The posthumous paper of Hermann Haupt on the classification of the Macromerinae (Haupt, 1959) is an unworthy memorial to its author and an unfortunate step backward in the systematics of spider wasps. Working from very little material and a lack of awareness of research in other parts of the world, Haupt erected 12 new genera, few if any of which are likely to stand the test of time. Two of them actually belong in the subfamily Pompilinae, as synonyms of Priochilus Banks (Evans, 1966), while others will fall in the Pepsinae in most classifications (*Compsagenia, Anapriocnemis*). His inclusion of such diverse elements in the Macromerinae suggests the difficulty in defining the group, which I would rank as a rather weakly characterized tribe of Pepsinae and call the Auplopodini, after the first genus to be used in a suprageneric sense, *Pseudagenia*, now properly called *Auplopus*.

I am not in a position to straighten out all the confusion caused by Haupt's paper, but I wish to consider seven genera which he described from the neotropics, all of which can be promptly relegated to synonymy. There are, however, several remarkable new genera and subgenera of this tribe in South America, which both Haupt and Banks (1946) were unaware of, and I shall use this opportunity to describe these taxa and to present a revised key to neotropical Auplopodini.

I am much indebted to Professor J. O. Hüsing, of the Zoologisches Institut, Halle, for permitting me to borrow some of the specimens that Haupt studied, including several types.

*Pseudageniella* Haupt

*Pseudageniella* Haupt, 1959, pp. 23, 46 (type-species: *Pompilus rusticus* Fabricius, 1804, monotypic and by designation).
I have not seen the type of *rusticus*, but the specimens that Haupt had before him agree perfectly with the type of *Priophanes insolens* Banks, 1946, and they are from the same locality. This is a well-marked and evidently common species, and these specimens agree well with Fabricius' description. I therefore do not hesitate to consider *insolens* Banks a synonym of *rustica* Fabricius (new synonymy). Townes (1957) places *insolens* in *Ageniella*, subgenus *Ameragenia*, an assignment with which I concur; thus *Pseudageniella* Haupt falls as a synonym of *Ameragenia* Banks, 1945 (new synonymy). In his key, Haupt states that this genus is from the Ne-arctic region, an obvious error, since he states on p. 46 that his material is from Brazil.

*Allageniella* Haupt


Haupt separated this genus from the preceding on exceedingly minor characters, and in fact his *obsoleta* and his specimens of *rustica* differ primarily in size and coloration. I have compared the type specimen of *obsoleta* Haupt with that of *Priophanes plagosa* Banks, 1946, and found them to be conspecific; again, both are from the same locality. Townes (1957) also places *plagosa* in *Ageniella*, subgenus *Ameragenia*. Thus *Allageniella* is to be regarded as a synonym of *Ameragenia* Banks, *obsoleta* a synonym of *plagosa* Banks (new synonymies).

*Brachyagenia* Haupt


By comparison of type specimens, *B. nigra* is to be regarded as a synonym of *Ameragenia thione* Banks, 1946; *Brachyagenia* thus represents still another synonym of *Ameragenia* Banks (both new synonymies).

*Parageniella* Haupt

*Parageniella* Haupt, 1959, pp. 26, 61 (type-species: *Priocnemis rufosomoratus* Taschenberg, 1869, monotypic and by designation).

The type-species is a well-marked Argentinian form and I have little doubt that Haupt and Banks identified it correctly. Banks placed *rufosomorata* in *Priophanes*, but like most of Banks' South
American *Priophanes* the species will run to *Ameragenia* in Townes' (1957) key. I would regard *Parageniella* as still another synonym of *Ameragenia* (new synonymy).

**Cosmagenia Haupt**

*Cosmagenia* Haupt, 1959, pp. 28, 63 (type-species: *Agenia amabilis* Taschenberg, 1869, by designation).

I have studied Haupt's material of *amabilis* and found it conspecific with *Ageniella amoena* Banks, 1946. Since Haupt presumably had access to Taschenberg's types, it seems safe to place *amoena* in the synonymy of *amabilis* (new synonymy). This species is properly placed in the genus *Priocnemella* Banks, 1925, and *Cosmagenia* can thus be relegated to the synonymy of that genus (new synonymy).

**Compsagenia Haupt**

*Compsagenia* Haupt, 1959, pp. 29, 66 (type-species: *Compsagenia laevis* Haupt, 1959, monotypic and by designation).

Study of the type specimen of *laevis* shows it to be conspecific with *Nannochilus obscurus* Banks, 1946 (new synonymy). Townes (1957) has correctly placed *Nannochilus* in the synonymy of *Minagenia* Banks, 1934, and *Compsagenia* Haupt should now be added to the list (new synonymy). Since *laevis* Cresson, 1869, also belongs to this genus, Haupt's *laevis* is both a homonym and a synonym. Townes assigns *Minagenia* to the subfamily Ceropaliniae, tribe Minageniini. I would assign it to the Pepsinae, but I do not pretend to understand how the genera should be grouped within that subfamily; at any rate *Minagenia* does not belong in the Auplopodini.

**Anapriocnemis Haupt**


*P. flavipes* is a well known Chilean species which has been assigned by Townes (1957) to the genus *Priocnemis*, subgenus *Sphictostethus* Kohl, along with the other two species assigned by Haupt to *Anapriocnemis*. Since the type of *Sphictostethus* has a brachypterous female, it might be argued that *flavipes* is not correctly assigned to that subgenus (though I would not so argue); in any case *Anapriocnemis* may be placed in the synonymy of *Priocnemis* Schiödte,
which is placed in the Pepsini in Townes’ classification (new synonymy).

**Mystacagenia, new genus**

*Type-species.* — *M. variegata*, new species

*Generic characters.* — Females with the general features of *Ageeniella*, including wing venation (shown in Fig. 2); males unknown. Length of known species 5.5-8.5 mm; variously colored, with banded wings. Maxillary palpi very long, capable of reaching apex of front coxa; mentum with a few thin setae; mandibles with a basal swelling just below which there is a group of long, pale setae which overly and partially conceal the mandible; mandibles slender apically, with a small tooth on the inner margin that is strongly set off from the shaft. Labrum partially exposed, with a deep median notch; clypeus about as wide as lower face; malar space well developed, at least half as long as width of mandibles at their base; antennae unusually slender (Figs. 1, 3). Propodeum sloping evenly, its surface smooth and devoid of setae; legs devoid of setae except for very minute ones on the tibiae and tarsi; claws dentate. First abdominal segment hourglass shaped at extreme base; last segment bearing a number of setae, without a smooth pygidial area.

**Key to species (females)**

1. Front of head, including mouthparts, white in color; vertex bearing several strong, curved, white setae just behind the ocelli (Fig. 3); hind wings with a subapical band .......... ......................................................... *albiceps*, new species

Front of head largely ferruginous; vertex without prominent setae; hind wings hyaline ....................... 2

2. Abdomen largely fuscous except basal and apical segments white; fore wings hyaline, with a strong band below the stigma and a narrow band over the transverse median vein; length of fore wing 5 mm ................................................. *bellula*, new species

Abdomen with all segments irregularly blotched with brown and white; fore wings opaque whitish, crossed by three brown bands, the outer two connected above; length of fore wing 7.5 mm ......................................................... *variegata*, new species

**Mystacagenia variegata**, new species

*Holotype,* — ♀, Nova Teutonia, Santa Catarina, Brazil, 21 Jan. 1956 (Fritz Plaumann) [Coll. H. K. Townes, Ann Arbor, Mich.].
Fig. 1. Anterior view of head of *Mystacagenia variegata* n. sp., type ♀. Fig. 2. Wings of same specimen, color pattern not shown. Fig. 3. Anterior view of head of *M. albiceps* n. sp., type ♀. Fig. 4. Wings of *Dimorphagenia naumanni* n. sp., allotype ♂. Fig. 5. Mandible of same specimen. Fig. 6. Mandible of *Agensiella (Cyrtagenia) innuba* n. sp., type ♀. Fig. 7. Lateral view of head of same specimen. Fig. 8. Subgenital plate of *Dimorphagenia naumanni* n. sp., type ♂. Fig. 9. Genitalia of same specimen, ventral aspect.
Evans — Neotropical Pompilidae

Description. — Length 8.4 mm; fore wing 7.4 mm. Head light rufous, with a pair of black spots on upper front; front and temples with a reticulate pattern of white; malar space, mandibles, and labrum mostly white; thoracic dorsum mainly light rufous, sides with broad streaks of light rufous and white, also some black on posterior parts of mesopleura and metapleura; propodeum white, with a pair of broad, longitudinal black bands; abdomen mainly whitish or somewhat cream in color, tergite 1 with a small amount of black laterobasally and medioapically, tergites 2-5 with much black basally, tergite 6 mostly pale; venter mostly pale, but all pale markings of abdomen irregularly tinged with brown; antennae stramineous and partially infuscated on basal 0.3, again at basal vein, this band connected through the first submarginal cell with another band partially crossing the wing at the second submarginal; hind wings hyaline. Body with pale, inconspicuous pubescence; erect setae absent except on clypeus, mouthparts, venter and apex of abdomen.

Clypeus 3 × as wide as high, its apical margin sinuate, with a broadly rounded median lobe; front broad, middle interocular distance 0.60 × head width; upper interocular distance 0.70 × lower interocular distance; vertex very weakly arched between eye tops, subcarinate behind ocelli; postocellar line : ocello-ocular line = 4:5; antennae very slender, third segment 6.6 × as long as its apical width, 1.2 × upper interocular distance (Fig. 1). Pronotum rather flat dorsally, its posterior margin broadly angulate; postnotum widened at the midline; wing venation shown in Fig. 2.

Mystacagenia bellula, new species

Holotype. — ♀, Avispas, 30 mi. from Marcapata, Cusco, Peru, 1-15 Oct. 1962 (Luis Peña) [Coll H. K. Townes, Ann Arbor, Mich.].

Description. — Length 6.2 mm; fore wing 4.7 mm. Head testaceous to somewhat orange, with small dark blotches at center of inner eye margins and a larger dark blotch in front of anterior ocellus; temples, malar space, and area below antennal sockets more or less white; mandibles, labrum, and palpi white; thorax and propodeum rufous except propodea and anterior corners of pronotum white; abdomen dark brown except all of segments 1 and 6 and much of sternite 5 contrastingly white; scape white, flagellum white on basal half, testaceous on apical half, streaked with fuscos on lower surface throughout; legs white, with a complex pattern of dark brown and a small amount of rufous at base of middle and hind
coxae. Wings clear hyaline, fore wing with a brown band over transverse median vein (weakly extended along basal vein) and a much broader brown band nearly crossing wing at stigma. Body pubescence very fine and inconspicuous; body with scarcely any erect hairs except for those on mandibles, a few on clypeus, and some thin ones on apex and venter of abdomen.

Clypeus 2.7 × as wide as high, shaped as in the preceding species; front less broad than in variegata, middle interocular distance .55 × head width; upper interocular distance .73 × lower interocular distance; vertex very weakly arched above eye tops; postocellar line: ocello-ocular line = 6:7; antennae very slender, third segment 6 × as long as its apical width, 1.2 × upper interocular distance. Pronotal disc rather flat, very short, posterior margin broadly angulate; metanotum angularly projecting backward medially; midline of propodeum weakly impressed; wing venation differing from that of variegata in no important details.

**Mystacagenia albiceps**, new species

*Holotype.* — ♀, Avispas, 30 mi. from Marcapata, Cusco, Peru, 1-15 Oct. 1962 (Luis Peña) [Coll. H. K. Townes, Ann Arbor, Mich.].

*Description.* — Length 5.6 mm; fore wing 4.5 mm. Head and mouthparts entirely white except vertex and occiput blotched with testaceous; thorax and propodeum predominantly rufotestaceous, blotched with fuscous across much of pronotal disc, center of mesoscutum, base and apex of scutellum, along pleural sutures, and over most of venter; abdomen rufotestaceous, blotched with fuscous on sides of tergites 1-4, tergites 2 and 3 also with small lateral white spots; scape mostly white, flagellum brown, darkened toward apex; legs mostly rufotestaceous, coxae blotched with fuscous, apices of femora and most of tibiae blotched with fuscous and annulated with white. Wings hyaline except hind wing with a preapical brown band, apex clear; fore wing brownish at base, across basal and transverse median veins, and in a broad band below stigma, the last band extended along radial vein. Pubescence delicate, inconspicuous; clypeus with several white setae in addition to the tufts on the mandibles, ocellar area also with several strong, curved, white setae; scutellum and apex and venter of abdomen with sparse, weaker setae.

Clypeus 2.4 × as wide as high, apical margin weakly convex; head subcircular in anterior view; middle interocular distance .60 × head width; upper interocular distance .68 × lower interocular dis-
tance; vertex strongly elevated above eye tops, especially at ocellar
triangle; postocellar line: ocello-ocular line = 2:1; third antennal
segment 7.5 × as long as its apical width, 1.1 × upper interocular
distance (Fig. 3). Pronotum short, disc sloping and with no flat
dorsal surface; postnotum transverse, not projecting backward medi-
ally. Wing venation similar to that of variegata but stigma unus-
ually wide, third submarginal cell smaller, only 1.5 × as wide as
high, removed from wingtip by twice its own width.

Dimorphagienia, new genus

Type-species. — D. naumanni, new species.

Generic characters. — With the general features of the Auplo-
podini, including the wing venation (shown in Fig. 4) and the form
of the first abdominal segment; length 7-10 mm; wings unbanded,
lightly tinged with brown. Female: maxillary palpi of moderate
length; mentum with a number of strong setae arising near base and
directed forward, much as in Auplopus; mandibles slender, with
scattered, strong bristles (Fig. 5); labrum wholly concealed; clypeus
not extending under lower margins of eyes; malar space about one
third as long as width of mandibles at their base; temples well de-
veloped, not strongly receding, nearly as wide as eyes; vertex ex-
tended well above eye tops; ocellar triangle located well before
vertex crest; propodeum with smooth contours, slope low and even;
legs relatively smooth, but middle and hind tibiae bearing numerous
spines of moderate length; claws dentate, tooth arising rather close
to outer ray; apical tergite with a flat pygidial area which is devoid
of setae but is minutely punctate and shagreened. Male (Fig. 10):
head remarkably enlarged, much wider than thorax, vertex far above
eye tops and ocelli, temples much wider than eyes; malar space about
half as long as width of mandibles at their base; antennae elongate,
capable of reaching middle of abdomen; tarsal claws and spines of
tibiae as in female; first abdominal segment much expanded from the
base, but with no evidence of a lateral seam. Subgenital plate tongue-
shaped, midline only weakly elevated (Fig. 8); genitalia with the
basal hooklets absent, parameres elongate, digiti broad and abruptly
truncate apically (Fig. 9).

Remarks. — This genus is most closely related to Auplopus, dif-
fering in the less strongly petiolate abdomen (especially in the male),
the less well defined pygidial area, presence of a short malar space,
broad clypeus with a slightly concave apical margin, and several
other features. The male genitalia differ in no important details
from those of Auplopus.
Dimorphagena naumanni, new species


Description of male type. — Length 7 mm; fore wing 6 mm. Entire body testaceous except center of front and (to a lesser degree) vertex blotched with medium brown; legs wholly testaceous; antennae testaceous darkened to medium brown beyond basal third, flagellar segments narrowly ringed with fuscous apically. Wings very lightly tinged with brown; stigma testaceous. Pubescence pale, inconspicuous. Body largely devoid of erect setae except for strong bristles on clypeus and mandibles, scattered setae on front, vertex, and thoracic dorsum (but not propodeum), and numerous short setae toward apex of abdomen.

Clypeus 2.8 X as wide as high, apical margin weakly concave; middle interocular distance .68 X head width, 1.4 X eye height; upper and lower interocular distances subequal; postocellar line:
ocello-ocular line = 2:5; in lateral view, distance from eye tops to vertex crest .7 × eye height, temples about 1.5 × eye width; third antennal segment 4.3 × as long as wide, equal to slightly less than half upper interocular distance. Maximum width of thorax only .7 that of head; pronotum weakly expanded dorsally, its midline depressed. Wing venation as in female; terminalia as figured (Figs. 8, 9); lateral view of body shown in Fig. 10.

Allotype. — ♀, same data as type except dated 3 July 1971 [Mus. Comp. Zool.].

Description of female allotype. — Length 10 mm; fore wing 8 mm. Head, thorax, and propodeum dark brown, somewhat shining; abdomen rufous except base of first segment black; antennae dark brown; coxae, trochanters, and tarsi dark brown, femora and tibiae rufous. Wings tinged with yellowish brown; stigma light brown. Pubescence cinereous to light brown, rather conspicuous on coxae, pleura, and propodeum. Body with fairly numerous pale, erect hairs, including some on thoracic dorsum and pleura, propodeum, coxae, and especially the abdominal venter; hind femora with scattered short hairs.

Clypeus 2.5 × as wide as high, its apical margin weakly concave; middle interocular distance .63 × head width, 1.1 × eye height; upper interocular distance very slightly exceeding lower interocular distance; vertex broadly rounded off well above eye tops, distance from posterior ocelli to top of vertex exceeding postocellar line; postocellar line: ocello-ocular line = 2:5; temples strong, although roundly contracted from behind the eyes, in lateral view not quite as wide as eyes; antennae not especially elongate, third segment only about half the upper interocular distance. Maximum width of thorax only slightly less than that of head; features of pronotum and postnotum as described for male; wing venation as in Fig. 4; legs and abdomen as described under generic heading.

Paratypes. — 2 ♀♀, same data as allotype [U.S. Nat. Mus., British Mus.].

Variation. — Both paratypes are slightly smaller than the allotype (fore wing 7.3, 7.5 mm) but there are no differences worthy of note.

Remarks. — Despite the great difference in head structure in the two sexes, there is close agreement in all other essential features, and there can be no question that these are male and female of one species. This is the only case known to me in the Pompilidae in which sexual dimorphism involves a major difference in head size. In this connection the following notes provided by Martin G.
Naumann may be of interest (his nest no. 2048; see type designation for locality).

This was a nest of Stelopolybia sp., a social vespid that typically nests in cavities. In this case the nest occupied several cavities inside a large carton ant nest (Azteca sp.) attached to a tree trunk, 2 m above the ground. On May 7, a wasp was seen walking about on the surface of the ant nest. It was captured and proved to be a male pompilid (the type of this species). On June 21 both wasp and ant nest were heavily damaged by children, but on July 3 both wasps and ants were still active, and the nest was harvested by chloroforming it and catching the contents in a sac. The three female pompilids were found among the vespid, the ants, and the rubble.

Structure of the females suggests strongly that they build mud cells: this is the usual function of stiff bristles on the labium and a smooth pygidial plate. In this instance it seems probable that they were utilizing a part of one of the cavities inside the ant nest and being tolerated by the ants and the vespid. I suggest that the large head of the male may enable it to pass as a worker Azteca ant. These ants are polymorphic, and the larger workers commonly are macrocephalic. In this instance the workers were considerably smaller than the male Dimorphogenia, but they were of a similar pale color and the larger workers decidedly macrocephalic. Presumably macrocephaly does not occur in the female sex because it would render them unable to perform their usual hunting and nest-building activities. Macrocephaly in the male suggests that the male is more than a passive inhabitant of the nest; perhaps the presence of several such males inhibits attacks by ants and social wasps. One can only hope that the relationships of these insects can some day be worked out in detail.

Genus Ageniella Banks

Cyrtagenia, new subgenus

*Type-species.* — *Ameragenia fallax* Arlé.

*Subgeneric characters.* — Females with the general features of *Ageniella s. str.* except as follows (males unknown). Mandibles unusually broad, with a small tooth located close to the apex (Fig. 6); clypeus with rather sharp anterolateral corners and with a median, apical angulation; front, in lateral view, either abruptly subangulate a short distance above the antennal sockets, then flat to the vertex crest, or flattened all the way from the antennal sockets to the vertex (Fig. 7), in either case with a median prominence just above the
sockets. Pronotum short, with a somewhat flattened dorsal part; propodeum with smooth contours, without erect setae or with a very few setae on each side; legs relatively smooth, but middle and hind tibiae with several rows of very small spines; brush on inner side of hind tibia continuous to apex. Third submarginal cell receiving second recurrent vein .4 the distance from the base; anal vein of hind wing reaching media well before cubital fork. Known species with the wings unbanded, the antennae dark but with a white annulus near the middle.

Remarks. — Arnold (1934) described a genus from Africa in which the female has the front more or less angulate in profile, *Arpacotomorpha*. However, in this genus the angulate portion has a median groove, and below the angulation there is an oblique impression on each side of the face. Furthermore, in *Arpacotomorpha* the mentum has a beard composed of four or five long bristles arising from the base, whereas in *Cyrtagenia* there are only a few weak setae arising along the length of the mentum, as usual in *Ageniella*. I doubt if there is any close relationship between these two groups.

Key to species (Females)

Angulation of front well above antennal sockets; some of the abdominal tergites with lateral white spots; pubescence fine and relatively inconspicuous .......................... *fallax* (Arlé)

Front forming a nearly flat, oblique slope from the antennal sockets to the vertex (Fig. 7); abdomen without white spots; pubescence unusually coarse and hoary ...................... *innubia*, new species

*Ageniella* (*Cyrtagenia*) *fallax* (Arlé) new combination

*Ameragenia* *fallax* Arlé 1947, pp. 426-428, figs. 23-25.

Arlé’s description and figures are excellent, and there seems no need to redescribe the species at this time. Arlé had a single female, from near Rio de Janeiro. The species appears to be widely distributed, as I have seen females from Teresopolis and Nova Teutonia, Brazil; Oran and Tucumán, Argentina; and Avispas, near Marcapata, Peru. These females are exceedingly variable in color. All have a pale annulation on the antennae and at least small spots on the sides of the abdomen, but the other maculations described by Arlé may be much reduced or even absent. At the other extreme, the specimen from Peru is exceedingly ornate, having ivory spots over much of the head and thorax, as well as a median stripe on the
propodeum and lateral stripes on the first tergite. It is possible that
more than one species is involved, but on the basis of presently avail-
able material I am inclined to think not.

Ageniella (Cyrtagenia) innuba, new species

_Holotype._ — ♀, Nova Teutonia, Santa Catarina, Brazil, Jan.
1966 (Fritz Plaumann) [Mus. Comp. Zool., no. 32106].

_Description of female type._ — Length 9 mm; fore wing 8.3 mm.
Head black except marked with white as follows: apical .8 of cly-
peus; narrow inner orbits, with extensions toward antennal sockets;
a median streak before anterior ocellus; small spots at eye tops; lower
outer orbits and malar space; mandibles white basally, then testa-
ceous, with dark tips; palpi testaceous; basal 5 antennal segments
black (except scape with a small white spot), next three segments
mainly white, remainder dark brown above, light brown below.
Thorax and propodeum black; abdomen rufous except first segment
black basally; legs rufotestaceous except coxae, trochanters, and
femora partially infuscated; tarsi in part whitish. Wings hyaline,
veins and stigma dark brown. Pubescence coarse, cinereous, giving
the body a somewhat hoary appearance; propodeum with a few short
erect hairs on each side and abdominal venter and apical tergite
setose, but body otherwise without erect hairs.

Clypeus 2.6 × as wide as high; malar space .2 × width of mandi-
bles at their base; middle interocular distance .59 × head width;
upper interocular distance .95 × lower interocular distance; postoc-
cellar line: ocello-ocular line = 2:3; vertex rather sharp, distance
from posterior ocelli to crest about equal to postocellar line. Front
rather flat from vertex crest to antennae, which arise from a pro-
tuberance, as shown in Fig. 7; third antennal segment equal to
.72 × upper interocular distance. Hind tibia with a faint longi-
tudinal impression between the two uppermost rows of small spines.

_Paratypes._ — BRAZIL: 1 ♀, same data as type but collected
January 1965 [U.S. Nat. Mus.]; 1 ♀, Teresopolis, 11 March 1966
(H. & M. Townes) [Coll. H. K. Townes].

_Variation._ — Both paratypes have a small white spot on each
posterior pronotal lobe. The abdomen of the Teresopolis specimen
is dusky ferruginous, the legs darker than in the type. The topo-
typic paratype is slightly smaller than the type (fore wing 8 mm)
and has a white spot on the third antennal segment as well as a
large one on the scape.
Key to Neotropical genera of Auplopodini (Females)
(Modified from Banks, 1946, and Townes, 1957)

1. Apex of front tibia on outer side with a strongly differentiated, curved, hooklike spine; clypeus large, extending well beneath bottoms of eyes ........................................ 2
   Apex of front tibia without a strong, curved spine that is well differentiated from the other spines .................. 3

2. Last segment of middle and hind tarsi spined beneath; lower part of mesopleurum with a projection; clypeus strongly emarginate
   Phanochilus Banks
   Last segment of all tarsi smooth beneath; mesopleurum without a prominence; clypeus truncate Priocnemella Banks

3. Mandibles with a basal tuft of long, pale setae which cover much of the mandibles; malar space at least half as long as width of mandibles at their base (Figs. 1, 3) ................................. Mystacagenia, new genus
   Mandibles without such modification, simple and with scattered setae; malar space less than half as long as width of mandibles at their base, often nearly absent .............. 4

4. Apical tergite covered with bristles and without a differentiated pygidial area; mentum with or without a few thin setae scattered along its length Ageniella Banks
   Apical tergite with a median area which is devoid of setae and more or less smooth, often polished; mentum with a group of stout setae arising near the base and directed forward .... 5

5. Malar space about one third as long as width of mandibles at their base; temples prominent, nearly as wide as eyes; tooth of claws quite close to outer ray (males macrocephalic, Fig. 10) Dimorphagenia, new genus
   Malar space small or absent, mandibles and lower eye margins nearly in contact; temples narrow, receding; tooth of claws well separated from outer ray Aupopus Spinola

Key to Neotropical subgenera of Ageniella (Females)

1. Propodeum with an abundance of erect hair ....................... 2
   Propodeum without hair or with a few inconspicuous hairs on the sides ........................................ 4

2. Mentum at most with a few short, inconspicuous setae; mostly small species, under 14 mm Ameragena Banks
   Mentum with a number of rather long setae; larger species, mostly over 15 mm ........................................ 3
3. Hind tibiae serrate in profile, also quite strongly spinose; most species with a prominence on lower part of mesopleurum ........................................... *Alasagena* Banks

Hind tibiae smooth, non-serrate, and with only small spines; mesopleurum without a prominence ................... *Lissagenia* Banks

4. Front, in lateral view, somewhat angulate (either at the antennal sockets or between sockets and ocelli), above the angulation quite flat; mandibles unusually broad, the tooth small (Fig. 6) ................................................................. *Cyrtagenia*, new subgenus

Front, in lateral view, more or less gently rounded; mandibles not modified as above ................................................................. 5

5. Hind tibia not at all serrate, smooth or with rows of very small spines ........................................................................... *Ageniella* Banks

Hind tibia serrate in profile ................................................................. 6

6. Brush on inner side of hind tibia with a subapical interruption; pronotum somewhat elongate ....................... *Nemagenia* Banks

Brush on inner side of hind tibia without a subapical interruption ........................................................................... *Priophanes* Banks

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