New Muscoid Genera and Species of the Coasts of Perú and Chile

BY

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The faunal area embraced in this paper extends from the Rio Macará to the Straits of Magellan between the sea and the Andean foothills. It is arid and semiarid north of Valparaíso and gradually more humid south of that point. All the material treated was collected by the writer. For lists of the abbreviations employed in the descriptions, see «Fauna Sumatrensis, Diptera Muscoidea II, III» in SUPPLEMENTA ENTOMOLOGICA (Berlin), 1926-1927.

ACTINOMINTHELLA, **n. gen.** (Genotype, *Actinominthella atrophopodella* n. sp.)

Differs from Metallicomintho as follows: Frp 3/4 fcp; c gently depressed, cl X cw; ep nearly full width, strongly warped & subnasute, epl fully 1/2 epw; fcl very narrow, flat-cordlike, abruptly curved inward below but otherwise straight; an x 2/3 hh ♀, a little more ♂; ba high above em; ♀ 3an 3 x 2an & very narrow, ♂ 5 X 2an & much wider but not heavy; ar nearly bare ♂, micro-pb ♀, porrect, thk nearly to tip or at least 2/3w, bjs short; e pilose; frs 1 below ba, 1 at ba & 2 or 3 behind ba; 2 vrs ♀; no pfro ♂; frl nearly eql, rather over pfrw; fco 5 ♀ & 7 or 8 ♂, strong ifrcl; ch rather over 1/3 el; 3 successively longer pra, front 1 short; no pa; prsc much shorter than psc, ♂ little over 1/2 psc ♀; 5R pet rather far before wt, stalk eq R6 & in line with slight curve of R5; M 3 faintly sin, considerably nearer cb, not parallel to M1; lsc C1 nearly 1/2 preceding; ♀ ft cylindric & cls minute; ♂ cls eq ltj, fcls longer; ab ovoconic, more ovate basally ♀, 4ag ♂ obliquely cut off in profile; no dr on 4sg.

Actinominthella atrophopodella, **n. sp.**— Bl, 6 to 7 mm; wl, 4 to 5 mm. 3 ♂ & 6 ♀, canyons above Chosica, Perú, 5000 ft., Sept. 19 & Oct. 12, on rocks.

Black; h silvery-whitish, frl & an black; plp -pale straw-yellowichs, blackish on tips; th silvery, 2 wide heavy even black thv continued on sc; ab shining, narrow bases last 3 sgs silvery-white widening below, 1sg silvery below & on sides; 1 black; w clear; sq white.

Atrophopoda peruana, n.sp.—Bl, 5 mm; wl, 4-1/4 mm. 1 ♀, Cacaturo, Piura province, Perú, May 22, on herbage.

Blackish; h silvery-white, fp & fcl gray; pfrl blackish by direct view, thinly pol; frl dark brown; 1an brown, 2an & plp very pale fulvous, 3 an blackish; plr silvery, msc & sc less thickly so, 2 heavy wide black thv unbroken & reaching sc; ab shining, mv & narrow bases isgs thinly silvery, 4sg. more widely silvery on base; 1 black; w pale smoky-yellowish on cósta & wv; sq glassy-whitish.

Paradidyma peruviana, n. sp.—Bl, 7 mm; wl, 6 mm. 1 ♀, Chosica, Perú, 3000 ft., Oct. 18, indoors.

Differs from *P. validinervis* by ♀ vrw well over 1/3 hw, frs 2 below ba, frlw 2/3 pfrw, ocs same strength as hind pfro, fco 8 or 9 in row along inner edge of pfcl, ch 2/5 el, R5 brst 1/2w to R6, 5R closed considerably before wt, M3 much nearer cb & hardly its own length from same; plp yellowish or fulvous; 4 moderately wide equal black thv, not very heavy; wv yellowish, nos infuscate.

Leucostoma peruviana, n. sp.—Bl, 4-1/2 mm; wl, 3 mm. 1 ♀, Esquivel, Chancay valley, Perú, March 20, on foliage of cotton.

H silvery-white, occ dusky; frl & an black; plp light fulvous; plr & prsc thinly silvery; 4 black thv on prsc, iv linelike, ov blotchlike; psc, hsc & ab shining black, without pollen; 1 black; w clear, faintly yellowish costobasally; sq white.

Brachymasicera nigripes, n sp.—Bl, 7 mm; wl, 6 mm. 1 ♀, Pomalca, Chiclayo, Perú, June 13, on foliage of young sugarcane.

Differs from *B. polita* by showing scarcely a golden tinge to pollen, only a faint brassy tinge on pfrl & sides of ab including 4sg; 1 quite black; cb ang, with micro-stp; e distinctly shaved behind on lower 1/2; vx 2/3 anx, latter 3/5 hh; frlw conspicuously less than 1/2 pfrw; hs no longer than 1b; fcl very feebly cil 1/3w; mmtt eq fjs, hmtt nearly so; ♀ cls shorter than ltj.

AEOLOFRONTINA n. gen. (Genotype *Aleofrontina arida* n. sp.)

Differs from Madremya as follows: C well depressed, narrow; fcl flat-oblique, nearly 1/2 cw below, cil high with long strong ifrcl brs; plp very slender, slightly thk tip ♂; 2an somewhat elongate; ♂ 3an 4 x 2an, moderately heavy, eql, round-truncate tip; fr bare, porrect, thk 1/4w, bjs short; ♂ vrw nearly 1 3 hw, fr subeql on hind 1/2 & then widening to 1/3 hw at ba; fc in middle, nearly 1/2 hw; frs 3 or 4 below ba, 5 to 7 in all, 1 frr; frl slightly narrowed on middle, frlw eq pfrw; pfcl somewhat narrowed below, pfcw nearly 1-3 cw; ch fully 1/4 el, ocar extensive; 2 to 4 gno in bunch; 4 st, 3 ps; prsc considerably shorter than psc; long weak erect nondec aps; cs present: 5R long-pet, stalk about 2 x R6; cb ang ra, about in middle between fwm & hwm; lsc Cl fully 1/2 preceding; sq wide behind, long on outer side, ic subang.

Aeolofrontina arida n. sp.—Bl, 5 mm; wl, 4 mm. 2 ♂, canyons above Chosica, Perú, 5000 ft., Oct. 12, on rocks.

H silvery, pfrl & pfcl distinctly brassy; frl light brown; an blackish, 2an fulvous; plp fulvous; th silvery, 4 black thv, iv little narrower than ov; last 3 sgs silvery except broad hind borders & obscure mv. the pollen changeable with light incidence; 1 black; w nearly clear: sq smoky-yellowish.

APLOMYODORIA n. gn. (Genotipe, *Aplomyodoria arida* n. sp.).

Differs from Euloewiodoria as follows: Hw much greater than hh; c well sunken especially each side, narrowed upward, cl 2 x cw; low narrow fcc; ep distinctly warped; fcl steep, with sharp crests; v strong, dec; e reaching vl; ♂ vrw nearly 1/3 hw, fr widening gently to 1/3 hw at ba; fc widened gently, 1/2 hw in middle; 3 sprcl frs below ba, 4 strong & 3 weak behind ba; vrs 1 strong ♂, convergent; ovrs very weack, longer than ocf; no pfro ♂, 2 rfro well outside frs; frl well narrowed posteriorly, frlw rather over 1 2 pfrw; pfcw somewath over fclw reversed; ch about 1/5 el, mostly inside pslr & this part facing below; chg arc & occupying space between e & pslr; no ptl, 3 hm, 2 pri, 3 pi, 2 prsa, 3 pra;

scars of aps & 1 ds; cs small but distinct; 5R rather narrowly open well before wt; M3 sin, nearer cb, its length from same; lsc C1 little over 1/3 preceding; mmtt & hmtt eq fjs; ♂ cls shor; ♂ ab ovoconic; 1 long slender mm on 1sg.

Aplomyodoria arida, n.sp.—Bl, 6-1/2 mm; wl, 5-1/2 mm. 1 ♂, canyons abovs Chosica, Perú, 3800 ft., April 20, on rock.

Black; h silvery, pfcl distinctly brassy; frl, an ♀ plp blackish; th thinly silvery, 4 black thv moderately distinct, iv a little narrower; last 3 sgs silvery-white on extreme base, isgs thinly silvery on rest of irregular basal 1/2, 4ag thinly silvery on sides & vn; 1 black; w clear; sq whistish.

Argyrochaetona peruana, n.sp.—Bl, 6 mm; wl, 5 mm. 1 ♂, Cartavio, Trujillo, Perú, June 5, on herbage bordering sugarcane.

Differs from *A. cubana* by ♂ frl quite covered anteriorly as well as posteriorly by pfrl, latter almost contiguous from oct to ln; *male* vrw 1/4 hw, fr faintly narrowed anteriorly but over 1/5 hw at ba, 1 quite strong rfro. 3 strong pa, aps dec & moderately strong but short, R5 with 3 brs extending not over 1/5w to R6, narrowly open 3 x mw before wt, M3 its length from cb, quite strong mm pr on 1sg; pollen of whole upper parts pale golden including vr, octh, ind portion pfrl & uoo; 4 equal narrow black thv, ab rufous on sides, 1 blackish.

STENAULACODORIA n. gen. (Genotype, *Stenaulcodoria spatulata* n. sp.).

Differs from Minthohoughia as follows: C moderately deep; e reaching to moml but not to vl; fc eql, same width as anterior fr; short prcl-div ocs; pfcl not pinched to point below; ch nearly 1/8 el; R5 brst to R6; 5R open well before wt, narrowed at tip; M3 a little nearer cb, ♀ ab ovate, little longer than th.

Stenaulacodoria spatulata, n. sp.—Bl, 4 mm; wl, 3-1/2 mm. 1 ♀, Cañete, Perú, March 17. on foliage sugarcane.

H silvery-white, occ dull silverry; frl black; an blackish, 3an fulvous on base; plp pale fulvous; th silvery, no distinct thv; ab shining black, last 3 sgs narrowly & evenly silvery-white on base; 1 black, w clear, sq white.

Anazygosturmia macarensis, n.sp.—Bl, 8 mm; wl, 7-1/2 mm. 1 *male* La Tina, Río Macará, Perú, May 25, on foliage.

Blackish; occ, ch, fp & fcl leaden-silvery; pfrl, pfcl & oo pale golden; frl & an dark brown, 2an faintly reddish terminally; plp fulvous, dusky on base; plr silvery with faint brassy tinge, msc & sc slightly more brassy, 4 blackish thv of equal width; ab with faint brassy tinge to pollen, tergum of 1sg, mv & obscure wider lateral vitta blackish; 1 blackish, w nearly clear, sq sordid-whitish.

Okea peruviana, n. sp.—Bl, 7-1/2 to 8 mm; wl, 6 to 6-1/2 mm. 5 *male* Lima, Perú, Jany 11, on foliage.

Differs from *O. okefenokeensis* by *male* vrw 1/4 hw, 2an shorter, *male* 3an 2 x 2sn, mm pr on 2ag *male* & 1 longer br in cilia of htb; black pollen of fr & msc faintly brassy, frl an blackish; plp fulvous to pale brown, tipped with blackish; the 4 equally wide black thv nearly coalesced into 2 heavy ones; ab obscurely rufous on sides, last 3 sgs broadly silvery-whitish on base, terminal 1/2 of 4sg rufous; 1 blackish; w clear; sq whitish, border yellowish.

Olenochaeta peruviana n. sp.—Bl, 6-1/2 mm; wl, 5-1/2 mm. 1 *female* Tambo Real, Río Santa, Perú, May 31, on fls Euphorbia in cotton field.

Differs from *O. kansensis* by R5 brst 1/2w to R6, M3 in middle' fc slightly narrowed below; pfrl golden. th *x* ab brassy-silvery pol, 1sg *x* hind margins isg3 black-4 black nearly equally heavy thv; iv slightly narrower *x* stopping before middle of psc, continued posteriorly by rust-gold streak; sc testacous on tip beneath the pollen.

VALPOGONIA, n. gen. (Genotype, *Valpogonia chilensis* n. sp.)

Differs from Dolichogonia as follows: H1 5/6 hh; c deep, narrow, eql, cl nearly 3 x cw; ep moderately warped; fcl almost on edge, cil nearly 1/2w; p eq hh, hs little over 1/2 hh; plp rather slender, length of 3an or fmtt, m 3an over 1-1/2 x 2an; ar not as long as 3an, 2ar scarcely 1/3 of 3ar; *female* vrw 2/5 hw, fr widened gently forward, fc 3/5 hw in middle, fr x fc appearing subeql in front view; 2 pfro *female* in semicircle; pvrs much shorther than ocs; pfcl with irregular rows of subequal brs, pfcw nearly 2 x cw; ch 2/5 el; aps erect; cs short; lse Cl less than 1/3 preceding; 1 mm on 1sg.

Valpogonia chilensis, n. sp.—Bl, 7 mm; wl, 5-1/2 mm. 1 *female* hills back of Valparaíso, Chile, Feby. 15, on ground.

Black; h silvery-white, frl brown but with thin silvery bloom; an blackish, bjs fulvous, ar black; plp pale straw-yellowish; ocb whitish; plr very faintly silvery, msc thinly silvery, 4 equally heavy black thv; sc testaceous, dusky on extreme base, thinly silvery; ab without red, isgs silvery pol except irregular hind borders; 1 black, w clear, sq nearly white.

Valpogonia similis, n. sp.—Bl, 7-1/2 mm; wl, 5-1/2 mm. 1 ♀ same date & place as preceding.

Differs from *V. chilensis* by pfcw hardly 1-1/2 x cw, vrw 5/13 hw, 3an 1-1/4 x 2an, frl on ml little over 2 x as long as wide, folw eq pfrw, 3 for, 3 pfro, 1 sc cl over 1/3 preceding: pfcl more thictly brst, 3h m, cb nearly ra; pollen of h dull silvery, pfrl & msc with faintest suggestion of brassy, plp dusky on terminal 1/2.

Erigonopsis puntarenensis, n. sp.—Bl. 9 mm; wl, 7 mm. 1 ♀ Punta Arenas, Chile, Feby. 5, on fls Chrysanthemum.

Differs from *E. arequipae* by hs quite eq hh, pfcl bearing both brs & setae, ch 2/3 el, cb quite 1/2w between fwm & hwm, R5 brst 1/4 to R6 : ocs faintly prcl, almost exactly div; 3 rfro, v only moderately longer than brs

below them; hl eq hh; no golden tinge to pollen of h or b, ep pale testaceous with thin pollen, o cb whitish; the broad mv showing imperfectly coalesced narrow iv & mv espeeially behind ts, apex sc scarcely paler, ab & 1 wholly black, isgs *x* base 4sg thinly silvery-white, wv blackish, sq whitish.

Spanipalpus australis, n. sp.—Bl, 8 mm; wl, 7 mm. 1 *female* Punta Arenas.Chile, Feb. 5,on fls Chrysanthemum.

Differs from *S. miscelli* by ch nearly 3/4 el 2 or 3 frs below ba; 3an slightly widened apically *x* truncate at tip 1-1/2 x as long as wide; ep nasutely produced, warped at angle of 60 degrees foward from cpl, epl 1/2 epw; aps well over 1/2 length of 1s, ab nearly as wide as long; 3sg with slightly broken mr of 12, 10 of these showing on tergum *x* the mm pr slightly more sep from rest of row, 4sg with irregularly set m, subm *x* d brs; main axis M3 practically in line with that of M1, both parallel to hwm; cb 3/4 ww from hwm sc set with weak erect brs besides the 1 ds, latter not erect, the hindmost erect brs as long as ds *x* gradually shortening anteriorly; M3 1/2 its length from cb; *female* ft widened; black, banjs *x* hind 1/2 of 4sg rufofulvous, ep pale straw-color, chg reddish-brown, ocb brassy-yellowish; h silvery, fr *x* lower ch blackish through the thin pollen; th very thinly silvery-white pol, 4 wide black thv faintly showing; last 3 sgs thinly silvery-white on base; 1 wholly black, w clear, sq white.