

New Muscoidea from Humid Tropical South America.

By Charles H. T. Townsend.

This paper gives descriptions of certain material sent by Dr. Walter Horn from the collection of the Deutsches Entomologisches Institut and certain other material in the collection of the author. The source is mentioned in each case. The Zürcher and Hoffmann holotypes will be deposited in the Deutsches Entomologisches Institut. The other holotypes are in the author's collection, save only that of the genotype of *Neopsidia*.

***Leucoravinia* n. gen.** (Genotype, *Leucoravinia quadraticephala* n. sp.)

Differs from *Ravinia* as follows: Hl eq hh, hp nearly quadrangular; frp flat, nearly or quite in horizontal plane; c dished, cl $1\frac{1}{2}x$ cw; ep nearly full width, a little elongate, well warped; vx eq anx, latter eq hh; ba nearly on level of upper border e; ♀ vrw nearly $\frac{1}{2}$ hw; frl $\frac{2}{3}$ pfrw or less; pfcl eql, very faintly microsetose above & along orbit, pfcw about eq cw; 2 strong st & ls, no pra; 2 thv; cb ra, over $\frac{1}{4}$ ww from hwm; M♂ nearly its length from cb; sq considerably widened behind, ic rounded-subangular: ♀ ab thickly clothed with short gray-white pubescence on sides & vn.

***Leucoravinia quadraticephala* n. sp.**

Bl, $5\frac{3}{4}$ to 8 mm; wl, $4\frac{3}{4}$ to $6\frac{1}{2}$ mm. 5 ♀, near Playa Sonape, Rio Huallaga, E. Peru, August 12, on raft in river (Townsend).

H silvery-white; frl brownish-fulvous, darker posteriorly; an blackish, bjs well tinged with rufous or fulvous; plp fulvous, tips darker; occ, th & ab silvery-cinereous, 2 narrow equal regular well sep brown thv; l blackish-brown, all pol except t & flexor surface of tb; w clear; sq nearly white.

***Sisasarcophaga* n. gen.** (Genotype, *Sisasarcophaga metallica* n. sp.)

Differs from *Chlorosarcophaga* as follows: Frp somewhat longer than fcp; latter concave; c deeply dished, cl $1\frac{1}{2}x$ cw; ep greatly narrowed from c; fcl brst scarcely over $\frac{1}{4}w$; hs little over $\frac{1}{4}$ hh; ba scarcely above em; ar long-pl practically to tip; 1 strong div rfro ♀; frl eql ♀, frlw $2x$ pfrw; pfcl with row of fine hairs near orbit; ch little over $\frac{1}{4}$ el; 4 ps, 2 front ones successively decreasing in length; no pra; 3 strong ls & 2 shorter besides; 1 mm & 3 lm on 3sg.

***Sisasarcophaga metallica* n. sp.**

Bl, 10 mm; wl, 9 mm. 1 ♀, Sisa, confluence of Rio Sisa with Rio Huallaga, E. Peru, July 22, on foliage (Townsend).

H silvery, pfrl brown behind; orbits, pfcl & rest of pfrl brassy, shared somewhat by c; frl dark brown, with gray bloom in oblique view; occ, th & ab metallic greenish-black, silvery pol except upper edge of occ, 3 broad thv, leg grooves of pleura, hind edge of post-scutellum, most of 1sg, hind portions of isgs & indefinite mv; 1 brownish-black, f pol on lower side; w clear; sq watery-whitish.

***Neopsidia* n. gen.** (Genotype, *Opsidia metopioides* Allen, Proc. U. S. N. M., LXVIII, art. 9, p. 44.)

Differs from *Opsidia* as follows: Frp projected $\frac{1}{3}$ diameter of e beyond border of same; ar thk $\frac{2}{5}w$; ♂ vrw nearly $\frac{2}{5}hw$, fr narrowing gradually to little over $\frac{1}{3}hw$ at ba; fc below about $\frac{2}{5}hw$, thus fc & fr widening from ba at same angle; ♂ frl widening posteriorly, eq pfrw; pfcl in profile as wide as ch, set with sparse micro-hairs; ch in profile $\frac{1}{6}$ height of e; 3 somewhat obscure black thv extending to sc; R5 brst nearly to R6.

The holotype of *Neopsidia metopioides*, from Porto Bello, Panama (Busck), is in U. S. N. M.

***Actinomintho* n. gen.** (Genotype, *Actinomintho ivu* n. sp.)

Differs from *Actinochaeta* as follows: Hw nearly $1\frac{1}{2}x$ hh; frp $1\frac{1}{3}x$ fcp, strongly sloped; c gently depressed, broad below, subtriangular, cl hardly $1\frac{1}{2}x$ cw; fcl practically bare, with few brs $\frac{1}{4}w$ or so; plp cylindrical, a little bowed, somewhat thk at tip ♂; ar short-pl to tip; e not pushed forward below nor shaved behind, reaching a little short of vl & oml; ♂ vrw considerably less than $\frac{1}{3}hw$, fr widening to much over $\frac{1}{3}hw$ at ba; fc narrowing slightly from ba to little over $\frac{1}{3}hw$ at oml; 4 strong frs more or less dec, stopping at ba; 2 vrs ♂, ivrs not dec; 2 strong pfro ♂; frl eql, eq pfrw; oct normal; ch $\frac{1}{9}el$, no ocar; 1 long pi & 2 to 4 short ones; 1 very short pra, 1 short pa; 2 ls, hls very long & tips meeting; cs strong but little longer than the heavy costal fringe; R1 terminating a little less than $\frac{1}{2}w$ between cs & wt; R5 brst above nearly to tip of R3, below nearly $\frac{1}{3}w$ to R6; M3 fully its length from cb, nearer latter; sq moderately long, rather widened behind: fcx $\frac{1}{2}$ ftb; no mm on 1sg.

***Actinomintho ivu* n. sp.**

Bl, 9 mm; wl, 7mm. 1 ♂, Ivu, Paraguay, February (Zürcher).

H grayish-tawny pol, pfri darker; frl & an black, banjs reddish-yellow; plp pale fulvous; th gray-tawny pol, pleura more silvery; 4 brownish-black thv, ov heavy & broken, iv linelike & confined to prsc; ab shining black, broadly yellow on sides of forward $\frac{1}{2}$; last 2 sgs broadly thinly silvery on base; l dark brown; w broadly smoky-yellowish on costa; sq nearly white.

***Ushpayacua* n. gen. (Genotype, *Ushpayacua ureophila* n. sp.)**

Differs from *Ophirödexia* as follows: C about flush, cl rather over 2x cw; ep full width; ba on lower $\frac{1}{3}$ of e; ♂ 3an 5x 2an, narrow, eqi; e short, very oblique, reaching far short of vl; ♂ vrw $\frac{1}{2}$ hw, fr widening slightly on posterior $\frac{1}{2}$ & then rapidly to $\frac{1}{3}$ hw at ba; fc at level lbe nearly $\frac{3}{5}$ hw; no pfo ♂; frl well narrowed posteriorly, frlw over pfrw; ocs strongly precl; ch over $\frac{2}{5}$ el; 2 pi, but front one small; 1 pa; 2 long ls, long dec aps, 1 somewhat shorter ds; 5R terminating considerably before wt; cb V-like, aa, hardly $\frac{1}{6}$ ww from hwm; M1 deeply & crookedly arc inward; stp at cb; M3 its length from cb; no mm on 1st 2 sgs.

***Ushpayacua ureophila* n. sp.**

Bl, 11 $\frac{1}{2}$ mm; wl, 8 $\frac{1}{2}$ mm. 1 ♂, Rio Ushpayacu, E. Peru, 1300 ft., September, on sweat-soaked packs (Dr. Harvey Bassler).

H silvery-white, a faint golden tinge on upper orbits, pfri & pfcl; frl brownish-black; an obscure fulvous, most of 3an brown; plp fulvous; pleura silvery-white; prsc pale golden, 4 blackish-brown thv, iv narrow, ov spotlike; psc irregularly dark brown on front $\frac{1}{2}$, rest pale golden; sc dark brown, broad margin pale golden pol; ab pale straw-yellow, with dark brown to blackish linelike mv, hind border of 1sg, irregular hind $\frac{1}{3}$ of 2sg, irregular hind $\frac{1}{2}$ of 3sg & all but hind margin of 4sg; last 2 sgs silvery-white on base; l blackish, cx & tr obscure fulvous & pol; w faintly infuscate on distal $\frac{1}{2}$, faintly yellow on costa of proximal $\frac{1}{2}$; sq faintly smoky-watery.

***Sarcocalirrhoe* n. gen. (Genotype, *Sarcocalirrhoe zuercheri* n. sp.)**

Differs from *Calirrhoe* as follows: Cl not 2x cw; fcc high, nearly $\frac{1}{2}$ cw, bulged in profile, not grooved; ep full width, $\frac{1}{3}$ as long as wide, gently warped from base of fcc, strongly warped from profile of fcl; vx rather over anx, latter $\frac{3}{4}$ hh; p stout, cor-

neous, hs $1\frac{1}{4}x$ hh; plp $\frac{1}{2}$ length of hs, very slender, not bowed, thk on terminal $\frac{1}{4}$ or so, sparsely brst at tip; ♀ vrw fully $\frac{1}{8}$ hw, fr widening arcuately to nearly $\frac{1}{2}$ hw at ba; fc widening at same angle, $\frac{3}{8}$ hw in middle; pfcl eql, hardly 2x as long as wide, pfcw eq cw; 3 st, middle one shorter; 2 pi, 4 ps, 3 pra & pa; no cs; M3 rather steep, $\frac{2}{3}$ its length from cb, parallel to M1; fmtt & mmtt eq fjs; no mm on 1sg.

***Sarcocalirrhoe zuercheri* n. sp.**

Bl, 11 to $13\frac{1}{2}$ mm; wl, 9 to $11\frac{1}{2}$ mm. 2 ♀♀ & 1 ♂, Sta Trinidad, Paraguay, January, March & August (Zürcher). Red-ink labels 8 & 156.

H pale golden, paler in ♀; frl dark brown; an brown, basal $\frac{1}{2}$ subfulvous; fp & fcl more silvery, showing little golden, pale luteous beneath the thin pollen; plp fulvous; lower occ ashy; th silvery, with faint golden tinge to pollen of dorsum, 3 equal black thv; ab ♀ brownish with rufous tip, ♂ brownish-rufous with black mv, thinly silvery pol, the pollen of dorsum more golden in ♂; l blackish; wv faintly clouded; sq tawny-subinfusate.

***Bathytheresia* n. gen. (Genotype, *Bathytheresia bassleri* n. sp.)**

Differs from *Paratheresia* as follows: Frp $1\frac{1}{3}x$ fcp, weakly arc; cl $1\frac{3}{4}x$ cw; ep well warped, epl $\frac{1}{3}$ epw; vx eq anx, latter $\frac{3}{4}hh$; hs $\frac{1}{2}$ hh; ba on em; ♀ 3an 3x 2an; ♀ vrw not $\frac{1}{4}$ hw, fr widening to fully $\frac{1}{2}$ hw at ba; fc $\frac{3}{8}$ hw in middle ♀; ivrs dec; ln very large; pfcl eql, pfcw little less than cw; ch rather over $\frac{2}{5}$ el; 1 pi, pra & pa; cb $\frac{1}{7}$ ww from hwm; no stp at cb; M3 nearly straight, not parallel to hwm; sq large, well widened behind, ic acutely ang; mmtt & hmtt eq fjs, fmtt nearly eq fjs; 1 mm & 2 lm on 3sg.

***Bathytheresia bassleri* n. sp.**

Bl, 9 mm; wl, $7\frac{1}{2}$ mm. 1 ♀, Rio Ushpayacu, E. Peru, 1300 ft., September, on sweat-soaked packs (Dr. Harvey Bassler).

H silvery-white; frl dark brown; an & plp fulvous, 3an mostly brownish; pleura, prsc & front $\frac{2}{5}$ psc silvery-white, rest of psc & all of sc pale brassy; 3 broad blackish thv, mv obscure posteriorly; ab obscure fulvous, last 2 sgs dark brown, isgs pol on base & 4sg on irregular basal $\frac{1}{2}$, the pollen pale brassy; l obscure fulvous shaded with brownish, t blackish; w nearly clear; sq tawny-whitish.

***Euprospherysa* n. gen. (Genotype, *Euprospherysa fumipennis* n. sp.)**

Differs from *Epiprospherysa* as follows: Frp slightly arc; vx $\frac{3}{4}$ anx; σ plp clavate; ba on upper $\frac{2}{3}$ e; 2an elongate σ , shorter σ ; 3an σ little over 4x 2an, narrow & eql, σ not 3x 2an; e in profile well over 2x as long as wide; σ vrw $\frac{1}{6}$ hw, fr eql on hind $\frac{1}{2}$ & then widening to little over $\frac{1}{4}$ hw at ba; σ fc in middle $\frac{3}{7}$ hw; σ vrs 1 not dec, pfr none, rfr 2; frl σ scarcely over $\frac{1}{2}$ pfrw, σ well narrowed behind & eq pfrw; pfcw $\frac{1}{4}$ cw; ch $\frac{1}{6}$ el σ , not $\frac{1}{4}$ el σ ; 3 st. lower one weak; 3 ls; R5 sinuate on terminal $\frac{1}{2}$; 5R quite well open well before wt; M3 strongly sin, much nearer cb; sq rather elongate, widened behind especially in σ ; σ cls long, strong, pb; σ ab strongly conic; 1 strong mm on 1sg; no dr on 4sg in σ , but present in σ .

***Euprospherysa fumipennis* n. sp.**

Bl, σ 7, σ 8 $\frac{1}{2}$ to 9 $\frac{1}{2}$ mm; wl, σ 5 $\frac{1}{2}$, σ 7 to 8 mm. 3 σ , Las Flores, Rio Mayo, August 6; Picota, Rio Huallaga, July 21; Bellavista, Rio Huallaga, July 26; 1 σ , Yurimaguas, August 16; all E. Peru, on foliage (Townsend).

σ — H silvery, pfrl mostly golden, also upper orbits, vr & oct deep golden; frl & an dark brown; plp pale fulvous; pleura silvery, with faint gold tinge; msc & sc deep gold, 4 blackish thv, iv very narrow & terminating in middle of psc, ov on prsc triangular; ab nearly black, slightly fulvous or reddish on sides of 2sg, isgs narrowly silvery-white on base, 4sg tawny-silvery on basal $\frac{1}{2}$; l black, ff pol on outside; w broadly smoky across middle, the tip, inner margin & wb subhyaline; sq yellowish-smoky.

σ - Golden parts not so deeply golden; w almost clear; sq glassy-whitish.

***Chrysoprospherysa* n. gen. (Genotype, *Chrysoprospherysa croesus* n. sp.)**

Differs from *Euprospherysa* as follows: C considerably depressed, cl 2x cw; vx not $\frac{3}{4}$ anx; plp short, cylindric, not thk tip; ba a little above em; σ 3an hardly 3 $\frac{1}{2}$ x 2an; ar long-pb $\frac{2}{3}$ w or so; σ vrw $\frac{1}{4}$ hw, fr eql on nearly hind $\frac{1}{2}$ & then widening to fully $\frac{1}{3}$ hw at ba; fc in middle over $\frac{1}{2}$ hw; 2 vrs σ ; pfcw $\frac{1}{2}$ cw; ch $\frac{1}{4}$ el; cs strong, longer than R6; no wr at cb; no dr on 4sg.

***Chrysoprospherysa croesus* n. sp.**

Bl, $7\frac{1}{2}$ mm; wl, $6\frac{1}{2}$ mm. 1 ♂, Rio Ushpayacu, E. Peru, 1300 ft., September, on sweat-soaked packs (Dr. Harvey Bassler).

H silvery; upper orbits, vr, oct, pfrl & most of pfcl deep golden; frl & an nearly black; plp testaceous; sternum & vn silvery; pleura, msc, sc & ab deep gold, 4 narrow blackish thv, iv terminating before middle of psc; ov widely broken at ts; base of sc, 1sg, nearly hind $\frac{1}{2}$ last 3 sgs blackish; 1 black; w faintly infuscate on costa & in 3M; sq pale smoky-yellowish.

***Actinophryno* n. gen. (Genotype, *Actinophryno angusta* n. sp.)**

Differs from *Frontiniella* as follows: Frp nearly flat & nearly eq fcp; c gently depressed, cl 2x cw; fcl bare; p hardly hh, hs a little longer than the large lb; plp clavate, hardly $\frac{1}{2}$ length of 3an; ar long, thk hardly over $\frac{1}{4}$ w, conspicuously pb $\frac{1}{2}$ w; e oblique, shaved behind on lower part; ♂ vrw $\frac{1}{4}$ hw, fr nearly eql on hind $\frac{1}{2}$ & then widening in slight curve to less than $\frac{1}{3}$ hw at ba; fc on lower $\frac{1}{4}$ about $\frac{1}{2}$ hw; frl nearly eql ♂, $\frac{2}{3}$ pfrw; ch nearly $\frac{1}{4}$ el; 2 ps; aps long, weak, dec; 5R open well before wt; ♂ cls very long; ♂ ab ovoconic, longer than th.

***Actinophryno angusta* n. sp.**

Bl, $6\frac{1}{2}$ mm; wl, $5\frac{1}{2}$ mm. 1 ♂, Sta. Trinidad, Paraguay (Zürcher). Red-ink label 136.

H silvery pol, faint tinge of golden on vr; frl & an blackish; plp fulvous-yellow; pleura silvery; msc & sc silvery pol with tinge of golden, base of sc black; 4 black thv, iv narrow, ov widely broken & not very much wider than iv; ab blackish, subshining, bases of last 3 sgs irregularly silvery; 1 blackish; w clear; sq watery-whitish.

***Chaetoxynops* n. gen. (Genotype, *Chaetoxynops chaetosa* n. sp.)**

Differs from *Anoxynops* as follows: C depressed, short, wide below, subtriangular, cl $1\frac{1}{4}$ cw; fcl with 3 strong brs extending $\frac{1}{4}$ w; ba on em; e reaching short of vl; ♀ vrw $\frac{2}{3}$ hw, fr widening evenly to $\frac{1}{3}$ hw at ba; fc widening at slightly greater angle, $\frac{2}{5}$ hw in middle; frs 1 below ba; frl ♀ considerably narrowed on middle, not $\frac{1}{3}$ pfrw; ch $\frac{1}{8}$ el; 5R open quite well before wt; M3 rather over its length from cb; no md on isgs.

Chaetoxynops chaetosa n. sp.

Bl, 7 mm; wl, 6 $\frac{3}{4}$ mm. 1 ♀, Sta. Trinidad, Paraguay, July 8 (Zürcher). Red-ink label 176.

H silvery, pfrl golden; frl & an black; plp fulvous; pleura silvery; pollen on dorsum of th with faint golden tinge; 2 narrow iv & 2 heavy spotlike ov black before ts, merged in obscure blackish area behind ts; basal $\frac{1}{2}$ sc blackish; ab subshining brownish-black, bases of last 3 sgs broadly pol with faint golden tinge; 1 blackish; w clear; sq whitish.

Prospheysodoria n. gen. (Genotype, *Prospheysodoria paraguayensis* n. sp.)

Differs from *Paralipse* as follows: Ep not warped; ar thk only basally & tapered, long-pb over $\frac{1}{2}$ w; e thickly pilose, oblique, shaved behind on lower part, not reaching vl; ♀ vrw hardly $\frac{1}{4}$ hw fr widening evenly to over $\frac{1}{3}$ hw at ba; fc widening at same angle, fully $\frac{1}{2}$ hw in middle; frl ♀ nearly eql but widening somewhat behind, eq pfrw; ocs very weak, hairlike, prcl; upper part of pfcl $\frac{1}{2}$ cw; ch $\frac{1}{4}$ el; 2 st; aps short, strongly dec; R5 bb; 5R open well before wt; cb oa; no d on 4sg.

Prospheysodoria paraguayensis n. sp.

Bl, 6 $\frac{3}{4}$ mm; wl, 5 $\frac{3}{4}$ mm. 1 ♀, Sta. Trinidad, Paraguay July 16 (Zürcher) - Red - ink label 186.

H silvery; frl brown; an black; plp fulvous; chg rufous-brown; fcd & occ cinereous; pleura & dorsum of th thinly silvery-ashy, 4 subequal & rather narrow black thv; ab shining black, bases of last 3 sgs thinly silvery, that of 4sg only very faintly visible, pollen of isgs thinning posteriorly to about middle of sg; 1 black w clear; sq whitish.

Sericodoria n. gen. (Genotype, *Sericodoria sericea* n. sp.)

Differs from *Prophorinia* as follows: Frp strongly arc, nearly $1\frac{1}{4}$ x fcp; c narrow, cl over $2\frac{1}{2}$ x cw; epl nearly $\frac{1}{3}$ epw; p little over $\frac{1}{2}$ hh, hs swollen & little over lb; plp moderately stout, somewhat clavate, bowed, brst below distally, scarcely length of 3an; ba on em; 2an somewhat elongate; 3an ♂ little over 3x 2an, moderately narrow, eql; ar thk $\frac{1}{3}$ w & tapered, bjs short, micro-pb $\frac{1}{2}$ w; e thinly short-hairy, oblique, somewhat shaved behind on lower part, reaching slightly below vl; ♂ vrw hardly over $\frac{1}{7}$ hw, fr widening rapidly to less than $\frac{1}{3}$ hw at ba; fc gently

widening from fr, hardly $\frac{1}{2}$ hw in middle; 1 strong rfro σ , 2 strong pfro, no ovs, ivrs not dec; frl narrowed posteriorly σ , much under $\frac{1}{2}$ pfrw; ch $\frac{1}{8}$ el; 2 pra & ls, 3 pa; 5R open well before wt; M3 sin, not its length from cb; htb thickly cil & no longer br σ .

***Sericodoria sericea* n. sp.**

Bl, 7 mm; wl, $5\frac{1}{2}$ mm. 1 σ , Angelito, Paraguay, January (Zürcher).

H silvery-white to dull silvery, pfrl golden posteriorly; frl & an black; plp fulvous; pleura thinly silvery; msc blackish, obscurely golden pol; 4 black thv, iv narrow, ov wider & obscurely defined; sc blackish on base, rest tawny-satiny silvery pol; ab brown, vn subfulvous, last 3 sgs tawny-satiny silvery on basal $\frac{1}{2}$ or more; l brown; w clear; sq nearly white.

***Carceliodoria* n. gen. (Genotype, *Carceliodoria palpalis* n. sp.)**

Differs from *Prophorinia* as follows: Fcl bare; vx $\frac{2}{3}$ anx; plp clavate, strongly widened at tip; ar bare; e sparsely short-haired, descending to vl; pfcl much narrowed below; ch hardly $\frac{1}{10}$ el; 4 ps & ls, no aps; no cs; 5R open well before wt; cb rounded ra, little over $\frac{1}{4}$ ww from hwm; M1 well bent in at base; M3 sin; 4sg with mr & dr, also irregular ar of shorter brs.

***Carceliodoria palpalis* n. sp.**

Bl, $7\frac{1}{2}$ mm; wl, $6\frac{1}{2}$ mm. 1 σ , Playa Sonape, Rio Huallaga, E. Peru, August 12, on raft in river (Townsend).

H, pleura, vn & outer ff silvery-white; upper occ, upper occipital orbits, vr, oct, most of pfrl, all of msc, sc & dorsum of ab pale golden; frl & an black; plp pale testaceous-fulvous, bases blackish; 4 subequal blackish thv; base sc, all of 1sg & hind $\frac{2}{6}$ of last 3 sgs blackish; l black; w clear; sq straw-whitish.

***Anaphorinia paraguayana* n. sp.**

Bl, 8 mm; wl, 7 mm. 1 σ , Sta. Trinidad, Paraguay, July 8 (Zürcher). Red-ink label 176.

Differs from *A. aurata* anatomically by σ vrw fully $\frac{1}{4}$ hw, e very sparsely hairy, R1 terminating scarcely beyond R6, M3 its length from cb & nearly length of M1, R5 brst nearly $\frac{1}{2}$ w to R6, ovs vestigial in σ ; and in col by thv much more delicate, clouded marking of psc much fainter, pfrl deeply golden, pfcl golden above & brassy below, w nearly clear & sq tawny-whitish.

***Podosturmia* n. gen. (Genotype, *Podosturmia dirphiae* n. sp.)**

Differs from *Sturmia* as follows: Epl fully $\frac{1}{5}$ epw; v well above om; 3an $2\frac{1}{2} \times$ 2an; frs 2 or 3 below ba, 2 frr; 3 rfro; no ocs; pfcf wider than fcl below; aps weak, dec; R5 with 1 strong br at base; htb cil, with 1 slightly longer br near middle; σ cls rather over ltj.

***Podosturmia dirphiae* n. sp.**

Bl, $7\frac{1}{2}$ to 8 mm; wl, $5\frac{3}{4}$ to 6 mm. 1 σ & 1 ♀ , Belem, Pará, reared by Rev. A. Miles Moss & believed to have come from pupa of *Dirphia* sp.

H & pleura silvery-white; whole fr, upper occipital orbits, msc & sc dull golden pol; frl & an brown to blackish; plp brownish-fulvous, darker on base; 5 narrow equal blackish thv, mv obsolete on prsc; 1sg & base sc blackish; ab reddish on sides especially in σ , last 3 sgs blackish & broadly tawny pol on base; l black; w nearly clear, faintly smoky on costa; sq sordid-whitish.

***Prowinthemia* n. gen. (Genotype, *Prowinthemia paraguayensis* n. sp.)**

Differs from *Hemimasipoda* as follows: 2an very long σ , 3an $2 \times$ 2an; σ vrw rather over $\frac{1}{6}$ hw; no rfro σ ; no ocs; ch nearly $\frac{1}{6}$ el.

***Prowinthemia paraguayensis* n. sp.**

Bl, $9\frac{1}{2}$ to 10 mm; wl, $7\frac{1}{2}$ to 8 mm. 2 σ , Sta. Trinidad, Paraguay, July 29 & August 4 (Zürcher). Red-ink labels 194 & 198.

H bright light golden to pale brassy, occ & ch silvery; frl & an blackish, 2an fulvous on underside; plp fulvous; ocb brassy above, whitish below; msc pale brassy, pleura more silvery, 4 heavy equal black thv, iv & ov of same side joined behind; sc brownish-testaceous, faintly silvery in oblique view, blackish at base; ab rufous, broadly black on dorsum & vn, 1st 2sgs of vn more or less silvery, 3sg vn with spots of thick long black pile σ ; sides of 1sg & 2sg front corner 3sg & hind margin 4sg rufous, rest blackish, last 3 sgs irregularly very pale brassy on about basal $\frac{1}{2}$; l black; w more or less faintly smoky on costa; sq tawny, with yellowish edges.

Proparachaeta n. gen. (Genotype, *Proparachaeta paraguayensis* n. sp.)

Differs from *Parachaeta* as follows: H much wider than high; frp nearly flat, strongly sloped, about eq fcp; c considerably depressed, wide, cl over 2x cw; ep full width, edge warped, epl $\frac{1}{3}$ epw; fcl with few brs extending over $\frac{1}{3}$ w; σ vrw little over $\frac{1}{3}$ hw, fr widening arcuately to nearly $\frac{1}{2}$ hw at ba; fc widening from ba at same angle, $\frac{3}{5}$ hw in middle; 2 frr σ , 5 frs below ba; no rfro σ ; frl narrowed behind σ , over $\frac{1}{2}$ pfrw; pfcl narrowed somewhat below, $\frac{1}{2}$ cw in middle; ch rather over $\frac{1}{3}$ el, ocar nearly filling whole space; 5 strong ls; cs very short; R1 terminating far beyond R6; σ cls very long; mr of 3sg very weak; 4sg with weak brs.

Proparachaeta paraguayensis n. sp.

Bl, 13 $\frac{1}{2}$ mm; wl, 12 $\frac{1}{2}$ mm. 1 σ , Sta. Trinidad, Paraguay, June (Zürcher). Red-ink label 88.

H tawny or brassy-gray pol, pfrl more silvery-gray behind; frl dark brown; an & plp blackish; pleura tawny-gray, msc silvery-gray; 4 blackish thv of equal width, iv more extended forward & ov more backward; sc mostly fulvo-rufous, thinly silvery; ab blackish, with faint thin silvery bloom, tip & sides faintly rufous; l black; w clear; sq whitish.

Mayodistichona n. gen. (Genotypè, *Mayodistichona facialis* n. sp.)

Differs from *Aravaipa* as follows: Frp gently arc, $\frac{2}{3}$ fcp, somewhat sloped; c well depressed, narrow, eql, cl 2 $\frac{1}{2}$ x cw; ep cut off at vl; fcl fully $\frac{1}{2}$ cw; vx eq anx; p short & stout, hs little longer than lb; plp clavate; ba very high; 2an not elongate; 3an σ little over 4x 2an, moderately wide, eql; e thinly long-hairy; frs 1 or 2 below ba, 1 opposite ba, about 4 behind ba; frl eql, $\frac{2}{3}$ pfrw; pfcl bare save fco row of about 5 small brs a little nearer inner border; R5 bb, with 2 brs; 5R very narrowly open a little before wt; cb $\frac{1}{4}$ ww from hwm; M3 somewhat crooked; hmtt eq fjs; σ ft normal; ab short-ovate, no mm on lsg.

Mayodistichona facialis n. sp.

Bl, 5 $\frac{1}{2}$ mm; wl, 5 mm. 1 σ , Las Flores, Rio Mayo, E. Peru, August 6, on foliage (Townsend).

C, occ, sternopleura & vn of 1st 3 sgs silvery; rest of h, upper pleura, msc, sc & vn & basal $\frac{1}{2}$ of dorsum of 4sg golden;

frl & an blackish, plp & tip of 2an fulvous; 4 nearly equal blackish thv; base sc, 1sg, tip of 4sg & 1 blackish; isgs blackish, pale brassy pol on base, pollen widened at sides & in a median pr of markings on each sg; w clear; sq watery-whitish.

Parajurinia n. gen. (Genotype, *Parajurinia obesa* n. sp.)

Differs from *Tachinosoma* as follows: Frp nearly flat, well sloped, somewhat over fcp; cl little over cw; plp fully length of an, widened & spatulate on tips; 3an scarcely widened, convex on upper edge; ♂ vrw $\frac{1}{4}$ hw, fr widening in arc to nearly $\frac{1}{2}$ hw at ba; ♀ vrw $\frac{1}{3}$ hw or less, fr widening to fully $\frac{1}{2}$ hw at ba; fc in middle over $\frac{3}{5}$ hw; ♂ frl slightly narrowed behind, $\frac{1}{2}$ pfrw; ♀ frl well narrowed behind, $\frac{2}{3}$ pfrw; pfcl $\frac{2}{5}$ cw ♀, fully $\frac{1}{3}$ cw ♂; 4 st; cb nearly $\frac{1}{3}$ ww from hwm; mmtt nearly eq fjs; erect spines on middle $\frac{1}{3}$ or so of isgs.

Parajurinia obesa n. sp.

Bl, 14 to 16 mm; wl, 12 to 15 mm. 2 ♂ & 2 ♀, Espirito Santo, Brazil, October to March (F. Hoffmann).

H silvery-whitish ♂, with tawny tinge ♀; pfrl blackish through the thin pollen especially in ♂; frl brown; an blackish, 3an more or less rufous ♂; plp fulvous-yellow; occ, th & sc thinly silvery, 4 narrow blackish thv; ab black or brown with or without obscure rufous tinge in ♀, deeply obscure rufous in ♂; pollen of ab scarcely apparent ♀, but showing conspicuously though thinly in ♂ on 4sg & median cross of 3sg; 1 black; w lightly infusate; sq infusate.

*

Additional abbreviations of Muscoid characters. The following are additional to those already given. Some but not all of them are used in the present paper.

bsc (basal section of costa)

ept (epaulet)

hst (hind sternopleural bristle)

hts (mesothoracic spiracle)

ic (inner hind corner of squamae)

ifrc1 (infraclinate)

iv (inner pair of thoracic vittae — when 4 or more are present)

mms (median mesopleural bristles)

ms (mésopleural bristles — vertical row on hind edge)

mw (mouth width of apical cell)

npl (notopleural bristles)

ocb (occipital beard)

oo (occipital orbits)

ov (outer pair of thoracic vittae)

paw (postalar wall)

plr (pleura)

posc (postscutellum)

ppl (propleura)

prep (preepaulet)

sept (subepaulet)

sprcl (supraclinate)

sqpl (squamopleura)

tyr (tympanic ridge)

ums (upper mesopleural bristles)

uoo (upper occipital orbits).

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