

**Update on Systematic Revisions within the Vetigastropoda
by Linda Schroeder**

I previously wrote an article on the dramatic changes that had occurred within the Clade Vetigastropoda as they pertain to our local Pacific Northwest species. (see *The Dredgings* Vol. 52 No. 6, The article is also posted on our website.) As expected, further studies have been ongoing to clarify some of the relationships. While some of the changes have been reconfirmed by the continuing molecular studies, others have been altered. I will only touch on the new revisions which concern our local species.

The group which has had further changes is the Superfamily Trochoidea. The Families Calliostomatidae, Solariellidae and Trochidae remain the same. In the earlier revision our Margarites and Tegulas had been included in the Family Turbinidae. This had seemed rather strange given that they did not possess calcareous opercula, something which had always been an identifying feature of that family. But further revision has removed them from Turbinidae and actually given them their only families – Margaritidae and Tegulidae.

Superfamily Trochoidea
Family Calliostomatidae
 Subfamily Calliostomatinae
 Genus Calliostoma
Family Margaritidae
 Genus Margarites
Family Solariellidae
 Genus Solariella
Family Tegulidae
 Genus Chlorostoma
 Genus Tegula
Family Trochidae
 Subfamily Umboniinae
 Genus Lirularia
Family Turbinidae
 Subfamily Turbininae
 Genus Pomaulax



Our website now reflects these more recent changes.

References:

- Appeltans W, Bouchet P, Boxshall GA, De Broyer C, de Voogd NJ, Gordon DP, Hoeksema BW, Horton T, Kennedy M, Mees J, Poore GCB, Read G, Stöhr S, Walter TC, Costello MJ. (eds) (2015). *World Register of Marine Species*. Accessed at <http://www.marinespecies.org> on 2015-01-16.
- Schroeder, L. (2012) New Systematic Revisions Within the Vetigastropoda. *The Dredgings* 52(6): 6
- Williams S.T. (2012) Advances in molecular systematics of the vetigastropod superfamily Trochoidea. *Zoologica Scripta* 41(6): 571-595.