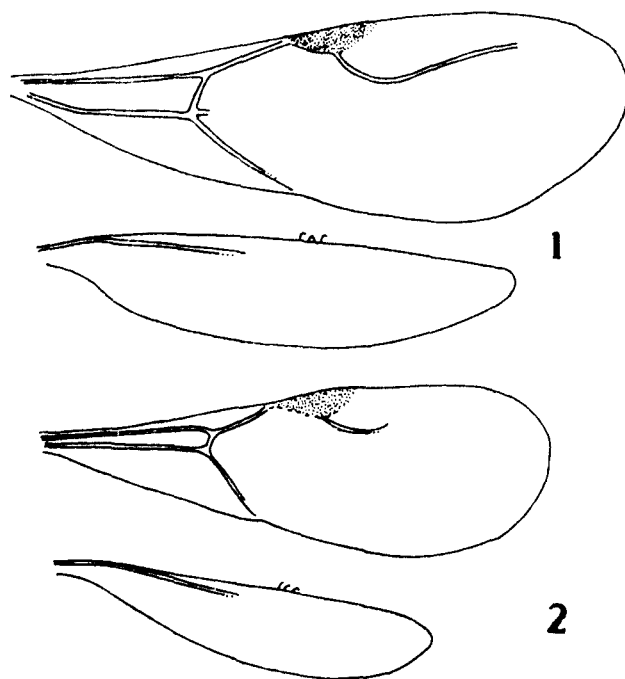


*Queen*

This caste is known for only four *Probolomyrmex* species: *parvus*, *greavesi* sp. n., *angusticeps* M. R. Smith and *boliviensis*; all are figured below. The general habitus is very standard, with interspecific differences parallel to those of the workers, which are known for all these species except *boliviensis*.

Size about as in conspecific workers. Structure and proportions of head capsule, frontoclypeal process, mandibles, labrum, labio-maxillary complex, oral palpi, antennae, legs, petiole and gaster almost exactly as in workers; the scapes proportionately a little shorter and the gaster slightly more voluminous. Compound eyes and ocelli well developed. Mesosoma structurally unreduced. Pronotum large; propleura as in worker. Mesoscutum lacking notauli; parapsidal lines fine but distinct. Profile of mesonotum not indented at trans-scutal suture, which is finely incised. Scutellum



FIGS. 1-2.—*Probolomyrmex* Mayr, wing venation: (1) *P. angusticeps* M. R. Smith, queen; (2) *P. greavesi* sp. n., queen.

shield-shaped, its anterior border straight, dorsal outline (viewed from side) evenly convex. Metanotum moderately convex, not produced into a point like that of the male. Saturation lacking between metepisternum and propodeum; general form of latter as in worker.

Wings (known for two species only) long and narrow, with very reduced venation (figs. 1 and 2). Fore wing with a single closed (median) cell. Hind wing with a single longitudinal vein (probably radius + subcosta) and 3 subapical hamuli and with no trace of an anal lobe. Pilosity, pubescence, sculpturation and colour as in conspecific workers.

*Male*

The only known male of *Probolomyrmex* is a paratype of the Australian *P. greavesi*, which is described below.

General features as in figures 26 and 27. Head subglobose, frontoclypeal region and frontal carinae produced anteriorly as in the female castes. Antennae 13-segmented; scapes relatively long, reaching back to the anterior ocellus; funiculus slightly incrassate, proportions of its segments as shown in figure 26. Mandibles large, triangular, with a single strong apical tooth; masticatory border rounding evenly into posterior one. Palpal formula, maxillary 4: labial 2; proportions of palpomeres as in worker.

Pronotum well developed. Mesonotum lacking notauli; parapsidal lines distinct. Scutellum moderately convex. Metanotum produced into an obtusely pointed median dorsal tooth. Metepisternum separated from propodeum by a strong suture, and itself divided obliquely into anepisternal