186

Family EUCHARITI DAE

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The family Eucharitidae comprises perhaps the most wonderfully shaped chalcids. East of the members of this family are brilliantly coloured and strikingly attractive. Some of them show bizarre form of thoracic scutellum. They are moderate sized individuals and generally measure about \$\mathbf{m}\$ mm in length. Eucharitids are closely related to perilampids and both have the prepecti fused with the lateral parts of pronotum. Eucharitids probably descended from the same ancestral stem that produced the present day perilampids.

Eucharitids have remarkable host relationships. They are parasitic on ants. The eggs are laid on plants and the planidium attaches itself to the worker ants and so are carried into the ant nest where it is transferred to the ant larva.

Historical review. The earlier workers who contributed to the study of Eucharitidae include latreille, Fabricius, Walker, Foerster, Forel, Westwood, Spinola, Ashmead, Kirby, Howard, and Cameron. Later Girault and Ruschka contributed to the study of this family. The recent workers who made substantial contribution include mainly Nikol'skaya, Burks, Bouček and Prinsloo. Eucharitids of the Indian subcontinent were studied by Walker, Forel, Notschulsky, Westwood, Clausen, Masi, Mani, Husain & Agarwal and Narendran. Recently, Hedqvist (1978) published an excellent paper on the Eucharitidae of the Oriental region.

Classification. The family Eucharitidae was known in the past as Eucharidae. This family at present consists of three subfamilies viz. Oraseminae, Eucharitinae and Philomidinae; all represented in the Indian subcontinent. Of the eight genera occurring in the region, reports of the genus EUCHARIS are open to question. The genera EPIMETAGEA Girault and RHIPIPALLUS Kirby were reported from the Indo-Australian region by Hedqvist (1978), but without any species. However, I have included these genera in the key since both Dr. Subba Rao and I believe that they might be present in the Indian subcontinent and will be reported from this region eventually.

KEY TO GENERA, FEMALES AND MALES

 Prepectus greatly enlarged and strongly bulged, appearing on each side of the thorax as two large shoulders; body yellow with dark spots or patches PHILOMIDES Haliday

	repectus and body colour not as in the
	And connact with one or two angles
٠.	fiscd to pronotum anteriorly; mesoscutum not greatly exp-
	with numerous transverse ridges . ORASEMA Cameron fused to pronotum, or separated by a shallow free transport of the service o
	fused to pronotum, or separated by a shallow furrow; meso- scutum large, expanded; ovipositor less often extended
	scutum large, expanded; ovipositor less often extended, long, straight, sometimes with oblique ridges at
	sometimes with oblique missingly,
	Scutellum with a forked process at apex (Fig. 43) 4 Antenna serrate in formal and services at apex (Fig. 45)
	Antenna serrato in 6
	(Fig. 46); stigmal vein moderately long. Derpendicular the marginal vein (Fig. 42)
	The state of the second of the
7	A "TEMPT VELL TRABLOOM (TILE AC)
	stender
	Flagellar segments serrate or normal in female, ramose in
5	males
	Segments neither serrote new first f
800	as long as him entire or rounded; petiols at land
-	
	radoes, upturned: netiolo "" "" "" "Indie Spike-
ŀ	Thorax strongly and 1.
Ì	petiole 2x of hind coxa; funicle segments always serrate Thorax smale and ramose in male
1	
1	
	notauli indistinct or not as in the first alternate: cle segments serrate or ramose only in a few species
1	a lew species
	Ietiole not visible; scuto-scutellar suture absent; antenna lated with the country of the second valuable.
i	11-segmented (1,1,6,3) in female; second valvulae articu- radiate rode
!	radiate rode
	radiate rods
	reviole at least the
J	Petiole at least twice as long as hind coxa; scutellum irreshort, rarely reduced to a pterostigma-like content.
T	
İ	ortiole at most and in the spot
1	long and vertical (Fig. 40)
	Thin AGEA Girault
,	ACKNOW EMPERATION

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