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A CHECKLIST OF MARINE PLANTS AND ANIMALS OF THE SOUTH COAST OF THE DOMINICAN REPUBLIC

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INTRODUCTION

A RESEARCH cruise on the R/V Crawford to the South Coast of the Dominican Republic was conducted 14-22 May 1979 by the Department of Marine Sciences in cooperation with Centro de Investigaciones de Biología Marina de la Universidad Autónoma de Santo Domingo. Almost 500 species of plants and animals were collected or observed during more than 100 man-hours underwater.

MATERIALS AND METHODS

One hundred sixty-eight scuba dives were made by 14 members of the Department of Marine Sciences and four members of Centro de Investigaciones de Biología Marina. Three

study areas were selected (Fig. 1): (1) La Caleta, 18°26.2'N, 69°41.3'W, (2) Isla Saona, 18°06'N, 68°40'W (3) Isla Catalina, 18°21.4'W, 69°01'W.

Scientific names and author(s) are listed for each species in the checklist. Common names are noted whenever possible. The compiler(s) responsible for each segment of the checklist is(are) noted in the beginning of the segment. Segments are separated by horizontal lines. The three letter code in the righthand margin corresponds to the three study areas (Fig. 1). The letters indicate: (C) specimen collected, (O) specimen observed and identified in the field.

Luis H. Mendoza served as Captain, Ernest H. Williams as chief Scientist, Walter F. Hendrick as safety officer for this cruise.

LIST OF ORGANISMS

VIRUSES — Lucy Bunkley Williams

Lymphocystis Disease Virus in *Eupomacentrus partitus* — C —

PLANTS — David L. Ballantine

Phylum Chlorophyta	
Order Cladophoraceae	
Family Cladophoraceae	
<i>Cladophora</i> sp.	C — —
Order Siphonocladiales	
Family Dasycladaceae	
<i>Neomeris annulata</i> Dickie	— — C
Family Valoniaceae	
<i>Anadyomene stellata</i> (Wulfen) C. Agardh	— — C
<i>Valonia ventricosa</i> J. Agardh	— C —
<i>Microdictyon boergesenii</i> Setchell	— — C
Order Siphonales	
Family Caulerpaceae	
<i>Caulerpa cupressoides</i> (West) C. Agardh	— C C
<i>Caulerpa mexicana</i> (Sonder) J. Agardh	— C C
<i>Caulerpa microphysa</i> (Weber-van Bosse) J. Feldmann	— — C
<i>Caulerpa prolifera</i> (Forsskal) Lamouroux	— — C
<i>Caulerpa racemosa</i> (Forsskål) J. Agardh	— C —
<i>Caulerpa serrulata</i> (Forsskål) J. Agardh	— — C
<i>Caulerpa sertularioides</i> Howe	— — C
Family Codiaceae	
<i>Avrainvillea nigricans</i> Decaisne	— — C
<i>Codium isthmocladum</i> Vickers	— C —
<i>Halimeda copiosa</i> Goreau and Graham	C — C
<i>Halimeda discoidea</i> Decaisne	— — C
<i>Halimeda favulosa</i> Howe	— C —
<i>Halimeda monile</i> (Ellis and Solander) Lamouroux	— — C
<i>Halimeda opuntia</i> (L.) Lamouroux	— C C
<i>Halimeda simulans</i> Howe	— — C
<i>Halimeda</i> sp.	— — C
<i>Penicillus capitatus</i> Lamarck	— — C
<i>Penicillus dumetosus</i> (Lamouroux) Blainville <i>F. expansus</i> Børgesen	— C —
<i>Penicillus pyriformis</i> A. Gepp and E. S. Gepp	— C C
<i>Rhypocephalus phoenix</i> (Ellis and Solander) Kützing	C — —
<i>Udotea conglutinata</i> (Ellis and Solander) Lamouroux	— C C
<i>Udotea cyathiformis</i> Decaisne	— C C
<i>Udotea flabellum</i> (Ellis and Solander) Lamouroux	— — C
Phylum Phaeophyta	
Order Sphacelariales	
Family Sphacelariaceae	
<i>Sphacelaria novae-hollandiae</i> Sender	C — —
Order Dictyotales	
Family Dictyotaceae	
<i>Dictyota bartayresii</i> Lamouroux	— — C
<i>Dictyota cervicornis</i> Kützing	— — C
<i>Dictyota dentata</i> Lamouroux	— — C
<i>Dictyota dichotoma</i> (Hudson) Lamouroux	— C C
<i>Dictyota divaricata</i> Lamouroux	— C C
<i>Lobophora variegata</i> (Lamouroux) Womersley	C — —
<i>Stypododium zonale</i> (Lamouroux) Popenfuss	— — C
Order Punctariales	
Family Punctariaceae	
<i>Rosenvingea intricata</i> (J. Agardh) Børgesen	— C —
Order Fucales	
Family Sargassaceae	
<i>Sargassum polyceratum</i> Montagne	— — C

Phylum	Rhodophyta	
Order	Nemalionales	
Family	Helminthocladiaceae	
	<i>Liagora megagyna</i> Børgesen	— — C
Family	Geludiaceae	
	<i>Gelidium pusillum</i> (Stackhouse) Le Jolis	— — C
Family	Wurdemanniaceae	
	<i>Wurdemannia miniata</i> (Draparnaud) Felman and Hamel	C — —
Order	Cryptonemiales	
Family	Corallinaceae	
	<i>Fosliella farinosa</i> (Lamouroux) Howe	— C —
Family	Corallineae	
	<i>Amphiroa fragillissima</i> (L.) Lamouroux	C — —
	<i>Amphiroa tribulus</i> (Ellis and Solander) Lamouroux	C — —
	<i>Jania adherens</i> Lamouroux	C — —
Family	Grateloupiaceae	
	<i>Cryptonemia crenulata</i> J. Agardh	— — C
Order	Gigartinales	
Family	Gracilariaceae	
	<i>Gracilaria</i> sp.	— C —
Family	Rhodymeniales	
	<i>Champia parvula</i> (C. Agardh) Harvey	— C —
	<i>Lomontaria baileyana</i> (Harvey) Farlow	— C —
Order	Ceramiales	
Family	Ceramiaceae	
	<i>Antithamnion</i> sp.	— — C
	<i>Callithamnion byssoides</i> Arnott	— — C
	<i>Callithamnion</i> sp.	— C —
	<i>Centroceras clavulatum</i> (C. Agardh) Montagne	C — C
	<i>Ceramiella</i> sp.	C — —
	<i>Ceramium byssoideum</i> Harvey	C C C
	<i>Ceramium cruciatum</i> Collins and Hervey	— C —
	<i>Ceramium</i> sp.	— C C
	<i>Cruoania attenuata</i> (Bonnemaison) J. Agardh	— C C
	<i>Griffithsia globulifera</i> Harvey	— C C
	<i>Griffithsia</i> sp.	— C C
	<i>Gymnothamnion elegans</i> (Schousboe) J. Agardh	C — —
	<i>Haloplegma duperreyi</i> Montagne	— — C
	<i>Spermothamnion investiens</i> (Crouan) Vickers	— — C
	<i>Tiffaniella gorgoneum</i> (Montagne) Doty and Meñez	— — C
	<i>Tiffaniella saccorhiza</i> (Setchell and Gardner) Doty and Meñez	— C —
	<i>Wrangelia argus</i> Montagne	— C —
	<i>Wrangelia bicuspidata</i> Børgesen	— — C
	<i>Wrangelia penicillata</i> C. Agardh	— C C
Family	Delesseriaceae	
	<i>Hypoglossum tenuifolium</i> (Harvey) J. Agardh	C C C
	<i>Martensia pavonia</i> (J. Agardh) J. Agardh	— C C
	<i>Platysiphonia miniata</i> (C. Agardh) Børgesen	C — —
Family	Dasyaceae	
	<i>Dasya pedicillata</i> (C. Agardh) C. Agardh	— — C
	<i>Halodictyon mirabile</i> Zanardini	— — C
	<i>Heterosiphonia wurdemanni</i> (Bailey ex Harvey) Falkenberg	C — C
Family	Rhodomelaceae	
	<i>A canthophora spicifera</i> (Vahl) Børgesen	— C C
	<i>Chondria curvilineata</i> Collins and Hervey	— C C
	<i>Chondria</i> sp.	C — —
	<i>Falkenbergia hillebrandii</i> (Bornet) Falkenberg	— — C
	<i>Herposiphonia tenella</i> (C. Agardh) Ambronn	C — C
	<i>Laurencia poitei</i> (Lamouroux) Howe	— C —
	<i>Lophocladia trichocladus</i> (Mertens) Schmidt	C — C
	<i>Polisiphonia ferulacea</i> Suhr	— — C
	<i>Polysiphonia havanensis</i> Montagne	C C C
	<i>Wrightiella tumanowiczii</i> (Gatty) Schmidt	— — C

Phylum Cyanophyta		
Order Hormogoniales		
Family Oscillatoriaceae		
<i>Microcoleus lyngbyaceus</i> (K Crouan		C C C
<i>Schizothrix arenaria</i> (Berkeley) Gomont		— — C
Phylum Embryophyta		
Order Naidales		
Family Potamogetonaceae		
<i>Syringodium filiforme</i> Kützing — Manatee grass		— C —
Order Hydrocharitales		
Family Hydrocharitaceae		
<i>Halophila baillonis</i> Ascherson		— C —
Phylum Protozoa		
Class Sarcodina		
Order Forminifera		
<i>Homotrema rubrum</i> (Lamarck)		O O O

SPONGES — Ana T. Bardales

Phylum Porifera — Sponges		
Class Demospongia		
Order Keratosa		
Family Spongiidae		
<i>Ircinia strobilina</i> (Lamarck)		O O O
<i>Ircinia felix</i> (Duchassaing and Michelotti)		O — —
<i>Aplysina lacunosa</i> (Lamarck)		O O —
<i>Aplysina fistularis</i> (Pallas) forma <i>fistularis</i> — Yellow-green candle sponge		O — —
<i>Aplysina fistularis</i> forma <i>fulva</i> (Pallas)		— — O
Order Haplosclerida		
Family Haliclونidae		
<i>Haliclona (Amphimedon) compressa</i> Duchassaing and Michelotti		O O —
<i>Haliclona (Reniera) aqueducts</i> Schmidt		O — —
<i>Niphates digitales</i> (Lamarck) forma <i>digitalis</i>		O — —
<i>Spinosella vaginalis</i> (Lamarck) forma <i>vaginalis</i>		— O —
<i>Spinosella plicifera</i> (Lamarck)		O — —
Family Nepheliospongiidae		
<i>Xetospongia muta</i> (Schmidt) — Barrel Sponge		O — —
<i>Cribochalina vasculum</i> (Lamarck)		— O O
<i>Siphonodictyon siphonum</i> (de Laubenfels)		O — —
Order Poecilosclerida		
Family Agelasidae		
<i>Agelas dispar</i> Duchassaing and Michelotti		O — O
<i>Agelas schmidt</i> Wilson		O O O
Family Tedaniidae		
<i>Ietrochota birotulata</i> (Higgin)		O O —
Family Mycalidae		
<i>Uloso hispida</i> Hechtel		O — O
<i>Neofibularia nolitangere</i> (Duchassaing and Michelotti)		O — O
<i>Mycale laevis</i> (Carter)		— — O
Order Axinellida		
Family Raspaliidea		
<i>Hemectyon ferox</i> (Duchassaing and Michelotti)		O O O
Order Hadromerida		
Family spirastrellidae		
<i>Anthosigmella varians</i> (Duchassaing and Michelotti)		O — O
Order Choristida		
Family Geodiidae		
<i>Erylus formosus</i> Sollas		— — O
<i>Geodia (Sidonops) neptuni</i> (Sollas)		— — O
Family Chondrillidea		
<i>Chondrilla nucula</i> Schmidt — Chicken-liver sponge		O — O

 HYDROZOANS (Hydroids and Hydrocorals) — Roy A. Armstrong

Class Hydrozoa		
Order Hydroidea-Hydroids		
Family Halocordylidae		
<i>Halocordyle disticha</i> (Gold fuss)		— — C
Family Sertulariidae		
<i>Sertularella speciosa</i> Congdon		— C C
<i>Cnidoscyphus marginatus</i> (Allman)		— — C
Order Milleporina — Fire Corals		
Family Milleporidae		
<i>Millepora alcicornis</i> Linnaeus		O O O
<i>Millepora complanata</i> Lamarck		— O —
<i>Millepora squarrosa</i> Lamarck		— O O
Order Stylasterina		
Family Stylasteridae		
<i>Stylaster roseus</i> (Pallas)		C — C
<hr/>		
Class Scyphozoa		
Order Semaestomae		
<i>Aurelia aurita</i> (Linnaeus) — Moon jelly		O O O
Order Cubomedusae — Sea Wasps		
<i>Carybdea</i> sp.		— — O

LIST OF ORGANISMS

 SOFT CORALS — Ana T. Bardales

Class Anthozoa		
Order Gorgonacea — Gorgonians and Seafans		
Family Briareidae		
<i>Briareum asbestinum</i> (Pallas)		— O —
Family Anthothelidae		
<i>Erythropodium caribaeorum</i> (Duchassaing and Michelotti)		O O O
Family Plexauridae		
<i>Plexaura homomalla</i> (Esper) forma <i>homomalla</i>		— O —
<i>Plexaura homomalla</i> (Esper) forma <i>Kukenthalii</i> Moser		— O —
<i>Plexaura nina</i> Bayer and Deichmann		— O —
<i>Plexaura flexuosa</i> Lamouroux		— O O
<i>Pseudoplexaura</i> sp.		O — —
<i>Eunicea laxispica</i> (Lamarck)		O O O
<i>Eunicea mammosa</i> Lamouroux		— O —
<i>Eunicea succinea</i> (Pallas) forma <i>plantaginea</i> (Lamarck)		— O —
<i>Eunicea laciniata</i> Duchassaing and Michelotti		— O —
<i>Eunicea tourneforti</i> Milne Edwards and Haime forma <i>tourneforti</i>		— O —
<i>Eunicea</i> sp. 1		O — O
<i>Eunicea</i> sp. 2		O — O
<i>Muriceopsis flavida</i> (Lamarck)		O O O
<i>Plexaurella dichotoma</i> (Esper)		O O —
<i>Plexaurella nutans</i> (Duchassaing and Michelotti)		O O —
<i>Muricea pinnata</i> sp.		O O —
<i>Muricea elongata</i> Lamouroux		— O —
Family Gorgoniidae		
<i>Pseudopterogorgia bipinnata</i> (Verrill)		— O O
<i>Pseudopterogorgia kallos</i> (Bielschowsky)		— O O
<i>Pseudopterogorgia acerosa</i> (Pallas)		— — O
<i>Pseudopterogorgia americana</i> (Gmelin)		O O O
<i>Gorgonia ventalina</i> Linnaeus — Sea fan		
<i>Pterogorgia citrina</i> (Esper)		— O —
<i>Pterogorgia guadalupensis</i> (Duchassaing and Michelotti)		— O —

ANEMONES — Ralf Boulon, Jr.

Order Actiniaria — Sea Anemones		
Family Aliciidae		
<i>Lebrunia coralligens</i> (Wilson)		— — 0
Family Aiptasiidae		
<i>Aiptasia tagetes</i> Duchassaing and Michelotti		— 0 —
<i>Heteractis lucida</i> Duchassaing and Michelotti		— 0 0
Family Actiniidae		
<i>Condylactis gigantea</i> (Weinland)		0 0 —
Family Sagartidae		
<i>Bartholomea annulata</i> (Lesueur)		0 — —
Family Phymanthidae		
<i>Phymanthus crucifer</i> (Lesueur)		— 0 —
Family Stoichactidae		
<i>Stoichactis helianthus</i> (Ellis)		— 0 0
Family Bunodactidae		
<i>Bundosoma granulifera</i> (Lesueur) — Warty anemone		— 0 —
Order Corallimorpharia — Coral-like Anemones		
Family Actinodiscidae		
<i>Rhodactis sanctithomae</i> (Duchassaing and Michelotti)		— 0 0
<i>Paradiscosoma neglecta</i> (Duchassaing and Michelotti)		0 — —
Family Corallimorphidae		
<i>Ricordea florida</i> (Duchassaing and Michelotti)		0 — 0
Unidentified sp. of Colin (1978)		0 — —
Order Zoantharia — Zooanthids		
<i>Zoanthus sociatus</i> Ellis		— — 0
<i>Palythoa caribbea</i> Duchassaing		0 — 0
<i>Parazoanthus swiftii</i> (Duchassaing and Michelotti)		— 0 —
<i>Parazoanthus parasiticus</i> (Duchassaing and Michelotti)		0 0 —

HARD CORALS — Roy A. Armstrong

Order Scleractinia — Hard Corals		
Family Astrocoeniidae		
<i>Stephanocoenia michelinii</i> Milne Edwards and Haime		0 0 0
Family Pocilloporidae		
<i>Madracis decactis</i> (Lyman)		0 0 0
<i>Madracis mirabilis</i> (Duchassaing and Michelotti)		0 — —
<i>Madracis formosa</i> Wells		— 0 —
Family Acroporidae		
<i>Acropora palmata</i> (Lamarck) — Elkhorn coral		— 0 0
<i>Acropora cervicornis</i> (Lamarck) — Staghorn coral		0 0 0
<i>Acropora prolifera</i> (Lamarck)		— 0 —
Family Agariciidae		
<i>Agaricia agaricites</i> (Linnaeus)		0 0 0
<i>Agaricia tenuifolia</i> Dana		— 0 —
<i>Agaricia lamarcki</i> Milne Edwards and Haime		— 0 —
<i>Agaricia fragilis</i> Dana		0 0 0
<i>Helioseris cucullata</i> (Ellis and Solander)		0 0 0
Family Siderastreidae		
<i>Siderastrea siderea</i> (Ellis and Solander)		0 0 0
<i>Siderastrea radians</i> (Pallas)		0 0 —
Family Poritidae		
<i>Porites astreoides</i> Lesuer		0 0 0
<i>Porites branneri</i> Rathbun		— 0 —
<i>Porites porites</i> (Pallas)		0 0 0
Family Faviidae		
<i>Favia fragum</i> (Esper)		— 0 —
<i>Diploria clivosa</i> (Ellis and Solander)		0 0 —
<i>Diploria labyrinthiformis</i> (Linnaeus) — Brain coral		0 0 0
<i>Diploria strigosa</i> Dana		0 0 0

<i>Manicina areolata</i> (Linnaeus) — Rose coral	O — —
<i>Colpophyllia natans</i> (Muller)	O O O
<i>Montastrea annularis</i> (Ellis and Solander) — Star coral	O O O
<i>Montastrea cavernosa</i> (Linnaeus)	O O O
Family Rhizangiidae	
<i>Astrangia solitaria</i> (Lesueur)	— O O
Family Meandrinidae	
<i>Meandrina meandrites</i> (Linnaeus)	O O O
<i>Dichocoenia stokesi</i> Milne Edwards and Haime	O O O
<i>Dichocoenia stellaris</i> Milne Edwards and Haime	O — O
<i>Dendrogyra cylindrus</i> Ehrenberg — Pillar coral	O O O
Family Mussidae	
<i>Mussa angulosa</i> (Pallas)	O O O
<i>Scolymia lacera</i> (Pallas) — Fleshy disc coral	— — O
<i>Scolymia cubensis</i> (Milne Edwards and Haime) — Smooth disc coral	O O O
<i>Isophyllia sinuosa</i> (Ellis and Solander)	O — O
<i>Isophyllastrea rigida</i> (Dana)	O O —
<i>Mycetophyllia lamarckiana</i> Milne Edwards and Haime	O O O
<i>Mycetophyllia danaana</i> Milne Edwards and Haime	O — —
<i>Mycetophyllia ferox</i> Wells	O O O
<i>Mycetophyllia aliciae</i> Wells	O O O
Family Caryophylliidae	
<i>Eusmilia fastigiata</i> (Pallas) — Flower coral	O O O
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Order Antipatharia — Black Corals	
<i>Antipathes pennacea</i> Pallas	O — O
<i>Antipathes</i> sp.	— — O
<i>Slichopathes lutkeni</i> Brook	O O O
Order Ceriantharia — Tube Dwelling Anemones	
Unidentified species	— O —
Phylum Ctenophora — Comb Jellies	
<i>Mnemiopsis</i> sp.	O O O
	O — O

POLYCHAETE WORMS — Lucy Bunkley Williams

Phylum Annelida — Worms	
Class Polychaeta — Polychaete Worms	
Family Sabellidae	
<i>Sabellastarte magnifica</i> (Shaw) — Feather-duster worm	O O O
Family Serpulidae	
<i>Spirobranchus giganteus</i> (Pallas) — Christmas tree worm	O O O
<i>Pomatostegus stellatus</i> (Abildgaard)	— — O
Family Terebellidae	
<i>Eupolyornia nebulosa</i> (Montagu)	O O O
Family Amphinomidae	
<i>Hermodice carunculata</i> (Pallas) — Fire worm	O — —
Family Syllidae	
<i>Syllis spongicola</i> Grube	O O O

CRUSTACEANS — Lucy Bunkley Williams

Phylum Arthropoda — Arthropods	
Class Crustacea — Crustaceans	
Order Mysidacea — Opossum Shrimp	
Family Mysidae	
<i>Mysidium</i> spp.	— — O
<i>Heteromysis actinae</i> Clark — Anemone mysid	O — —
Order Isopoda — Isopods	
Family Cymothoidae — Fish-parasitic Isopods	
<i>Anilocra haemuli</i> Williams and Williams — Grunt-grouper isopod	C C C
<i>Anilocra myripristis</i> Williams and Williams — Blackbar soldierfish isopod	C C C
<i>Anilocra acanthuri</i> Williams and Williams Surgeonfish isopod	C C C

<i>Anilocra chromis</i> Williams and Williams — Chromis isopod	C C C
<i>Anilocra holacanthi</i> Williams and Williams — Rockbeauty isopod	C C C
<i>Anilocra chaetodontis</i> Williams and Williams — Butterflyfish isopod	— C
<i>Renocila bowmani</i> Williams and Williams — Bowman's isopod	— C —
<i>Renocila colini</i> Williams and Williams — Cardinalfish isopod	— C —
<i>Renocila waldneri</i> Williams and Williams — Waldner's isopod	C — —
Family Excorallanidae	
<i>Excorallana tricornis</i> (Hansen)	— C —
Order Decapoda	
Family Paleomonidae	
<i>Periclimenes pedersoni</i> Chase-Pederson's cleaning shrimp	— O O
<i>Periclimenes yucatanicus</i> (Ives)	O O —
Family Rhynchocinetidae	
<i>Rhynchocinetes rigens</i> Gordon — Red coral shrimp	O — —
Family Stenopodidae	
<i>Stenopus hispidus</i> (Oliver) — Red-banded coral shrimp	O O O
<i>Stenopus scutellatus</i> Rankin	— — O
Family Hippolytidae	
<i>Lysmata grabhami</i> (Gordon) — Red-backed cleaning shrimp	— — O
<i>Lysmata wurdmani</i> (Gibbes)	O — —
<i>Thor ambionensis</i> (DeMan)	— O O
Family Alpheidae	
<i>Alpheus armatus</i> Rathbun	— O —
Family Gnathophyllidae	
<i>Gnathophyllum americanum</i>	O — —
Family Palinuridae	
<i>Panulirus argus</i> (Latreille) — Spiny lobster	O O O
<i>Panulirus guttatus</i> (Latreille) — Spotted spiny lobster	— — O
Family Diogeniidae	
<i>Petrochirus diogenes</i> (Linnaeus) — Conch hermit crab	O O —
Family Albaneidae	
<i>Lepidopa</i> sp.	— C —
Family Cancridae	
<i>Carpilius corallinus</i> (Herbst) — Coral crab	O — —
Family Majidae	
<i>Stenorhynchus seticornis</i> (Herbst) Arrow crab	O O O

MOLLUSKS — Cecilio Díaz Carela

Phylum Mollusca — Mollusk

Class Gastropoda

Order Archaeogastropoda

Family Fissurellidae

Diodra sp.

C — —

Family Trochidae

Calliostoma jujubinum (Gmelin) — Chocolate-fined top shell

— C —

Tegula fasciata (Born) — Smooth Atlantic tegula

— C —

Family Turbinidae

Astraea phoebia Roding — Long-spined star shell

— C —

Astraea tecta tecta (Lightfoot) — Imbricated star shell

— C —

Astraea caelata (Gmelin) — Carved star shell

— C —

Order Mesogastropoda

Family Modulidae

Modulus modulus (Linné) — Atlantic—Atlantic modulus

— C —

Family Cerithiidae

Cerithium literatum (Born) — Stocky cerith

C C C

Cerithium eburneum Bruguiere — Ivory cerith

C — —

Family Strombidae

Strombus gigas Linné — Queen conch

— C —

Strombus costatus Gmelin — Milk conch

— C —

Family Cypraeidae

Cypraea zebra Linné — Measled cowry

— C —

Cypraea cinerea Gmelin — Atlantic grey cowry

— C C

Cypraea sp.

C — C

Family Ovulidae	
<i>Cyphoma gibbosum</i> (Linné) — Flamingo tongue	— C C
Family Naticidae	
<i>Polinices</i> sp.	— — C
Family Cymatiidae	
<i>Cymatium moritinctum caribbaeum</i> Clench and Turner	— C —
Family Bursidae	
<i>Bursa thomae</i> (Orbigny)— St. Thomas frog shell	— — C
Order Neogastropoda	
Family Muricidae	
<i>Thais deltoidea</i> (Lamarck) — Deltoid rock shell	— C —
Family Coralliophilidae	
<i>Coralliophila abbreviata</i> (Lamarck) — Short coral shell	C C C
<i>Coralliophila caribaea</i> Abbot — Caribbean coral shell	— — C
<i>Coralliophila aberrans</i> (C. B. Adams) — Globular coral shell	— — C
Family Columbelloidae	
<i>Columbella mercatoria</i> (Linné) — Common dove shell	C C C
Family Buccinidae	
<i>Pisania auritula</i> (Link)	— C —
Family Fasciolaridae	
<i>Fasciolaria tulipa</i> Linné	— — O
<i>Leucozonia nassa</i> (Gmelin) — Chestnut latirus	C C C
<i>Leucozonia ocellata</i> (Gmelin) — White-spotted latirus	— C —
Family Conidae	
<i>Conus mus</i> Hwass — Mus cone	C — C
<i>Conus juliae</i> Clench — Julia's cone	C — —
Order Sacoglossa	
Family Plakobrachidae	
<i>Tridachia crispata</i> (Morch)	C — —
Order Nudibranchia	
Family Phyllidiidae	
<i>Phyllidiopsis papilligera</i> Bergh	— C C
Class Bivalvia	
Order Arcoida	
Family Arcidae	
<i>Arca</i> sp.	— — C
<i>Barbatia cancellaria</i> (Lamarck)	— C —
Family Glycymerididae	
<i>Glycymeris decussata</i> (Linne) — Decussate bittersweet	C — —
Order Mytiloida	
Family Pinnidae	
<i>Pinna carnea</i> Gmelin — Amber pen shell	C — —
Order Pteroida	
Family Isognomonidae	
<i>Isognomon radiatus</i> (Anton) — Lister's tree oyster	— C —
Family Pectinidae	
<i>Chlamys ornata</i> (Lamarck) — Ornate scallop	— C —
<i>Chlamys imbricata</i> (Gmelin) — Little knobby scallop	— C C
<i>Chlamys</i> sp.	— C —
Family Limidae	
<i>Lima Lima Lima lima</i> (Linné) — Spiny lima	— C C
<i>Lima scabra</i> (Born) — Rough lima	C C C
Family Ostreidae	
<i>Lipha frons</i> (Linné) — Coon oyster	— C —
<i>Ostrea</i> sp.	C — —
Order Veneroida	
Family Lucinidae	
<i>Codakia</i> sp.	— — C
Family Cariidae	
<i>Trachycardium muricatum</i> (Linné) — — Yellow cockle	C — —
<i>Trachycardium magnum magnum</i> (Linné)— Magnum cockle	C — C
Family Tellinidae	
<i>Tellina fausta</i> Pulteney — Faust tellin	— C C

Family Veneridae			
<i>Ventricolaria rigida</i> (Dillwyn) — Rigid venus			— — C
<i>Chione cancellata</i> (Linné) — Cross-barred venus			— C —
Family Gastrochaenidae			
<i>Gastrochaena hians</i> (Gmelin)			C — —
Class Cephalopoda			
Family Loliginidae			
<i>Sepioteuthis sepioidea</i> (Blainville) — Reef squid			O — —
Family Octopodidae			
<i>Octopus briareus</i> Robson — Reef octopus			O — —

ECHINODERMS — Jorge R. Garcia

Phylum Echinodermata			
Class Crinoidea — Crinoids			
Order Articulate			
Family Comasteridae			
<i>Nemaster rubiginosa</i> Pourtalés			C C C
<i>Nemaster discoidea</i> Carpenter			C — C
Class Ophiuroidea — Brittlestars and Basket starfish			
Order Phrynorphiurida			
Family Gorgonocephalidae			
<i>Astrophyton muricatum</i> Lamarck — Basket starfish			— C —
Order Laemophiurida			
Family Ophiotrichidae			
<i>Ophiotrix suensoni</i> Lutken			C C C
Family Ophiodermatidae			
<i>Ophioderma rubicunda</i> Lutken			— C C
Family Ophiolepidae			
<i>Ophiozona impressa</i> Lutken			— — C
Class Echinoidea — Sea Urchins, Sand Dollars, Heart Urchins			
Order Cidaroida			
Family Cidaridae			
<i>Euclidaris tribuloides</i> Lamarck			— C C
Family Echinometridae			
<i>Echinometra lucunter</i> Linnaeus — Rockboring sea urchin			— C C
<i>Echinometra viridis</i> Agassiz			C — —
<i>Diadema antillarum</i> Phillipi — Longspine sea urchin			O O O
Class Holothuroidea — Sea Cucumbers			
Order Aspidochirota			
Family Holothuriidae			
<i>Astichopus multifidus</i> Sluiter			O — —
<i>Holothuria mexicana</i> Ludwig			— — O

FISHES* — Ileana Clavijo, Joseph J. Kimmel and Patrick L. Colin

Phylum Chordata			
Class Chondrichthyes — Cartilaginous Fishes			
Order Squaliformes			
Family Orectolobidae — Carpet Sharks			
<i>Ginglymostoma cirratum</i> (Bonaterre) — Nurse shark			— O —
Family Carcharhinidae — Requiem Sharks			
<i>Carcharhinus limbajus</i> (Valenciennes) — Blacktip shark			— O —
Order Rajiformes			
Family Dasyatidae — Stingrays			
<i>Dasyatis americana</i> Hildebrand and Schroeder — Southern stingray			O — —
<i>Urolophus jamaicensis</i> (Cuvier) — Yellow stingray			O O —
Family Myliobatidae — Eagle Rays			
<i>Aetobatus narinari</i> (Euphrasen) — Spotted eagle ray			— — O
Class Osteichthyes — Bony Fishes			
Order Anguilliformes			

Family Moringuidae — Spaghetti Eels	
<i>Moringua edwardsi</i> (Jordan and Bellman) — Spaghetti eel	O — O
Family Muraenidae — Morays	
<i>Gymnothorax funebris</i> Ranzani — Green moray	O — —
<i>Gymnothorax moringa</i> (Cuvier) — Spotted moray	O O O
<i>Muraena miliaris</i> (Kaup) — Goldentail moray	— — O
Family Congridae — Conger Eels	
<i>Nystactichthys hails</i> (Bohlke) — Garden eel	— O —
Family Ophichthidae — Snake Eels	
<i>Myrichthys acuminatus</i> (Gronow) — Sharptail eel	— O —
<i>Myrinchthys ocu/atus</i> (Kaup) — Goldspotted eel	O O —
Order Clupeiformes	
Family Clupeidae — Harrings	
<i>Jenkinsia</i> sp.	— — O
Order Myctophiformes	
Family Synodontidae — Lizardsfishes	
<i>Synodus intermedius</i> (Agassiz) — Sand river	O — —
Family Myctophidae — Lanterfishes	
<i>Diaphus nitiduium</i> Gaman	C C C
Order Gobiesociformes	
Family Gobiesocidae — Clingfishes	
<i>Arcos rubiginosus</i> (Poey) — Red clingfish	— C —
Order Ateriniformes	
Family Exocoetidae — Flyingfishes and Halfbeaks	
Unidentified flyingfish	O — O
Family Belonidae — Needlefish	
<i>Strongylura notata</i> (Poey) — Redfin needlefish	O O O
<i>Tylosurus crocodiles</i> (Peron and Lesueur) — Houndfish	O O O
Order Beryciformes	
Family Holocentridae — Squirrelfishes	
<i>Holocentrus ascensionis</i> (Osbeck) — Squirrelfish	O O O
<i>Holocentrus coruscus</i> (Poey) — Reef squirrelfish	O O O
<i>Holocentrus (Flammeo) marianus</i> (Cuvier) — Longjaw squirrelfish	O — O
<i>Holocentrus rufus</i> (Walbaum) — Longspine squirrelfish	O O O
<i>Holocentrus vexillarius</i> (Poey) — Dusky squirrelfish	O — O
<i>Myripristis jacobus</i> Cuvier — Blackbar soldierfish	C O O
Order Gasterosteiformes	
Family Aulostomidae — Trumpetfish	
<i>Aulostomus maculatus</i> Valenciennes — Trumpetfish	O O O
Order Perciformes	
Family Serranidae — Sea Basses	
<i>Epinephelus cruentatum</i> (Lacepede) — Graysby	O O O
<i>Epinephelus fulva</i> (Linnaeus) — Coney	O O O
<i>Epinephelus guttatus</i> (Linnaeus) — Red hind	O O O
<i>Epinephelus striatus</i> (Bloch) — Nassau grouper	— C O
<i>Hypoplectrus aberrans</i> Poey — Yellowbelly hamlet	O — O
<i>Hypoplectrus gummigatta</i> (Poey) — Golden hamlet	— O C
<i>Hypoplectrus nigricans</i> (Poey) — Black hamlet	O O O
<i>Hypoplectrus puella</i> (Cuvier) — Barred hamlet	O O O
<i>Hypoplectrus unicolor</i> (Walbaum) — Butter hamlet	O O O
<i>Liopropoma mowbrayi</i> Woods and Kanazawa — Cave bass	O — —
<i>Liopropoma rubre</i> Poey — Peppermint bass	O O O
<i>Mycteroperca bonaci</i> (Poey) — Black grouper	— O —
<i>Mycteroperca tigris</i> (Valenciennes) — Tiger grouper	O — O
<i>Mycteroperca venenosa</i> (Linnaeus) — Yellowfin grouper	O — —
<i>Paranthias furcifer</i> (Valenciennes) — Creole fish	O O O
<i>Serranus baldwini</i> (Evermann and Marsh) — Lantern bass	— — O
<i>Serranus tabacarius</i> (Cuvier) — Tobaccophil	O O O
<i>Serranus tigrinus</i> (Bloch) — Harlequin bass	C C O
<i>Serranus tortugarum</i> Longley — Chak bass	— — C
Family Grammididae — Fairy Basslets	
<i>Gramma loreto</i> Poey — Fairy basslet	O O O

Family Grammistidae — Soapfishes	
<i>Pseudogramma gregoryi</i> (Breder) — Reef bass	— C —
<i>Rypticus saponaceus</i> (Schneider) — Greater soapfish	C O O
<i>Rypticus subbifrenatus</i> (Gill) — Spotted soapfish	— O —
Family Priacanthidae — Bigeyes	
<i>Priacanthus cruentatus</i> (Lacépede) — Glasseye snapper	O — —
Family Apogonidae — Cardinalfishes	
<i>Apogon binotatus</i> (Poey) — Barred cardinalfish	O O O
<i>Apogon lachneri</i> Böhlke — Whitestar cardinalfish	O — —
<i>Apogon maculatus</i> (Poey) — Flamefish	— C O
<i>Phaeoptyx pigmentaria</i> (Poey) — Dusky cardinalfish	O — —
Family Malacanthidae — Tilefishes	
<i>Malacanthus plumeri</i> (Bloch) — Sand tilefish	O O O
Family Carangidae — Jacks and Pompanos	
<i>Caranx crysos</i> (Mitchill) — Blue runner	O O O
<i>Caranx ruber</i> (Bloch) — Barjack	O O O
<i>Decapterus</i> sp. — Scads	O — —
<i>Seriola dumerili</i> (Risso) — Greater amberjack	— O —
Family Inermiidae — Bonnetmouths	
<i>Inermia vittata</i> Poey — Boga	O O O
Family Lutjanidae — Snappers	
<i>Lutjanus apodus</i> (Walbaum) — Schoolmaster	O O O
<i>Lutjanus jocu</i> (Bloch and Schneider) — Dog snapper	— — O
<i>Lutjanus mahogoni</i> (Cuvier) — Mahogany snapper	O O O
<i>Ocyurus chrysurus</i> (Bloch) — Yellowtail snapper	O O O
Family Gerreidae — Mojorras	
<i>Eucinostomus</i> sp.	— — O
Family Haemulidae — Grunts	
<i>Anisotremus surinamensis</i> (Bloch) — Black margate	O — —
<i>Anisorremus virginicus</i> (Linnaeus) — Porkfish	O O O
<i>Haemulon chrysargyreum</i> Gunther — Smallmouth grunt	— O O
<i>Haemulon flavolineatum</i> (Demarest) — French grunt	O O O
<i>Haemulon macrostomum</i> Gunther — Spanish grunt	O — O
<i>Haemulon plumieri</i> (Lacépede) — White grunt	— O —
<i>Haemulon sciurus</i> (Shaw) — Bluestriped grunt	O O O
Family Sparidae — Porgies	
<i>Calamus</i> sp.	O O O
Family Sciaenidae — Drums	
<i>Equetus acuminatus</i> (Bloch and Schneider) — High-hat	O O —
<i>Equetus punctatus</i> (Bloch and Schneider) — Spotted drum	O — O
<i>Odontoscion dentex</i> (Cuvier) — Reef croaker	— O O
Family Mullidae — Goatfishes	
<i>Mulloidichthys martinicus</i> (Cuvier) — Yellow goatfish	O O O
<i>Pseudupeneus maculatus</i> (Bloch) Spotted goatfish	O O O
Family Pempheridae — Sweepers	
<i>Pempheris schomburgki</i> Muller and Troschel — Glassy sweeper	— O O
Family Kyphosidae — Sea Chubs	
<i>Kyphosus sectatrix</i> (Linnaeus) — Bermuda chub	— — O
Family Ehippidae — Spadefishes	
<i>Chaetodipterus faber</i> (Broussonet) — Atlantic spadefish	— — O
Family Chaetodontidae — Butterfly fishes	
<i>Centropyge argi</i> Woods and Kanazawa — Cherubfish	C C —
<i>Chaetodon aculeatus</i> (Poey) — Longsnout butterflyfish	C — O
<i>Chaetodon capistratus</i> Linnaeus — Foureye butterfly fish	— O O
<i>Chaetodon ocellatus</i> Bloch — Spotfin butterflyfish	— — O
<i>Chaetodon sedentarius</i> Poey — Reef butterflyfish	— O —
<i>Chaetodon striatus</i> Linnaeus — Banded butterflyfish	— O O
Family Pomacanthidae — Angelfishes	
<i>Holacanthus bermudensis</i> Goode — Blue angelfish	— — O
<i>Holacanthus ciliaris</i> (Linnaeus) — Queen angelfish	— — O
<i>Holacanthus tricolor</i> (Bloch) — Rock beauty	O C O
<i>Pomacanthus arcuatus</i> (Linnaeus) — Gray angelfish	O — —
<i>Pomacanthus paru</i> (Bloch) — French angelfish	O O O

Family Pomacentridae — Damselishes	
<i>Abudefduf saxatilis</i> (Linnaeus) — Sergeant major	0 0 0
<i>Chromis cyanea</i> (Poey) — Blue chromis	0 0 0
<i>Chromis insolata</i> (Cuvier) — Sunshinefish	0 - -
<i>Chromis multilineata</i> (Guichenot) — Brown chromis	0 0 0
<i>Chromis scotti</i> Emery — Purple reefish	- 0 -
<i>Microspathodon chrysurus</i> (Cuvier) — Yellowtail damselfish	0 0 0
<i>Pomacentrus dorsopunicans</i> (Poey) — Dusky damselfish	0 - 0
<i>Pomacentrus leucostictus</i> Muller and Troschel — Beaugregory	0 - 0
<i>Pomacentrus partitus</i> Poey — Bicolor damselfish	0 0 0
<i>Pomacentrus planifrons</i> Cuvier — Threespot damselfish	0 0 0
<i>Pomacentrus variabilis</i> (Castalnu) — Cocoa damselfish	0 0 0
Family Cirrhitidae — Hawkfishes	
<i>Amblycirrhitus pinos</i> (Mowbray) — Redspotted hawkfish	0 0 0
Family Labridae — Wrasses	
<i>Bodianus rufus</i> (Linnaeus) — Spanish hogfish	0 0 0
<i>Clepticus parrai</i> (Block and Schneider) — Creole wrasse	0 0 0
<i>Halichoeres bivittatus</i> (Block) — Slippery dick	- 0 -
<i>Halichoeres garnoti</i> (Valenciennes) — Yellowhead wrasse	0 0 0
<i>Halichoeres maculipinna</i> (Müller and Troschel) — Clown wrasse	- 0 -
<i>Halichoeres pictus</i> (Poey) — Rainbow wrasse	0 0 0
<i>Halichoeres radiatus</i> (Linnaeus) — Puddingwife	- 0 0
<i>Hemipteronotus</i> spp. — Razorfish	- 0 -
<i>Thalassoma bifasciatum</i> (Bloch) — Bluehead	0 0 0
Family Scaridae — Parrotfishes	
<i>Scarus croicensis</i> Bloch — Striped parrotfish	0 0 0
<i>Scarus taeniopterus</i> Dasmarest — Princess parrotfish	0 0 0
<i>Scarus vetula</i> Schneider — Queen Parrotfish	0 0 0
<i>Sparisoma atomarium</i> (Poey) — Greenblotch parrotfish	- 0 0
<i>Sparisoma aurofrenatum</i> (Valenciennes) — Redband parrotfish	0 0 0
<i>Sparisoma chrysopterus</i> (Bloch and Schneider) — Redtail parrotfish	- 0 0
<i>Sparisoma rubripinne</i> (Valenciennes) — Redfin parrotfish	- 0 0
<i>Sparisoma viride</i> (Bonaterre) — Spotlight parrotfish	0 0 0
Family Sphyrnidae — Barracudas	
<i>Sphyrna barracuda</i> (Walbaum) — Great barracuda	- 0 0
<i>Sphyrna picudilla</i> Poey — Southern sennet	0 - 0
Family Opistognathidae — Jawfishes	
<i>Opistognathus aurifrons</i> (Jordan and Thompson) — Yellowhead jawfish	0 - 0
Family Clinidae — Clinids	
<i>Acanthemblemaria</i> sp. — Spiney headed blennies	0 - -
<i>Emblemaria pandionis</i> Evermann and Marsh — Sailfish blenny	0 - -
<i>Emblemaria piratula</i> Ginsburg and Reid — Pirate blenny	0 - -
<i>Labrisomus filamentosa</i> Springer	0 - -
<i>Malacoctenus triangulatus</i> Springer — Saddle blenny	- - 0
Family Blenniidae — Combtooth Blennis	
<i>Ophioblennius atlanticus</i> (Valenciennes) — Redlip blenny	- - 0
Family Callionymidae — Dragonets	
<i>Callionymus</i> sp.	- - 0
Family Gobiidae — Gobies	
<i>Coryphopterus glaucofraenum</i> Gill — Bridled goby	0 0 0
<i>Coryphopterus lipernes</i> Böhlke and Robins — Peppermint goby	0 - -
<i>Coryphopterus personatus</i> (Jordan and Thompson) — Masked goby	0 0 0
<i>Evermannichthys metzelaari</i> Hubbs — Roughtail goby	0 - -
<i>Gnatholepis thompsoni</i> Jordan — Goldspot goby	0 0 0
<i>Gobiosoma chancei</i> Beebe and Hollister — Shortstripe goby	- C -
<i>Gobiosoma dilepis</i> (Robins and Böhlke) — Orangeside goby	0 - -
<i>Gobiosoma evelynae</i> Böhlke and Robins — Sharknose goby	C C C
<i>Gobiosoma horsti</i> Metzelaar — Yellowline goby	0 0 0
<i>Gobiosoma multifasciatum</i> Steindachner — Greenband goby	- - 0
<i>Gobiosoma saucrum</i> (Robins)	0 - -
<i>Gobiosoma tenox</i> Böhlke and Robins — Slaty goby	0 - -
<i>Gobiosoma xanthiprora</i> Böhlke and Robins — Yellowprow goby	0 0 0
<i>Ioglossus helenae</i> Randall — Hovering goby	0 - 0
<i>Lythrypnus spilus</i> Böhlke and Robins — Bluegold goby	0 - -

<i>Palatogobius paradoxus</i> Gilbert	-- O
<i>Pariah scotius</i> Böhlke	O --
<i>Risor ruber</i> (Rosen) — Tusked goby	O --
Family Acanthuridae — Surgeonfishes	
<i>Acanthurus bahianus</i> Castelnau — Ocean surgeon	OOO
<i>Acanthurus chirurgus</i> (Bloch) — Doctorfish	OOO
<i>Acanthurus coeruleus</i> Schneider — Blue tang	OOO
Family Scombridae — Mackerels and Tunas	
<i>Scomberomorus regalis</i> (Bloch) — Cero	O – O
Family Dactylopteridae — Flying Gurnards	
<i>Dactylopterus volitans</i> (Linnaeus) — Flying gurnard	O – O
Order Pleuronectiformes	
Family Bothidae — Lefteye Flounders	
<i>Bothus lunatus</i> (Linnaeus) — Peacock Flounder	OOO
Family Cynoglossidae — Tonguefishes	
<i>Symphurus</i> sp.	O O –
Order Tetraodontiformes	
Family Balistidae — Leatherjackets	
<i>Aluterus schoepfi</i> (Walbaum) — Orange filefish	O --
<i>Balistes vetula</i> Linnaeus — Queen triggerfish	– O –
<i>Cantherhines pullus</i> (Ranzani) — Orangespotted filefish	OOO
<i>Canthidermis sufflamen</i> (Mitchill) — Ocean triggerfish	O --
<i>Melichthys niger</i> (Bloch) — Black durgon	OOO
<i>Monocanthus ciliatus</i> (Mitchill) — Fringed filefish	O --
<i>Xanthichthys ringens</i> (Linnaeus) — Sargassum triggerfish	O --
Family Ostraciidae — Boxfishes	
<i>Lactophrys bicaudalis</i> (Linnaeus) — Spotted trunkfish	O --
<i>Lactophrys polygona</i> (Poey) — Honeycomb cowfish	OOO
<i>Lactophrys triqueter</i> (Linnaeus) — Smooth trunkfish	OOO
Family Tetraodontidae — Puffers	
<i>Canthigaster rostrata</i> (Bloch) — Sharpnose puffer	OOO
<i>Sphoeroides</i> sp.	O --
Family Diodontidae — Porcupinefishes	
<i>Chilomycterus antillarum</i> Jordan and Rutter — Web burrfish	O O –
<i>Diodon holocanthus</i> Linnaeus — Balloonfish	– O –
<i>Diodon hystrix</i> Linnaeus — Porcupinefish	– O O

DISCUSSION

From the materials noted in the checklist, nine species of external parasitic isopods (Williams and Williams, 1980, 1981) have been described as new and three species of algae are being described as new species. Lymphocystis disease was reported for the first time on Caribbean fishes (Williams, Williams, and Grizzel, 1981) and the genus *Renocila* (Isopoda Cymothoidae) was reported for the first time from the New World (Williams and Williams, 1980). A large number of species in the checklist have not been noted previously to occur in the Dominican Republic, but are known to occur commonly throughout much of the Caribbean.

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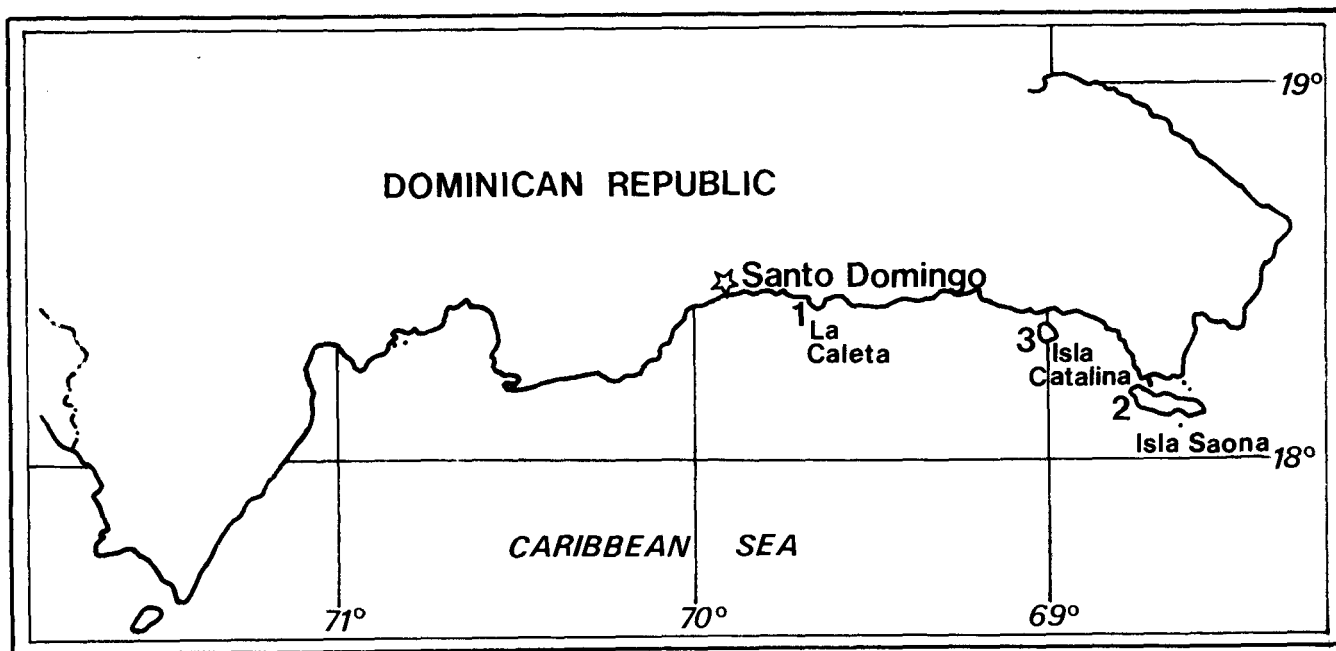


FIG. 1.—South coast of the Dominican Republic. Numerals indicate study areas: (1) La Caleta, (2) Isla Saona, and (3) Isla Catalina.

