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### SUMMARY

The family Architectonicidae consists of three subfamilies, Architectonicinae, Heliacinae and Pseudomalaxinae.

In the subfamily Architectonicinae five Recent species are included in the subgenus *Architectonica* (*Architectonica*); two Recent, three fossil (one new but unnamed) in the subgenus *A.* (*Discotectonica*); two Recent species in the subgenus *A.* (*Solatisationax*); one Recent species in the subgenus *Philippia* (*Philippia*); two Recent and one new fossil species (*Philippia* (*Psilaxis*) *mitchellana* Garrard) in the subgenus *Philippia* (*Psilaxis*); one Recent species is included as Architectonicinae sp.

In the subfamily Heliacinae, six Recent species, one of which (*Heliacus* (*Heliacus*) *hedleyi* Garrard) is new, and one new Recent subspecies (*Heliacus* (*Heliacus*) *cerdaleus ponderi* Garrard) are included in the subgenus *Heliacus* (*Heliacus*); 10 Recent species, one of which (*Heliacus* (*Torinista*) *corallinus* Garrard) is new, and one new fossil species (*Heliacus* (*Torinista*) *darraghi* Garrard) are included in the subgenus *H.* (*Torinista*); one Recent and two fossil species, one of which (*Heliacus* (*Awarua*) *otwayanus* Garrard) is described as new, and the other un-named, are included in the subgenus *H.* (*Awarua*); seven Recent species, one of which (*Heliacus* (*Claraxis*) *colmani* Garrard) is new, two unnamed and three fossil species, one of which (*Heliacus* (*Claraxis*) *morningtonensis* Garrard) is new and one unnamed, are included in the subgenus *H.* (*Claraxis*).

In the subfamily Pseudomalaxinae, two Recent species, including one new species (*Pseudomalaxis* (*Pseudomalaxis*) *thetidis* Garrard) and two fossil species are included in the subgenus *P.* (*Pseudomalaxis*); one Recent species is included in the subgenus *P.* (*Spirolaxis*).

### INTRODUCTION

This revision has been compiled for the purpose of placing on record all Recent and Tertiary fossil species now known to occur in Australia. It must be noted that it is based only on shell morphology, together with opercula where possible. No attempt has been made to include anatomical or biological data as this could not have been obtained from the large majority of the species dealt with herein.

The Architectonicidae, commonly known to collectors as "sundial" shells, is the only family of Gastropoda possessing hyperstrophic protoconchs and broad conical teleoconchs, varying from moderately tall to flatly depressed; all species possess an umbilicus which varies from deep and narrow to very wide and perspective.