, 534, 549, 552, 558, 564,
566, 567, 574, 575, 584, 585, 586, 587, 590, 591, 614,
615, 623, 624, 625, 626, 626, 627, 628, 630, 639, 641,
642, 643, 649, 650, 665, 681, 682, 683, 684, 688, 692,
693, 699
709, 719, 720, 723, 724, 730, 731, 732, 734, 735, 742,
743, 746, 754, 756, 758, 764, 768, 769, 786, 787, 791,
793, 794, 796, 797, 798, 799, 808, 820, 837, 842, 861,
862, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873,
874, 875, 876, 899, 911, 920, 921, 922, 923, 926, 927,
929, 941, 944, 946, 947, 950, 960, 966, 970, 986, 987,
988
1002, 1004, 1005, 1008, 1010, 1011, 1014, 1015, 1016,
1017, 1020, 1026, 1034, 1037, 1040, 1041, 1042, 1055,
1056, 1059, 1060, 1063, 1064, 1077, 1084, 1085, 1091,

1093, 1094, 1104, 1107, 1108, 1109, 1110, 1111, 1113,
1114, 1115, 1121, 1123, 1125, 1128, 1142, 1145, 1146,
1147, 1148, 1155, 1156, 1165, 1174, 1176, 1180, 1184,
1188, 1193, 1195, 1198, 1217, 1221, 1222, 1223, 1225,
1227, 1228, 1230, 1231, 1235, 1236, 1246, 1247

TELEOSTEI
747, 749, 751
1047

TELLINACEA
541, 542
742

TEMA
461

TEMPERATE
13

TEMPERATURE
28, 152, 210, 211, 212
428, 431, 444, 451
807, 849
1051, 1182, 1196

TENEBRIONIDAE
35, 36
988

TENERIFFE
921, 922

TEREBRA MICANS
618

TERRAIN
37

TERRESTRIAL
9, 34, 81, 88, 90, 134, 229, 280, 293
418, 419, 420, 506, 507, 602
966
1039, 1057, 1058

TEXTURE
469

THELPHUSA PELII
138

THERMAL
310

THORIUM DIOXIDE
208

TIDAL
676
848
1025

TIDES
1191

TIGHZIRT
897

TISSUE
27

TISSUES
330

TITANIUM
436

TURTLES

168, 234
539, 569, 670, 671, 672
804
1051

TYLOS

506
708, 712
1026, 1195

TYLOS CAPENSIS

1079

TYLOS GRANULATUS

459
710, 800, 802
1122

TYLOS LATREILLI

33
574

UCA STENODACTYLA

135

ULTRASONICATION

472

UMM EL RAKHAM

467

UNPOLLUTED

637

UPOGEBIIDAE

380

UPPER

28

UPTAKE

301, 302

VARIATION

20
752, 753

VAUNTHOMPSONIINAE

358

VEGETATION

3, 11, 46, 47, 49, 109, 118, 119, 139, 170, 259, 290
422, 538, 562, 570, 621, 633, 646, 651
779, 781, 782, 858, 859, 902, 903, 934, 951
1126, 1154, 1183, 1200, 1209, 1210, 1219, 1220, 1242

VIBRIO PARAHAEMOLYTICUS

465

VICTORIA BEACH

1173

VOLUMES

818

WADERS

107, 225
316, 412, 423, 655
733, 984, 997
1130, 1132, 1134, 1135, 1167, 1169, 1170, 1171, 1229

WALVIS BAY

828

WATAMU BEACH

690

TOGO
1023, 1041

TOLERANCE
209
807
1201

TOLERANCES
28

TONGAAT BEACH
651

TONGALAND
804

TORPEDINIDAE
248, 251

TORPEDO MACKAYANA
251

TORPEDO MARMORATA
242, 248

TORPEDO NOBILIANA
242, 251

TORPEDO TORPEDO
1001

TOURISM
855

TOXICITY
183
331, 659
983

TOXINS
1049, 1050

TRACE ELEMENTS
1177, 1216

TRANSKEI
1236, 1240

TRANSPORT
771
1018

TRIPOLI
230
419

TROMBIDIFORMES
1125

TUBELLATIA
1060

TULEAR
716, 764, 973
1024, 1025, 1149, 1150

TUNISIA
51, 52, 128, 224, 241, 242, 243, 244, 245, 246, 247,
248, 249, 250, 253, 254, 255, 256, 257, 283
338, 343, 347, 393, 394, 401, 419, 565, 674, 675, 676
854, 855, 862, 925, 946, 947, 949, 971, 998, 999,
1000
1001, 1030, 1067, 1069, 1070, 1183, 1202, 1222, 1224,
1225, 1226, 1227, 1245

TURBELLARIA
463

WATER PORES

770

WATER TABLES

133

WAVE ACTION

367

WAVES

378, 556, 676

1136, 1139, 1196

WEIGHT

27

582

WEST AFRICA

3, 17, 39, 70, 73, 141, 223, 275

334, 348, 349, 380, 424, 460, 486, 491, 511, 513, 531,

605, 677, 693

723, 724, 759, 762, 775, 792, 793, 794, 871, 876, 908,

908, 910, 911, 930, 942, 966, 970

1004, 1008, 1055, 1057, 1065, 1091, 1106, 1121, 1128,

1141, 1203, 1217, 1223, 1232, 1241, 1246, 1247

WEST BEACH

1129

WEST COAST

61, 63, 122, 123, 152, 194, 265

330, 356, 383, 385, 386, 517, 530, 595, 666

1177

WESTERN SAHARA

527

WHITE-FRONTED PLOVER

1133

WIDENHAM

878

WINTER

20

1161

XEFINA GRANDE ISLAND

783

XENOPOCLINIDAE

300

ZAIRE

68, 159, 162, 258

341, 435, 500, 566, 604, 688

1005, 1056, 1077, 1180

ZANZIBAR

165

326, 678

943

ZARZIS

854

ZINC

72, 213

356

ZONATION

61, 63, 232, 279, 280

385, 422

823, 845

1067, 1069, 1238

RECENT TITLES IN THIS SERIES

48. A bibliography of seabirds in the waters of southern Africa, the Prince Edward and Tristan Groups. J Cooper and R K Brooke. December 1981. 297 pp.
49. *National Geoscience Programme. The evolution of earth resource systems. SACUGS. June 1981. 42 pp.
50. South African Antarctic Biological Research Programme. SASCAR. July 1981. 54 pp.
51. South African Marine Pollution Monitoring Programme 1979-1982. R J Watling and C E Cloete (editors). July 1981. 52 pp.
52. *Structural characterization of vegetation in the fynbos biome. B M Campbell, R M Cowling, W J Bond and F J Kruger in collaboration with D P Bands, C Boucher, E J Moll, H C Taylor and B W van Wilgen. August 1981. 19 pp.
53. *A bibliography of fynbos ecology. M L Jarman, R M Cowling, R Haynes, F J Kruger, S M Pierce and G Moll. August 1981. 73 pp.
54. *A description of the Benguela Ecology Programme 1982-1986. SANCOR: W R Siegfried and J G Field (editors). March 1982. 39 pp.
55. Trophic ecology of Lepidoptera larvae associated with woody vegetation in a savanna ecosystem. C H Scholtz. June 1982. 29 pp.
56. Man and the Pongola floodplain. J Heeg and C M Breen. June 1982. 117 pp.
57. *An inventory of plant communities recorded in the western, southern and eastern Cape Province, South Africa up to the end of 1980. C Boucher and A E McDonald. September 1982. 58 pp.
58. A Bibliography of African inland water invertebrates (to 1980). B R Davies, T Davies, J Frazer and F M Chutter. September 1982. 418 pp.
59. An annotated checklist of dung-associated beetles of the Savanna Ecosystem Project study area, Nylsvley. S Endrödy-Younga. September 1982. 34 pp.
60. The termites of the Savanna Ecosystem Project study area, Nylsvley. P Ferrar. September 1982. 41 pp.
61. *Conservation of ecosystems: theory and practice. A report on a workshop meeting held at Tsitsikama, South Africa, September 1980. W R Siegfried and B R Davies (editors). September 1982. 97 pp.
62. *A description of the Grassland Biome Project. M T Mentis and B J Huntley (editors). October 1982. 29 pp.
63. Description of a fire and its effects in the Nylsvley Nature Reserve: A synthesis report. M V Gandar. October 1982. 39 pp.

64. Terrestrial ecology in South Africa - project abstracts for 1980-1981. December 1982. 148 pp.
65. *Alien invasive vascular plants in South African natural and semi-natural environments: bibliography from 1830. V C Moran and P M Moran. December 1982. 42 pp.
66. Environmental research perspectives in South Africa. December 1982. 39 pp.
67. The SANCOR Estuaries Programme 1982-1986. February 1983. 43 pp.
68. The SANCOR Programme on Coastal Processes. April 1982 - March 1988. D H Swart (editor). February 1983. 30 pp.
69. Guidelines for the management of large mammals in African conservation areas. The proceedings of an international workshop held at Olifants Camp, Kruger National Park, South Africa. A A Ferrar (editor). May 1983. 95 pp.
70. *Marine Linefish Programme - Priority Species List. SANCOR. J H Wallace and R P van der Elst (editors). May 1983. 113 pp.
71. *Mineral nutrients in mediterranean ecosystems. J A Day (editor). June 1983. 165 pp.
72. South African programme for the SCOPE project on the ecology of biological invasions. A description and research framework produced by the Task Group for Invasive Biota of the National Programme for Environmental Sciences. July 1983. 25 pp.
73. South African marine pollution survey report 1976-1979. B D Gardner, A D Connell, G A Eagle, A G S Moldan, W D Oliff, M J Orren and R J Watling. September 1983. 105 pp.
74. Ecological notes and annotated checklist of the grasshoppers (Orthoptera: Acridoidea) of the Savanna Ecosystem Project study area, Nylsvley. M V Gandar. November 1983. 42 pp.
75. *Fynbos palaeoecology: a preliminary synthesis. H J Deacon, Q B Hendey, J J N Lambrechts (editors). December 1983. 216 pp.
76. *A South African perspective on conservation behaviour - a programme description. A A Ferrar (compiler). December 1983. 34 pp.
77. Limnology and fisheries potential of Lake Le Roux. B R Allanson and P B N Jackson (editors). December 1983. 182 pp.
78. Limnology of Lake Midmar. C M Breen (editor). December 1983. 140 pp.
79. The limnology of the Touw River floodplain : B R Allanson and A K Whitfield. December 1983. 35 pp.
80. *SANCOR Summary Report on Marine Research 1983. February 1984. 52 pp.

81. *South African Antarctic Earth Science Research Programme. SASCAR. February 1984. 53 pp.
82. *The SANCOR Marine Sedimentology Programme. January 1984 - December 1988. I C Rust (editor). March 1984. 15 pp.
83. *A description of major vegetation categories in and adjacent to the fynbos biome. E J Moll, B M Campbell, R M Cowling, L Bossi, M L Jarman, C Boucher. March 1984. 29 pp.
84. *Environmental research perspectives in South Africa. February 1984. 77 pp.
85. Invasive alien organisms in the terrestrial ecosystems of the fynbos biome, South Africa. I A W Macdonald and M L Jarman. April 1984. 72 pp.
86. Terrestrial ecology in South Africa - project abstracts for 1982-1983. May 1984. 198 pp.
87. Conservation priorities in lowland fynbos. M L Jarman. 1986. 55 pp.
88. A synthesis of plant phenology in the fynbos biome. Shirley M Pierce. July 1984. 57 pp.
89. *Aquaculture in South Africa : A cooperative research programme. O Safriel and M N Bruton. June 1984. 79 pp.
90. Pipeline discharges of effluents to sea. D A Lord, F P Anderson and J K Basson (editors). October 1984. 108 pp.
91. Monitoring in South African grasslands. M T Mentis. September 1984. 55 pp.
92. Conservation of threatened natural habitats. A V Hall (editor). November 1984. 185 pp.
93. Limnological criteria for management of water quality in the Southern Hemisphere. R C Hart and B R Allanson (editors). December 1984. 181 pp.
94. Water quality criteria for the South African coastal zone. J A Lusher (editor). December 1984. 43 pp.
95. National Programme for Weather, Climate and Atmosphere Research. Annual report 1984/85. C W Low (compiler). December 1984. 28 pp.
96. A guide to the literature on research in the grassland biome of South Africa. N M Tainton. December 1984. 77 pp.
97. South African Red Data Book - Birds. R K Brooke. December 1984. 213 pp.
98. Directory of southern African conservation areas. T Greyling and B J Huntley (editors). December 1984. 311 pp.

99. The effects of crude oil pollution on marine organisms. A C Brown. February 1985. 33 pp.
100. *SANKON Opsommingsverslag oor mariene navorsing 1984. Februarie 1985. 51 pp.
- 101-E. Report of the Main Research Support Programme. February 1985. 30 pp.
- 101-A. Verslag van die Hoofprogram vir Navorsingsondersteuning. Februarie 1985. 30 pp.
102. National Programme for Remote Sensing. Report: 1984. P J van der Westhuizen. February 1985. 50 pp.
103. Bibliography of marine biology in South Africa. A supplement to the 1980 edition. A C Brown. March 1985. 83 pp.
104. The plant communities of Swartboschkloof, Jonkershoek. D J McDonald. March 1985. 54 pp.
105. Simulation modelling of fynbos ecosystems: systems analysis and conceptual models. F J Kruger, P M Miller, J Miller and W C Oechel (editors). March 1985. 101 pp.
106. The Kuiseb environment: the development of a monitoring baseline. B J Huntley (editor). March 1985. 138 pp.
107. Annotated bibliography of South African indigenous evergreen forest ecology. C J Geldenhuys. May 1985. 125 pp.
108. *Review of metal concentrations in southern African coastal waters, sediments and organisms. H F-K O Hennig. August 1985. 140 pp.
109. Coastal dunes of South Africa. K L Tinley. September 1985. 293 pp.
110. The limnology of Hartbeespoortdam. NIWR. September 1985. 269 pp.
111. Management of invasive alien plants in the fynbos biome. I A W Macdonald, M L Jarman and P Beeston (editors). October 1985. 140 pp.
112. The SANCOR Marine Pollution Research Programme 1986 - 1990. October 1985. 16 pp.
113. Alien and translocated aquatic animals in southern Africa : a general introduction, checklist and bibliography. M N Bruton and S V Merron. October 1985. 59 pp.
114. A synthesis of field experiments concerning the grasslayer in the savanna regions of southern Africa. T G O'Connor. October 1985. 126 pp.
115. South African marine pollution survey report 1979 - 1982. B D Gardner, A D Connell, G A Eagle, A G S Moldan and R J Watling. December 1985. 81 pp.

8366317

116. Basic needs in rural areas. A report on a seminar held in Cape Town on 19 February 1985. December 1985. 103 pp.
117. South African Red Data Book: Plants - fynbos and karoo biomes. A V Hall and H A Veldhuis. 144 pp.
118. Invasive alien plants in the terrestrial ecosystems of Natal, South Africa. I A W Macdonald and M L Jarman (editors). 1985. 88 pp.
119. Invasive alien organism in South West Africa/Namibia. C J Brown, I A W Macdonald and S E Brown. 1985. 74 pp.
120. The impact of climate and weather on the activities of the building and construction industry in South Africa. G du Toit de Villiers (compiler). 1986. 40 pp.
121. Ecological research on South African rivers - a preliminary synthesis. J H O'Keeffe. 1986. 121 pp.
122. A description of the karoo biome project. R M Cowling. 1986. 42 pp.
123. SANCOR: Summary report on marine research 1985. February 1986. 57 pp.
124. The karoo biome: a preliminary synthesis. Part I - Physical environment. R M Cowling, P W Roux and A J H Pieterse (editors). 1986. 110 pp.
125. South African Red Data Book - Terrestrial mammals. R H N Smithers. 1986. 216 pp.
126. A bibliography of sandy beaches and sandy beach organisms on the African continent. R Bally. March 1986. 179 pp.

*Out of print.