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**THE NEW CLASSIFICATION OF GASTROPODS ACCORDING
TO BOUCHET & ROCROI, 2005**

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The New Classification of Gastropods according to Bouchet & Rocroi, 2005

A practical adaptation for conchologists, malacologists and shell collectors.

Guido T. Poppe & Sheila P. Tagaro

The Volume 47 of Malacologia (2005) counts 397 pages, entirely dedicated to the new “Classification and Nomenclator of Gastropod Families” by Philippe Bouchet & Jean-Pierre Rocroi.

The work drastically changes existing systematics and is an important step in gastropod nomenclature. As each change needs a lot of adaptations of the mind, research and courage, we here attempt to resume Bouchet & Rocroi’s majestic achievement so that workers in the field get an easy access and memory guide to the new classification.

Volume 47 of Malacologia is indispensable in any library of significance and can be acquired from Klaus & Christina Groh, Germany: conchbooks@conchbooks.de

An overview with notes on the changes and topics that will be followed by Conchology, Inc. is given below.

As our company and most registered members of Conchology, Inc. are mainly concerned with recent Mollusca, we filtered out the numerous fossil families.

In **BOLD**: families of importance to collectors

In **BLUE**: remarks

In **RED**: families we maintain – not as in Bouchet & Rocroi.

Clade Patellogastropoda

SPF (=Superfamily) Patelloidea
Patellidae

SPF Nacelloidea

Nacellidae – this is new,
before either in
Patellidae or
Lottiidae or
Acmaeidae.

SPF Lottioidea

Lottiidae
Acmaeidae
Lepetidae

SPF Neolepetopsoidea
Neolepetopsidae

Clade Vetigastropoda

SPF not assigned:

Ataphridae
Pendromidae

SPF Fissurelloidea

Fissurellidae

SPF Haliotoidea

Haliotidae

SPF Leptelloidea

Lepetellidae
Addisoniidae
Bathyphytophilidae
Caymanabyssidae
Cocculinellidae
Osteopeltidae
Pseudococculinidae
Pyropeltidae

SPF Leptodrilloidea

Leptodrilidae
Clypeosectidae
Sutilizonidae

SPF Neomphaloidea

Neomphalidae

Melanodrymiidae
 Peltospiridae
 SPF Pleurotomarioidea
Pleurotomariidae
 SPF Scissurelloidea
Scissurellidae
Anatomidae – these were in
 Scissurellidae before.
 SPF Seguenzioidea
Seguenziidae – now well
 defined, before
 found in Trochidae
 etc.
Chilodontidae – before
 in Trochidae, now a
 homogenous family
 of in general heavily
 sculptured dull
 colored shells.
 SPF Trochoidea
Trochidae
Stomatellidae –
 Conchology, Inc.
 maintains this as
 a family – in B & R a
 subfamily of
 Trochidae.
Calliostomatidae – before in
 Trochidae.
Solariellidae – before in
 Trochidae.
 SPF Turbinoidea
Turbinidae
Angariidae – Conchology,
 Inc. maintains this as
 a family – in B & R
 as a subfamily
 Turbinidae.
Skeneidae – Conchology,
 Inc. maintains this as
 a family – in B & R
 as a subfamily of
 Turbinidae
Liotiidae – before often
 called Cyclostre-
 matidae - now well
 defined.

Phasianellidae – now
 contains also the
Tricolia (formerly
 Tricoliidae)

Clade Cocculiniformia

SPF Cocculinoidea
Cocculinidae

Clade Cycloneritimorpha

SPF Helicinoidea
Helicinidae
 Neritiliidae
 Proserpinellidae
 Proserpinidae

SPF Hydrocenoidea
Hydrocenidae

SPF Neritoidea
Neritidae
Phenacolepadidae

SPF Neritopsoidea
Neritopsidae
 Titiscaniidae

Zygopleuroid Group : Abysochrysidae

Informal group Architaenioglossa

SPF Ampullarioidea
Ampullariidae

SPF Cyclophoroidea
Cyclophoridae
Aciculidae
Craspedopomatidae
Diplommatinidae
Maizanidae
Megalomastomatidae
Neocyclotidae
Pupinidae

SPF Viviparoidea
Viviparidae

Clade Sorbeconcha

SPF Cerithioidea

Cerithiidae**Batillariidae** – formerly in
Cerithiidae.**Dialidae** – formerly in
Cerithiidae.**Diastomatidae****Litiopidae****Melanopsidae****Modulidae****Pachychilidae** – formerly in
Potamididae or
Thiaridae (e.g.
Faunus ater).

Paludomidae

Planaxidae – now also
contains Fossarinae.**Pleuroceridae****Potamididae**

Scaliolidae

Siliquariidae**Thiaridae****Turritellidae** – now also
contains Vermiculariinae.

SPF Campaniloidea

Campanilidae**Ampullinidae****Plesiotrochidae**

Clade Littorinimorpha

SPF Calyptraeidea

Calyptraeidae

SPF Capuloidea

Capulidae

SPF Cingulopsoidea

Cingulopsidae**Eatoniellidae**

Rastodentidae

SPF Cypraeoidea

Cypraeidae**Ovulidae** – now contains
Jenneriinae and
Pediculariinae.

SPF Ficoidea

Ficidae

SPF Littorinoidea

Littorinidae – now contains
Lacuninae.**Pickworthiidae****Pomatiidae****Skeneopsidae**

Zerotulidae

SPF Naticoidea

Naticidae

SPF Pterotracheoidea

Pterotracheidae

Atlantidae**Carinariidae**

SPF Rissoidea

Rissoidae**Amnicolidae** – now contains
Baicaliinae.

Anabathridae

Assimineidae**Barleeiidae****Bithyniidae****Caecidae**

Calopiidae

Cochliopidae

Elachisinidae

Emblandidae

Epigridae

Falsicingulidae

Helicostoidae

Hydrobiidae

Hydrococcidae

Iravadiidae**Lithoglyphidae**

Moitessieriidae

Pomatiopsidae**Stenothyridae****Tornidae** – now contains
Vitrinellinae.**Truncatellidae**

SPF Stromboidea

Strombidae**Aporrhaidae****Seraphidae** – Formerly in
Strombidae.For *Terebellum*.**Struthiolariidae**

SPF Tonnoidea

Cassidae – Conchology,
Inc. maintains this
as a family – in
B & R a subfamily of
Tonnidae.

Tonnidae
Bursidae
Laubierinidae
Personidae
Pisanianuridae – formerly
in **Ranellidae**.
Ranellidae

SPF Vanikoroidea

Vanikoridae
Haloceratidae
Hipponicidae

SPF Velutinoidea

Velutinidae – now contains
Lamellariinae.
Triviidae – now contains
Eratoinae.

SPF Vermetoidea

Vermetidae

SPF Xenophoroidea

Xenophoridae

“Group” Ptenoglossa

SPF Epitonioidea

Epitoniidae
Janthinidae
Nystiellidae

SPF Eulimoidea

Eulimidae
Aclididae

SPF Triphoroidea

Triphoridae
Cerithiopsidae
Newtoniellidae

Clade Neogastropoda

SPF Buccinoidea

Buccinidae – now contains
Busyconinae.
Colubrariidae – formerly in

Buccinidae.

Columbellidae
Fasciolariidae
Nassariidae
Melongenidae

SPF Muricoidea

Muricidae
Babyloniidae – formerly in
Buccinidae.
Costellariidae
Cysticidae – formerly in
Marginellidae.

Harpidae
Marginellidae

Mitridae
Pleioptygmatidae
Strepsiduridae

Turbinellidae – now
contains
Columbarinae.

Volutidae
Volutomitridae

SPF Olivoidea

Olividae
Olivellidae – formerly in
Olividae.

SPF Pseudolivoidea

Pseudolividae – formerly in
Olividae.

Ptychatractidae

SPF Conoidea

Conidae – now contains
the following
subfamilies that
were formerly in
Turridae: **Clathurel-**
linae, **Conorbinae**,
Mangeliinae, **Oeno-**
potinae & **Raphi-**
tominae. Conchology,
Inc. will continue
to use “**Conidae**” as
before and group the
above subfamilies in

Conidae cf.
Clavatulidae – formerly in
Turridae.

	Drilliidae – formerly in Turridae.	Informal group Opisthobranchia
	Pseudomelatomidae – formerly in Turridae.	Clade Cephalaspidea
	Strictispiridae – formerly in Turridae.	SPF Bulloidea
	Terebridae	Bullidae
	Turridae	SPF Diaphanoidea
SPF Cancellarioidea	Cancellariidae	Diaphanidae
		Notodiaphanidae
		SPF Haminoeidea
		Haminoeidae
Clade Heterobranchia		Bullactidae
		Smaragdinellidae
	Unassigned to SPF	SPF Philinoidea
	Cimidae	Philinidae
	Orbistellidae	Aglajidae
	Tjaernoeyidae	Cylichnidae
	Xylodisculidae	Gastropteridae
SPF Acteonoidea	Acteonidae	Philinoglossidae
	Aplustridae – formerly placed in Hydatinidae.	Plusculidae
	Bullinidae	Retusidae
SPF Architectonicoidea	Architectonicidae	SPF Runcinoidea
SPF Glacidorboidea		Runcinidae
	Glacidorbidae	Ibidae
SPF Mathildoidea		
	Mathildidae	Clade Thecosomata
SPF Omalogyroidea	Omalogyridae	SPF Cavolinioidea
SPF Pyramidelloidea	Pyramidellidae	Cavoliniidae
	Amathinidae	Limacinidae
	Murchisonellidae	SPF Cymbulioidea
SPF Ringiculoidea		Cymbuliidae
	Ringiculidae	Desmopteridae
SPF Rissoelloidea		Peraclidae
	Rissoellidae	
SPF Valvatoidea	Valvatidae	Clade Gymnosomata
	Cornirostridae	SPF Clionoidea
	Hyalogyrinidae	Clionidae
		Cliopsidae
		Notobranchidae
		Pneumodermatidae
		SPF Hydromyloidea
		Hydromylidae
		Laginiopsidae

Clade Aplysiomorpha

SPF Aplysioidea

Aplysiidae

SPF Akerioidea

Akeridae

“Group” Acochliidae

SPF Acochliidoidea

Acochliidae

SPF Hedylopoidea

Hedylopsidae

Ganitidae

Livorniellidae

Minicheviellidae

Parhedyliidae

Tantulida

SPF Palliohedyloidea

Palliohedyliidae

SPF Strubellioidea

Strubelliidae

Pseudunelidae

Clade Sacoglossa

Subclade Oxynoacea

SPF Oxynooidea

Oxynoidae**Juliidae**

Volvatellidae

Subclade Placobranchea

SPF Placobranchoidea

Placobrancheidae

Boselliidae

Platyhedyliidae

SPF Limapontioidea

Limapontiidae

Caliphyllidae

Hermaeidae

“Group” Cylirobulloidea

SPF Cylirobulloidea

Cylirobulloidae

Clade Umbraculida

SPF Umbraculoidea

Umbraculidae**Tylodidae**

Clade Nudipleura

Subclade Pleurobranchomorpha

SPF Pleurobranchoidea

Pleurobranchidae

Subclade Nudibranchia

Unassigned SPF

Rhodopidae

Clade Euctenidiacea

Subclade Gnathodoridacea

SPF Bathydoridoidea

Bathydorididae

Subclade Doridacea

SPF Doridoidea

Dorididae

Actinocyclusidae

Chromodorididae

Discodorididae

SPF Phyllidoidea

Phyllidiidae

Dendrodorididae

Mandeliidae

SPF Onchidoridoidea

Onchidorididae

Corambidae

Goniodorididae

SPF Polyceroidea

Polyceridae

Aegiretidae

Gymnodorididae

Hexabrancheidae

Okadaidae

Clade Nudibranchia Dexiarchia

Clade Pseudoeuctenidiacea

SPF Doridoxoidea	Doridoxidae	SPF Aeolidioidea	Aeolidiidae
Clade Cladobranchia			Facelinidae
			Glaucidae
			Piseinotecidae
Unassigned SPF		Informal Group Pulmonata	
Charcotiidae		Informal Group Basommatophora	
Dironidae			
Dotidae		SPF Amphiboloidea	Amphibulidae
Embletoniidae		SPF Siphonarioidea	Siphonariidae
Goniaeolididae			
Heroidae		Clade Hygrophila	
Madrellidae			
Pinufiidae		SPF Chilinoidea	Chilinidae
Proctonotidae			Latiidae
Subclade Euarminida		SPF Acroloxoidea	Acroloxidae
SPF Arminoidea		SPF Lymnaeoidea	Lymnaeidae
Arminidae		SPF Planorboidea	Planorbidae
Doridomorphidae			Physidae
Subclade Dendronotida		Clade Eupulmonata	
SPF Tritonioidea			
Tritoniidae		SPF Trimusculoidea	Trimusculidae
Aranucidae		SPF Otinoidea	Otinidae
Bornellidae			Smeagolidae
Dendronotidae		SPF Ellobioidea	Ellobiidae
Hancockiidae			
Lomanotidae		Clade Systellommatophora	
Phylliroidae			
Scyllaeidae		SPF Onchidioidea	Onchidiidae
Tethyidae		SPF Veronicelloidea	Veronicellidae
Subclade Aeolidida			Rathousiidae
SPF Flabellinoidea			
Flabellinidae			
Notaeolidiidae			
SPF Fionoidea			
Fionidae			
Calmidae			
Eubranchidae			
Pseudovermidae			
Tergipedidae			

Clade Stylommatophora

Subclade Elasmognatha

SPF Succineoidea

Succineidae

SPF Athoracophoroidea

Athoracophoridae

Subclade Orthurethra

SPF Partuloidea

Partulidae**Draparnaudiidae**

SPF Achatinelloidea

Achatinellidae

SPF Cochlicopoidea

Cochlicopidae**Amastriidae**

SPF Pupilloidea

Pupillidae**Argnidae****Chondrinidae****Lauriidae****Orculidae****Pleurodiscidae****Pyramidulidae****Spelaeoconchidae****Spelaeodiscidae****Strobilopsidae****Valloniidae****Vertiginidae**

SPF Enoidea

Enidae**Cerastidae**

Informal Group Sigmurethra

SPF Clausilioidea

Clausiliidae

SPF Orthalicoidea

Orthalicidae**Cerionidae****Coelociontidae****Megaspiridae****Placostylidae****Urocoptidae**

SPF Achatinoidea

Achatinidae**Ferussaciidae****Micractaeonidae****Subulinidae**

SPF Aillyoidea

Aillyiidae

SPF Testacelloidea

Testacellidae

Oleacinidae

Spiraxidae

SPF Papillodermatoidea

Papillodermatidae

SPF Streptaxoidea

Streptaxidae

SPF Rhytidoidea

Rhytididae**Chlamydephoridae****Haplotrematidae****Scolodontidae**

SPF Acavoidea

Acavidae**Caryodidae****Dorcasiidae****Macrocyclidae****Megomphicidae****Strophocheilidae**

SPF Plectopyloidea

Plectopylidae

Corillidae

Sculptariidae

SPF Punctoidea

Punctidae**Charopidae****Cystopeltidae****Discidae****Endodontidae****Helicodiscidae****Oreohelicidae****Thyrophorellidae**

SPF Sagdoidea

Sagdidae

“Limacoid” clade

SPF Staffordioidea

Staffordiidae

SPF Dyakioidea

Dyakiidae

SPF Gastrodontoidea

Chronidae**Euconulidae****Oxychilidae****Pristilomatidae****Trochomorphidae**

SPF Parmacelloidea

Parmacellidae

Milacidae

Trigonochlamydidae

SPF Zonitoidea

Zonitidae

SPF Helicarionoidea

Helicarionidae

Ariophantidae

Urocyclidae

SPF Limacoidea

Limacidae

Agriolimacidae

Boettgerillidae

Vitrinidae

SPF Arionoidea

Arionidae

Anadenidae

Ariolimacidae

Binneyidae

Oopeltidae

Philomycidae

SPF Helicoidea

Helicidae**Bradybaenidae****Camaenidae****Cepolidae****Cochlicellidae****Elonidae****Epiphragmophoridae****Halolimnohelicidae****Helicodontidae****Helminthoglyptidae****Humboldtianidae****Hygromiidae****Monadeniidae****Pleurodontidae****Polygyridae****Sphincterochilidae****Thysanophoridae****Trissexodontidae****Xanthonychidae**

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