



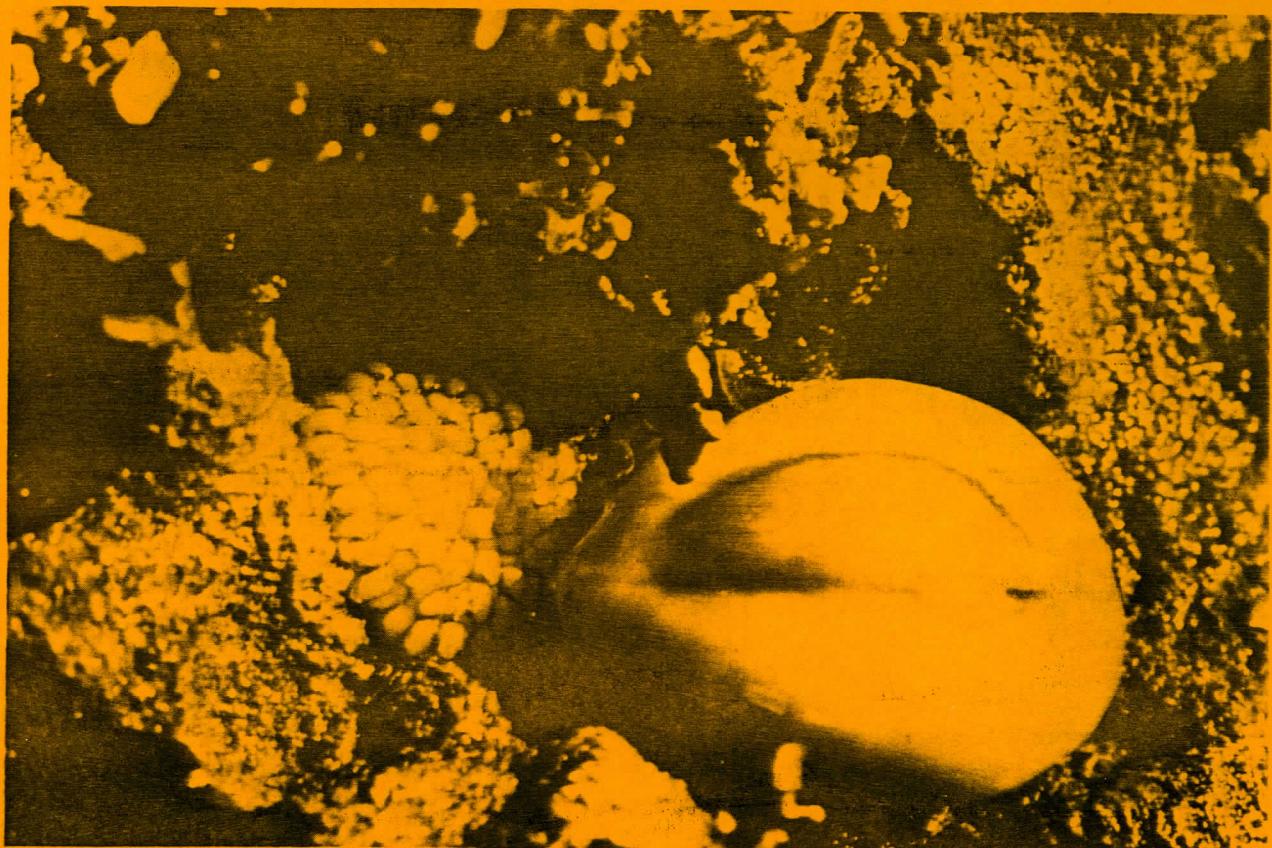
FIFTH INTERNATIONAL CORAL REEF CONGRESS
TAHITI 1985

FRENCH POLYNESIAN CORAL REEFS
REEF KNOWLEDGE AND FIELD GUIDES

FAUNA AND FLORA

A FIRST COMPENDIUM OF FRENCH POLYNESIAN
SEA-DWELLERS

G. RICHARD



MUSÉUM NATIONAL D'HISTOIRE NATURELLE
ÉCOLE PRATIQUE DES HAUTES ÉTUDES
ANTENNE DE TAHITI

ALGAE

Claude E. PAYRI

Laboratoire de Biologie et Malacologie
Ecole Pratique des Hautes Etudes
55, rue de Buffon - 75005 PARIS

and

Alexandre MEINESZ

Laboratoire de Biologie et d'Ecologie Marines
Groupe de recherches Marines
Université de Nice, Parc Valrose - 06034 Nice

INTRODUCTION

It was during long expeditions of exploration at the end of the eighteenth century that the first algae of French Polynesia were sampled. However, the study of the sampled specimens only started in the nineteenth century. The first record of marine Algae from French Polynesia was made by Bory de Saint Vincent (1827) from the "Voyage autour du monde sur la Coquille (1822-1829)", succeeded by Montagne (1842, 1845) from the "Voyage au Pole Sud et dans l'Océanie sur les corvettes l'Astrolabe et la Zélée". Harvey and Bailey (1851) and Bailey and Harvey (1862) from the United States Exploring Expedition (1838-1842) and Grunow (1868-1867, 1873-1874) from the "Reiser seiner majestät der Österreichischen Fregate Novara". After other scientific explorations (Challenger, Siboga etc..) isolated references to Polynesian Algae appeared in general works or monographs, such as J. Agardh (1887-1888), Barton (1891, 1901), Weber van Bosse (1898, 1910), Foslie (1906, 1929), Brand (1911a, 1911b), Gepp and Gepp (1911) and Grunow (1915, 1916).

The most important landmark was the publication of the "Tahitian Algae" by Setchell (1926a). This work, entirely dedicated to the algae of the region of Tahiti Island, includes an enumeration of 201 different taxa of marine and fresh water Algae (50 Cyanophyta, 63 Chlorophyta, 29 Phaeophyta and 59 Rhodophyta).

Between 1930 and 1960 only a few works (6) were published with references to algae sampled in French Polynesia.

Since 1960, and with the creation of a field Laboratory at Moorea ("Antenne du Muséum d'Histoire Naturelle - Ecole pratique des Hautes Etudes"), thirty seven contributions reported the presence of Algae in many islands of French Polynesia.

The floristic and bibliographic list presented here takes into account all the papers concerning the Polynesian algae. Inspired from Tsuda and Wray (1977), dealing with the Micronesian marine Algae, we presents our work in four parts.

In the first part (Classification of Polynesian Algae), we give the list of the classes, orders, families and genera existing in French Polynesia.

The second part (Species index) provides an alphabetical checklist of all the taxa (genera, species, varieties and forms) reported from published papers until December 1984. Species reported in technical reports or other unpublished reports are not included. Each taxa is followed by the references of all the authors mentioning it in Polynesia, as well as the

name of the island it comes from. Some names of genus or species have been updated in recent studies in taxonomy. All the synonyms are enclosed in brackets and follow the taxa they are related to. We also mentioned algae only cited by their genus name. This information, though incomplete, is of some interest concerning the distribution of the genus throughout the islands. All the species described for the first time in French Polynesia (type locality), are pointed out by an asterisk.

The third part (Island reference index) provides an alphabetical list of all the islands or atolls where algae have been reported, followed by the authors references.

The fourth part (references) provides all the references to the marine benthic Algae of French Polynesia.

Our catalogue lists 346 different identified species of Algae (111 Cyanophyceae, 86 Chlorophyceae, 44 Phaeophyceae, 105 Rhodophyceae). We know that our list reports some doubtful identifications and that the assignment of some taxa to the Polynesian area may also be doubtful. For the Cyanophyta, we have listed all the taxa referred to French Polynesia, including with the marine species some sublittoral, brackish or fresh water species, the precise limit of the ecology of these algae seems undefined to us. The list of species of some orders related in French Polynesia (particular in the Rhodophyceae) is far from representing all the species we can find in this area. Further field study and examination of collections will be necessary to improve and complete the catalogue of the marine Benthic Algae of French Polynesia. We would greatly appreciate it however, if readers would draw our attention to any references we may have missed, to any taxonomic changes and to any new work on this area.

1 CLASSIFICATION OF POLYNESIAN ALGAE

Division CYANOPHYTA (Blue-green Algae)

Class Cyanophyceae

Order Chroococcales

Family Chamaesiphonaceae: Entophysalis .

Family Chroococcaceae: Anacystis , Chlorogloea ,
Chroococcus , Coccochloris .

Order Oscillatoriiales

Family Oscillatoriaceae: Hydrocoleum , Lyngbya ,
Microcoleus , Oscillatoria , Phormidium ,
Plectonema , Porphyrosiphon , Schizothrix ,
Spirulina , Symploca .

Family Nostocaceae: Anabaena , Cylindrospermum ,
Nostoc , Nodularia .

Family Rivulariaceae: Brachytrichia , Calothrix ,
Dichothrix , Rivularia .

Family Scytonemataceae: Scytonema , Tolypotrix .

Family Stygonemataceae: Fischerella , Hapalosiphon ,
Mastigocoleus .

Division CHLOROPHYTA (green Algae)

Class Chlorophyceae

Order Tetrasporales

Family Palmellaceae : Palmogloea .

Order Ulothrichales

Family Chaetophoraceae: Endoderma , Pseudulvella .

Stigeoclonium ,
Family Gomontiaceae: Gomontia .
Family Ulvaceae: Enteromorpha , Ulva .
Order Cladophorales
Family Anadyomenaceae: Microdictyon .
Family Cladophoraceae: Chaetomorpha , Cladophora ,
Rhyzoclonium .
Order Siphonocladales
Family Boodleaceae: Boodlea , Struvea .
Family Siphonocladaceae: Cladophoropsis .
Family Valoniaceae: Boergesenia , Dictyosphaeria ,
Valonia , Valoniopsis .
Order Dasycladales
Family Dasycladaceae: Acetabularia . Bornetella ,
Neomeris .
Order Siphonales
Family Bryopsidaceae: Bryopsis , Derbesia ,
Trichosolen .
Family Codiaceae: Codium .
Family Phyllosiphonaceae: Oestrobium .
Order Caulerpales
Family Udoteaceae: Avrainvillea , Chlorodesmis ,
Halimeda . Rhipilia . Rhipiliopsis . Udotea .
Family Caulerpaceae: Caulerpa .

Division PHAEOPHYTA (brown Algae)

Class Phaeophyceae

Order Ectocarpales
Family Ectocarpaceae: Ectocarpus , Feldmannia ,
Giffordia .
Family Ralfsiaceae: Ralfsia .

Order Sphacelariales
Family Sphacelariaceae: Sphacelaria .

Order Dictyotales
Family Dictyotaceae: Dictyopteris , Dictyota ,
Lobophora . Padina , Zonaria .

Order Scytoniphonales
Family Scytoniphonaceae: Colpomenia , Hydroclathrus ,
Rosenvengia .

Order Dictyosiphonales
Family Chnoosporaceae: Chnoospora .

Order Cutleriales
Family Cutleriaceae: Aglaozonia .

Order Laminariales
Family Laminariaceae: Lessonia . Macrocystis .

Order Durvillaeales
Family Durvillaeaceae: Durvillaea .

Order Fucales
Family Sargassaceae: Sargassum , Turbinaria .
Family Cystoseiraceae: Hormophysa .

Division RHODOPHYTA (red Algae)

Class Florideophyceae

Order Nemaliales

- Family Acrochaetiaceae: Acrochaetium .
 Family Chaetangiaceae: Actinotrichia , Galaxaura .
 Family Helmintocladiaceae: Liagora .
 Order Gelidiales
 Family Gelidiaceae: Gelidiella , Gelidiopsis .
 Gelidium , Pterocladia , Wurdemannia .
 Order Bonnemaisoniales
 Family Bonnemaisoniaceae: Asparagopsis
 (and " Falkenbergia " stadio).
 Order Cryptonemiales
 Family Crytonemiaceae: Carpopeltis
 Family Corallinaceae: Archaeolithothamnon , Amphiroa .
 Cheilosporum , Choreonema , Corallina .
 Dermatolithon ; Fosliella . Goniolithon ,
 Jania , Litholepis , Lithophyllum ,
 Lithoporella , Lithothamnion , Mastophora ,
 Neogoniolithon , Porolithon .
 Family Dumontiaceae: Gibsmithia , Chondrococcus .
 Family Peyssonneliaceae: Chevaliericrusta , Cruoriella ,
 Cruoriopsis , Peyssonnelia .
 Order Gigartinales
 Family Gigartinaceae: Iridaea .
 Family Gracilariaeae: Gracilaria , Tylotus .
 Family Rhabdoniaceae: Rhabdonia .
 Family Hypnaceae: Hypnea .
 Order Rhodymeniales
 Family Champiaceae: Champia .
 Family Rhodymeniaceae: Botryocladia , Caelothrix ,
 Leptofauchea . Marielta .
 Order Ceramiales
 Family Ceramiaceae: Centroceras ,
 Ceramiella , Ceramium , Ceramothamnion ,
 Crouania , Griffithsia , Haloplegma ,
 Spyridia .
 Family Dasyaceae: Dasya . Heterosiphonia .
 Family Delesseriaceae: Caloglossa , Hypoglossum .
 Membranoptera . Myriogramme .
 Family Rhodomelaceae: Amansia . Bostrichia .
 Cladhyenia . Herposiphonia , Laurencia .
 Lophosiphonia . Murrayella . Polysiphonia .

2 SPECIES INDEX

CYANOPHYCEAE

- Anabaena torulosa Bornet and Flahault -- Newhouse (1954): Raroia.
Anacystis dimidiata (Kuetzing) Drouet and Daily - Newhouse (1954): Raroia ;
 Doty and Morrison (1954): Raroia.
Anacystis montana (Lightf.) Drouet and Daily -- Newhouse (1954): Raroia ;
 Doty and Morrison (1954): Raroia.
Aphanothecace microscopica Naegeli Tilden (in Setchell 1926a): Tahiti ;
 Setchell (1926a): Tahiti.
 *Brachytrichia codii Setchell Setchell (1926a): Tahiti.

Brachytrichia maculans Gomont - Setchell (1926a): Tahiti.
Brachytrichia quoyi (C. Agardh) Bornet and Flahault - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Calothrix aeruginea (Thuret) Bornet and Flahault - Setchell (1926a): Tahiti ; Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia ; Chaine (1982): Tuamotu.
Calotrix clavata West - Chaine (1982): Tuamotu.
Calothrix confervicola (Roth) Agardh - Chaine (1982): Tuamotu.
Calothrix crustacea Shousboe and Thuret - Setchell (1926a): Tahiti ; Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Calothrix fusca (Kuetzing) Bornet and Flahault - Chaine (1982): Tuamotu.
Calothrix parietina Bornet and Flahault - Newhouse (1954): Raroia.
Calothrix pilosa Harvey - Setchell (1926a): Tahiti ; Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Calothrix scopulorum (Weber and Mohr) Agardh - Newhouse (1954): Raroia : Doty and Morrison (1954): Raroia.
Chlorogloea conferta (Kuetzing) Setchell and Gardner - Setchell (1926a): Tahiti.
Chlorogloea sp. - Setchell (1926a): Tahiti.
Chroococcus membraninus (Meneghini) Naegeli - Setchell (1926a): Tahiti.
Chroococcus minor (Kuetzing) Naegeli - Setchell (1926a): Tahiti.
Chroococcus schizodermaticus West - Setchell (1926a): Tahiti.
Chroococcus turgidus (Kuetzing) Naegeli - Setchell (1926a): Tahiti.
Coccochloris aeruginosa (Naegeli) Drouet and Daily - Newhouse (1954): Raroia.
Coccochloris stagnina Sprengel - Doty and Morrison (1954): Raroia.
Cylindrospermum licheniforme (Bory) Kuetzing - Setchell (1926a): Tahiti.
Dichotrix hosfordii (Wolle) Bornet - Setchell (1926a): Tahiti.
Dichothrix rupicola Collins - Chaine (1982): Tuamotu.
Entophysalis granulosa Kuetzing - Setchell (1926a): Tahiti ; Ranson (1962): Hikueru. Kaukeru ; Chevalier et al. (1968) Mururoa ; Brousse et al. (1974): Gambier.
Entophysalis conferta (Kuetzing) Drouet and Daily - Newhouse (1954): Raroia.
Entophysalis crustacea J. Agardh) Drouet and Daily - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia ; Newel (1956).
Entophysalis sp. - Chevalier et al. (1979): Takapoto ; Setchell (1926a): Tahiti.
Fischerella ambigua (Bornet and Flahault) Gomont - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Hapalosiphon pumilis Bornet and Flahault - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Hydrocoleum cantharidosmum Gomont - Setchell (1926a, 1926b): Tahiti.
Hydrocoleum coccineum Gomont - Newhouse (1954): Raroia.
Hydrocoleum glutinosum Gomont - Newhouse (1954): Raroia.
Hydrocoleum lyngbyaceum Kuetzing - Setchell (1926a, 1926b): Tahiti : Newhouse (1954): Raroia.
Hyella caespitosa Bornet and Flahault - Setchell (1926a) : Tahiti ; Ranson (1962): Hikueru. Kaukura.
Lyngbya aestuari Gomont - Newhouse (1954): Raroia.
Lyngbya confervoides C. Agardh - Chaine (1982): Tuamotu.
Lyngbya epiphytica Hieronimus - Setchell (1926a, 1926b): Tahiti ; Chaine (1982): Tuamotu.
Lyngbya erecta Gardner - Chaine (1982): Tuamotu.
Lyngbya gracilis Gomont - Newhouse (1954): Raroia.
Lyngbya infixa Fremy - Chaine (1982): Tuamotu.
Lyngbya intermedia Gardner - Chaine (1982): Tuamotu.

Lyngbya lutea Gomont - Newhouse (1954): Raroia.
Lyngbya majuscula (Dillwyn) Harvey - Tilden (in Setchell 1926a): Tahiti ; Setchell (1926a): Tahiti ; Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia ; Guilcher et al. (1966): Mopelia : Denizot (1980): Tubuai.
Lyngbya martensiana Meneghini - Chaine (1982): Tuamotu.
Lyngbya mucicola Lemn. - Chaine (1982): Tuamotu.
Lyngbya nordgardii Wille - Chaine (1982): Tuamotu.
Lyngbya semiplena Gomont - Newhouse (1954): Raroia ; Chaine (1982): Tuamotu.
Lyngbya sordida Gomont - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Mastigocoleus testarum (Lagerheim) Bornet and Flahault - Setchell (1926a): Tahiti ; Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Microchaete grisea Thuret - Chaine (1982): Tuamotu.
**Microchaete tapahiensis* Setchell - Setchell (1926a) : Tahiti.
Microchaete vitiensis Askenasy - Setchell (1926a): Tahiti ; Chaine (1982): Tuamotu.
Microcoleus acutissimus Gardner - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Microcoleus chthonoplastes (Mertens) Zanardini - Newhouse (1954): Raroia.
Microcoleus paludosus (Kuetzing) Gomont - Setchell (1926a): Tahiti.
Microcoleus tenerimus Gomont - Setchell (1926a): Tahiti ; Newhouse (1954): Raroia.
... *Microcoleus sp.* - Denizot (1980): Tubuai.
Nodularia hawaiensis Tilden - Tilden (in Setchell 1926a): Tahiti.
Nodularia opumigena Mertens
... var. *major* Bornet and Flahault - Chaine (1982): Tuamotu.
Nostoc commune Bornet and Flahault - Newhouse (1954): Raroia.
Nostoc ellipsosporum Rabenhorst - Setchell (1926a): Tahiti.
Nostoc linkia (Roth) Bornet - Tilden (in Setchell 1926a): Tahiti.
Nostoc minutissimum Carm. - Setchell (1926a): Tahiti.
Nostoc muscorum Agardh - Setchell (1926a): Tahiti.
Nostoc rivulare Kuetzing - Setchell (1926a): Tahiti.
Oscillatoria bonnemaisionii Crouan - Chaine (1982): Tuamotu.
Oscillatoria brevis Kuetzing - Setchell (1926a): Tahiti.
Oscillatoria corallinae Gomont - Newhouse (1954): Raroia.
Oscillatoria formosa Bory - Tilden (in Setchell 1926a): Tahiti.
Oscillatoria limosa Agardh - Sournia (1976a, 1976b): Moorea.
**Oscillatoria maraaensis* Setchell - Setchell (1926a): Tahiti.
Oscillatoria nigro-viridis Thwaites - Chaine (1982): Tuamotu.
Oscillatoria princeps Vauch. - Setchell (1926a): Tahiti.
Oscillatoria sancta (Kuetzing) Gomont
... var. *caldariorum* Gomont - Setchell (1926a): Tahiti ; Chaine (1982): Tuamotu.
... var. *tenuis* Woronine - Chaine (1982): Tuamotu.
**Oscillatoria tahitense* Grunow - Grunow (1868): Tahiti.
Oscillatoria terebriformis Agardh - Chaine (1982): Tuamotu.
Porphyrosiphon fuscus Gomont - Newhouse (1954): Raroia.
Phormidium crossbyanum Tilden - Newhouse (1954): Raroia.
Phormidium fragile (Meneghini) Gomont - Setchell (1926a): Tahiti.
Phormidium monile Setchell and Gardner - Chaine (1982): Tuamotu.
Phormidium papyraceum Gomont - Newhouse (1954): Raroia.
Plectonema calothrichoides Gomont - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Plectonema nostocorum Bornet - Setchell (1926a): Tahiti ; Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.

Plectonema purpureum Gomont - Setchell (1926a): Tahiti.
Plectonema terebrans Bornet and Flahault - Setchell (1926a): Tahiti ; Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Plectonema wollei Farlow
---f. gracilis - Chaine (1982): Tuamotu.
Rivularia polyotis (J.Agardh) Bornet and Flahault - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Schizothrix guiseppei Drouet - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Schizothrix lacustris A.Brown - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Schizothrix longiarticulata Gardner - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Schizothrix thelephoroides Gomont - Newhouse (1954): Raroia.
Scytonema coactile Montagne - Setchell (1926a): Tahiti.
Scytonema crustaceum Bornet and Flahault - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Scytonema hofmannii Bornet and Flahault - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Scytonema guyanense (Montagne) Bornet and Flahault - Setchell (1926a): Tahiti ; Newhouse (1954): Raroia.
Scytonema mirabile (Dillw.) Bornet - Setchell (1926a): Tahiti.
Scytonema natans Breb. - Grunow (1868): Tahiti.
Scytonema ocellatum Lyngbye - Setchell (1926a): Tahiti ; Doty and Morrison (1954): Raroia.
Scytonema polycystum Bornet and Flahault - Setchell (1926a): Tahiti.
Scytonema saleyerense Weber van Bosse - Setchell (1926a): Tahiti.
Scytonema varium Kuetzing - Setchell (1926a): Tahiti.
Spirulina ardissonii Cohn. - Chaine 1982): Tuamotu.
Spirulina margaritae Gomont - Chaine (1982): Tuamotu.
Spirulina subsala Oersted. - Chaine (1982): Tuamotu.
Spirulina tenerima Kuetzing Newhouse (1954): Raroia.
Symploca atlantica Gomont - Newhouse (1954): Raroia.
Symploca hydnoides (Harvey) Kuetzing - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia ; Naim (1980a. 1980b): Moorea ; Naim and Amoureux (1982): Moorea.
Symploca kieneri Drouet - Newhouse (1954): Raroia ; Doty and Morrison (1954): Raroia.
Symploca laete-viridis Gomont - Setchell (1926a): Tahiti ; Newhouse (1954): Raroia.
Symploca muralis Gomont - Newhouse (1954): Raroia.
Tolypothrix bissoidea (Berk.) Kirchner = Hassalia byssoides (Berk.) Hassall - Denizot (1980): Tubuai.

PHAEOPHYTA

*Aglaozonia pacifica Setchell - Setchell (1926a. 1926b): Tahiti.
Chnoospora fastigiata J.Agardh var. pacifica J.Agardh - Grunow (1868): Tahiti ; Grunow (1873): Tahiti.
Chnoospora implexa (Hering) J.Agardh - Payri (1982): Moorea ; Payri and Naim (1982): Moorea.
Chnoospora pacifica - Setchell (1926b): Tahiti.
Chnoospora panosa J.Agardh - Bailey and Harvey (1845): Société ; Grunow (1873): Tahiti.
Colpomenia sinuosa (Mertens in Roth) Derbes and Solier = Asperococcus sinuosus (Roth) J.Agardh - Bailey and Harvey (1845): Société ; Payri

- (1982): Moorea.
 ---f. expansa Saunders - Grunow (1873): Tahiti ; Setchell (1926a): Tahiti.
 ---f. tuberculata (Saunders) Setchell and Gardner - Setchell (1926a): Tahiti.
 ---f. typica Setchell and Gardner - Grunow (1873): Tahiti ; Setchell (1926a): Tahiti.
 --- Colpomenia sp. - Denizot (1980): Tubuai.
Dictyopteris delicatula Lamouroux - Payri (1982): Moorea.
Dictyota acutiloba J.Agardh - Setchell (1926a): Tahiti.
Dictyota bartayresii Lamouroux - Payri (1982): Moorea.
Dictyota ciliata J.Agardh - Grunow (1868): Tahiti.
*Dictyota friabilis Setchell - Setchell (1926a): Tahiti.
*Dictyota hamifera Setchell - Setchell (1926a, 1926b): Tahiti.
Dictyota pardalis Kuetzing - Naim (1980a, 1980b): Moorea ; Naim et Amoureaux (1982): Moorea ; Payri (1982): Moorea.
-- Dictyota sp. - Setchell (1926b): Tahiti ; Denizot (1980): Tubuai.
Durvillaea antartica (Chamissa in Choris) Hariot = Durvillea utilis Bory - Grunow (1868): Tahiti (Dubtfull in Polynesia according to Setchell 1926a).
Ectocarpus breviarticulatus J.Agardh - Setchell (1926a): Tahiti.
Ectocarpus duchassaingianus Grunow - Setchell (1926a): Tahiti.
*Ectocarpus gonodoides Setchell and Gardner
---f. minor Setchell - Setchell (1926a): Tahiti.
Ectocarpus vanbosseae Setchell and Gardner - Setchell (1926a): Tahiti.
-- Ectocarpus sp. - Doty and Morrison (1954): Raiora.
Feldmannia indica (Sonder) Womersley and Bailey = Ectocarpus indicus Sonder - Tilden in Setchell (1926a): Tahiti ; Doty and Morrison (1954): Raroia.
Giffordia mitchelliae (Harvey) Hamel - Naim (1980a, 1980b, 1980c): Moorea ; Naim and Amoureaux (1982): Moorea ; Payri (1982): Moorea.
-- Giffordia sp. - Payri (1982): Moorea.
Hormophysa triquetra (C.Agardh) Kuetzing - Denizot (1980):Tubuai.
Hydroclathrus clathratus (Bory) Howe = Hydroclathrus cancellatus Bory Montagne (1845): Tahiti ; Tilden in Setchell (1926a): Tahiti ; Setchell (1926a, 1926b): Tahiti ; Chevalier et al. (1968): Mururoa ; Naim (1980a, 1980b, 1980c): Moorea ; Denizot (1980): Tubuai ; Naim and Amoureaux (1982): Moorea ; Payri (1982): Moorea ; Payri and Naim (1982): Moorea.
-- Hydroclathrus sp. - Brousse et al. (1980): Tubuai ; Denizot (1980): Tubuai.
Lessonia nigrescens Bory - Grunow (1868): Tahiti (Dubtfull in Polynesia according to Setchell 1926a).
Lessonia suhrii J.Agardh - Grunow (1868): Tahiti (Dubtfull in Polynesia according to Setchell 1926a).
Lobophora variegata (Lamouroux) Womersley = Pocockiella variegata (Lamouroux) Papenfuss = Zonaria variegata (Lamouroux) Mertens Setchell (1926a, 1926b): Tahiti ; Doty (1954a): Raroia ; Guilcher et al. (1966): Mopelia. Bora Bora ; Chevalier et al. (1968): Mururoa ; Payri (1982): Moorea.
-- Lobophora sp. = Pocockiella sp. - Chevalier et al. (1979): Takapoto ; Brousse et al. (1980): Tubuai ; Naim (1980a): Moorea.
Macrocystis angustifolia Bory - Grunow (1868): Tahiti (Dubtfull in Polynesia according to Setchell 1926a).
Padina pavonia (Linnaeus) Gaillon - Bailey and Harvey (1845): Société ; Montagne (1845): Mangareva ; Grunow (1868): Tahiti ; Tilden in Setchell (1926a): Tahiti.
Padina tenuis Bory - Padina commersonii Bory - Bory de Saint Vincent

- (1827): Tahiti (as Padina mediterranea Bory and as Padina reniformis Bory according to Setchell 1926a) ; Grunow (1873): Tahiti (as Padina fraseri Greville according to Setchell 1926a) ; Setchell (1926a): Tahiti ; Naim (1980a, 1980b, 1980c): Moorea ; Denizot (1980): Tubuai ; Naim and Amoureaux (1982): Moorea ; Payri (1982): Moorea.
- Padina sp. -- Setchell (1926b): Tahiti ; Denizot (1969): Moruroa.
- Ralfsia expansa J.Agardh -- Setchell (1926a): Tahiti.
- Ralfsia sp. -- Denizot (1980): Tubuai.
- Rosenvingea intricata (J.Agardh) Boergesen -- Payri (1982): Moorea.
- Sargassum bacciferum (Turner) C.Agardh
- f. chamissonis Grunow -- Grunow (1915): Tahiti.
- f. latiuscula Grunow -- Grunow (1915): Tahiti.
- Sargassum biserrula
- f. pacifica (Bory) Grunow = Sargassum pacificum (Bory) -- Grunow (1915): Tahiti.
- *Sargassum boraboraense (Grunow) Setchell = Sargassum obtusifolium J.Agardh var. boraboraense Grunow -- Grunow (1916): Tahiti ; Setchell (1926a): Tahiti.
- Sargassum cymosum C.Agardh -- Montagne (1845): Mangareva.
- Sargassum gracile J.Agardh
- var. pseudogranulifera Grunow -- Grunow in Setchell (1926a): floating between Tahiti and New Zealand.
- *Sargassum mangarevense (Grunow) Setchell = Sargassum vulgare C.Agardh var. mangarevensis Grunow -- Grunow (1916): Mangareva ; Setchell (1926a): Tahiti.
- Sargassum obtusifolium J.Agardh -- Grunow (1868) in Setchell (1926a): Tahiti.
- *Sargassum sociale (Grunow) Setchell = Sargassum vulgare var. socialis Grunow -- Grunow (1916): Tahiti ; Setchell (1926a, 1926b): Tahiti.
- *Sargassum tahitense (Grunow) Setchell = Sargassum cheirifolium Kuetzing var. tahitense Grunow -- Grunow (1873, 1916): Tahiti ; Setchell (1926a): Tahiti.
- Sargassum sp. -- Setchell (1922, 1926b): Tahiti ; Doty (1954b): Marqueses ; Brousse et al. (1980): Tubuai ; Denizot (1980): Tubuai ; Naim (1980c): Moorea ; Naim and Amoureaux (1980): Moorea ; Payri (1982): Moorea ; Payri and Naim (1982): Moorea.
- Sphacelaria furcigera Kuetzing -- Payri (1982): Moorea.
- *Sphacelaria taitensis Setchell -- Setchell (1926a): Tahiti.
- Sphacelaria tribuloides Meneghini -- Payri (1982): Moorea.
- Sphacelaria sp. -- Doty and Morrison (1954): Raroia.
- Turbinaria decurens Bory -- Bory de Saint Vincent (1827) ; Montagne (1845): Tahiti.
- Turbinaria ornata (Turner) J.Agardh -- Bailey and Harvey (1845): Société ; Barton (1891) ; Setchell (1926a, 1926b): Tahiti ; Taylor (1963): Tahiti ; Guilcher et al. (1966): Bora-Bora ; Naim (1980a, 1980b, 1980c): Moorea ; Naim and Amoureaux (1982): Moorea ; Payri (1982, 1984): Moorea ; Payri and Naim (1982): Moorea.
- Turbinaria sp. -- Setchell (1922) ; Brousse et al. (1980) Tubuai ; Denizot (1980): Tubuai.
- Zonaria sp. -- Doty and Morrison (1954): Raroia.

CHLOROPHYTA

- Acetabularia moebii Solms-Laubach -- Denizot (1980): Tubuai ; Naim (1980a): Moorea ; Payri (1982): Moorea.
- Acetabularia pusilla (Howe) Collins -- Payri (1982): Moorea.

Avrainvillea lacerata Harvey - Setchell (1926a. 1926b): Tahiti ; Naim (1980): Moorea ; Payri (1982): Moorea.
*Avrainvillea pacifica Gepp and Gepp - A. Gepp and E.S. Gepp (1911): Hikueru.
Boergesenia forbesii (Harvey) Feldmann = Valonia forbesii Harvey - Grunow (1867-1868): Tahiti.
Boodlea kaeneana Brand - Tilden (as Boodlea composita in Setchell 1926a): Tahiti ; Setchell (1926a): Tahiti.
Boodlea siamensis Reinbold - Payri (1982): Moorea.
--- Boodlea sp. Denizot (1967): Maturei. Vavao ; Denizot (1980): Tubuia. Moorea. Maturei. Vavao.
Bornetella sphaerica (Zanardini) Solms Laubach - Denizot (1980): Tubuai.
Bryopsis harveyana J. Agardh - Setchell (1926a): Tahiti.
Bryopsis pennata Lamouroux - Doty and Morrison (1954): Raroia ; Chevalier et al. (1968): Mururoa ; Payri (1982): Moorea.
--- Bryopsis sp. Setchell (1926b): Tahiti ; Doty and Morrison (1954): Raroia ; Denizot (1969).
Caulerpa bikinensis Taylor - Doty (1954): Raroia ; Doty and Morrison (1954): Raroia ; Meinesz et al. (1981): Takapoto.
Caulerpa cupressoides (West) C. Agardh
--- var. lycopodium (J. Agardh) Weber van Bosse - Setchell (1926a): Tahiti.
--- f. amicorum (Harvey) Weber van Bosse - Setchell (1926a): Tahiti.
--- f. elegans (Crouan) Weber van Bosse - Setchell (1926a): Tahiti.
--- var. mamillosa (Montagne) Weber van Bosse f. canariensis Weber van Bosse - Weber van Bosse (1898): Mangareva.
*Caulerpa mamillosa Montagne - Montagne (1942. 1945): Mangareva ; Weber van Bosse (1910): Marutea. Hao. Hikueru ; Seurat (1934): Marutea. Hao. Hikueru.
Caulerpa peltata Lamouroux = Caulerpa racemosa var. peltata (Lamouroux) Eubank - Setchell (1926a): Tahiti ; Denizot (1980): Tubuai ; Meinesz et al. (1981): Takapoto. Moorea ; Payri (1982): Moorea.
--- var. nummularia (J. Agardh) Weber van Bosse - Weber van Bosse (1910): Rikitea. Maka-pou.
*Caulerpa pickeringii Harvey and Bailey - Harvey and Bailey (1851): Kauki. Manihi ; Weber van Bosse (1898): Tahiti. ile de Wilson ; Doty and Morrison (1954): Raroia ; Denizot (1968b) ; Chevalier et al. (1968): Mururoa ; Jaubert et al. (1976): Moorea ; Chevalier et al. (1979): Takapoto ; Naim (1980a): Moorea ; Meinesz et al. (1981): Takapoto. Moorea ; Naim and Amoureux (1982): Moorea ; Payri (1982): Moorea.
Caulerpa prolifera (Forsskal) Lamouroux - Montagne (1845): Mangareva.
Caulerpa racemosa (Forsskal) J. Agardh - Chevalier et al. (1968): Mururoa ; Chevalier et al. (1979): Takapoto ; Naim (1980a): Moorea ; Denizot (1980): Tubuai ; Payri (1982): Moorea
--- var. laetevirens (Montagne) Weber van Bosse - Seurat (1934): Aukena. Mangareva
--- var. laetevirens f. hypocraetiformis Weber van Bosse - Weber van Bosse (1910): Marutea. Rikitea. Tearia ; Seurat (1934): Marutea.
--- var. chemnitzia (Esper) Weber van Bosse = Caulerpa chemnitzia Esper - Setchell (1926a): Tahiti ; Naim (1980a): Moorea
--- var. clavifera (Turner) Weber van Bosse - Setchell (1926a): Tahiti ; Meinesz et al. (1981): Moorea.
Caulerpa sedoides (R. Brown) C. Agardh - Weber van Bosse (1910): Rikitea ; Seurat (1934): Aukena. Mangareva.
Caulerpa selago (Turner) C. Agardh - Montagne (1845): Mangareva.
Caulerpa serrulata (Forsskal) J. Agardh emend. Boergesen = Caulerpa freycinetii J. Agardh
--- var. serrulata (Weber van Bosse) Tseng - var. typica Weber van Bosse - Grunow (1868): Tahiti : Setchell (1926a. 1926b): Tahiti ; Seurat

(1934): Aukena . Anaa ; Doty and Morrison (1954): Raroia ; Chevalier et al. (1968): Mururoa ; Denizot (1968b) ; Meinesz et al. (1981): Moorea ; Naim (1980a): Moorea ; Payri (1982): Moorea.

var. boryana (J.Agardh) Gilbert - Weber van Bosse (1910): Tokaai . Tearia ; Seurat (1934): Aukena. Mangareva.

var. pectinata (Kuetzing) Taylor - Meinesz et al. (1981): Moorea.

f. spiralis Weber van Bosse - Setchell (1926a): Tahiti.

Caulerpa sertularioides (Gmelin) Howe = Caulerpa plumaris Gmelin - Grunow (1868): Tahiti ; Setchell (1926a. 1926b): Tahiti ; Denizot (1968b) ; Naim (1980a): Moorea ; Denizot (1980): Tubuai.

f. brevipes (J.Agardh) Svedelius - Meinesz et al. (1981): Moorea.

*Caulerpa seurati Weber van Bosse - Chevalier et al. (1968): Mururoa.

* f. minor Weber van Bosse - Weber van Bosse (1910): Tokaai . Marutea ; Seurat (1934): Aukena. Mangareva. Marutea ; Meinesz et al. (1981): Takapoto.

* f. major Weber van Bosse - Weber van Bosse (1910): Tokaai : Seurat (1934): Aukena. Mangareva ; Meinesz et al. (1981): Takapoto.

Caulerpa taxifolia (Valh) C.Agardh

f. asplenoides Greville - Weber van Bosse (1910): Tokaai. Tearia. Taravai. Rikitea. Hakapou ; Seurat (1934): Aukena. Mangareva.

*Caulerpa urvilliana Montagne - Montagne (1845) : Weber van Bosse (1910): Marutea. Hao. Hikueru ; Seurat (1934): Marutea. Hikueru. Hao ; Doty and Morrison (1954): Raroia : Guilcher et al. (1966): Mopelia ; Denizot (1968b. 1972) ; Chevalier et al. (1968): Mururoa ; Chevalier et al. (1979) : Meinesz et al. (1981): Takapoto ; Jaubert and Meinesz (1981): Takapoto

Caulerpa verticillata J.Agardh Meinesz et al. (1981): Moorea.

Caulerpa webbiana Montagne - Setchell (1926a. 1926b): Tahiti ; Meinesz et al. (1981): Moorea ; Payri (1982): Moorea.

- Caulerpa sp. - Denizot (1972) : Bagnis and Denizot (1978): Marqueses ; Brousse et al. (1980): Tubuai.

Chaetomorpha basiretrorsa Setchell - Setchell (1926a): Tahiti.

Chaetomorpha fibrosa Kuetzing - Setchell (1926a): Tahiti.

- Chaetomorpha sp. - Denizot (1980): Tubuai.

Chlorodesmis comosa Harvey and Bailey = Rhytidophyton tahitense Brand = Chlorodesmis tahitensis Brand - Grunow (1868): Tahiti : Agardh (1887): Noukahiva ; Brand (1911a. 1911b): Tahiti ; Setchell (1926a. 1926b): Tahiti ; Ducker (1967): Tahiti ; Naim (1980a): Moorea ; Payri (1982): Moorea.

- Chlorodesmis sp. Denizot (1980): Tubuai ; Brousse et al. (1980): Tubuai.

Cladophora inserta Dickie

f. typica Setchell Setchell (1926a): Tahiti.

f. ungulata (Brand) Setchell - Cladophora mauritiana var. ungulata Brand - Setchell (1926a): Tahiti.

*Cladophora leucobryoides Setchell - Tilden (as Cladophora heteronema) in Setchell (1926a): Tahiti.

*Cladophora patentiramea (Montagne) Kuetzing = Conferva patentiramea Montagne - Montagne (1842. 1845): Tahiti - Setchell (1926a): Tahiti.

Cladophora pellucida (Hudson) Kuetzing - Payri (1982): Moorea.

*Cladophora rhadina Setchell - Setchell (1926a): Tahiti.

*Cladophora socialis Kuetzing - Setchell (1926a): Tahiti.

- Cladophora sp. - Setchell (1926b): Tahiti ; Denizot (1969): Tahiti ; Denizot (1980): Tubuai.

Cladophoropsis herpestica (Montagne) Howe - Setchell (1926a): Tahiti.

Cladophoropsis infestans Setchell - Setchell (1926a): Tahiti.

Cladophoropsis membranacea (C Agardh) Boergesen - Payri (1982): Moorea.

- Cladophoropsis sundanensis Reinbold - Setchell (1926a): Tahiti.
 -- Cladophoropsis sp. - Doty and Morrison (1954): Raroia ; Denizot (1980):
 Tubuai.
Codium arabicum Kuetzing - Payri (1982): Moorea.
Codium bulbopilum Setchell - Setchell (1926a): Tahiti.
Codium coronatum Setchell - Setchell (1926a): Tahiti.
 ----var. insculptum Setchell - Setchell (1926a): Tahiti.
Codium geppii O.C. Schmidt - Naim (1980a): Moorea ; Payri (1982): Moorea.
*Codium tahitense Setchell - Setchell (1926a): Tahiti.
Codium tomentosum Ag. - Montagne (1845): Mangareva.
 -- Codium sp. - Setchell (1926b): Tahiti ; Doty and Morrison (1954): Raroia
 ; Bagnis and Denizot (1978): Marqueses ; Denizot (1980): Tubuai.
Derbesia marina (Lyngb.) Solier - Payri (1982): Moorea.
Dictyosphaeria australis Setchell - Setchell (1926a): Tahiti ; Guilcher et
 al. (1966): Mopelia.
Dictyosphaeria cavernosa (Forsskal) Boergesen = Dictyosphaeria favulosa
 (Mertens) Decaisne - Setchell (1926a): Tahiti ; Doty and Morrison
 (1954): Raroia ; Denizot (1980): Tubuai ; Payri (1982): Moorea.
 -- Dictyosphaeria sp. - Doty and Morrison (1954): Raroia ; Denizot (1980):
 Tubuai ; Brousse et al. (1980): Tubuai.
Enteromorpha chaetomorphoides Boergesen - Setchell (1926a): Tahiti.
Enteromorpha clathrata (Roth) J. Agardh - Denizot (1969) ; Denizot (1980):
 Tubuai ; Naim (1980a): Moorea ; Payri (1982): Moorea.
Enteromorpha lingulata J. Agardh - Tilden (as Enteromorpha flexuosa) in
 Setchell (1926a): Tahiti.
Enteromorpha salina Kuetzing
 ---var. polyclados Kuetzing - Setchell (1926a): Tahiti.
Enteromorpha tubulosa (Kuetzing) Kuetzing - Setchell (1926a): Tahiti.
 -- Enteromorpha sp. - Setchell (1926a): Tahiti ; Bagnis and Denizot (1978):
 Marqueses ; Denizot (1980): Tubuai.
*Entoderma codii Setchell - Setchell (1926a): Tahiti.
--- Gomontia sp. - Setchell (1926a): Tahiti.
Halimeda discoidea Decaisne - Setchell (1926a): Tahiti ; Moul (1964):
 Raroia ; Payri (1982): Moorea.
Halimeda incrassata (Ellis) Lamouroux = Halimeda tridens (Ellis and
 Solander) Lamouroux - Barton (1901): Noukahiva. Rangiroa. Fakarava ;
 Setchell (1926a): Tahiti ; Meinesz (1980b): Moorea ; Payri and Naim
 (1982): Moorea.
*....f. ovata (J. Agardh) Howe - J. Agardh (1886): Noukahiva.
Halimeda macroloba Decaisne - Setchell (1926a): Tahiti : Seurat (1934):
 Aukena, Mangareva ; Naim (1980a): Moorea ; Naim and Amoureaux (1982):
 Moorea.
Halimeda platidisca Decaisne - Montagne (1845): Mangareva.
Halimeda opuntia (Linnaeus) Lamouroux - Grunow (1868): Tahiti ; J. Agardh
 (1887): Tahiti ; Barton (1901): Tahiti ; Setchell (1926b): Tahiti ;
 Seurat (1934): Aukena. Makaroa, Koaku, Hao ; Chevalier et al. (1968):
 Mururoa ; Denizot (1968b) ; Denizot (1972): Hao ; Jaubert et al.
 (1976): Moorea ; Naim (1980a, 1980b, 1980c): Moorea ; Naim and Amoureaux
 (1982): Moorea ; Payri and Naim (1982): Moorea ; Payri (1982): Moorea.
----var. hederacea (Barton) Hillis Setchell (1926a): Tahiti ; Payri
 (1982): Moorea.
Halimeda simulans Howe - Setchell (1926a): Tahiti ; Payri (1982): Moorea.
Halimeda stuposa Taylor - Naim (1980a, 1980c): Moorea ; Naim and Amoureaux
 (1982): Moorea.
Halimeda taenicola Taylor - Moul (1964): Raroia ; Guilcher et al. (1966):
 Mopelia ; Payri (1982): Moorea.
Halimeda tuna (Ellis and Solander) Lamouroux - Payri (1982): Moorea.

- Halimeda* sp. - Setchell (1926b): Tahiti ; Doty and Morrison (1954): Raroia ; Guilcher et al. (1966): Bora-Bora ; Denizot (1967) ; Denizot (1972): Mururoa, Fangataufa, Hao ; Brousse et al. (1974): Gambier ; Jaubert et al. (1976): Moorea ; Bagnis and Denizot (1978): Marqueses ; Denizot (1980): Tubuai ; Brousse et al. (1980): Tubuai.
Microdictyon agardhianum Decaisne - Bailey and Harvey (1845): Kauki, Manihi.
Microdictyon montagnei Harvey - Setchell (1926a, 1929): Tahiti.
Microdictyon okamurai Setchell - Doty and Morrison (1954): Raroia ; Newhouse (1954): Raroia ; Guilcher et al. (1966): Mopelia.
Microdictyon setchellianum Howe - Chevalier et al. (1968): Mururoa.
-- *Microdictyon* sp. - Doty and Morrison (1954): Raroia ; Denizot (1972): Puka, Rua, Tureia, Maturei, Vavao, Vairatua ; Chevalier et al. (1979): Takapoto ; Denizot (1980): Tubuai, Maturei, Vavao.
Neomeris annulata Dickie - Payri (1982): Moorea.
Neomeris mucosa Howe - Payri (1982): Moorea.
Neomeris vanbosseae Howe - Setchell (1926a): Tahiti ; Guilcher et al. (1966): Mopelia ; Chevalier et al. (1968): Mururoa ; Naim (1980a): Moorea ; Payri (1982): Moorea.
-- *Neomeris* sp. - Doty and Morrison (1954): Raroia.
Ostreobium reinekei Bornet - Setchell (1926a): Tahiti.
Palmogloea protuberans (Sm. and Sow.) Kuetzing - Chevalier et al. (1979): Takapoto.
**Phyllactidium marinum* Grunow - Grunow (1868): Tahiti.
**Pseudulvella rhizoclonii* Setchell - Setchell (1926a): Tahiti.
Rhipilia geppii Taylor - Doty (1954a): Raroia ; Doty (1954b): Raroia, Takume ; Doty and Morrison (1954): Raroia.
**Rhipiliopsis moruroaensis* Farghaly and Denizot - Farghaly and Denizot (1979): Moruroa.
Rhyzoclonium hieroglyphicum (Agardh) Kuetzing - Setchell (1926a): Tahiti.
Rhyzoclonium hoockeri Kuetzing - Doty and Morrison (1954): Raroia.
Rhyzoclonium lubricum Setchell and Gardner - Setchell (1926a): Tahiti.
**Rhyzoclonium samoense* Setchell
* f. *arrhizum* Setchell - Setchell (1926a): Tahiti.
* f. *typicum* Setchell - Setchell (1926a): Tahiti.
Scenedesmus bijuga (Turp.) Lag. - Setchell (1926a): Tahiti.
Stigeoclonium lubricum (Dillw.) Kuetzing - Setchell (1926a): Tahiti.
Struvea anastomosans (Harvey) Piccone - Payri (1982): Moorea.
-- *Struvea* sp. - Doty and Morrison (1954): Raroia ; Denizot (1980): Tubuai.
-- *Trichosolen* sp. - Denizot (1980): Tubuai ; Payri (1982): Moorea.
Udotea javensis (Montagne) A. and E.S. Gepp = *Rhipidosiphon javensis* (Montagne) A. and E.S. Gepp - Meinesz (1980a, 1980b): Takapoto ; Denizot (1980): Tubuai ; Payri (1982): Moorea.
Ulva lactuca Linnaeus - Montagne (1845): Tahiti.
-- f. *lacinulata* (Kuetzing) Hauck - Tilden (as *Ulva genuia*) in Setchell (1926a): Tahiti ; Setchell (1926a): Tahiti.
Valonia fastigiata Harvey - Setchell (1926a): Tahiti : Naim (1980): Moorea ; Payri (1982): Moorea.
Valonia ventricosa J. Agardh - Setchell (1926a, 1926b): Tahiti ; Naim (1980a): Moorea ; Payri (1980): Moorea.
-- *Valonia* sp. - Denizot (1980): Tubuai.
-- *Valoniopsis* sp. - Payri (1980): Moorea.

RHODOPHYTA

- Archaeolithothamnion erythraeum (Roth) Foslie - Setchell (1926a): Tahiti.
-- Acrochaetium sp. - Setchell (1926a): Tahiti.
Actinotrichia fragilis (Forsskal) Boergesen - Naim and Amoureaux (1982): Moorea ; Payri (1982): Moorea.
Actinotrichia rigida (Lamouroux) Decaisne - Grunow (1873): Tahiti ; Setchell (1926a): Tahiti ; Naim (1980a, 1980b): Moorea.
Amansia glomerata C.Agardh - Naim (1980): Moorea ; Payri (1982): Moorea.
Amphiroa annulata Lemoine - Doty and Morrison (1954): Raroia.
Amphiroa fragilissima (Linnaeus) Lamouroux - Setchell (1926a): Tahiti ; Payri (1982): Moorea.
Amphiroa rigida Lamouroux - Naim (1980a): Moorea ; Naim and Amoureaux (1982): Moorea ; Payri (1982): Moorea.
-- Amphiroa sp. - Seurat (1934): Aukena, Mangareva.
Asparagopsis sanfordiana Harvey - Setchell (1926a, 1926b): Tahiti.
Asparagopsis taxiformis (Delile) Collins and Hervey = Falkenbergia hildenbrandii (Bornet) Falkenberg - Payri (1982): Moorea.
-- Asparagopsis sp. - Seurat (1934): Aukena, Mangareva ; Denizot (1969) ; Denizot (1980): Tubuai.
*Bostrychia exigua Setchell - Setchell (1926a): Tahiti.
Botryocladia pyriformis (Boergesen) Kylin - Payri (1982): Moorea.
-- Botryocladia sp. - Denizot (1980): Tubuai.
-- Caloglossa sp. - Payri (1982): Moorea.
-- Carpopeltis sp. - Payri (1982): Moorea.
Centroceras clavulatum (C.Agardh) Montagne - Setchell (1926a): Tahiti ; Doty and Morrison (1954): Raroia ; Guilcher et al. (1966): Bora-Bora ; Payri (1982): Moorea.
-- Centroceras sp. - Guilcher et al. (1966): Mopelia ; Denizot (1972) ; Chevalier et Denizot (1979): Takapoto.
Ceramiella atlantica Joly - Payri (1982): Moorea.
Ceramium avalonae Dawson - Doty and Morrison (1954): Raroia.
-- Ceramium sp. - Guilcher et al. (1966): Mopelia ; Denizot (1972) ; Chevalier and Denizot (1979): Takapoto ; Denizot (1980): Tubuai.
Ceramothamnion codii Richards - Setchell (1926a): Tahiti.
Champia parvula (C.Agardh) Harvey - Payri (1982): Moorea.
*Cheilosporum jungermannioides Ruprecht - Setchell (1926a): Tahiti.
Cheilosporum sagittatum (Lamouroux) Areschoug - Payri (1982): Moorea.
*Chevaliericrusta polynesia Denizot - Denizot (1968a): Tahiti, Tuamotu ; Chevalier et al. (1968): Mururoa ; Chevalier and Denizot (1979): Takapoto.
-- Chevaliericrusta sp. - Denizot (1971, 1972).
Chondrococcus harveyi (J.Agardh) De Toni - Setchell (1926a): Tahiti.
-- Choreonema sp. - Setchell (1926a): Tahiti.
*Cladhymenia pacifica Setchell - Setchell (1926a): Tahiti.
Corallina gracilis - Doty and Morrison (1954): Raroia.
Coelothrix irregularis (Harvey) Boergesen - Payri (1982): Moorea.
Crouania attenuata (Bonnemaison) J.Agardh - Grunow (1868): Tahiti.
-- Crouania sp. - Guilcher et al. (1966): Mopelia.
Cruoriella conchilicola - Setchell (1926b): Tahiti.
Cruoriella dura (Heydrich) Weber van Bosse - Setchell (1926a): Tahiti.
Cruoriella intermedia Weber van Bosse - Setchell (1926a): Tahiti.
Cruoriella nitida Weber van Bosse - Setchell (1926a): Tahiti.
Cruoriopsis reinboldii Weber van Bosse - Setchell (1926a): Tahiti.
-- Dasya sp. - Payri (1982): Moorea.

*Dermatolithon rasile (Foslie) Foslie = Lithophyllum rasile Foslie -
Foslie (1906, 1929): Tahiti.
Fosliella farinosa (Lamouroux) Howe - Setchell (1926a, 1926b): Tahiti.
Galaxaura glabriuscula Kjellman - Setchell (1926a): Tahiti.
Galaxaura lapidescens (Solander) Lamouroux - Seurat (1934): Aukena.
Mangareva.
Galaxaura obtusata (Ellis and Solander) Lamouroux - Payri (1982): Moorea.
Galaxaura rудis Kjellman - Setchell (1926a): Tahiti.
Galaxaura rugosa Lamouroux - Montagne (1845): Mangareva.
Galaxaura tenera Kjellman - Naim (1980a): Moorea ; Payri (1982): Moorea.
Gelidiella acerosa (Forsskal) Feldmann and Hamel - Galzin (1977): Moorea ;
Naim (1980a): Moorea.
Gelidiella setacea (Feldmann) Feldmann and Hamel - Payri (1982): Moorea.
Gelidiopsis intricata (Agardh) Vickers - Payri (1982): Moorea.
Gelidium acrocarpum Harvey - Setchell (1926a): Tahiti.
Gelidium crinale (Turner) Lamouroux - Payri (1982): Moorea.
Gelidium delicatulum (Kuetzing) Grunow - Setchell (1926a): Tahiti.
Gelidium intricatum (Agardh) Kuetzing - Setchell (1926a): Tahiti.
Gelidium rigidum (Vahl) Greville - Grunow (1868): Tahiti ; Setchell
(1926a): Tahiti.
--- var. unilaterale Harvey and Bailey - Bailey and Harvey (1845): Tahiti.
Gelidium samoense Reinbold
* --- f. lineare Setchell - Setchell (1926a): Tahiti.
--- Gelidium sp. Doty and Morrison (1954): Raroia ; Sournia (1976b):
Moorea.
Gibsmithia hawaiiensis Doty - Bou Kerimian (1976).
--- Gibsmithia sp. Brousse et al. (1980): Tubuai ; Denizot (1980):
Tubuai.
Goniolithon harriotii Foslie - Foslie (1906, 1929): Mangareva.
Goniolithon laccadivicum Foslie
--- f. armata Foslie - Foslie (1929): Mangareva.
Goniolithon megalocystum Foslie - Setchell (1926a): Tahiti.
Goniolithon myriocarpon Foslie - Setchell (1926a): Tahiti.
--- f. confragosa Foslie - Foslie (1906, 1929): Tahiti.
Goniolithon reinboldii (Foslie) Foslie - Setchell (1926a): Tahiti.
--- Goniolithon sp. Doty (1954a): Raroia ; Doty and Morrison (1954):
Raroia.
--- Gracilaria sp. Payri (1982): Moorea.
Griffithsia tenuis C. Agardh - Payri (1982): Moorea.
Griffithsia pacifica Kylin - Payri (1982): Moorea.
--- Haloplegma sp. Payri (1982): Moorea.
Herposiphonia tenella (C. Agardh) Naegeli - Doty and Morrison (1954):
Raroia ; Guilcher et al. (1966): Bora-Bora ; Payri (1982): Moorea
(refered as Heterosiphonia tenella (C. Agardh) Ambronn).
*Herposiphonia parca Setchell - Setchell (1926a): Tahiti ; Galzin (1977):
Moorea ; Naim (1980a): Moorea.
Herposiphonia secunda (C. Agardh) Ambronn - Payri (1982): Moorea (refered as
Heterosiphonia tenella f. secunda (C. Agardh) Hollenberg).
--- Herposiphonia sp. Chevalier and Denizot (1979): Takapoto.
Heterosiphonia wurdmanii (Bailey and Harvey) Falkenberg - Payri (1982):
Moorea.
Hypnea nidifica J. Agardh - Payri (1982): Moorea.
Hypnea nidulans Setchell - Setchell (1926a): Tahiti.
Hypnea spinella (C. Agardh) Kuetzing - Grunow (1868): Tahiti ; Payri (1982):
Moorea.
--- Hypoglossum sp. Payri (1982): Moorea.
Iridaea micans Bory - Grunow (1868): Tahiti (Floating) (Dubtfull in

Polynesia according to Setchell 1926a).

Jania adhaerens Lamouroux - Setchell (1926a. 1926b): Tahiti.

Jania corniculata (Linnaeus) Lamouroux - Setchell (1926a. 1926b): Tahiti.

Jania rubens Lamouroux - Guilcher et al. (1966): Bora-Bora.

Jania tenella Kuetzing - Naim (1980a): Moorea : Payri (1982): Moorea.

Jania sp. Doty and Morrison (1954): Raroia ; Guilcher et al. (1966): Rangiroa ; Bagnis and Denizot (1978): Marqueses ; Chevalier et al. (1979): Takapoto.

Laurencia distichophylla J.Agardh - Payri (1982): Moorea.

*Laurencia flexilis Setchell - Setchell (1926a. 1926b): Tahiti.

Laurencia perforata (Bory) Montagne - Payri (1982): Moorea.

Laurencia sp. - Doty and Morrison (1954): Raroia : Denizot (1980): Tubuai ; Payri (1982): Moorea.

Leptofauchea sp. - Payri (1982): Moorea.

Liagora ceranoides Lamouroux - Payri (1982): Moorea.

Liagora hawaiiana Butters - Naim (1980a): Moorea ; Naim and Amoureaux (1982): Moorea.

Liagora sp. Doty and Morrison (1954): Raroia : Denizot (1980): Tubuai ; Payri (1982): Moorea.

*Litholepis accola Foslie - Foslie (1906. 1929): Hao ; Setchell (1926a): Tahiti.

Lithophyllum bissooides - Denizot (1980): Tubuai.

Lithophyllum kaiserii (Heydrich) Heydrich - Setchell (1926a. 1926b): Tahiti : Guilcher et al. (1966): Rangiroa ; Chevalier et al. (1968): Mururoa ; Denizot (1968b. 1980).

Lithophyllum samoense Foslie - Foslie (1906): Tahiti - Setchell (1926a): Tahiti.

Lithophyllum sp. - Setchell (1926a): Tahiti ; Doty and Morrison (1954): Raroia ; Denizot (1972) ; Brousse et al. (1980): Tubuai ; Denizot (1980): Tubuai.

Lithoporella melobesioides Foslie - Setchell (1926a): Tahiti.

Lithothamnion fragilissimum Foslie - Setchell (1926a): Tahiti.

*Lithothamnion imbricatum Dickie - Lithothamnion dickiei Foslie - Dickie (1877 in Setchell 1926a): Tahiti . Foslie (1903 in Setchell 1926a): Tahiti : Foslie (1929): Tahiti.

Lithothamnion purpurascens Foslie - Foslie (1929): Tahiti

Lithothamnion siamense Foslie - Setchell (1926a): Tahiti.

Lithothamnion simulans (Foslie) Foslie - Setchell (1926a): Tahiti.

*Lithothamnion tahiticum Foslie - Lithothamnion japonicum f. tahitica Foslie - Foslie (1906. 1929): Tearia.

*Lithothamnion thelostegium Foslie - Foslie(?): Rikitea ; Setchell (1926a): Tahiti.

Lithothamnion sp. Doty (1954a): Raroia.

*Lophosiphonia sparsa Setchell - Setchell (1926a): Tahiti.

Lophosiphonia sp. - Doty and Morrison (1954): Raroia ; Galzin (1977): Moorea ; Chevalier and Denizot (1979): Takapoto.

Maripelta rotata (Dawson) Dawson - Payri (1982): Moorea.

Mastophora macrocarpa Montagne

- var. condensata Foslie - Setchell (1926a): Tahiti.

Membranoptera sp. - Payri (1982): Moorea.

Murrayella squarrosa (Harvey) Schmitz - Setchell (1926a): Tahiti.

Myriogramme variegata Yamada - Payri (1982): Moorea.

Neogoniolithon fosliei (Heydrich) Setchell and Mason = Goniolithon fosliei (Heydrich) Foslie - Setchell (1926a): Tahiti.

Neogoniolithon frutescens (Foslie) Setchell and Mason - Sournia (1976b): Moorea.

Peyssonnelia calcea Heydrich - Setchell (1926a): Tahiti : Denizot (1972):

Tahiti. Gambier ; Jaubert et al. (1976): Moorea ; Naim (1980a): Moorea.
Peyssonnelia conchicola Piccone and Grunow - Setchell (1926a): Tahiti.
Peyssonnelia rubra (Greville) J.Agardh - Setchell (1926a): Tahiti ; Denizot (1968b).
Peyssonnelia sp. - Doty and Morrison (1954): Raroia ; Guilcher et al. (1966): Mopelia.
Polysiphonia pecten-veneris Harvey
 -- f. minutulae - Grunow (1873): Tahiti.
Polysiphonia scopulorum Harvey - Payri (1982): Moorea.
Polysiphonia sertularioides (Grateloup) J.Agardh - Payri (1982): Moorea.
Polysiphonia tongatensis Harvey - Setchell (1926a): Tahiti.
Polysiphonia sp. - Setchell (1926b): Tahiti ; Doty and Morrison (1954): Raroia ; Payri (1982): Moorea.
Porolithon aequinoctiale (Foslie) Foslie - Doty and Morrison (1954): Raroia.
Porolithon craspedium (Foslie) Foslie - Lemoine (1911 in Setchell 1926a): Takaroa . Setchell (1926b): Tahiti ; Seurat (1934): Marutea ; Ranson (1962): Hikueru : Guilcher et al. (1966): Mopelia. Bora-Bora. Rangiroa ; Chevalier et al. (1968): Mururoa ; Denizot (1968b) ; Chevalier and Denizot (1979): Takapoto ; Brousse et al. (1980): Tubuai ; Denizot (1980): Tubuai.
Porolithon gardineri (Foslie) Foslie - Doty and Morrison (1954): Raroia ; Newel (1956) : Ranson (1962) Hikueru.
Porolithon onkodes (Heydrich) Foslie - Setchell (1926a, 1926b): Tahiti ; Doty and Morrison (1954): Raroia ; Newhouse (1954): Raroia ; Doty (1954a): Raroia ; Newell (1956) ; Ranson (1962): Hikueru ; Guilcher et al. (1966): Mopelia. Bora-Bora. Rangiroa ; Chevalier et al. (1968): Mururoa ; Denizot (1968b, 1971) ; Chevalier and Denizot (1979): Takapoto : Brousse et al. (1980): Tubuai ; Denizot (1980): Tubuai.
Porolithon sp. - Denizot (1972) ; Bagnis and Denizot (1978): Marqueses ; Brousse et al. (1980): Tubuai.
Pterocladia media Dawson - Payri (1982): Moorea.
Rhabdonia sp. - Payri (1982): Moorea.
Spyridia clavulata J.Agardh - Montagne (1845): Tahiti.
Tylotus sp. - Payri (1982): Moorea.
Wurdemannia miniata (Lamouroux) Feldmann and Hamel Sournia (1976b): Moorea.

3 ISLAND REFERENCE INDEX

Anaa : Seurat (1934).
Aukena : Seurat (1934).
Bora-Bora : Guilcher et al. (1966).
Fangataufa : Denizot (1972).
Fakarava : Barton (1901).
Gambier : Brousse et al. (1974).
Hakapou : Weber van Bosse (1910).
Hao : Weber van Bosse (1910). Seurat (1934). Denizot (1972).
Hikueru : Weber van Bosse (1910). Seurat (1934). Ranson (1962). Gepp and Gepp (1911).
Kaukeru : Ranson (1962).
Kaueki : Harvey and Bailey (1851). Bailey and Harvey (1845).
Koaku : Seurat (1934).
Maka-Pou : Weber van Bosse (1910).

Makaroa : Seurat (1934).
Mangareva : Montagne (1842. 1845). Grunow (1916). Weber van Bosse (1898).
Foslie (1906. 1929). Seurat (1934).
Manihi : Bailey and Harvey (1845). Harvey and Bailey (1851).
Marqueses : Doty (1954). Bagnis and Denizot (1978).
Marutea : Weber van Bosse (1910). Seurat (1934).
Maturei : Denizot (1967. 1972. 1980).
Moorea : Sournia (1976a. 1976b). Jaubert et al. (1976). Galzin (1977). Naim (1980a. 1980b. 1980c). Denizot (1980). Meinesz (1980b). Meinesz et al. (1981). Naim and Amoureux (1982). Payri (1982. 1984). Payri and Naim (1982).
Mopelia : Guilcher et al. (1966).
Moruroa : Farghaly and Denizot (1979).
Mururoa : Chevalier et al. (1968). Denizot (1969. 1972).
Nukuhiva (Noukahiva): J. Agardh (1886). Barton (1901).
Puka : Denizot (1972).
Rangiroa : Barton (1901). Guilcher et al. (1966).
Raroia : Newhouse (1954). . Doty (1954a. 1954b). Doty and Morrison (1954). Moul (1964).
Rikitea : Weber van Bosse (1910).
Rua : Denizot (1972).
Société : Bailey and Harvey (1845).
Takapoto : Chevalier et al. (1979). Chevalier and Denizot (1979). Meinesz (1980a. 1980b). Meinesz et al. (1981). Jaubert and Meinesz (1981).
Takaroa : Lemoine (1911 in Setchell 1926a)
Takume : Doty (1954b).
Tahiti : Bory de Saint Vincent (1827). Montagne (1845). Grunow (1868. 1873. 1915. 1916). J. Agardh (1886). Foslie (1906. 1929). Brand (1911a. 1911b). Setchell (1922. 1926a. 1926b. 1929) . Taylor (1963). Ducker (1967). Denizot (1968a. 1969. 1972).
Taravai : Weber van Bosse (1910).
Tearia : Foslie (1906. 1929). Weber van Bosse (1910).
Tokaa : Weber van Bosse (1910).
Tuamotu : Denizot (1968a). Chaine (1982).
Tureia : Denizot (1972).
Tubuai : Denizot (1980). Brousse et al. (1980).
Vairatua : Denizot (1972).
Vavao : Denizot (1967, 1972, 1980).

4 REFERENCES

- Agardh J.G.. 1887-1888. Till Algernas Systematik. Lunds Univ. Ars Skrift. 23. 1-174. 3 Pl.
- Bagnis R.. Denizot M.. 1978. La Ciguatera aux îles Marquises: Aspects humains et biomarins. Cahiers du Pacifique. 21. 293-314.
- Bailey J.W.. Harvey W.H.. 1862. Algae. In: U.S. Exploring expedition 1838-1842. Botany Cryptogamia. Philadelphia. Gray Ed. 17. 153-192. Pl. 1-9.
- Barton E.S.. 1891. A systematic and structural account of the genus Turbinaria Lamx. Trans. Linn. Soc. London (Bot.). 2nd Ser.. 3. 215-226.
- Barton E.S.. 1901. The Genus Halimeda. Monographs of the Siboga Expedition. 60. 1-32. 4 Pl.
- Bory de Saint Vincent J.B.. 1827. Botanique. Agamie. Hydrophytes. In: Duperrey. L.I.. Voyage autour du monde sur "La Coquille" pendant les années 1822-1825. et 1827-1829. Paris. 62-177. Pl. 1-24.

- Bou Karam-Kerimian T., 1976. Structure, reproduction et discussion sur la position systematique du genre Gibsmithia (Rhodophyceae). Bull. Mus. natn. Hist. nat.. Paris. 3ème sér., Botanique 25 (365). 21-32.
- Brand F.. 1911a. Über einege neue Grunalgen aus Neuseeland und Tahiti. Ber. dtsch. Bot. Ges.. 29, 138-145? Pl. 7.
- Brand F.. 1911b. Über die Siphonengattung Chlorodesmis. Ber. dtsch. Bot. Ges.. 29, 606-611.
- Brousse R.. Chevalier J.P.. Denizot M.. Richier de Forges B.. Salvat B.. 1980. Etude géomorphologique de l'île Tubuai (Australes). Cahiers de l'Indo-Pacifique. S.M.C.B.-Fondation Singer Polignac Ed.. 1 . 1-54.
- Brousse R.. Chevalier J.P.. Denizot M.. Salvat B.. 1974. Etude géomorphologique des îles Gambier. Cahiers du Pacifique. 18 , 9-120.
- Chaine M.. 1982. Etude des Cyanophycées poussant sur substrat neufs artificiels en Polynésie française (Tuamotu). D.E.A. Université des Sciences et des Techniques du Languedoc Montpellier Ed.. 1-55. 2 Pl.
- Chevalier J.P.. Denizot M.. 1979. Les organismes constructeurs de l'atoll de Takapoto. J. Soc. Océanistes. 62 (35). 31-34.
- Chevalier J.P.. Denizot M.. Mougin J.. Plessis Y.. Salvat B.. 1968. Etude géomorphologique et bionomique de l'atoll de Mururoa (Tuamotu). Cahiers du Pacifique. 12. 1-144. 24 Pl.
- Chevalier J.P.. Denizot M.. Ricard M.. Salvat B.. Sournia A.. Vasseur P.. 1979. Géomorphologie de l'atoll de Takapoto. J. Soc. Océanistes. 62 (35). 9-15. 3 Pl.
- Denizot M.. 1963. Les algues marines des récifs coralliens et leur milieu. Sciences et Nature. 59 . 34-42.
- Denizot M.. 1967. Interet Biogéographique de quelques algues marines. C. R. Soc. Biogéogr. . 381 . 10-14.
- Denizot M.. 1968a. Les algues floridées encroutantes (à l'exclusion des Corallinacées). Thèse d'état . 1-310.
- Denizot M.. 1968b. Morphologie terrestre et sous marine. Flore benthique de la Mélanésie et de la Polynésie française. Rap. Lab. Cryptogamie Mus. Natn. Hist. Nat. Paris . 1-41.
- Denizot M.. 1968c. Les algues en Polynésie. Bull. Soc. Océanistes . 14 (165). 119-130.
- Denizot M.. 1969. Introduction de quelques algues en Polynésie et variations saisonnières. Bull. Soc. Phycol. Fr. . 13-14. 33-34.
- Denizot M.. 1971. La végétation terrestre et sous marine des atolls. Ann. Soc. Horticulture Hist. Nat. Hérault . 111 (4). 133-136.
- Denizot M.. 1972. Sur le rôle constructeur des algues en Polynésie française. Proc. 1st. Int. Corals and Coral Reefs Symp.. Mar. Biol. Assoc. India . Cochin Ed... 497-505.
- Denizot M.. 1980. La végétation algale de Tubuai. Cahiers de l'Indo-Pacifique. S.M.C.B.-Fondation Singer Polignac Ed.. 241-254.
- Doty M.S.. 1954a. Floristic and ecological notes on Raroia. Atoll Res. Bull. . 33. 1-41.
- Doty M.S.. 1954b. Distribution of the Algal Genera Rhipilia and Sargassum in the central Pacific. Pacific Sc. . 8 (3). 367-368.
- Doty M.S.. Morrison J.P.E.. 1954. Interrelationship of the organisms on Raroia aside from man. Atoll Res. Bull. . 35. 1-614.
- Ducker S.C.. 1967. The Chlorodesmis (Chlorophyta) in the Indo-Pacific region. Nova Hedwigia . 8 (1-2). 145-182. Pl. 26-43.
- Farghaly M.S.. Denizot M.. 1979. Le genre Rhipiliopsis définition et place dans les Caulerpales (Chlorophycées). Rev. Alg.. N.S. . 14 (2). 169-184.
- Foslie M.H.. 1903. The Lithothamnia of the Maldives and Laccadives. The Fauna and Geography of Maldivian and Laccadive Archipelago. ed. St. Gardiner Cambridge . 1. 400-471, Pl. 24-25.

- Foslie M.H.. 1906. Algologiske notiser. Kgl. Norske Vidensk. Selsk. Skrifter. 8. 1-34.
- Foslie M.. 1929. Contributions to a monography of Lithothamnia. Det. Kong. Norske Vidensk. Selsk. Musect Trondhjem Printz Ed.. 1-60. 75 Pl.
- Galzin R.. 1977. Richesse et productivité des écosystèmes lagunaires et récifaux. Applications à l'étude dynamique d'une population de Pomacentrus nigriceps du lagon de Moorea (Polynésie française). Thèse de troisième cycle. Université des Sciences et des Techniques du Languedoc Ed.. 1-153.
- Gepp A.. Gepp E.S. 1911. The Codiaceae of the Siboga Expedition including a monograph of Flabellariae and Udoteae. Monographs of the Siboga Expedition. 62. 1-150. 22 Pl.
- Grunow A.. 1867-1868. Reise seiner majestät der Österreichischen Fregate Novara. Botanischer Theil I. Band: Algen. Wien. 1-104.
- Grunow A.. 1873-1874. Algen der Fidschi Tonga und Samoa inseln gesamelt von Dr. E. Graeffe. erste folge. Phaeosporeae. Fucoideae und Florideae. Journ. Mus. Godeffroy. Hamburg. 3 (6). 23-50.
- Grunow A.. 1915. Additamenta ad cognitionem Sargassorum. Verh. Kaiserl. Zool. Bot. Gesellsch. Wien. 65. 325-448.
- Grunow A.. 1916. Additamenta ad cognitionem Sargassorum. Verh. Kaiserl. Zool. Bot. Gesellsch. Wien. 66. 1-48 and 136-185.
- Guilcher A.. Denizot M.. Berthois L.. 1966. Sur la constitution de la crête externe de l'atoll de Mopelia ou Maupihaa (Île de la Société) et de quelques autres récifs voisins. Cahiers Ocean. Paris. 18 (10). 851-856.
- Harvey W.H.. Bailey J.W.. 1851. Description of seventeen new species of Algae collected by the U.S. Exploring Expedition. Proc. Boston Soc. Nat. Hist.. 3. 370-373.
- Jaubert J.. Meinesz A.. 1981. Light dependent growth forms of Caulerpa urvilleiana Montagne in the lagoon of the atoll of Takapoto (French Polynesia). Proc. 4th Int. Coral Reef Symp.. 2. 425-429.
- Jaubert J.. Thomassin B.A.. Vasseur P.. 1976. Morphologie et étude bionomique préliminaire de la pente externe du récif de Tiahura. île de Moorea (Polynésie française). Cahiers du Pacifique. 19. 299-323.
- Meinesz A.. 1980a. Sur la reproduction de l'Udotea javensis A. and E.S. Gepp (Udotéacée. Caulerpale). Phycologia. 19 (1). 82-84.
- Meinesz A.. 1980b. Connaissances actuelles et contribution à l'étude de la reproduction et du cycle des Udotéacées (Caulerpales. Chlorophytes). Phycologia. 19 (2). 110-138.
- Meinesz A.. Jaubert J.. Denizot M.. 1981. Distribution of the algae belonging to the genus Caulerpa in french Polynesia (Atoll of Takapoto and island of Moorea). Proc. 4th. Int. Coral Reef Symp.. 2. 431-437.
- Montagne M.C.. 1842. Prodomus. Generum specierumque phycearum novarum. in itinere ad polum antarticum. Gide and Cie Ed. Paris. 1-16.
- Montagne M.C.. 1845. Plantes cellulaires. In: Voyage au pôle Sud et dans l'Océanie sur les corvettes l'Astrolabe et la Zélée. Botanique par MM. Hombron et Jacquinot. Gide and Cie Ed. Paris. 1
- Moul E.T.. 1964. New records of Halimeda and Udotea from the Pacific area. Atoll Res. Bull.. 106. 1-10.
- Naim O.. 1980a. Etude qualitative et quantitative de la petite faune associée aux algues du lagon de Tiahura. île de Moorea. Polynésie française. Thèse de troisième cycle. Université de Paris 6 Ed.. 1-105. 2 annexes.
- Naim O.. 1980b. Etude de la faune malacologique associée aux algues du lagon de Tiahura. Île de Moorea. Polynésie française. Haliotis. 10 (2). 178.

- Naim O., 1980c. Bilan qualitatif et quantitatif de la petite faune associée aux algues du lagon de Tiahura, île de Moorea, Polynésie française. C. R. Acad. Sci. Paris, D, 291, 549-551.
- Naim O., Amoureaux L., 1982. Le peuplement d'Annelides Polychètes mobiles associé aux algues d'un récif corallien Polynésie française (île de Moorea, Archipel de la Société). Bul. Ecol., 13 (1), 25-33.
- Newell N.D., 1956. Geological reconnaissance of Raiatea (Kon tiki) atoll. Tuamotu Archipelago. Bull. amer. Mus. nat. Hist., N.Y., 109 (3), 311-372.
- Newhouse J., 1954. Ecological and floristic notes on the Mixophyta of Raiatea. Atoll Res. Bull., 33, 42-54.
- Payri C.E., 1982. Les macrophytes du lagon de Tiahura (île de Moorea, Polynésie française). Thèse de troisième cycle, Université des Sciences et des techniques du Languedoc, 1-260.
- Payri C.E., 1984. Variations biologiques et morphologiques en fonction du milieu chez Turbinaria ornata (Turner) J.Agardh (Pheophycées) du récif de Tiahura - Île de Moorea - Polynésie Française. Bot. Mar., 27, 327-338.
- Payri C.E., Naim O., 1982. Variations entre 1971 et 1980 de la Biomasse et de la composition des populations de macroalgues sur le récif corallien de Tiahura (Île de Moorea, Polynésie française). Cryptogamie: Algologie, 3 (3), 229-240.
- Ranson G., 1962. Missions dans le Pacifique, récifs coralliens, huitres perlières. Paul Chevallier Ed.. 1-94, 47 Pl.
- Setchell W.A., 1922. A reconnaissance of the vegetation of Tahiti with the special reference to that of the reef. Carnegie Inst. Washington Yearbook. 21, 180-187.
- Setchell W.A., 1926a. Tahitian Algae collected by W.A. Setchell. C.B. Setchell and H.E. Parks. Univ. Calif. Pub. Bot., 12 (5), 61-142. Pl. 7-22.
- Setchell W.A., 1926b. Phytogeographical notes on Tahiti. II. Marine vegetation. Univ. Calif. Pub. Bot., 12, 291-324.
- Setchell W.A., 1929. The genus Microdictyon. Univ. Calif. Publ. Bot., 14 (20), 453-588.
- Seurat L.G., 1934. La faune et le peuplement de la Polynésie française. Mem. Soc. Biogeogr. Paris, 4, 41-74.
- Sournia A., 1976a. Oxygen metabolism of a fringing reef in french Polynesia. Helgoland. Wiss. Meeresunt. Kiel, 28, 401-410.
- Sournia A., 1976b. Ecologie et productivité d'une Cyanophycée en milieu corallien: Oscillatoria limosa Agardh. Phycologia, 15 (3-4), 363-366.
- Taylor W.R., 1963. The genus Turbinaria in eastern seas. J. Linn. Soc. (Bot.), 58 (375), 475-487, 3 Pl.
- Tsuda R.T., Wray F.O., 1977. Bibliography of Marine Benthic Algae in Micronesia. Micronesica, 13 (1), 85-120.
- Weber van Bosse A., 1898. Monographie des Caulerpes. Ann. Jard; Bot. Buitenzorg, 15 (2), 243-401. Pl. 20-34.
- Weber van Bosse A., 1910. Note sur les Caulerpa de l'île Taiti et sur un nouveau Caulerpa de la nouvelle Hollande. Ann. Inst. Océanogr. Monaco, 2 (1), 1-8, 2 Pl.