

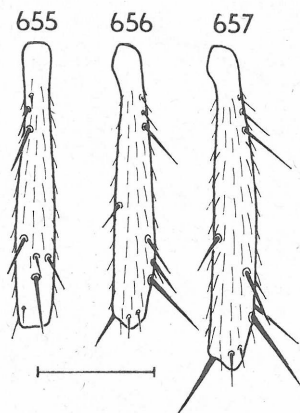
Slezské muzeum
Entomologické oddělení
Opava (ČSSR)

JINDŘICH ROHÁČEK

A monograph and re-classification of the previous genus *Limosina* MACQUART (Diptera, Sphaeroceridae) of Europe

With 1098 text figures

Part IV*



Figs. 655–657. *Spelobia* (*S.*) *belanica* spec. nov. 655 – male t_2 dorsally; 656 – dtto anteriorly (holotype); 657 – female t_2 anteriorly (allotype). Scale = 0.2 mm.

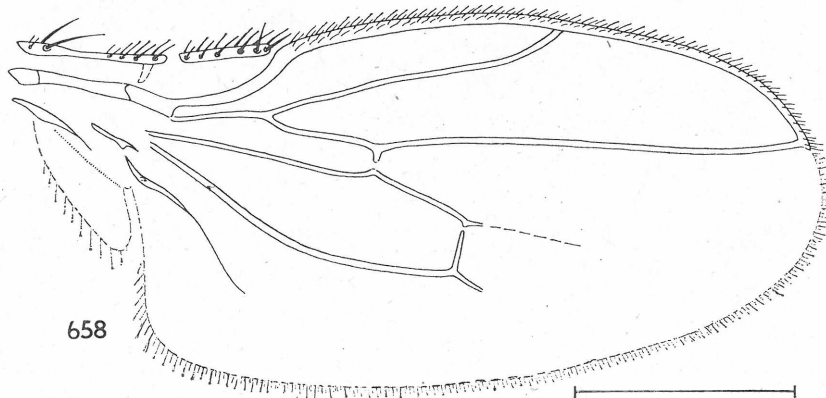
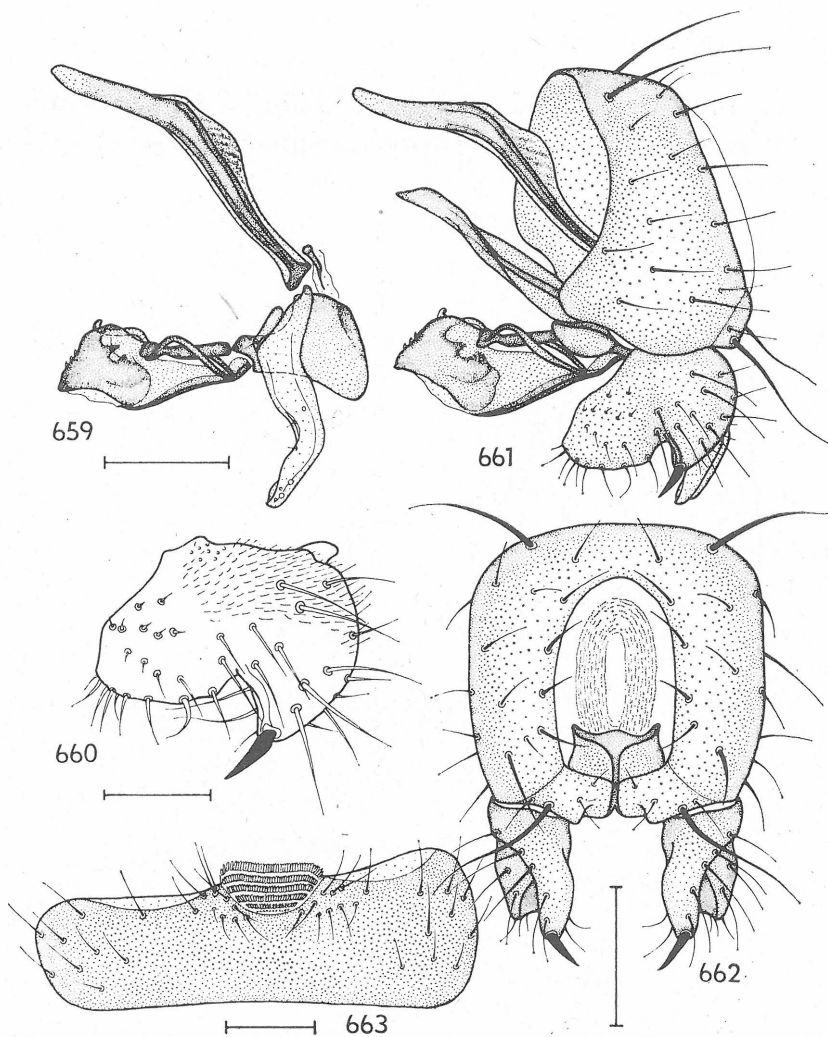
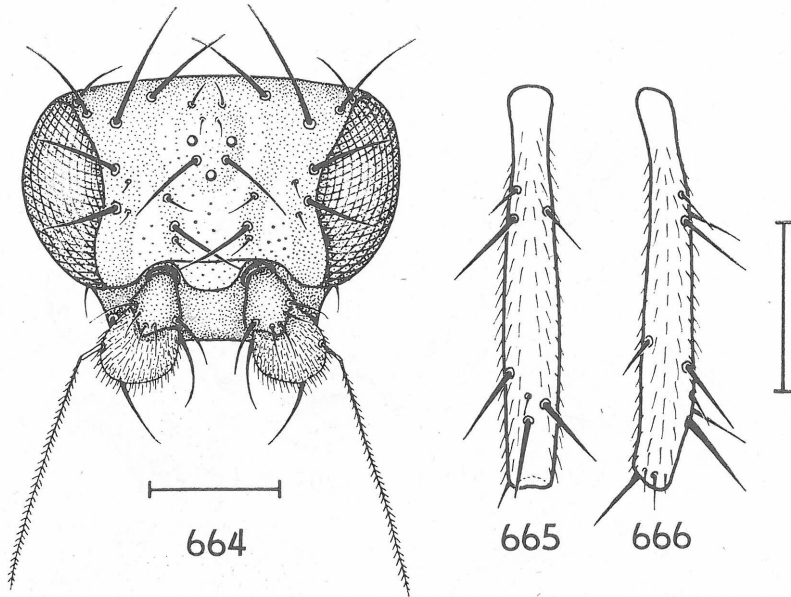


Fig. 658. *Spelobia* (*S.*) *belanica* spec. nov. (♀, allotype), wing. Scale = 0.5 mm.

* Part I in: Beitr. Ent. 32, 195–282; 1982. – Part II in: Beitr. Ent. 33, 3–195; 1983. – Part III in: Beitr. Ent. 33, 203–255; 1983.



Figs. 659–663. *Spelobia* (*S.*) *belanica* spec. nov. (♂, holotype). 659 – aedeagal complex laterally (only left postgonite figured); 660 – telomere; 661 – genitalia laterally; 662 – dtto caudally (aedeagal complex omitted); 663 – *S5*. Scales: Figs. 659, 661–663 = 0.1 mm, Fig. 660 = 0.05 mm.



Figs. 664–666. *Spelobia (S.) pappi* spec. nov. 664 – head dorsofrontally (holotype); 665 – male t_2 dorsally; 666 – dtto anteriorly (paratype, Czechoslovakia). Scale = 0.2 mm.

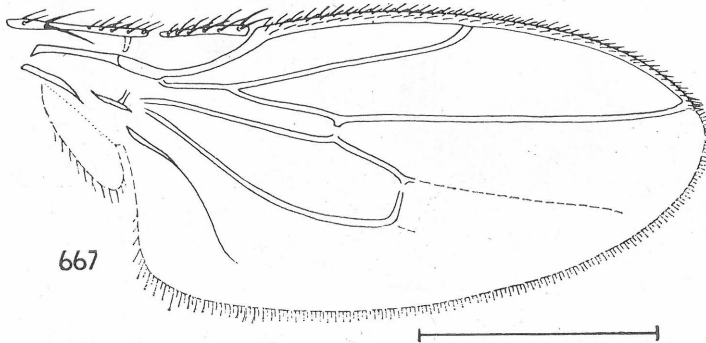
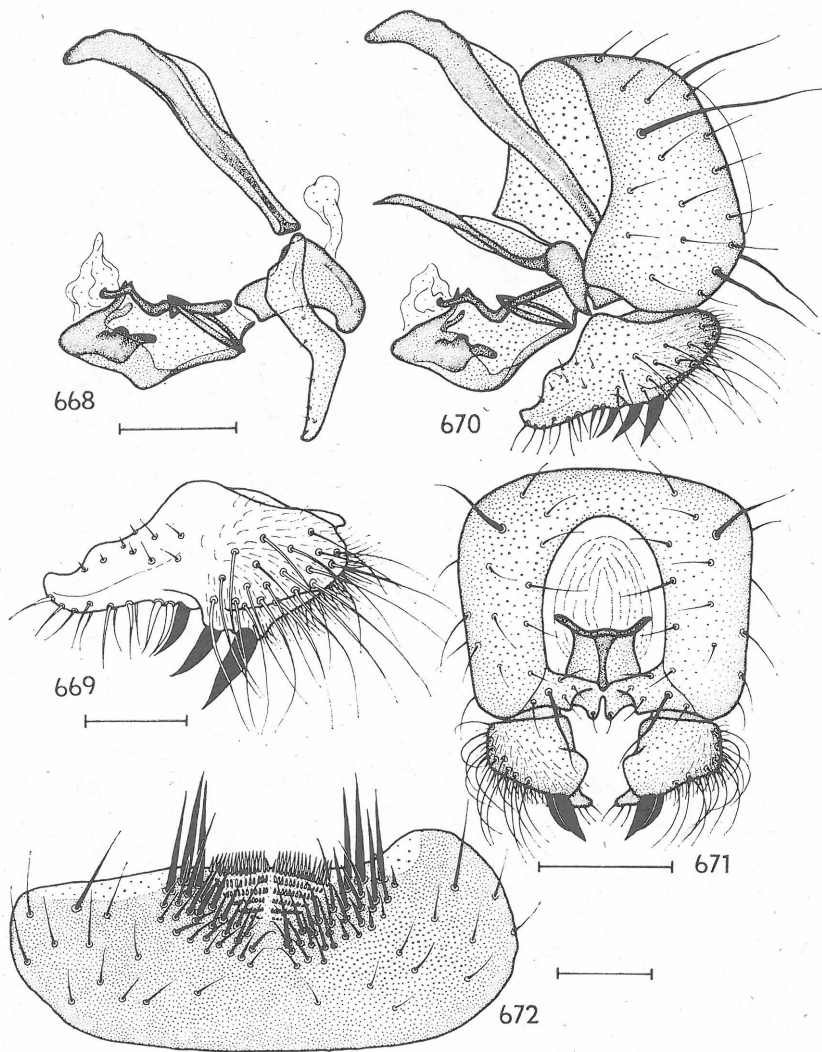
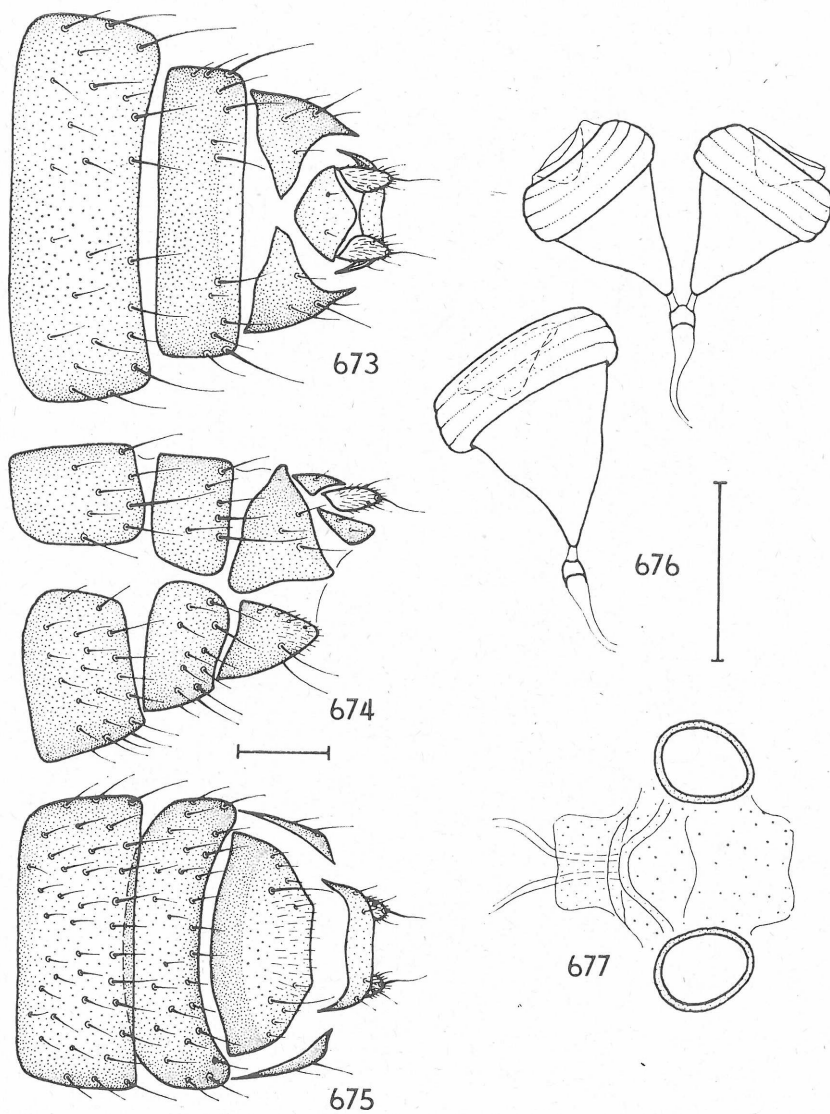


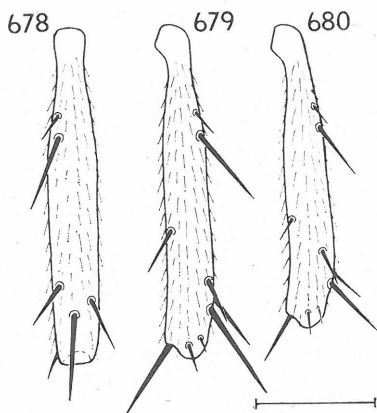
Fig. 667. *Spelobia (S.) pappi* spec. nov. (♀, paratype), wing. Scale = 0.5 mm.



Figs. 668–672. *Spelobia* (*S.*) *pappi* spec. nov. (♂, paratype). 668 – aedeagal complex laterally (only left postgonite figured); 669 – telomere; 670 – genitalia laterally; 671 – ditto caudally (aedeagal complex omitted); 672 – *S5*. Scales: Figs. 668, 670–672 = 0.1 mm, Fig. 669 = 0.05 mm.



Figs. 673–677. *Spelobia (S.) pappi* spec. nov. (♀, paratype). 673 – postabdomen dorsally; 674 – ditto laterally; 675 – ditto ventrally; 676 – spermathecae; 677 – spectacles-shaped sclerite ventrally. Scales = 0.1 mm.



Figs. 678–680. *Spelobia* (*S.*) *cambrica* (RICHARDS) (Czechoslovakia). 678 – female t_2 dorsally; 679 – *ditto* anteriorly; 680 – male t_2 anteriorly. Scale = 0.2 mm.

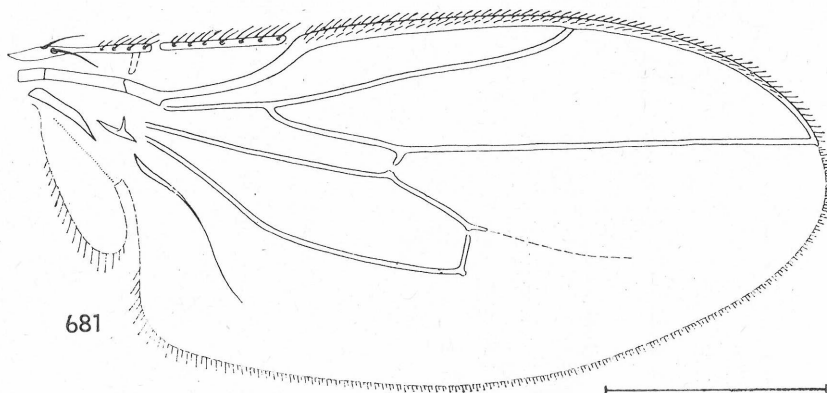
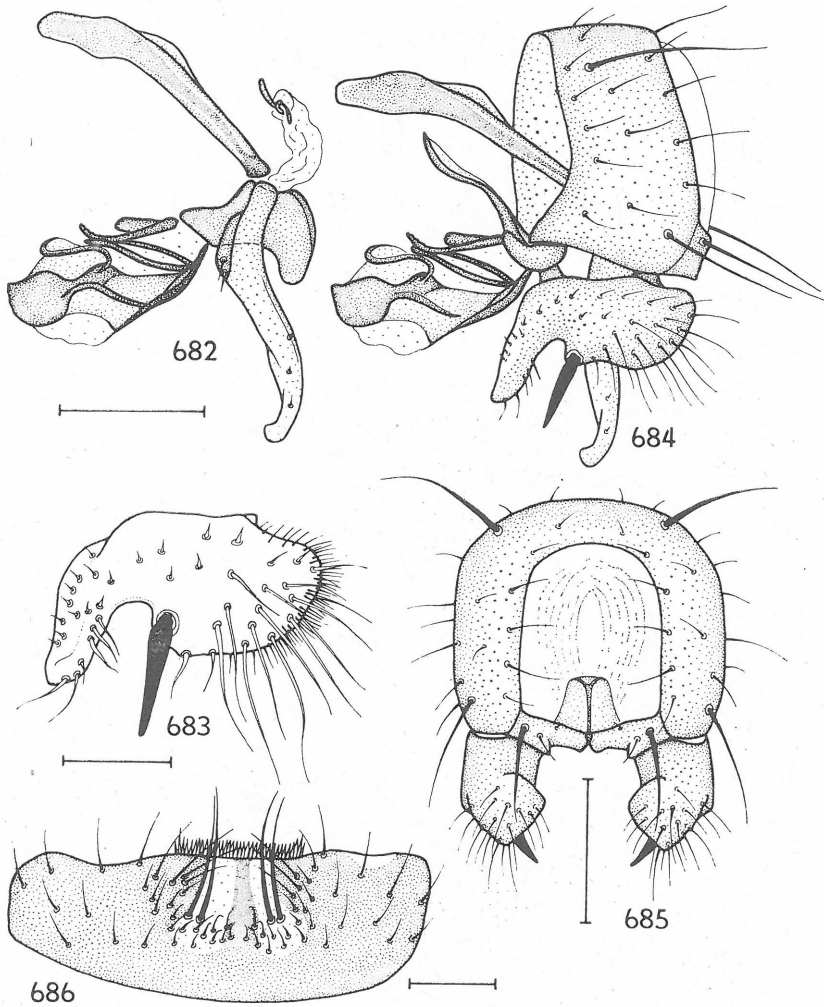
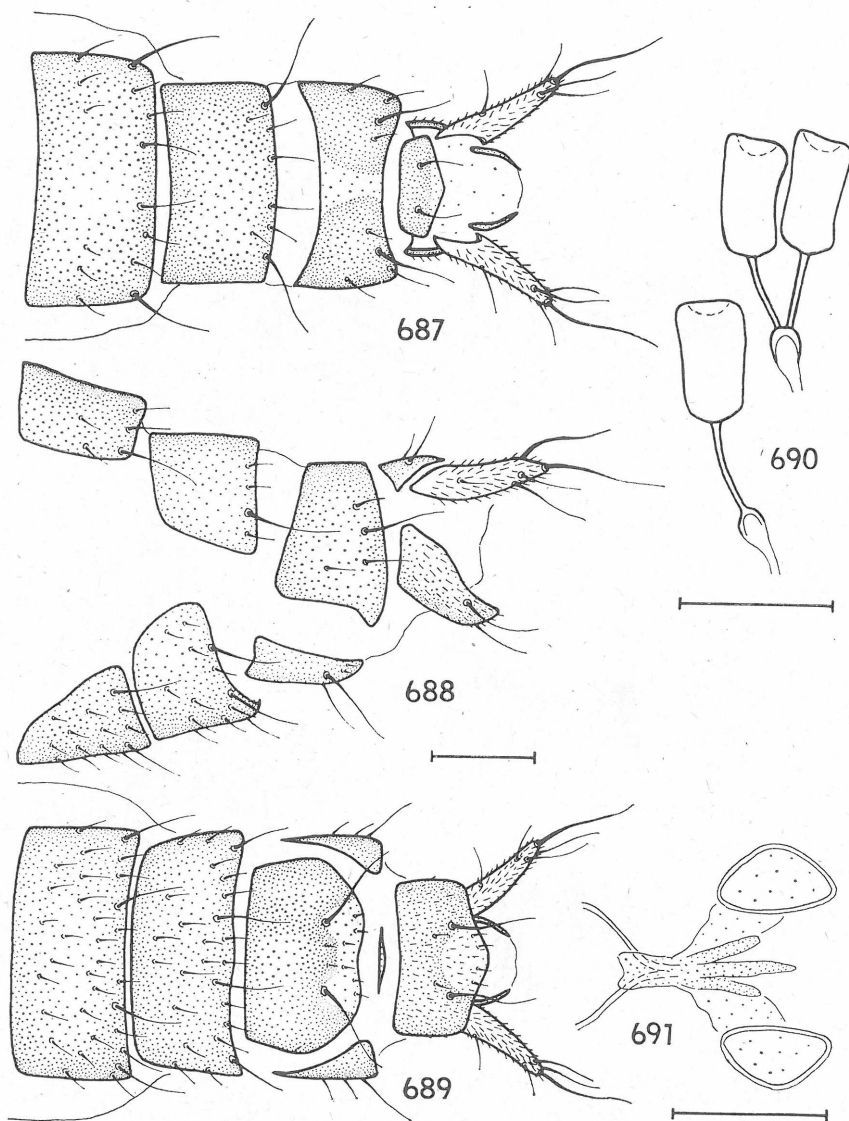


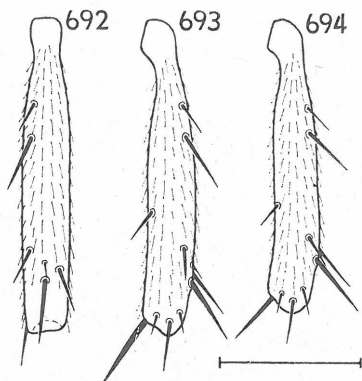
Fig. 681. *Spelobia* (*S.*) *cambrica* (RICHARDS) (♂, Czechoslovakia), wing. Scale = 0.5 mm.



Figs. 682–686. *Spelobia* (*S.*) *cambrica* (RICHARDS) (♂, Czechoslovakia). 682 – aedeagal complex laterally (only left postgonite figured); 683 – telomere; 684 – genitalia laterally; 685 – dtto caudally (aedeagal complex omitted); 686 – *S5*. Scales: Figs. 682, 684–686 = 0.1 mm, Fig. 683 = 0.05 mm.



Figs. 687–691. *Spelobia* (*S.*) *cambrica* (RICHARDS) (♀, Czechoslovakia). 687 – postabdomen dorsally; 688 – dtto laterally; 689 – dtto ventrally; 690 – spermathecae; 691 – spectacles-shaped sclerite ventrally. Scales = 0.1 mm.



Figs. 692-694. *Spelobia* (B.) *bifrons* (STENHAMMAR) (Czechoslovakia). 692 - female *t*₂ dorsally; 693 - dtto anteriorly; 694 - male *t*₂ anteriorly. Scale = 0.2 mm.

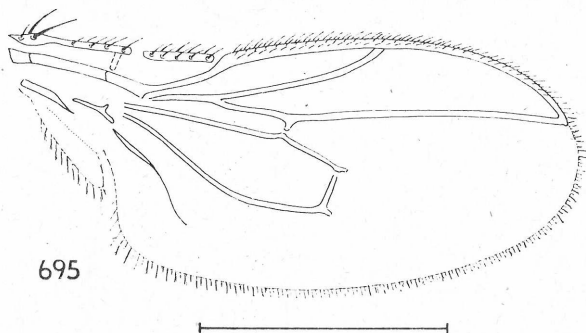
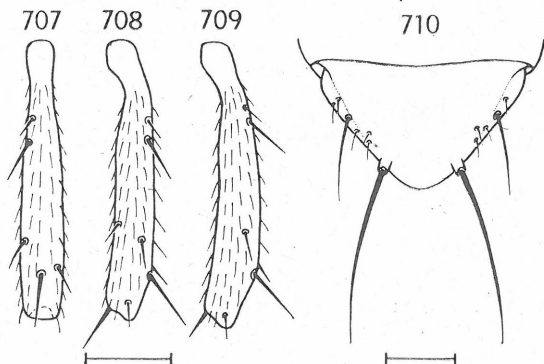
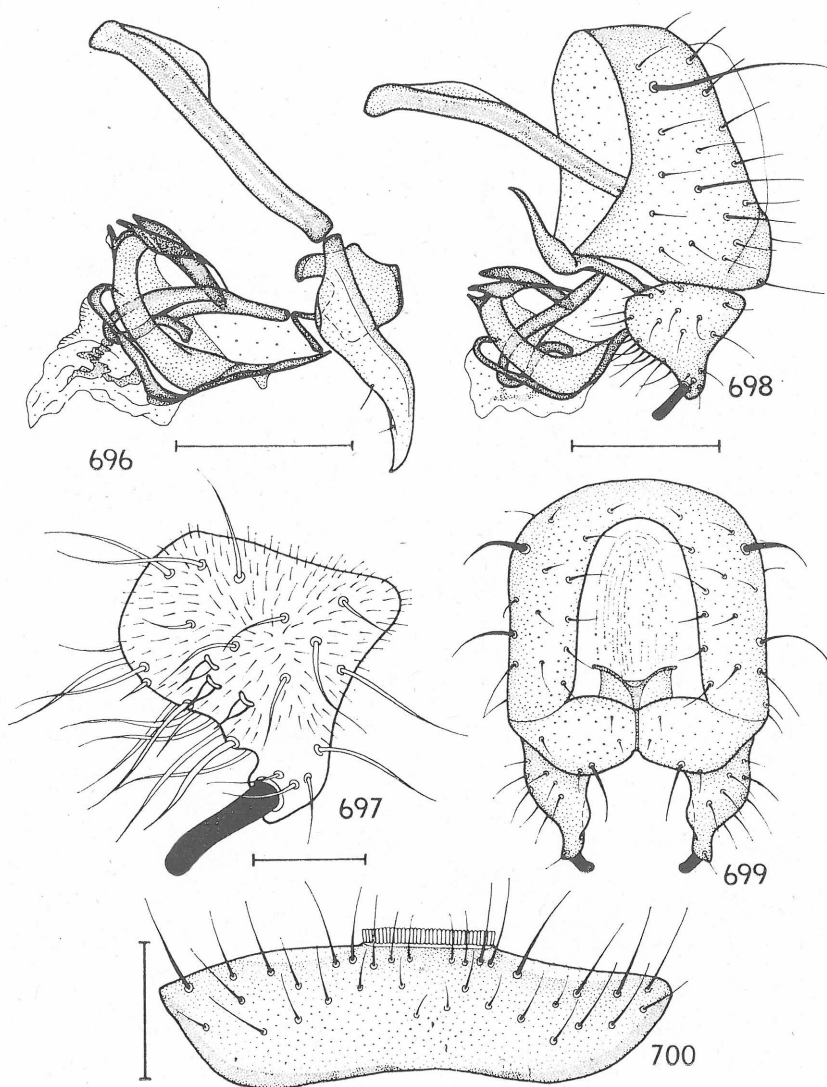


Fig. 695. *Spelobia* (B.) *bifrons* (STENHAMMAR) (♂, Czechoslovakia), wing. Scale = 0.5 mm.

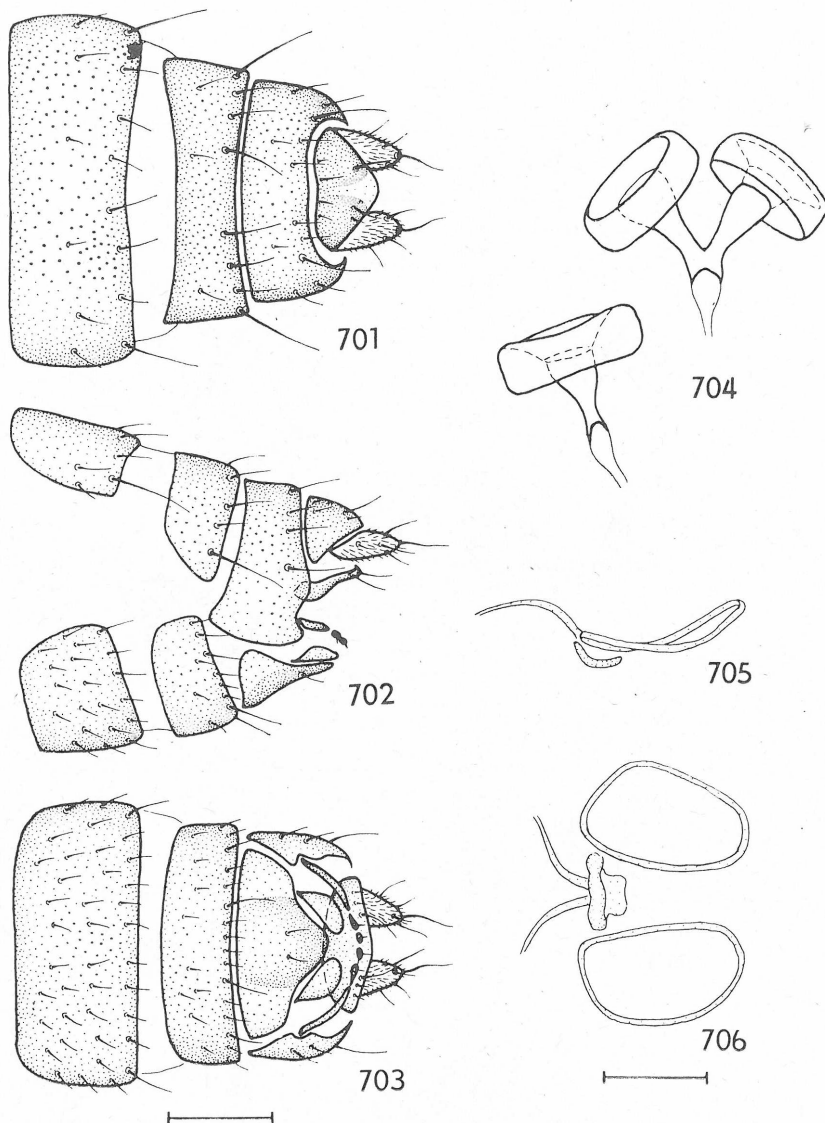


Figs. 707-710. *Pullimosina* (D.) *dahli* (DUDA) (Czechoslovakia). 707 - female *t*₂ dorsally; 708 - dtto anteriorly; 709 - male *t*₂ anteriorly; 710 - scutellum dorsally. Scales = 0.1 mm.

Figs. 696-700 see page 110
Figs. 701-706 see page 111



Figs. 696–700. *Spelobia (B.) bifrons* (STENHAMMAR) (♂, Czechoslovakia). 696 – aedeagal complex laterally (only left postgonite figured); 697 – telomere; 698 – genitalia laterally; 699 – dtto caudally (aedeagal complex omitted); 700 – *S5*. Scales: Figs. 696, 698–700 = 0.1 mm, Fig. 697 = 0.03 mm.



Figs. 701–706. *Spelobia (B.) bifrons* (STENHAMMAR) (♀, Czechoslovakia). 701 – postabdomen dorsally; 702 – dtdo laterally; 703 – dtdo ventrally; 704 – spermathecae; 705 – spectacles – shaped sclerite laterally; 706 – dtdo ventrally. Scales: Figs. 701–703 = 0.1 mm, Figs. 704–706 = 0.05 mm.

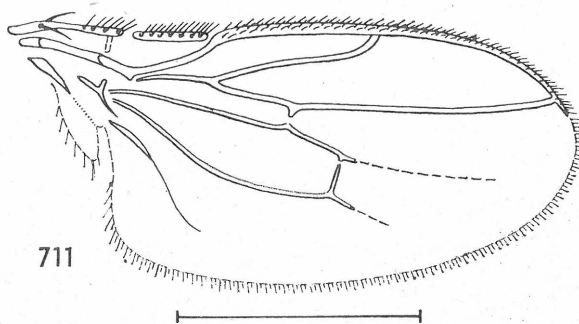
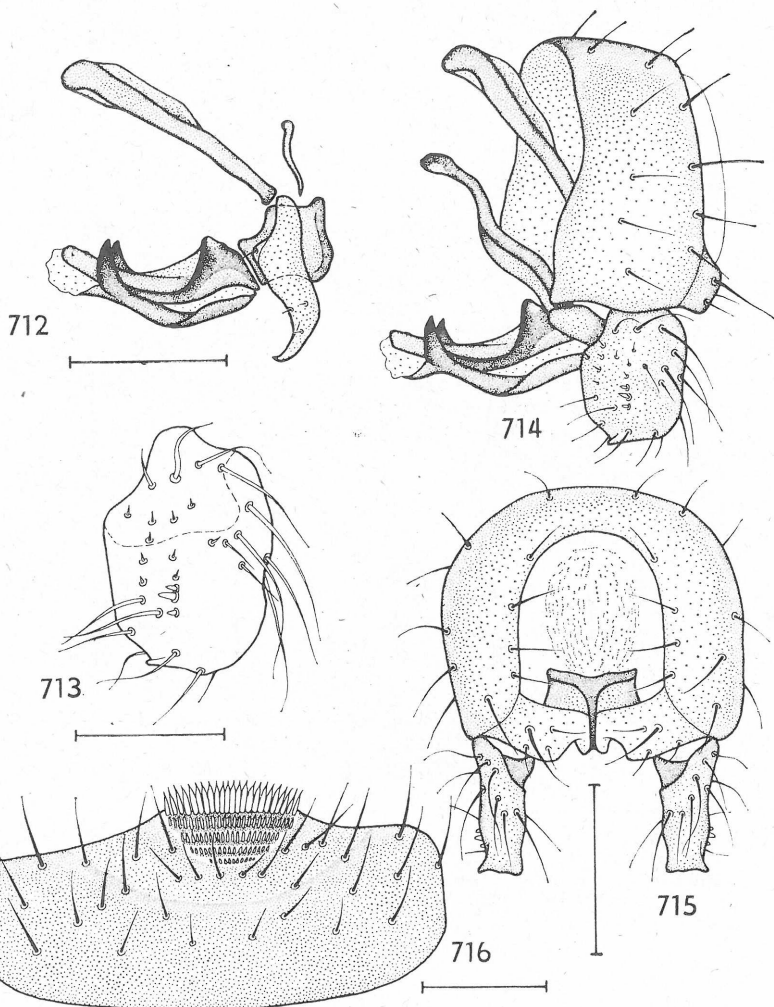
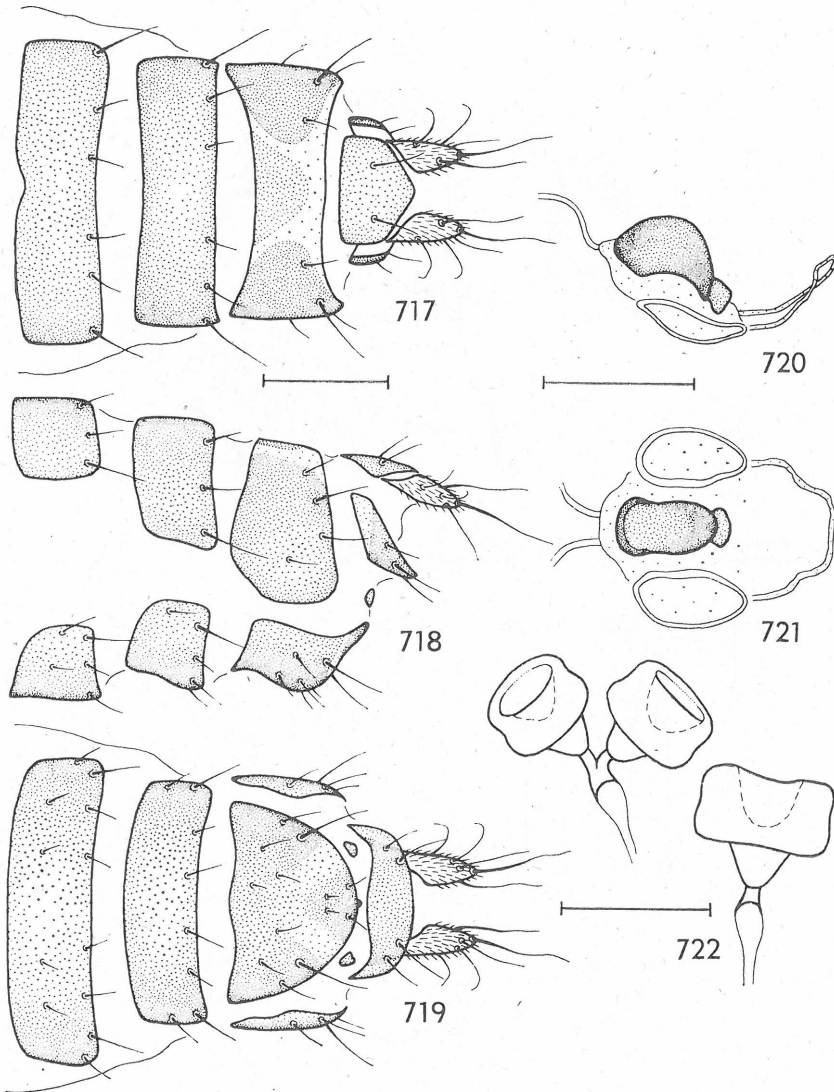


Fig. 711. *Pullimosina* (D.) *dahli* (DUDA) (♂, Czechoslovakia), wing. Scale = 0.5 mm.



Figs. 712–716. *Pullimosina* (D.) *dahli* (DUDA) (♂, Czechoslovakia). 712 – aedeagal complex laterally (only left postgonite figured); 713 – telomere; 714 – genitalia laterally; 715 – ditto caudally (aedeagal complex omitted); 716 – S5. Scales: Figs. 712, 714–716 = 0.1 mm, Fig. 713 = 0.05 mm.



Figs. 717–722. *Pullimosina (D.) dahli* (DUDA) (♀, Czechoslovakia). 717 – postabdomen dorsally; 718 – dtto laterally; 719 – dtto ventrally; 720 – spectacles-shaped sclerite laterally; 721 – dtto ventrally; 722 – spermathecae. Scales: Figs. 717–721 = 0.1 mm, Fig. 722 = 0.05 mm.

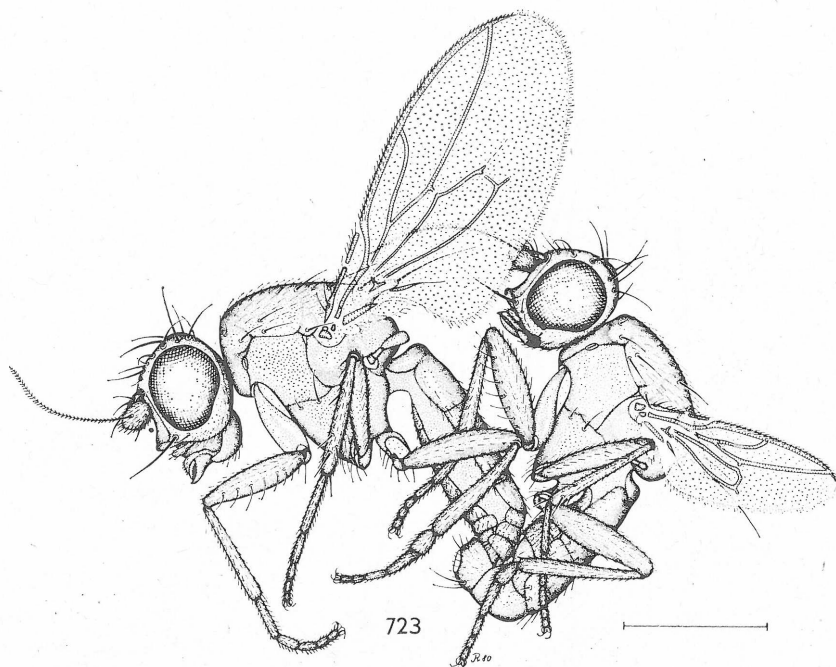
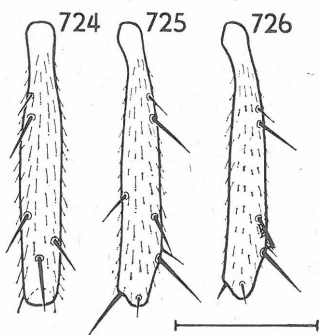


Fig. 723. *Pullimosina* (*P.*) *meijerei* (DUDA), brachypterous male in copula with macropterous female (based on specimens from Czechoslovakia, JRO). Scale = 0.5 mm.



Figs. 724–726. *Pullimosina* (*P.*) *heteroneura* (HALIDAY) (Czechoslovakia). 724 — female t_2 dorsally; 725 — dtto anteriorly; 726 — male t_2 anteriorly. Scale = 0.2 mm.

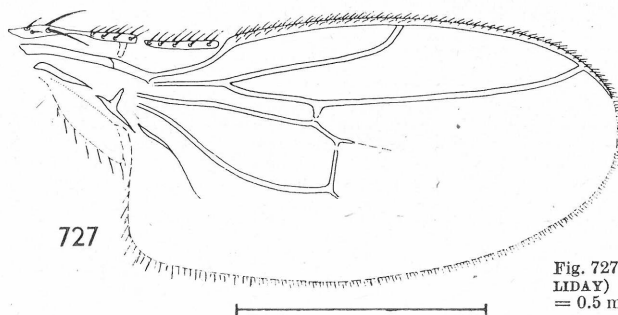
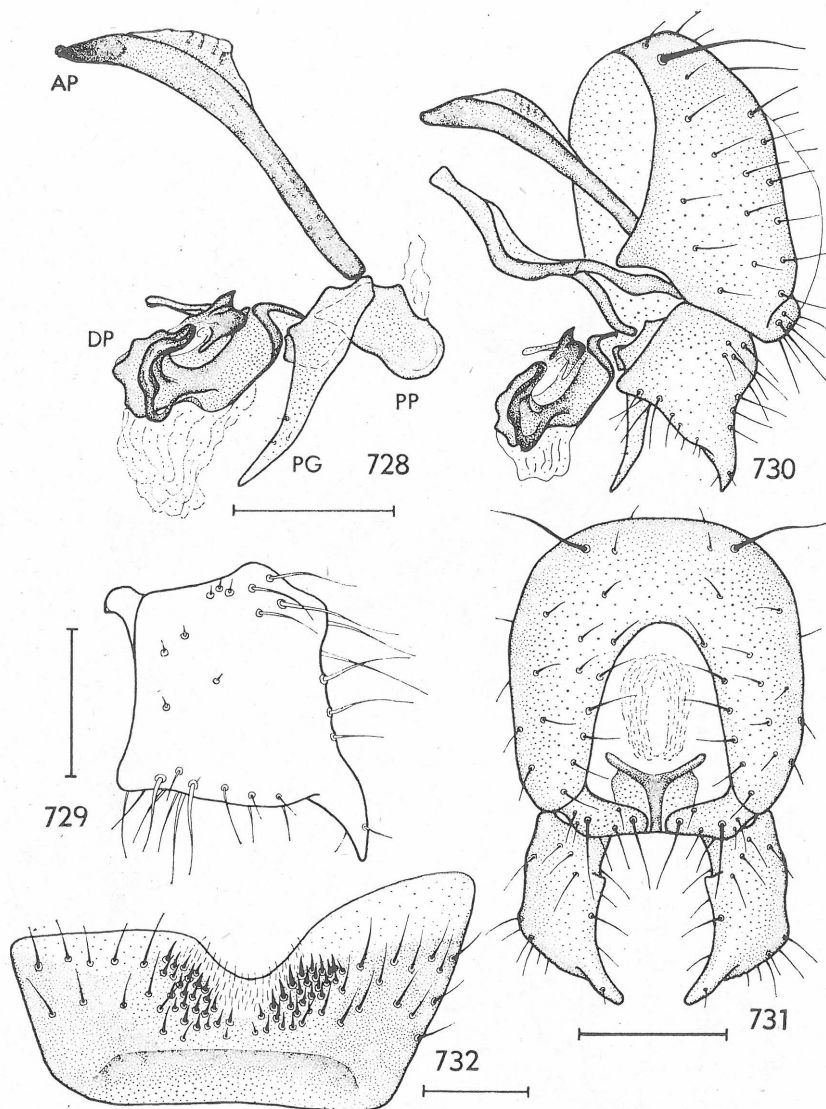
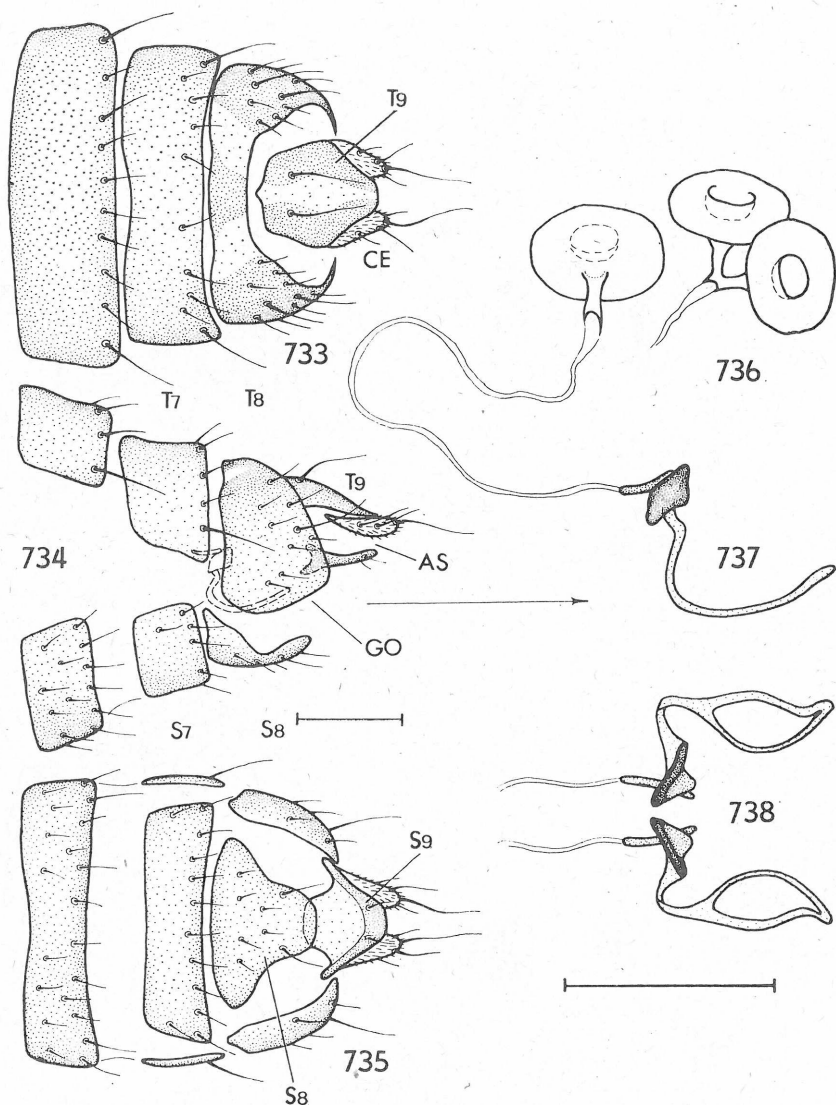


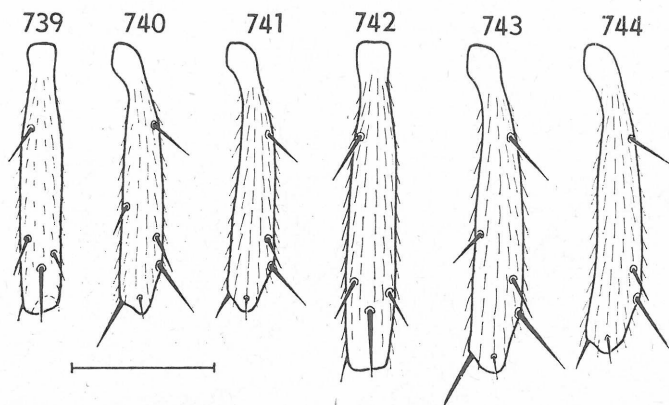
Fig. 727. *Pullimosina* (*P.*) *heteroneura* (HALIDAY) (♂, Czechoslovakia), wing. Scale = 0.5 mm.



Figs. 728–732. *Pullimosina* (*P.*) *heteroneura* (HALIDAY) (♂, Czechoslovakia). 728 – aedeagal complex laterally (only left postgonite figured); 729 – telomere; 730 – genitalia laterally; 731 – dtto caudally (aedeagal complex omitted); 732 – *S5*. Scales: Figs. 728, 730–732 = 0.1 mm, Fig. 729 = 0.05 mm. Abbreviations: see p. 198 (Part I).



Figs. 733–738. *Pullimosina* (*P.*) *heteroneura* (HALIDAY) (♀, Czechoslovakia). 733 – postabdomen dorsally; 734 – dtdo laterally; 735 – dtdo ventrally; 736 – spermathecae; 737 – spectacles-shaped sclerite laterally; 738 – dtdo ventrally. Scales = 0.1 mm. Abbreviations: see p. 198 (Part I).



Figs. 739–744. Figs. 739–741. *Pullimosina* (*P.*) *antennata* (DUDA) (Czechoslovakia). 739 – female t_2 dorsally; 740 – dtto anteriorly; 741 – male t_2 anteriorly. Figs. 742–744. *Pullimosina* (*P.*) *moesta* (VILLENEUVE) (Czechoslovakia). 742 – female t_2 dorsally; 743 – dtto anteriorly; 744 – male t_2 anteriorly. Scale = 0.2 mm.

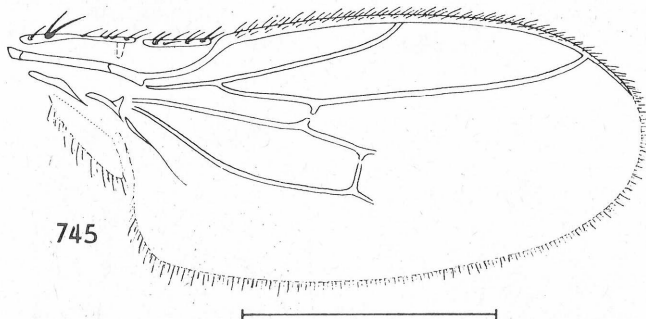


Fig. 745. *Pullimosina* (*P.*) *antennata* (DUDA) (♂, Czechoslovakia), wing. Scale = 0.5 mm.

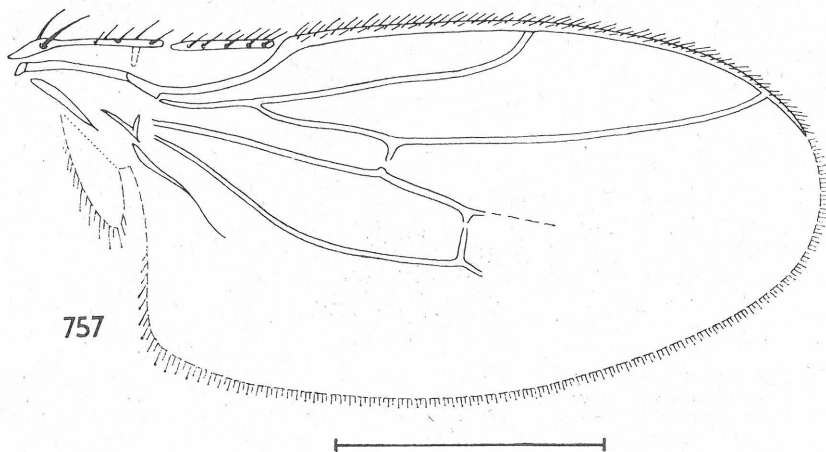
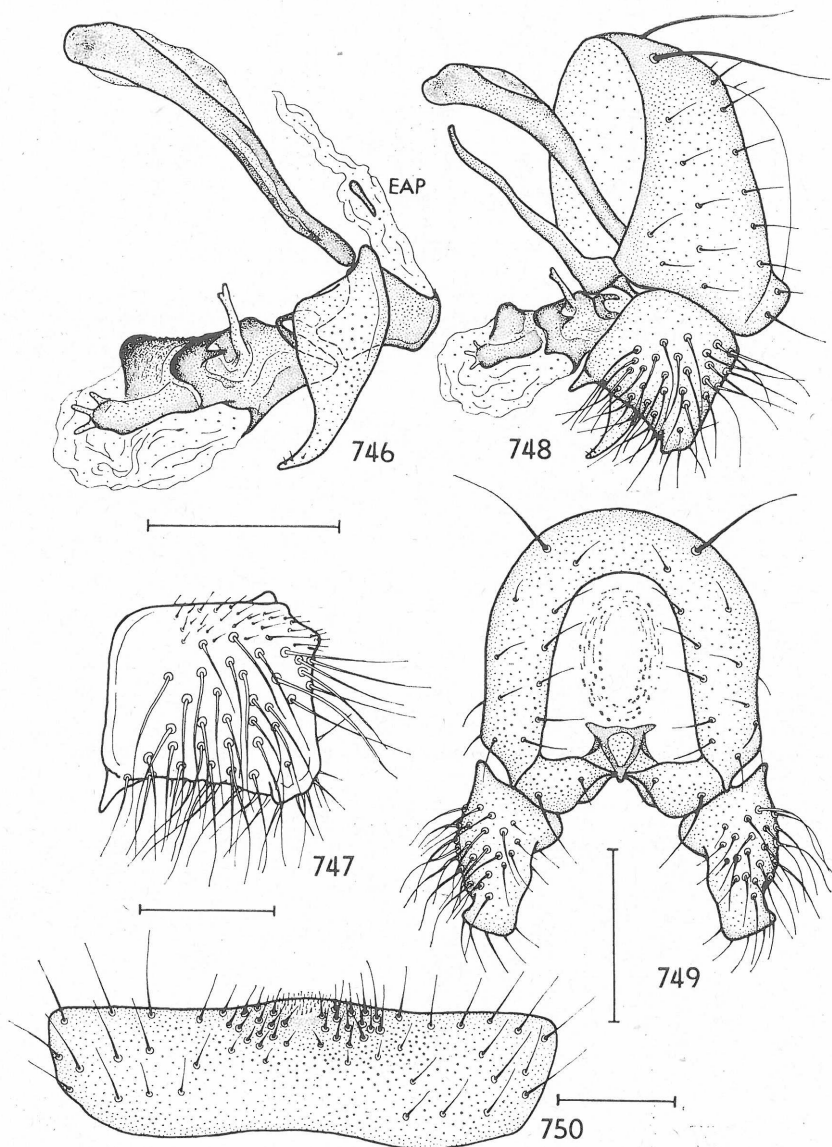
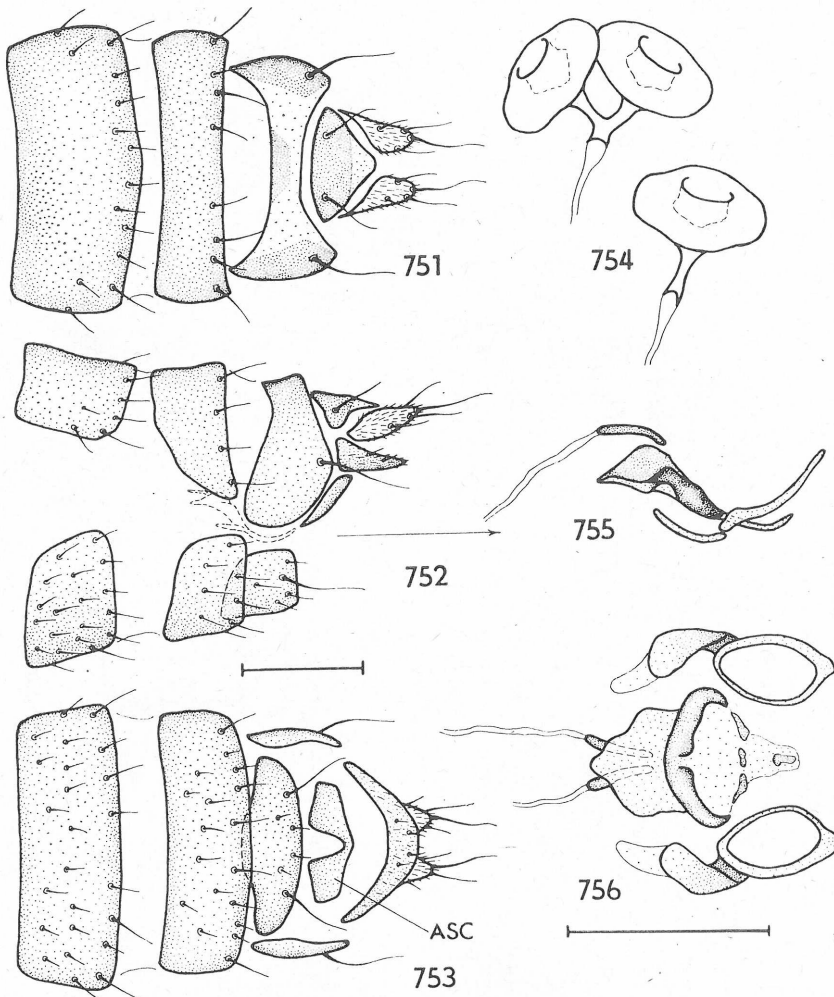


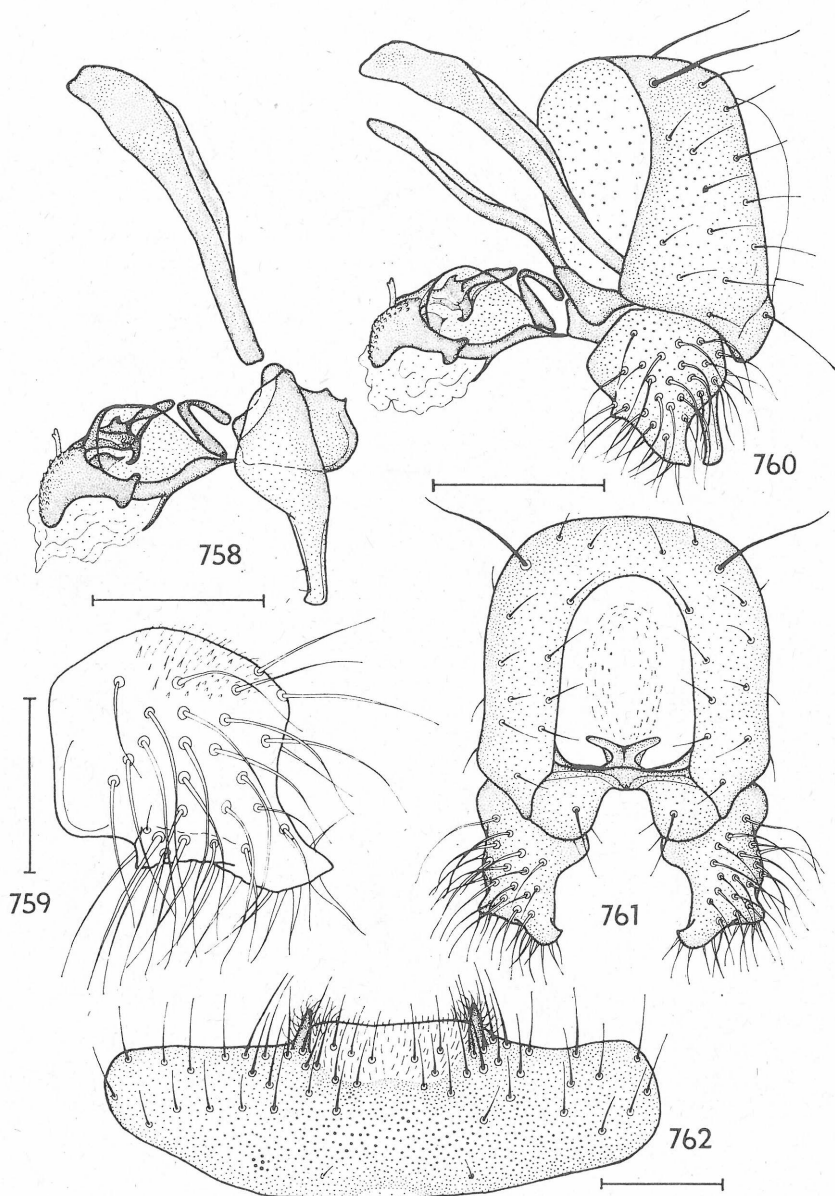
Fig. 757. *Pullimosina* (*P.*) *moesta* (VILLENEUVE) (♀, Czechoslovakia), wing. Scale = 0.5 mm.



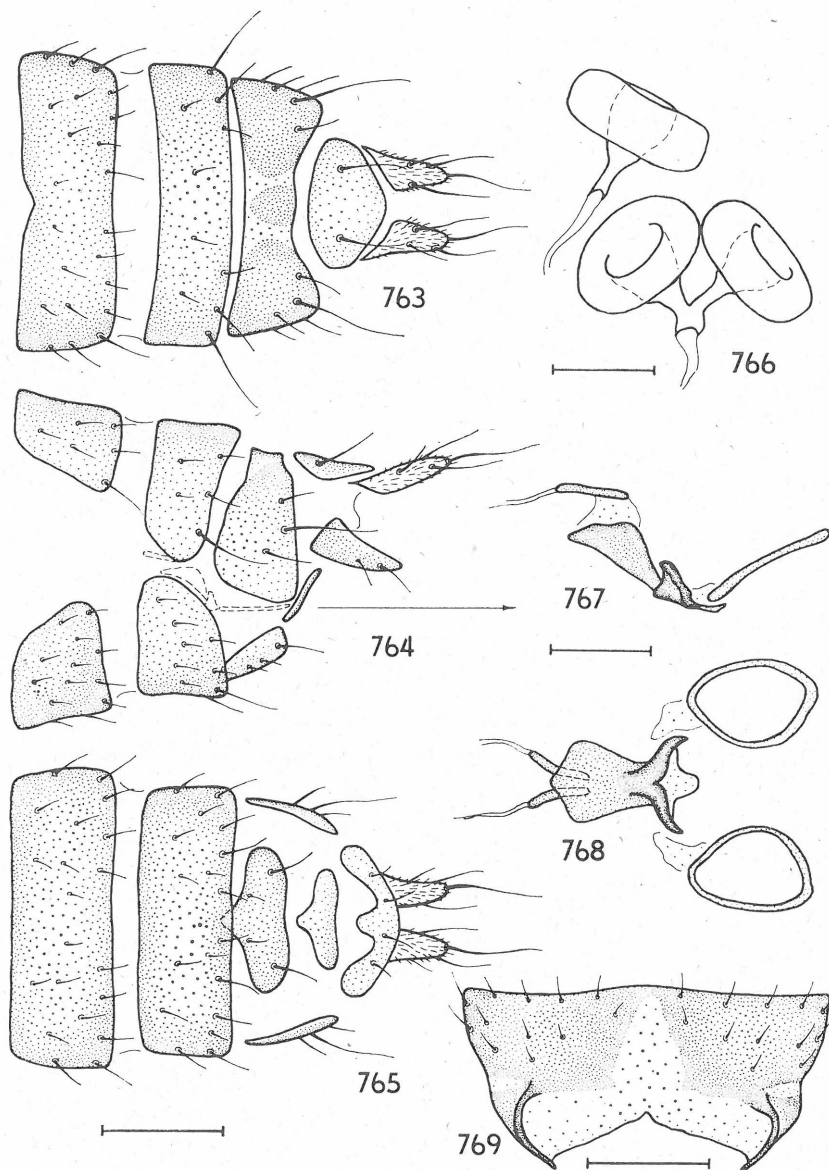
Figs. 746–750. *Pullimosina* (*P.*) *antennata* (DUDA) (♂, Czechoslovakia). 746 – aedeagal complex laterally (only left postgonite figured); 747 – telomere; 748 – genitalia laterally; 749 – dtto caudally (aedeagal complex omitted); 750 – *S5*. Scales: Figs. 746, 748–750 = 0.1 mm, Fig. 747 = 0.05 mm. Abbreviations: see p. 198 (Part I).



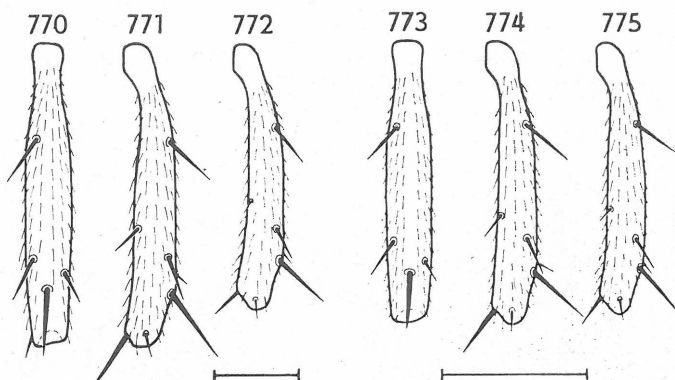
Figs. 751–756. *Pullimosina (P.) antennata* (DUDA) (♀, Czechoslovakia). 751 – postabdomen dorsally; 752 – dtto laterally; 753 – dtto ventrally; 754 – spermathecae; 755 – spectacles-shaped sclerite laterally; 756 – dtto ventrally. Scales = 0.1 mm. Abbreviations: see p. 198 (Part I).



Figs. 758–762. *Pullimosina* (*P.*) *moesta* (VILLENEUVE) (♂, Czechoslovakia). 758 – aedeagal complex laterally (only left postgonite figured); 759 – telomere; 760 – genitalia laterally; 761 – ditto caudally (aedeagal complex omitted); 762 – *S5*. Scales: Figs. 758, 760–762 = 0.1 mm, Fig. 759 = 0.05 mm.



Figs. 763–769. *Pullimosina (P.) moesta* (VILLENEUVE) (♀, Czechoslovakia). 763 – postabdomen dorsally; 764 – dtto laterally; 765 – dtto ventrally; 766 – spermathecae; 767 – spectacles-shaped sclerite laterally; 768 – dtto ventrally; 769 – T1+2 dorsally. Scales: Figs. 763–765 = 0.1 mm, Figs. 766–768 = 0.05 mm, Fig. 769 = 0.2 mm.



Figs. 770–775. Figs. 770–772. *Pullimosina* (*P.*) *pullula* (ZETTERSTEDT). 770 – female t_2 dorsally; 771 – dtto anteriorly (Czechoslovakia); 772 – male t_2 anteriorly (Hungary); Figs. 773–775. *Pullimosina* (*P.*) *meijerei* (DUDA) (Czechoslovakia). 773 – female t_2 dorsally; 774 – dtto anteriorly; 775 – male t_2 anteriorly. Scales: Figs. 770–772 = 0.1 mm, Figs. 773–775 = 0.2 mm.

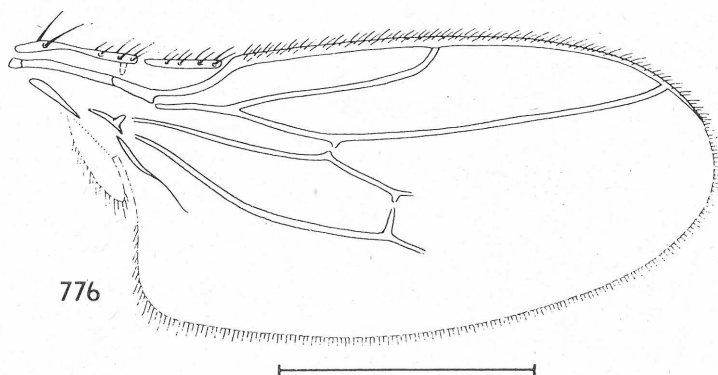
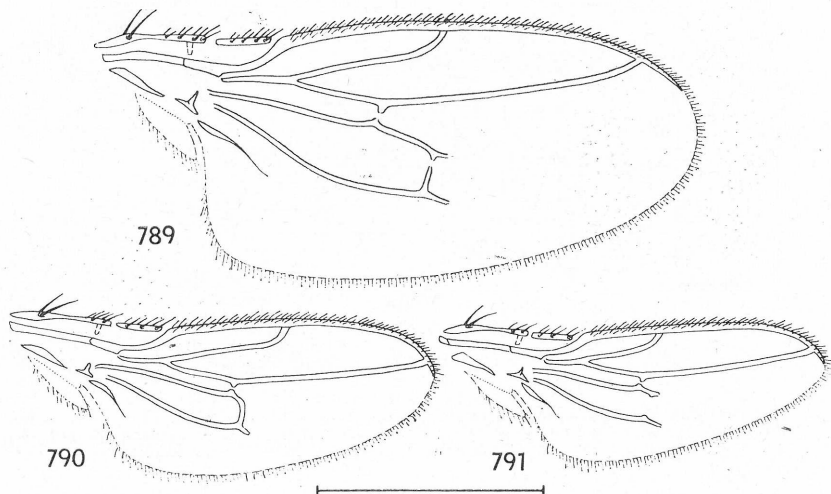
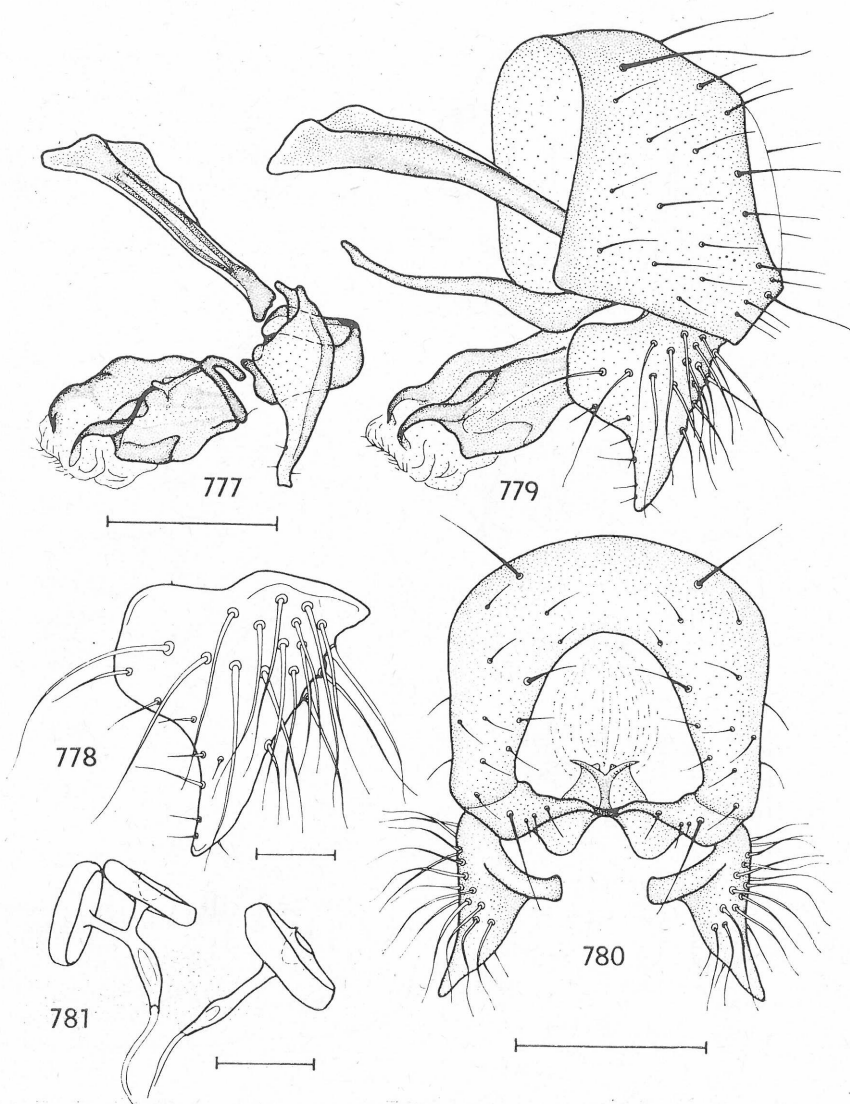


Fig. 776. *Pullimosina* (*P.*) *pullula* (ZETTERSTEDT) (♀, Czechoslovakia), wing. Scale = 0.5 mm.

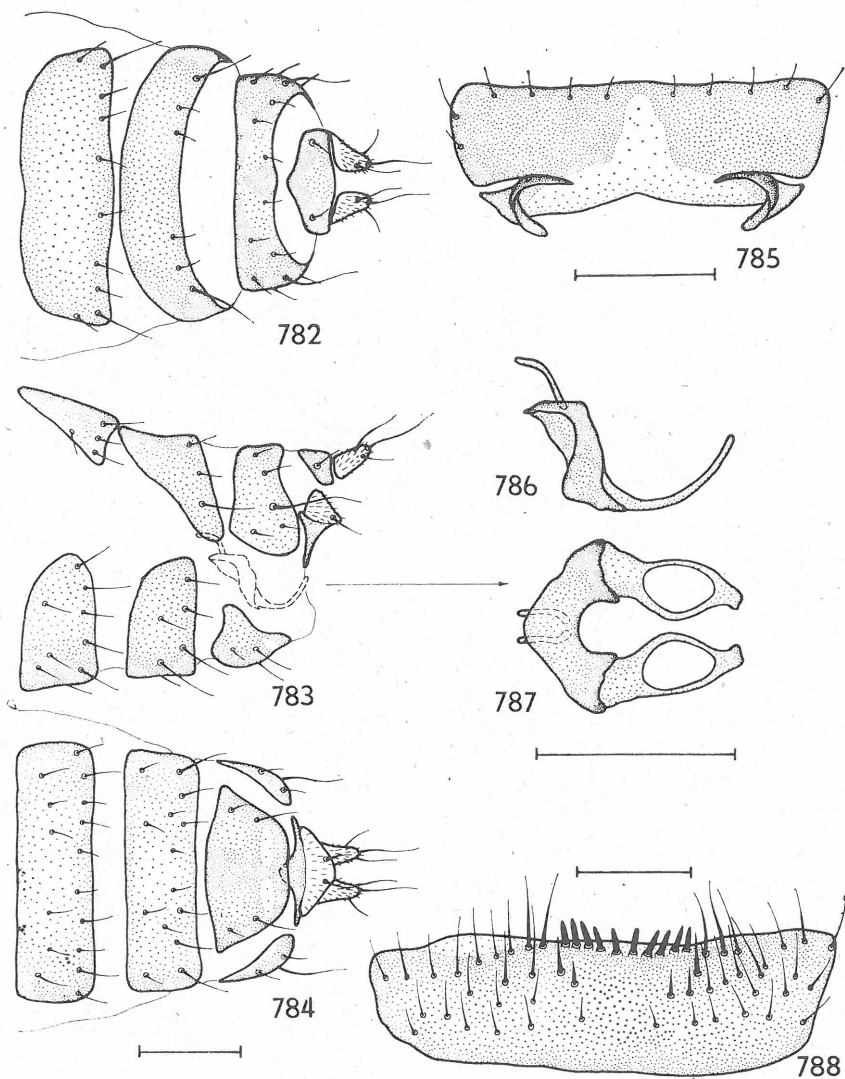


Figs. 789–791. *Pullimosina* (*P.*) *meijerei* (DUDA) (♀, Czechoslovakia), wings. 789 – f. macropt.; 790 – f. brach.; 791 – f. brach. (mutant without t_p). Scale = 0.5 mm.

Fig. 777–781 see page 123

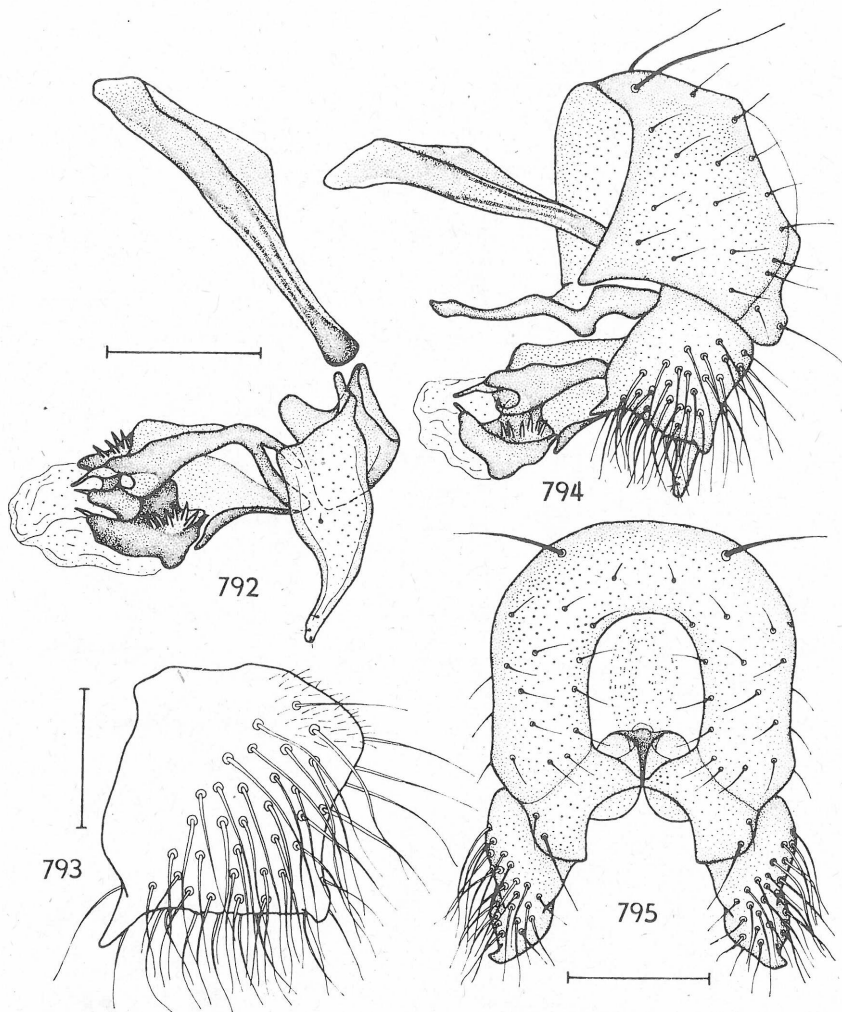


Figs. 777–781. *Pullimosina (P.) pullula* (ZETTERSTEDT). 777 – aedeagal complex laterally (only left postgonite figured); 778 – telomere (♂, Hungary); 779 – male genitalia laterally; 780 – dtto caudally (aedeagal complex omitted) (lectotype); 781 – spermathecae (♀, Hungary). Scale: Figs. 777, 779, 780 = 0.1 mm, Fig. 778 = 0.02 mm, Fig. 781 = 0.05 mm.

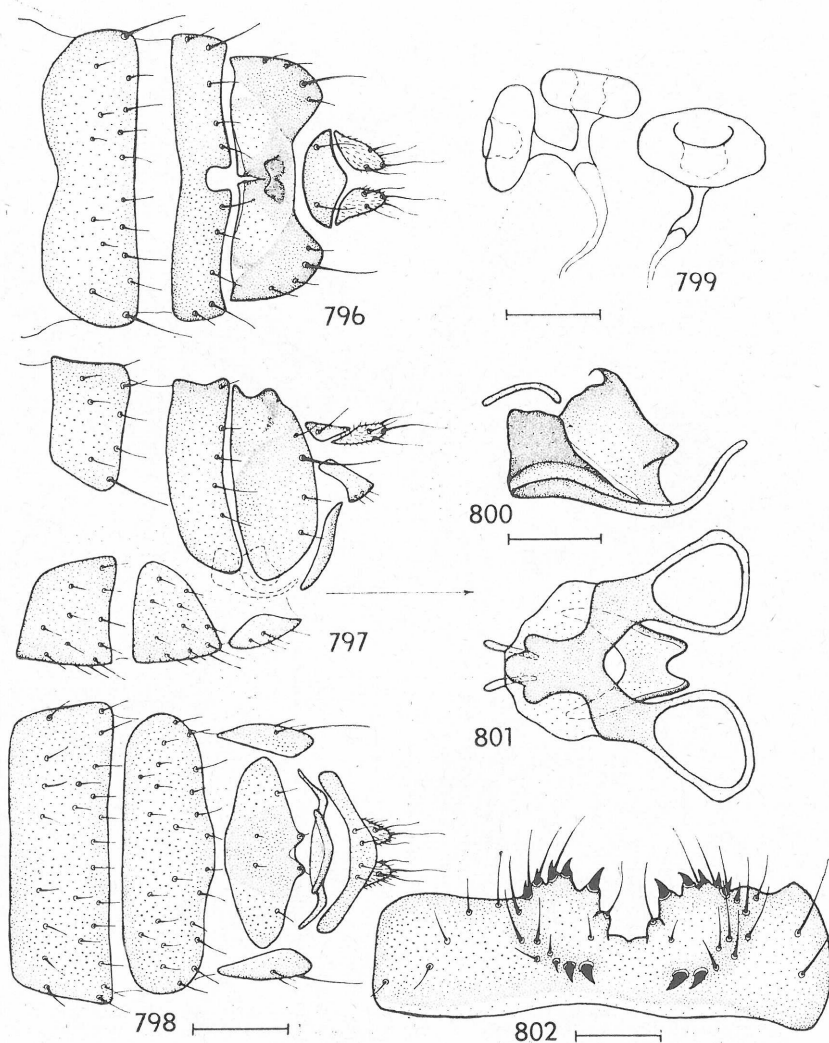


Figs. 782–788. *Pullimosina* (P.) *pullula* (ZETTERSTEDT). 782 – female postabdomen dorsally; 783 – dtto laterally; 784 – dtto ventrally; 785 – *T1+2* dorsally; 786 – spectacles-shaped sclerite laterally; 787 – dtto ventrally (all Czechoslovakia); 788 – male *S5* (lectotype). Scales: Figs. 782–784, 786–788 = 0.1mm Fig. 785 = 0.2 mm.

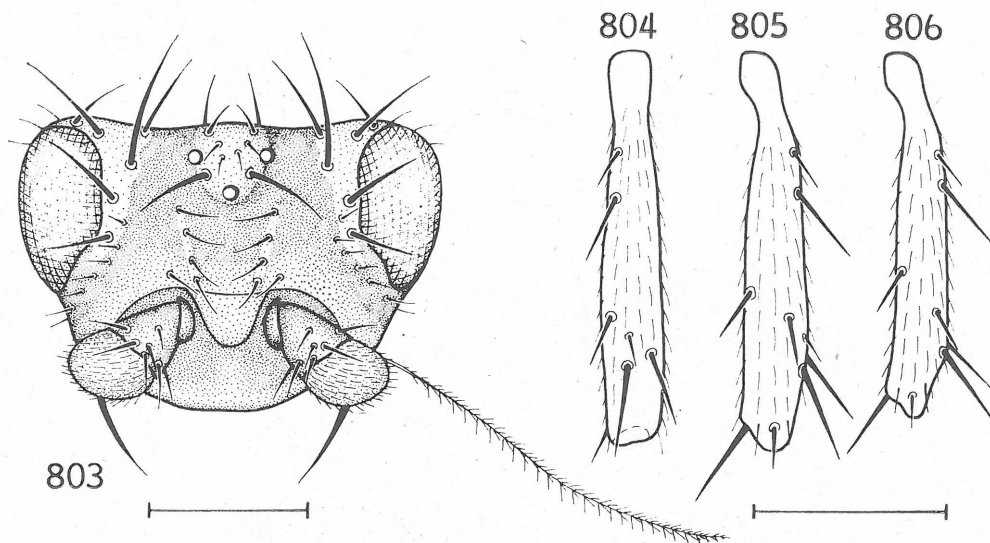
Figs. 789–791 see page 122



Figs. 792–795. *Pullimosina (P.) meijerei* (DUDA) (♂, Czechoslovakia). 792 – aedeagal complex laterally (only left postgonite figured); 793 – telomere; 794 – genitalia laterally; 795 – ditto caudally (aedeagal complex omitted). Scales: Figs. 792, 794, 795 = 0.1 mm, Fig. 793 = 0.05 mm.



Figs. 796–802. *Pullimosina* (*P.*) *meijerei* (DUDA) (Czechoslovakia). 796 – female postabdomen dorsally; 797 – ditto laterally; 798 – ditto ventrally; 799 – spermathecae; 800 – spectacles-shaped sclerite laterally; 801 – ditto ventrally; 802 – male S5. Scales: Figs. 796–798, 802 = 0.1 mm, Figs. 799–801 = 0.05 mm.



Figs. 803—806. *Spilimosina brevicostata* (DUDA) (Spain). 803 — female head dorsofrontally; 804 — female t_2 dorsally; 805 — dtto anteriorly; 806 — male t_2 anteriorly. Scales = 0.2 mm.

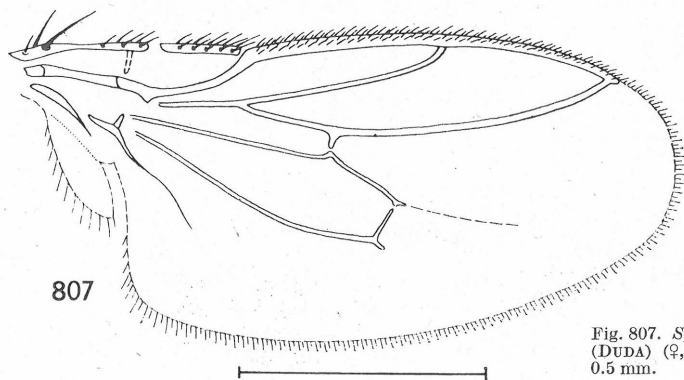
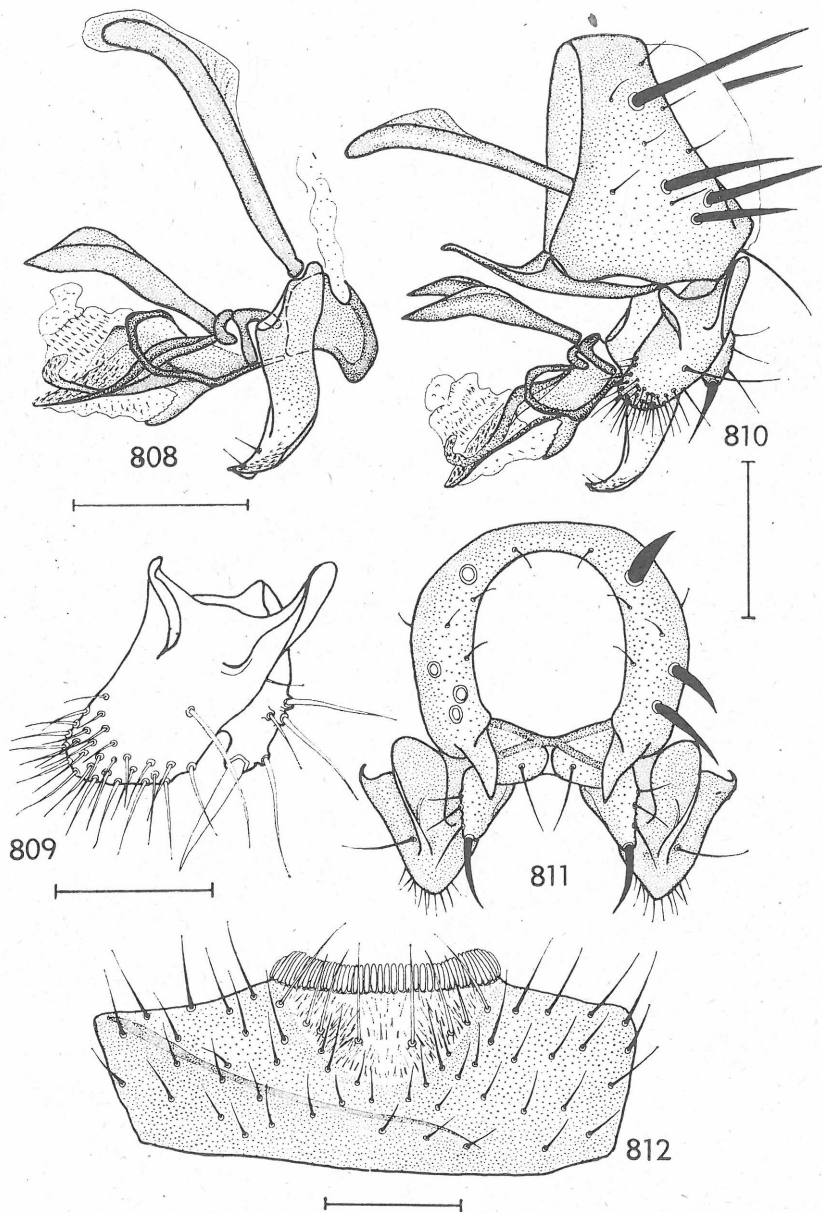
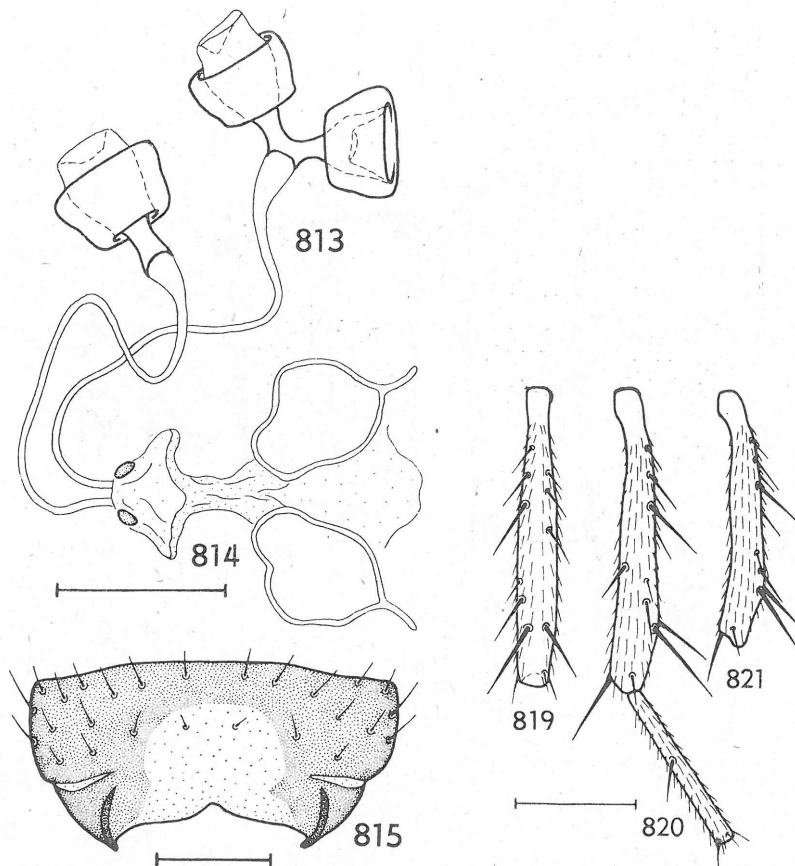


Fig. 807. *Spilimosina brevicostata* (DUDA) (♀, Spain), wing. Scale = 0.5 mm.



Figs. 808–812. *SpiniLimosina brevicostata* (DUDA) (♂, Azores). 808 — aedeagal complex laterally (only left postgonite figured); 809 — telomere; 810 — genitalia laterally; 811 — ditto caudally (aedeagal complex and bristles on left side of perianthium omitted); 812 — *S* ♂. Scales: Figs. 808, 810–812 = 0.1 mm, Fig. 809 = 0.05 mm.



Figs. 813–815. *Spiniimosina brevicostata* (DUDA) (♀, Spain). 813 – spermathecae; 814 – spectacles-shaped sclerite ventrally; 815 – $T1+2$ dorsally. Scales: Figs. 813, 814 = 0.1 mm, Fig. 815 = 0.2 mm.

Figs. 819–821. *Chaetopodella scutellaris* (HALIDAY) (Czechoslovakia). 819 – female t_2 dorsally; 820 – female t_2 anteriorly; 821 – male t_2 anteriorly. Scale = 0.2 mm.

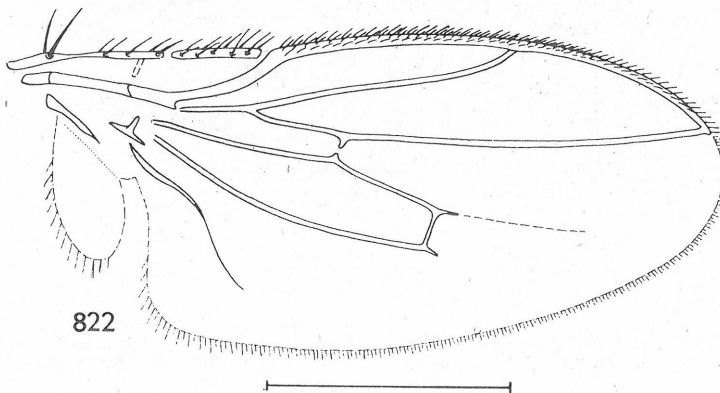
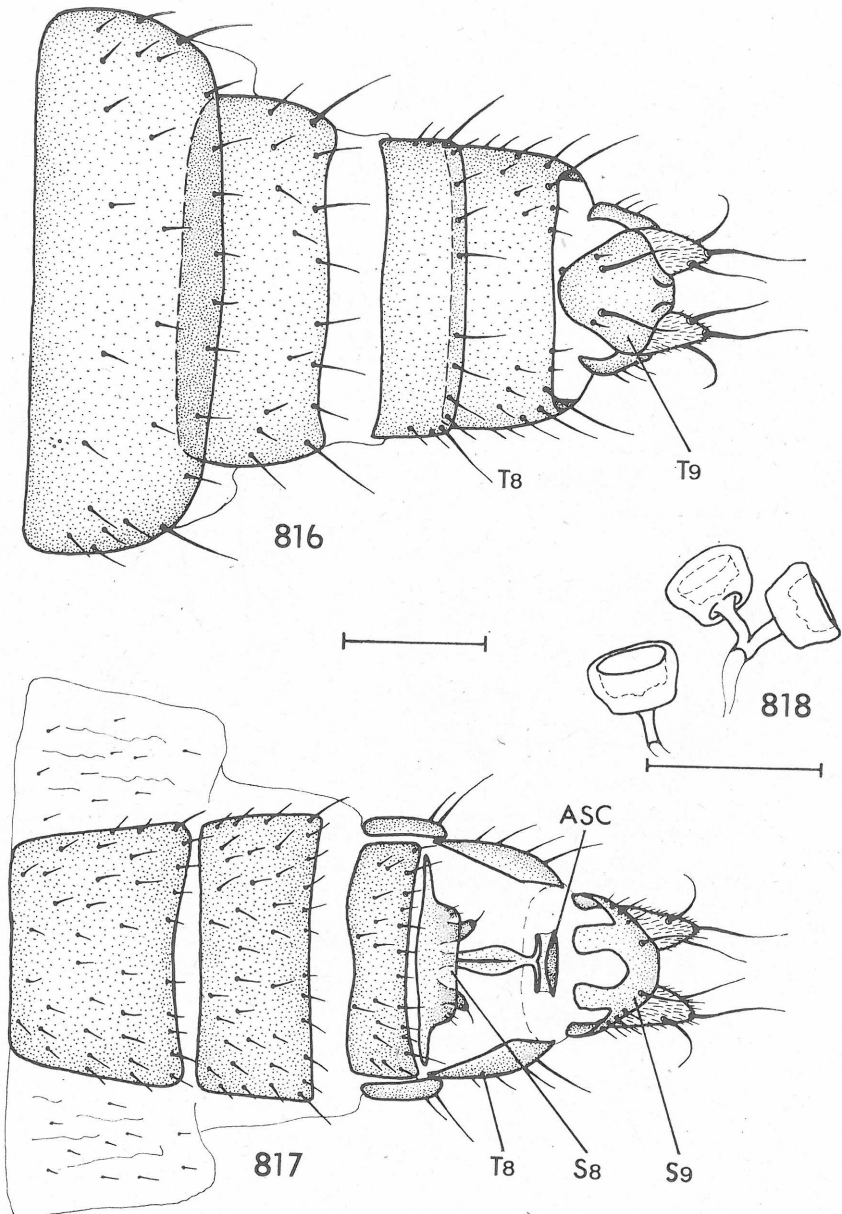
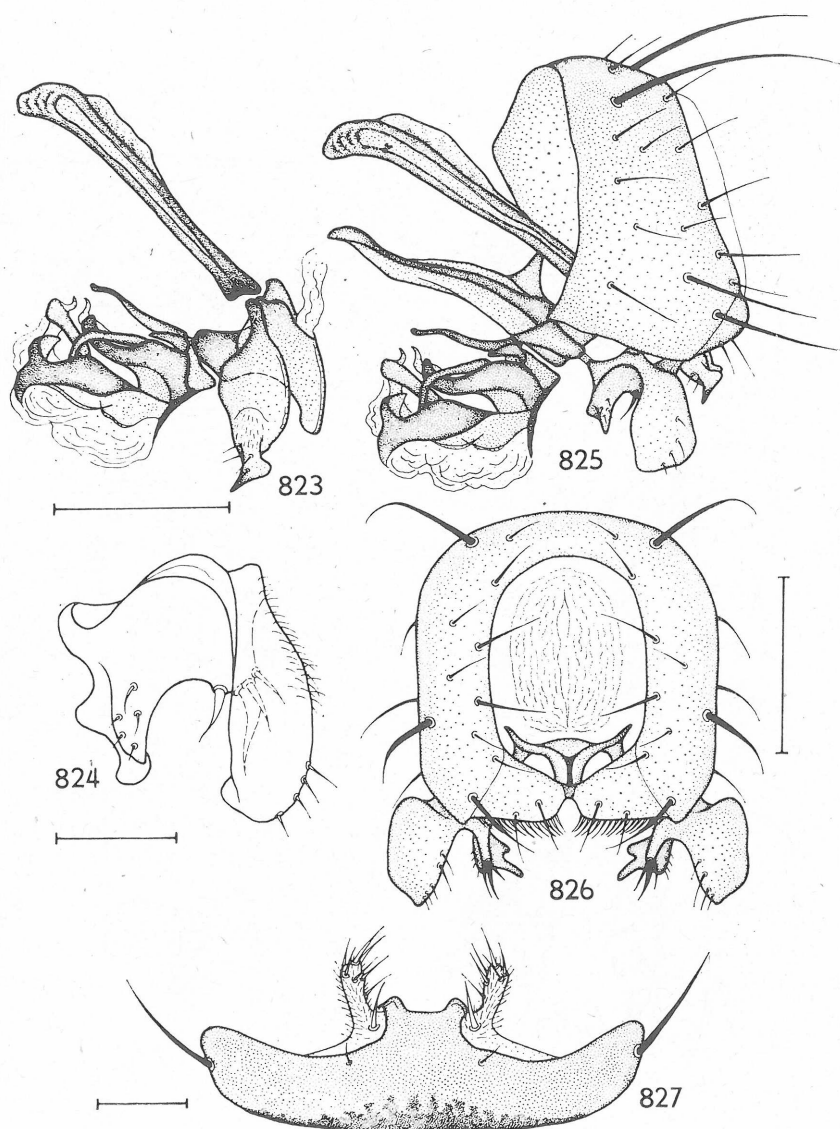


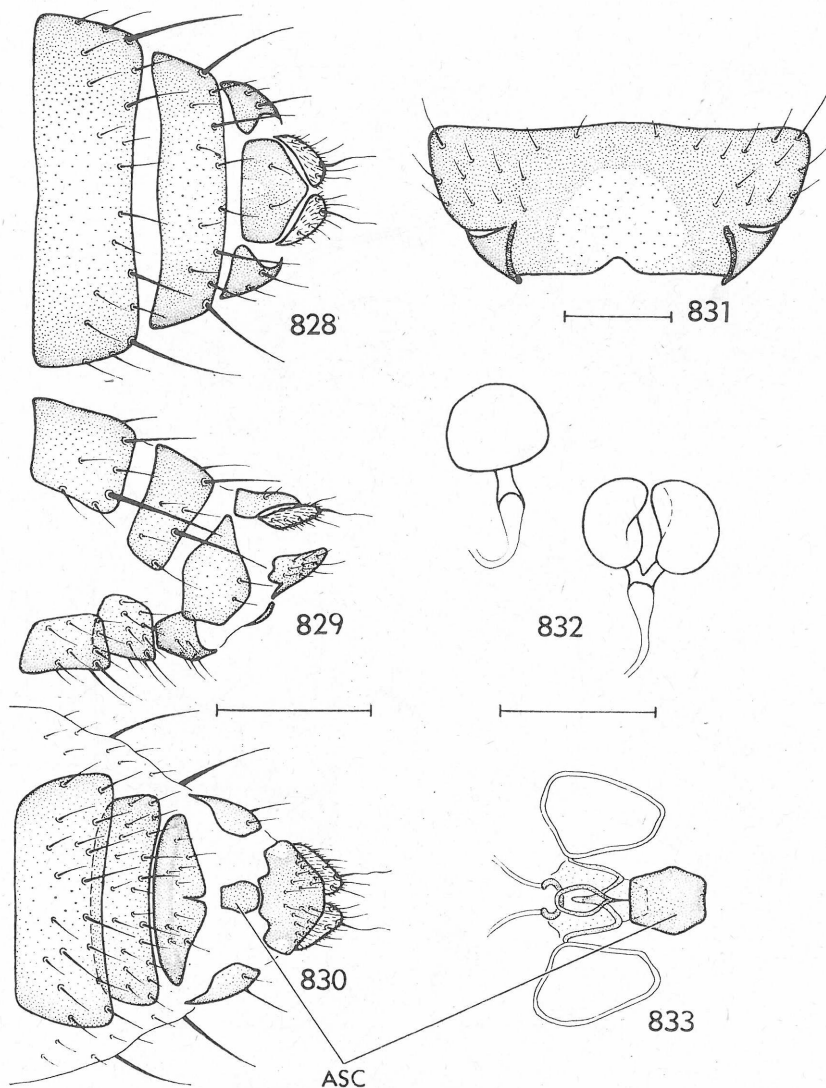
Fig. 822. *Chaetopodella scutellaris* (HALIDAY) (♂, Czechoslovakia), wing. Scale = 0.5 mm.



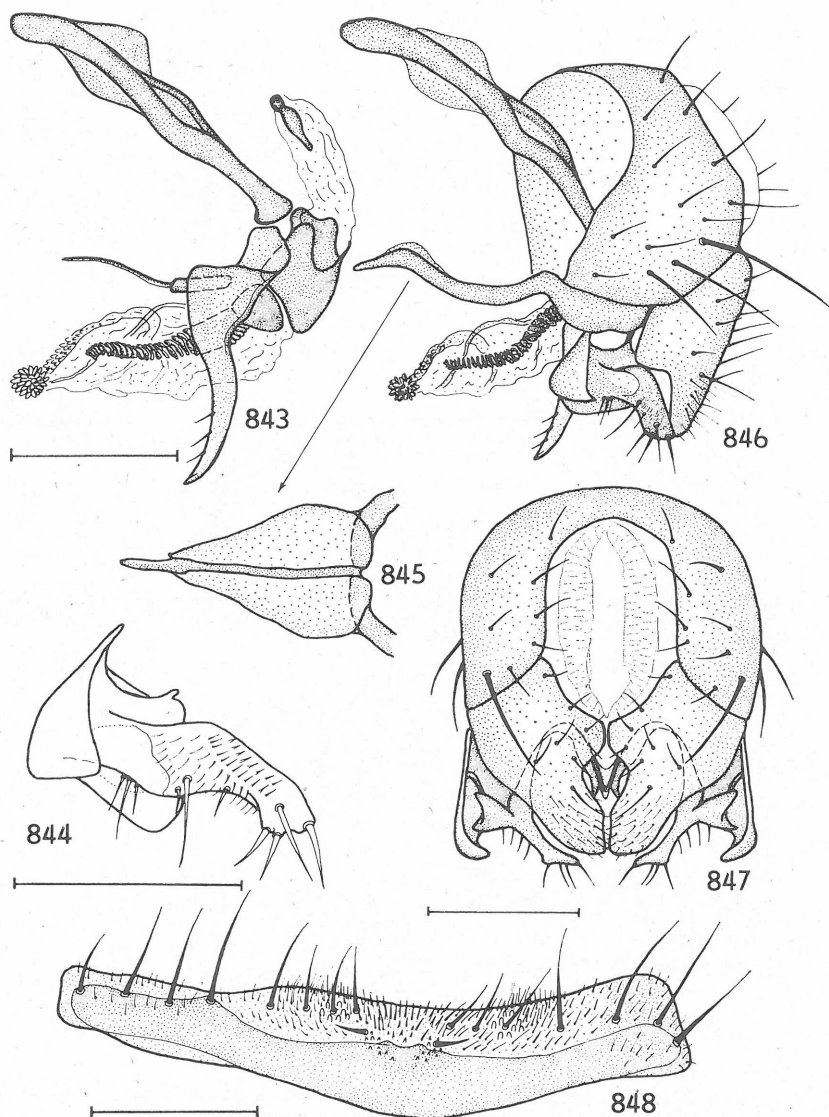
Figs. 816–818. *Spinilimosina brevicostata* (DUDA) (♀, Canary Is.). 816 – postabdomen (+ 5th segment) dorsally; 817 – dtto ventrally; 818 – spermathecae. Scales = 0.1 mm. Abbreviations: see p. 198 (Part I).



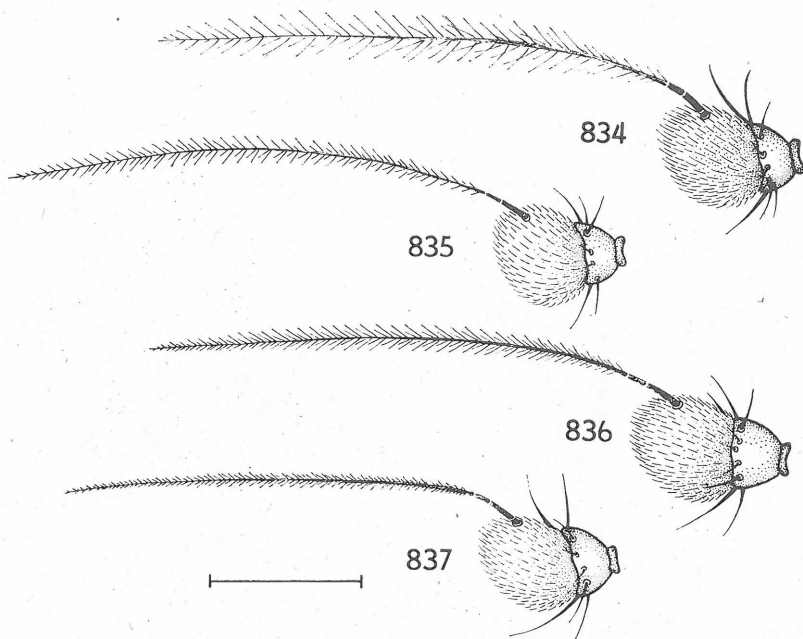
Figs. 823–827. *Chaetopodella scutellaris* (HALIDAY) (♂, Czechoslovakia). 823 – aedeagal complex laterally (only left postgonite figured); 824 – telomere; 825 – genitalia laterally; 826 – ditto caudally (aedeagal complex omitted); 827 – *S5*. Scales: Figs. 823, 825, 826 = 0.1 mm, Fig. 824 = 0.03 mm, Fig. 827 = 0.05 mm.



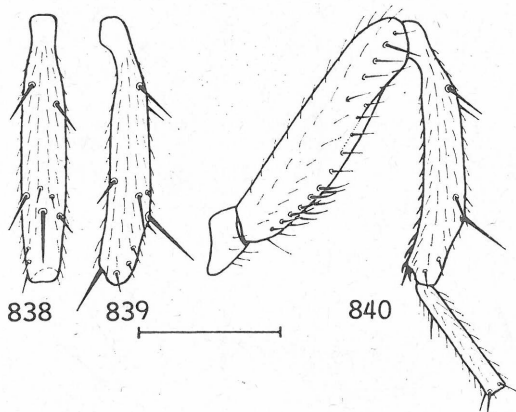
Figs. 828–833. *Chaetopodella scutellaris* (HALIDAY) (♀, Czechoslovakia). 828 – postabdomen dorsally; 829 – dtto laterally; 830 – dtto ventrally; 831 – *TI*+2 dorsally; 832 – spermathecae; 833 – spectacles-shaped sclerite ventrally. Scales: Figs. 828–831 = 0.2 mm, Figs. 832–833 = 0.1 mm. Abbreviations: see p. 198 (Part I).



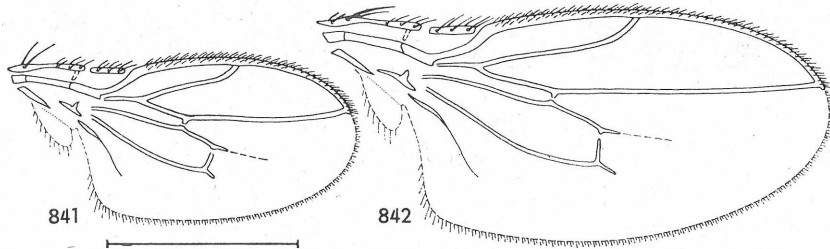
Figs. 843–848. *Limosina (C.) spinosa* (COLLIN) (♂, Czechoslovakia). 843 – aedeagal complex laterally (only left postgonite figured); 844 – telomere; 845 – anterior part of hypandrium dorsally; 846 – genitalia laterally; 847 – ditto caudally (aedeagal complex omitted); 848 – S5. Scales: Figs. 843, 845–848 = 0.1 mm, Fig. 844 = 0.05 mm.



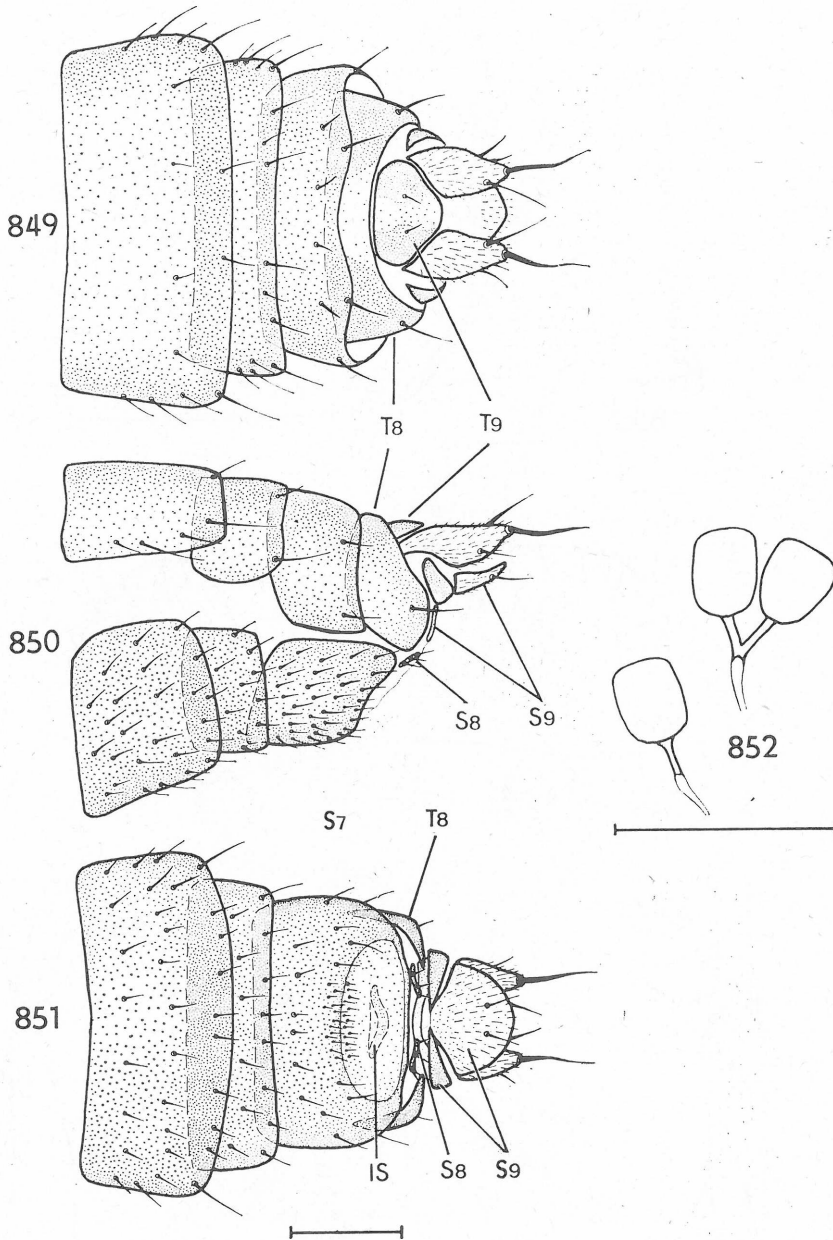
Figs. 834–837. Antennae of *Kimosina* species. 834 – *Kimosina* (*K.*) *plumosula* (RONDANI) (♀, Czechoslovakia); 835 – *K. (K.) glabrescens* (VILLENEUVE) (♀, Spain); 836 – *K. (K.) ciliata* (DUDA) (♀, Tunisia); 837 – *K. (K.) longisetosa* (DAHL) (♀, Denmark). Scale = 0.2 mm.



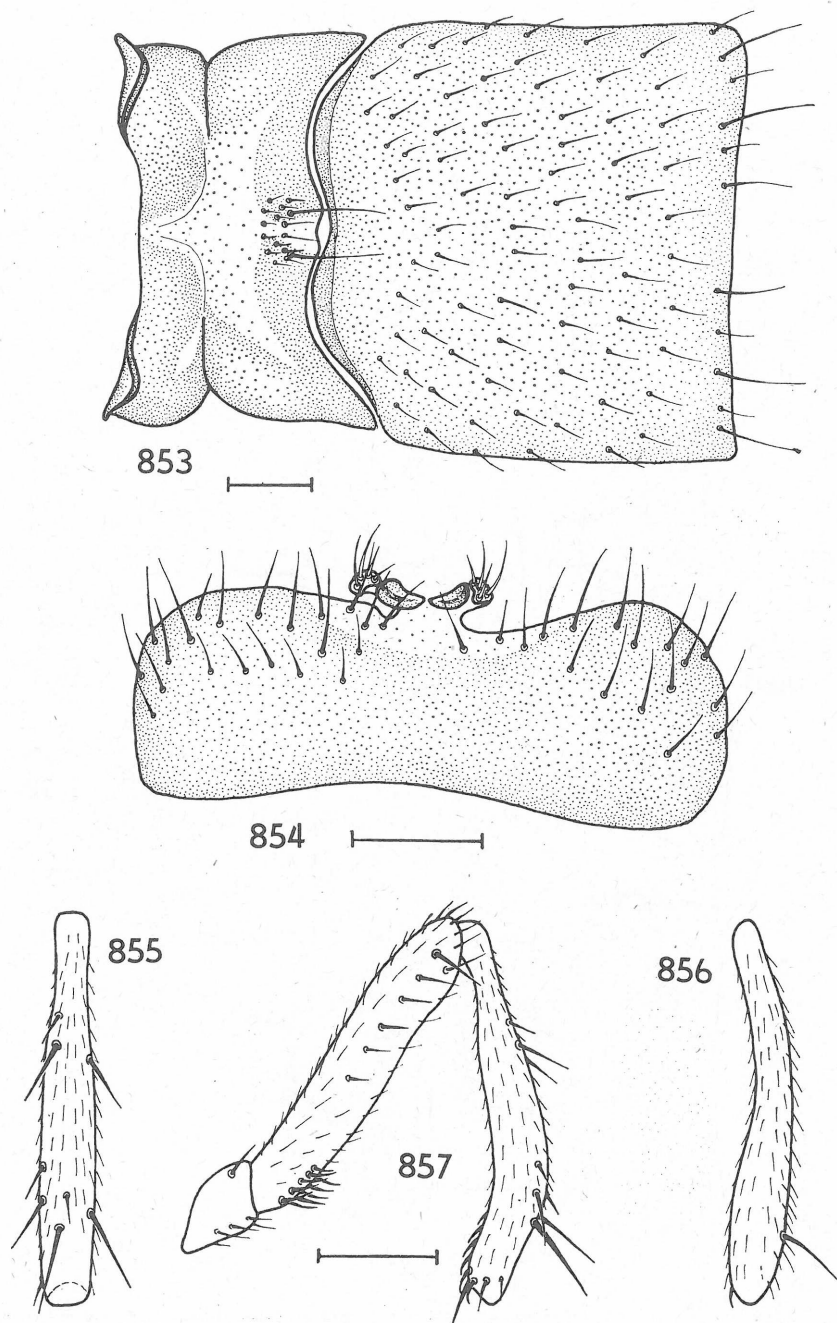
Figs. 838–840. *Kimosina* (*C.*) *spinosa* (COLLIN) (Czechoslovakia). 838 – female t_2 dorsally; 839 – *ditto* anteriorly; 840 – male mid trochanter, t_2 , mt_2 anteriorly. Scale = 0.2 mm.



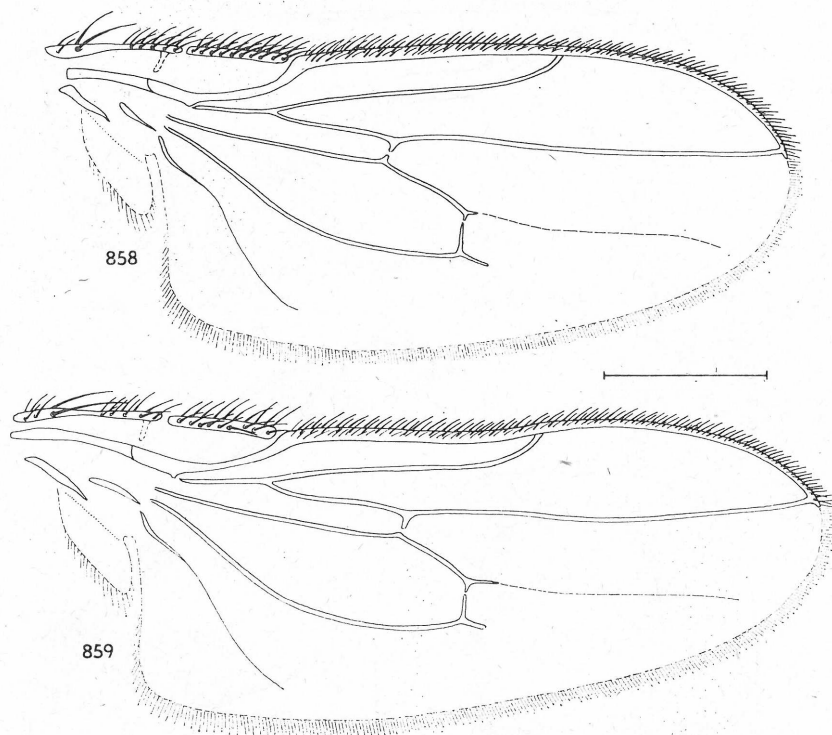
Figs. 841–842. *Kimosina* (*C.*) *spinosa* (COLLIN) (♀, Czechoslovakia) wings. Scale = 0.5 mm.



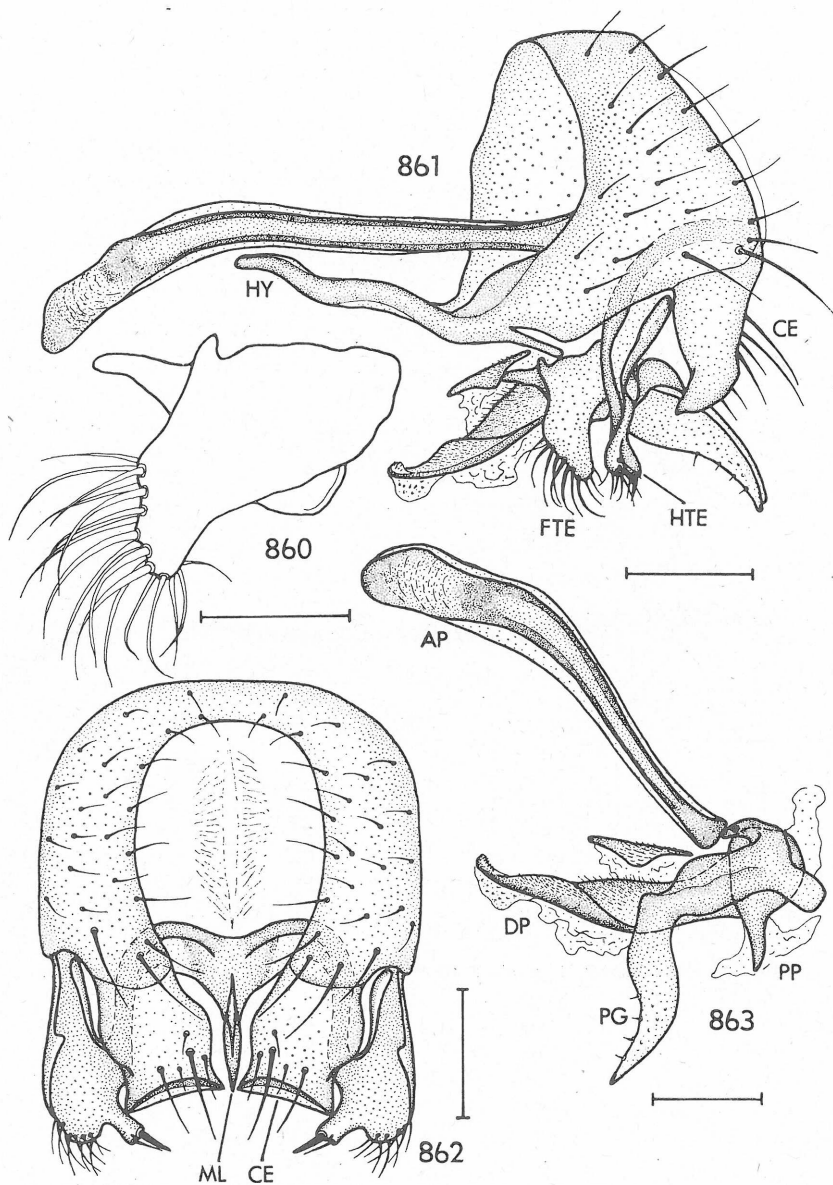
Figs. 849–852. *Kimosina (C.) spinosa* (COLLIN) (♀, Czechoslovakia). 849 – postabdomen (+ 5th segment) dorsally; 850 – ditto laterally; 851 – ditto ventrally; 852 – spermathecae. Scales = 0.1 mm. Abbreviations: see p. 198 (Part I).



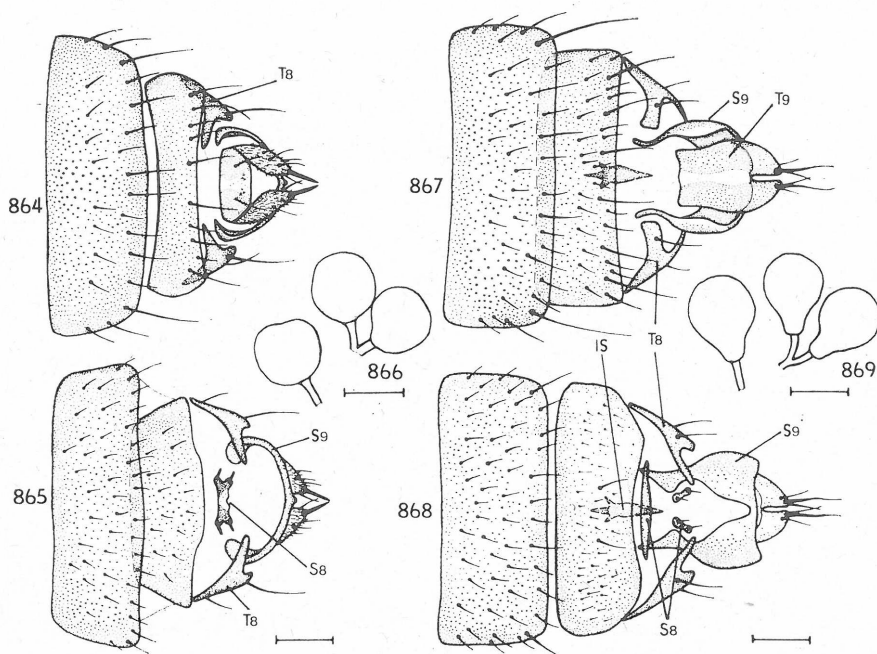
Figs. 853–857. *Limosina* (A.) *empirica* (HUTTON) (Czechoslovakia). 853 – male $S1+2$ and $S3$ ventrally; 854 – male $S5$; 855 – female t_2 dorsally; 856 – male t_3 anteriorly; 857 – male mid trochanter, f_2 and t_2 anteriorly. Scales: Figs. 853, 854 = 0.1 mm, Figs. 855–857 = 0.2 mm,



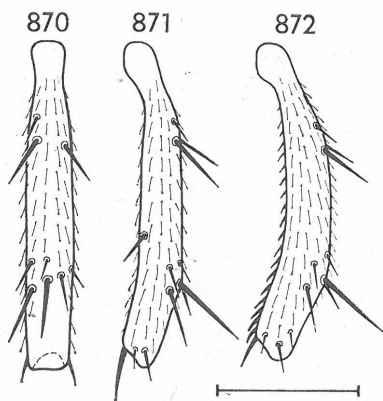
Figs. 858–859. *Kimosina* (A.) *empirica* (HUTTON) (Czechoslovakia), wings. 858 – male; 859 – female. Scale = 0.5 mm.



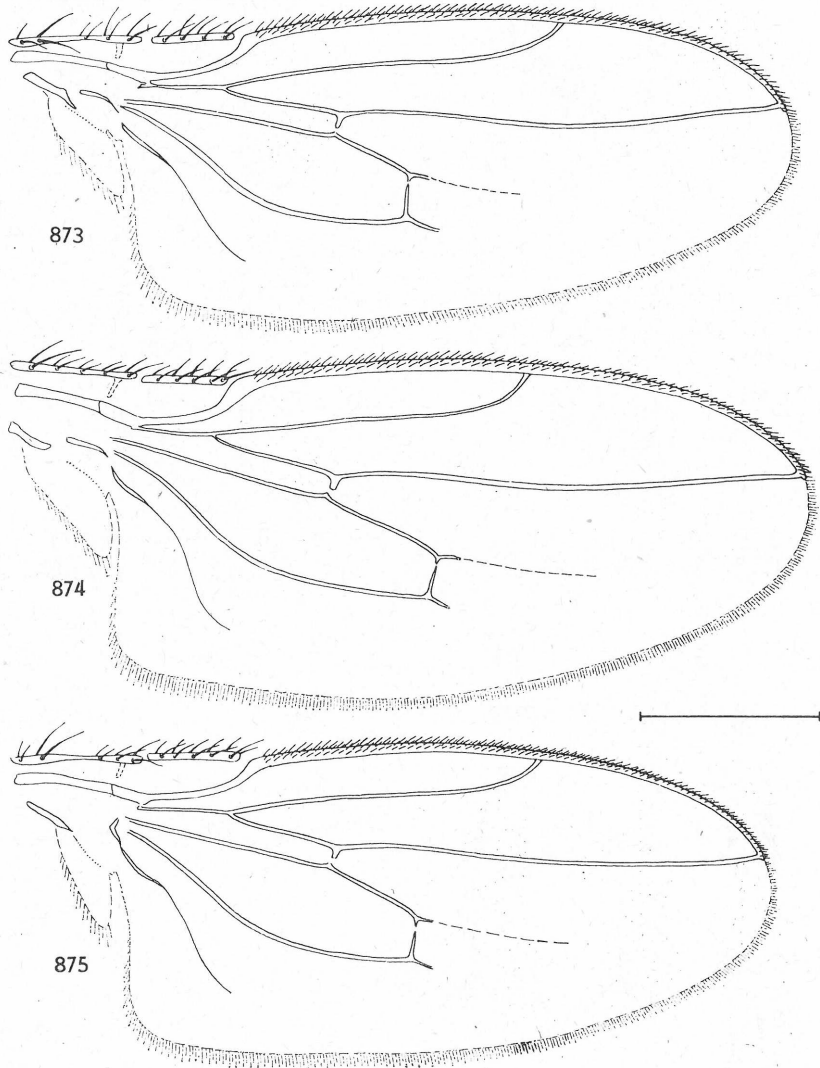
Figs. 860–863. *Limosina* (A.) *empirica* (HUTTON) (♂, Czechoslovakia). 860 – fore part of telomere; 861 – genitalia laterally; 862 – ditto caudally (aedeagal complex omitted); 863 – aedeagal complex laterally (only left postgonite figured). Scales: Fig. 860 = 0.05 mm, Figs. 861–863 = 0.1 mm. Abbreviations: see p. 198 (Part I).

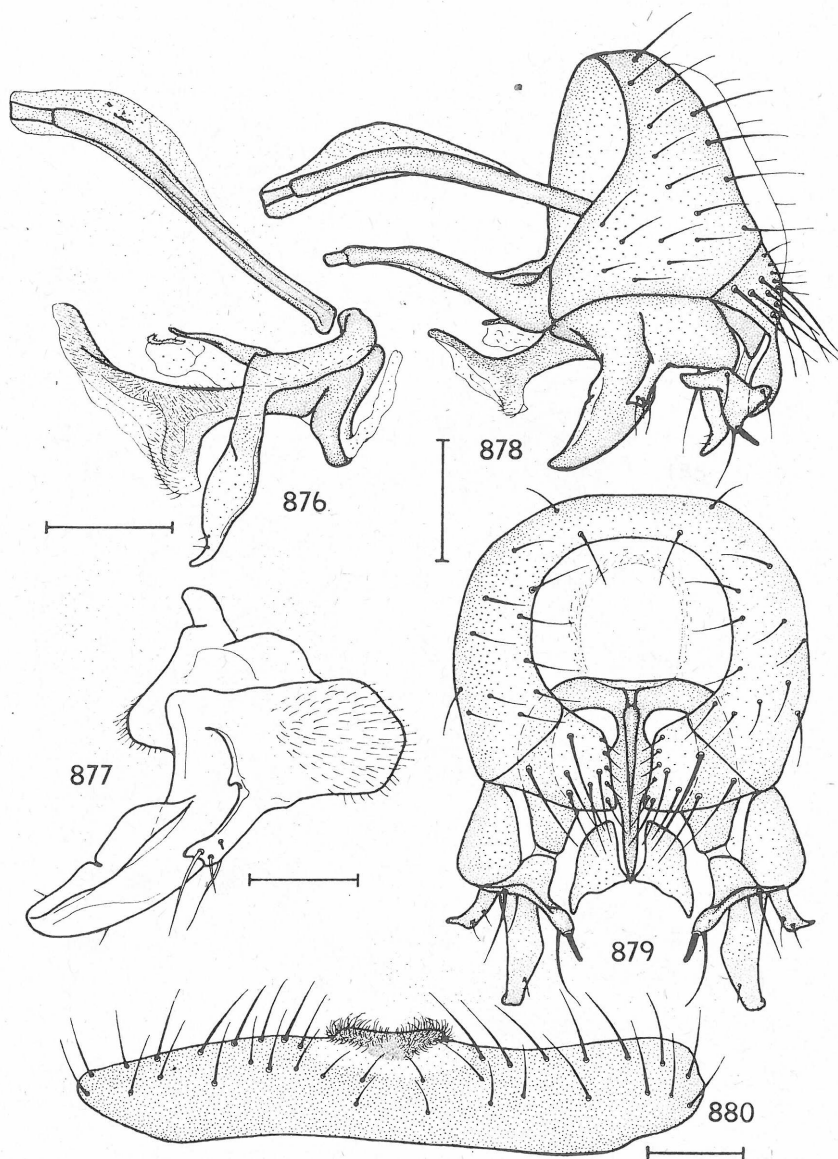


Figs. 864–869. Figs. 864–866. *Kimosina (K.) plumosula* (RONDANI) (♀, Czechoslovakia). 864 – postabdomen dorsally; 865 – ditto ventrally; 866 – spermathecae; Figs. 867–869. *Kimosina (A.) empirica* (HUTTON) (♀, Czechoslovakia). 867 – postabdomen dorsally; 868 – ditto ventrally; 869 – spermathecae. Scales: Figs. 864, 865, 867, 868 = 0.1 mm, Figs. 866, 869 = 0.05 mm. Abbreviations: see p. 198 (Part I).

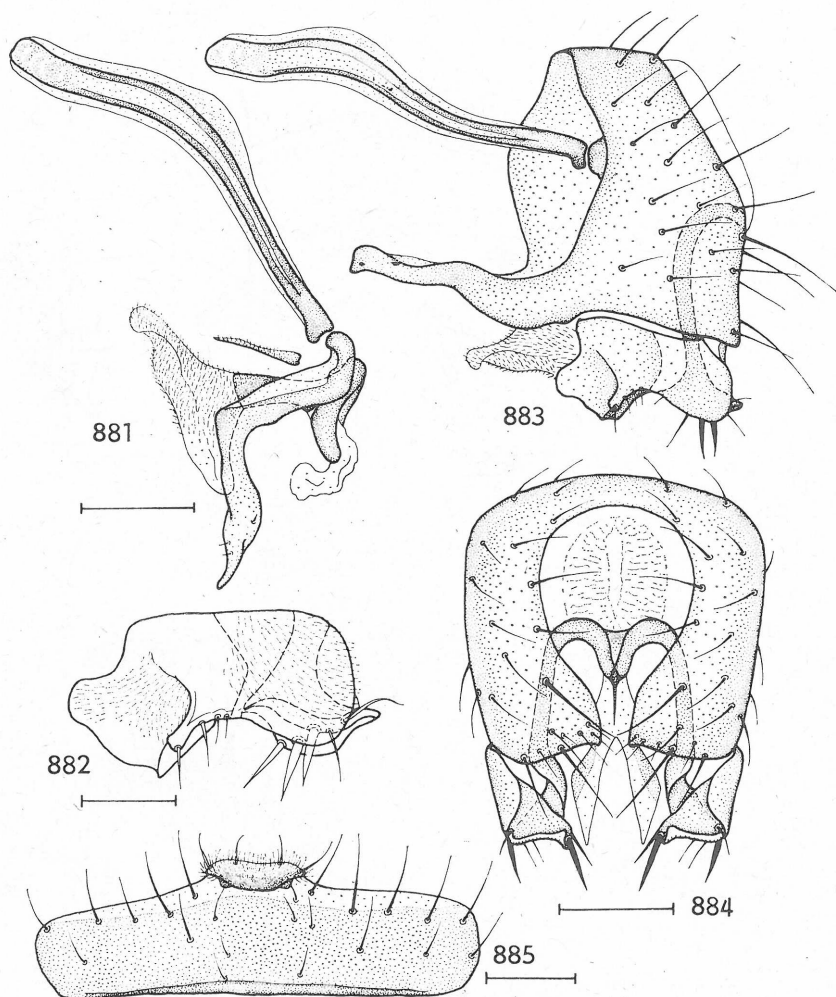


Figs. 870–872. *Kimosina (K.) plumosula* (RONDANI) (Spain). 870 – female t_2 dorsally; 871 – ditto anteriorly; 872 – male t_2 anteriorly. Scale = 0.2 mm.

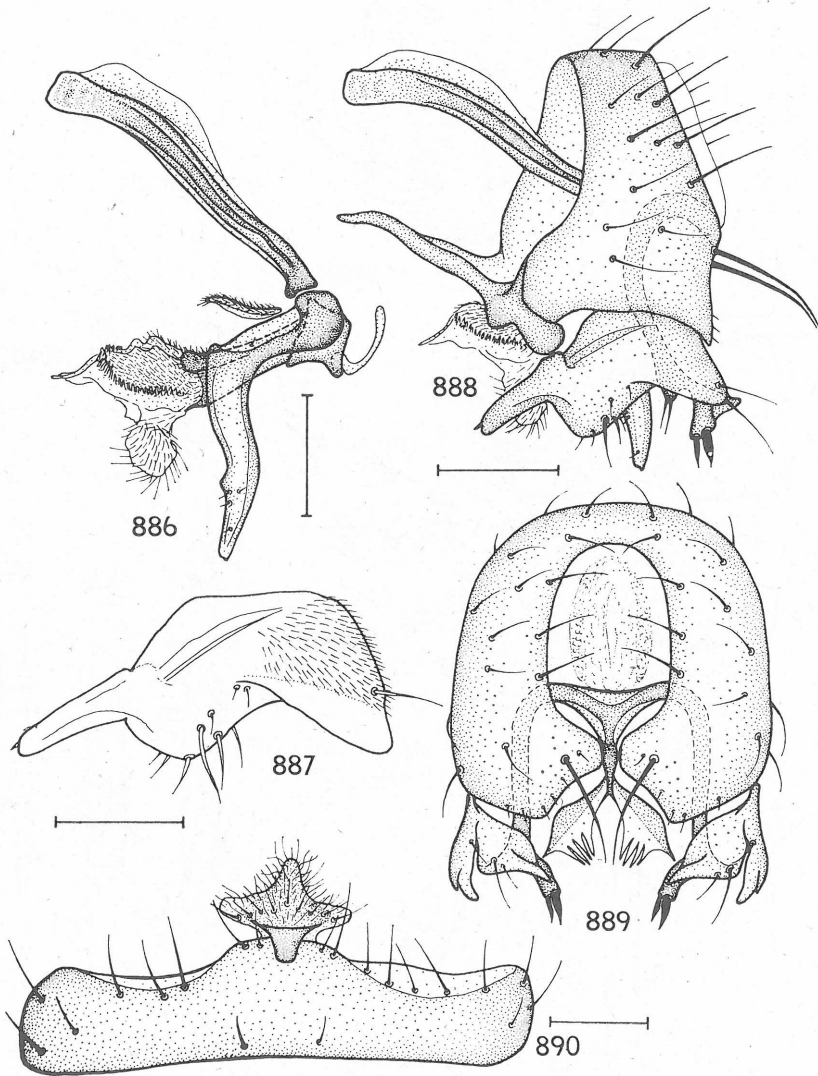




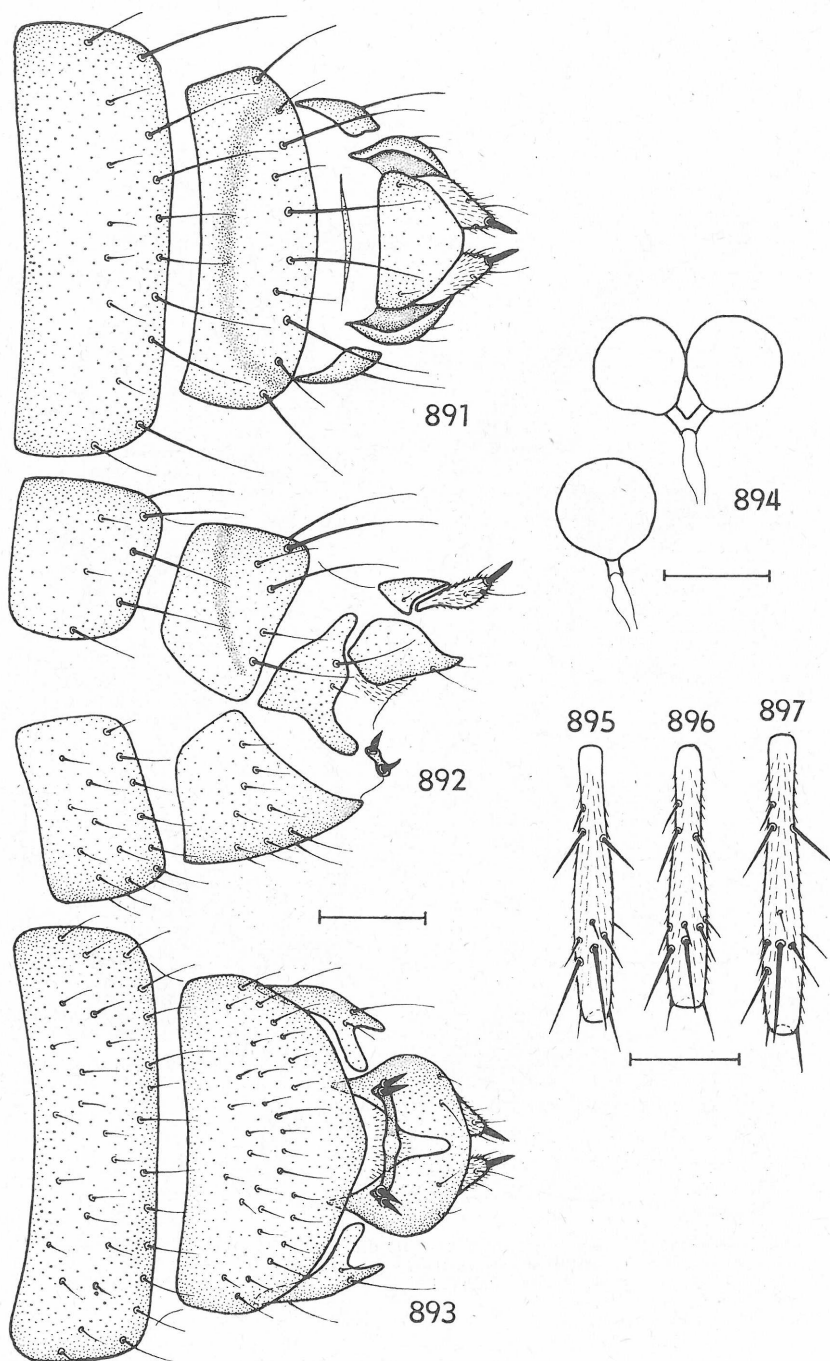
Figs. 876–880. *Kimosina (K.) plumosula* (RONDANI) (♂, Czechoslovakia). 876 – aedeagal complex laterally (only left postgonite figured); 877 – fore part of telomere; 878 – genitalia laterally; 879 – dtto caudally (aedeagal complex omitted); 880 – S5. Scales: Figs. 876, 878–880 = 0.1 mm, Fig. 877 = 0.05 mm.



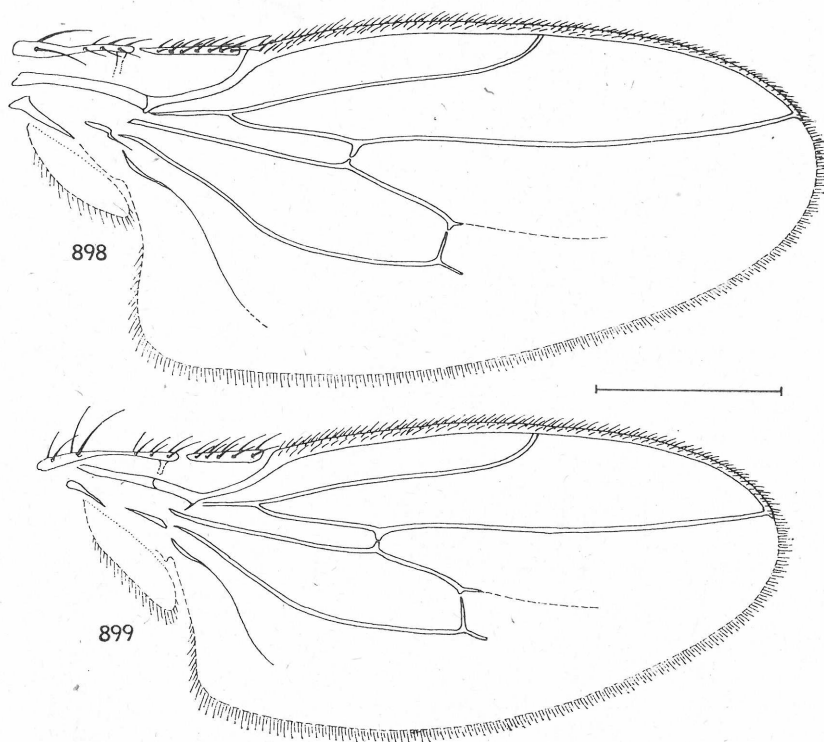
Figs. 881–885. *Limosina* (*K.*) *pappi* spec. nov. (holotype). 881 – aedeagal complex laterally (only left postgonite figured); 882 – telomere; 883 – genitalia laterally; 884 – ditto caudally (aedeagal complex omitted); 885 – *S*₅. Scales: Figs. 881, 883–885 = 0.1 mm, Fig. 882 = 0.05 mm.



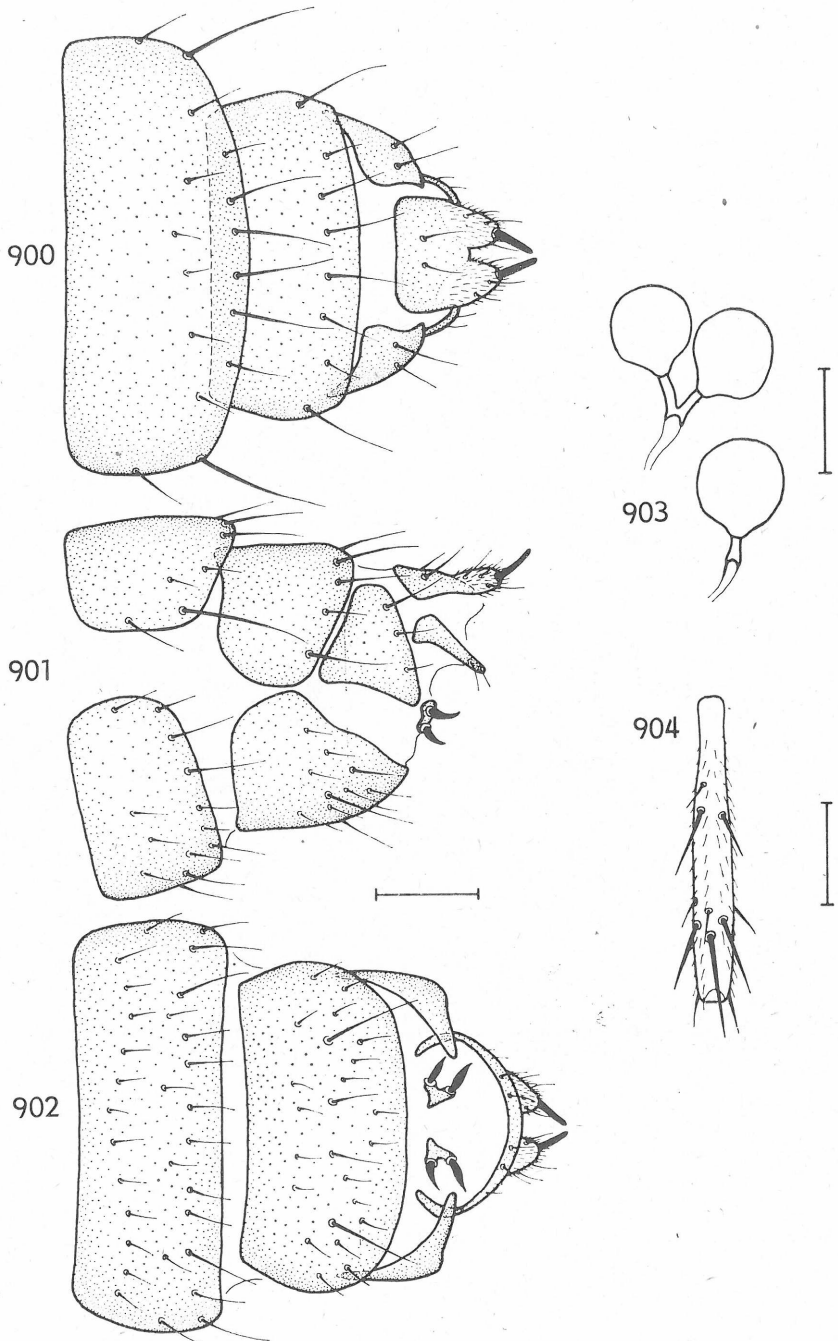
Figs. 886–890. *Kimosina* (*K.*) *glabrescens* (VILLENEUVE) (♂ paratype of *L. pteremoides*). 886 – aedeagal complex laterally (only left postgonite figured); 887 – fore part of telomere; 888 – genitalia laterally; 889 – ditto caudally (aedeagal complex omitted); 890 – S5. Scales: Figs. 886, 888–890 = 0.1 mm, Fig. 887 = 0.05 mm.



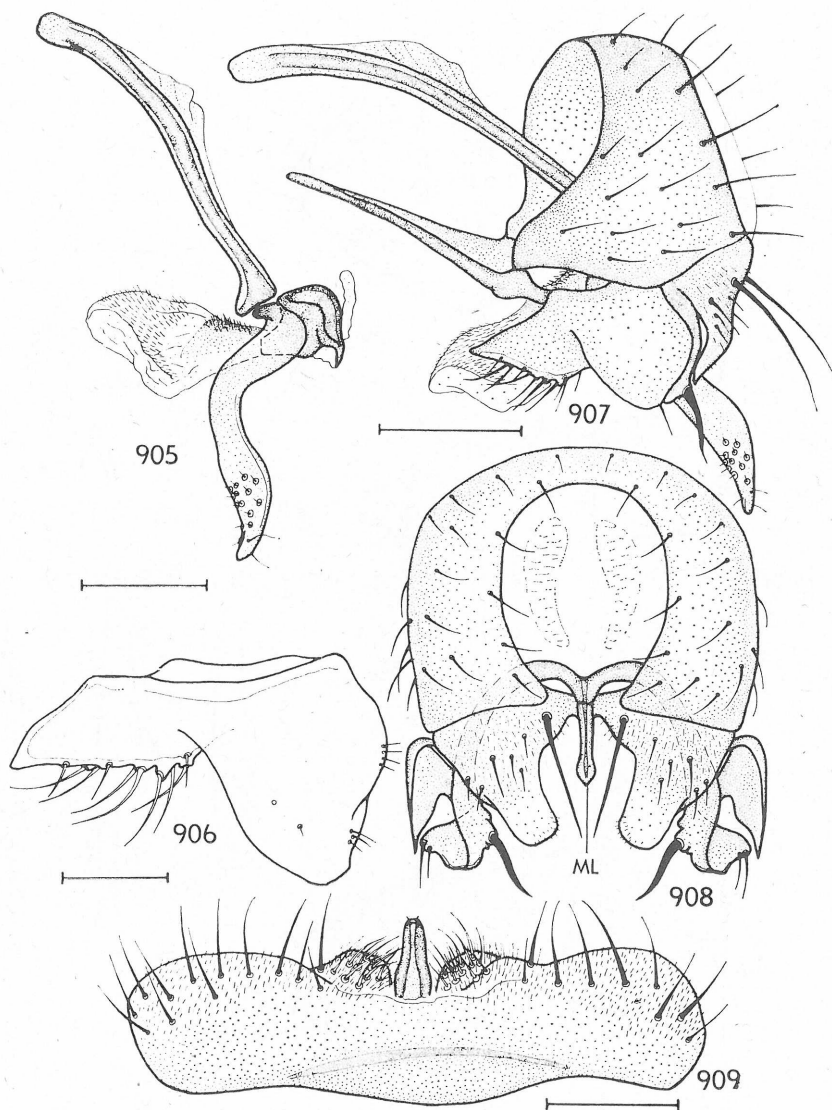
Figs. 891–897. Figs. 891–896. *Limosina* (*K.*) *glabrescens* (VILLENEUVE) (paratypes of *L. pteremoides*). 891 – female postabdomen dorsally; 892 – dtto laterally; 893 – dtto ventrally; 894 – spermathecae; 895 – male t_2 dorsally; 896 – female t_2 dorsally. Fig. 897. *Limosina* (*K.*) *pappi* spec. nov. (holotype), male t_2 dorsally. Scales: Figs. 891–893 = 0.1 mm, Fig. 894 = 0.05 mm, Fig. 895–897 = 0.2 mm.



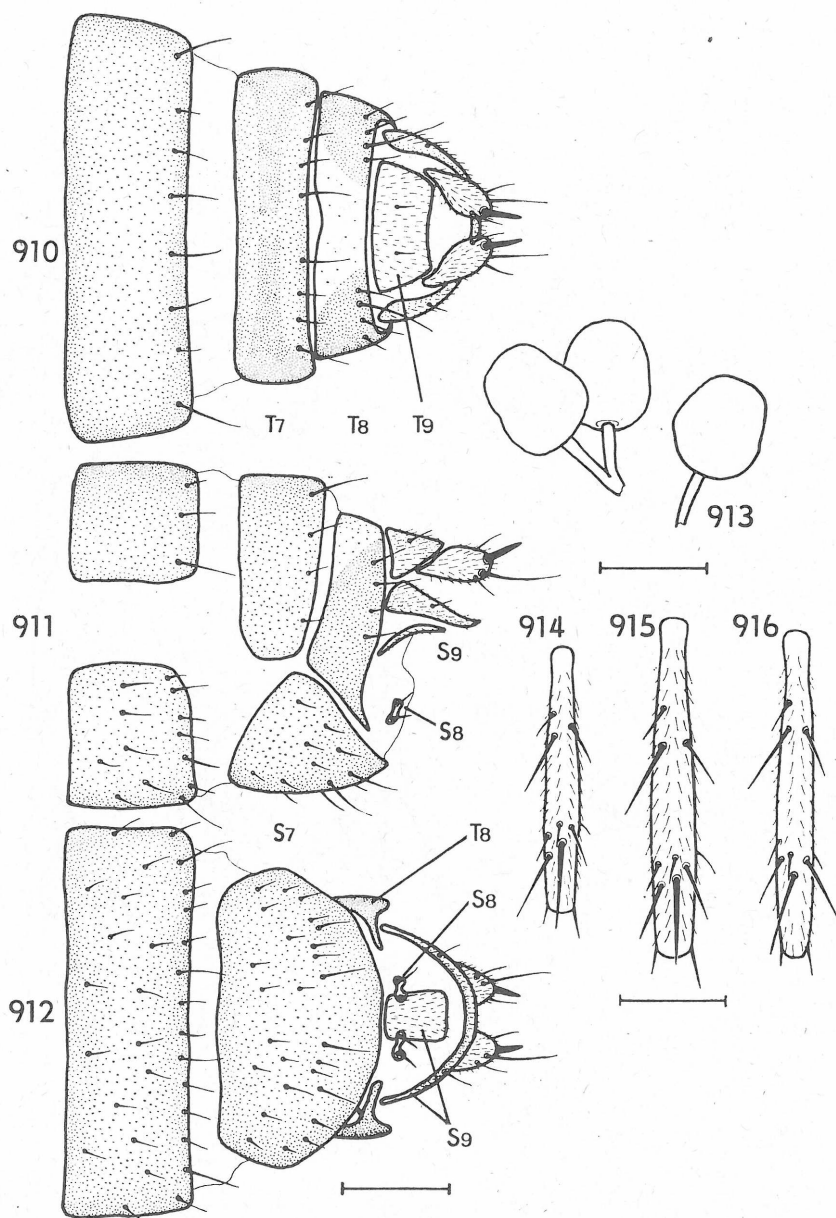
Figs. 898—899. Wings of *Kimosina* species. 898 — *K. (K.) ciliata* (DUDA) (♀, Tunisia); 899 — *K. (K.) longisetosa* (DAHL) (♀, Denmark). Scale = 0.5 mm.



Figs. 900–904. *Limosina* (*K.*) *ciliata* (DUDA) (♀, Tunisia). 900 – postabdomen dorsally; 901 – ditto laterally; 902 – ditto ventrally; 903 – spermathecae; 904 – t_2 dorsally. Scales: Figs. 900–902 = 0.1 mm, Fig. 903 = 0.05 mm, Fig. 904 = 0.2 mm.



Figs. 905–909. *Kimosina* (*K.*) *longisetosa* (DAHL) (♂, Finland). 905 – aedeagal complex laterally (only left postgonite figured); 906 – fore part of telomere; 907 – genitalia laterally; 908 – ditto caudally (aedeagal complex omitted); 909 – S5. Scales: Figs. 905, 907–909 = 0.1 mm, Fig. 906 = 0.05 mm. Abbreviations: see p. 198 (Part I).



Figs. 910–916. Figs. 910–913. *Limosina* (*K.*) *longisetosa* (DAHL) (♀, Finland). 910 — postabdomen dorsally; 911 — ditto laterally; 912 — ditto ventrally; 913 — spermathecae; Fig. 914–916. *t2* of *Limosina* species dorsally. 914 — *K. (K.) glabrescens* (VILLENEUVE) (♀, Spain); 915 — *K. (K.) plumosula* (RONDANI) (♀, Czechoslovakia); 916 — *K. (K.) longisetosa* (DAHL) (♀, Finland). Scales: Figs. 910–912 = 0.1 mm, Fig. 913 = 0.05 mm, Figs. 914–916 = 0.2 mm. Abbreviations: see p. 198 (Part I).

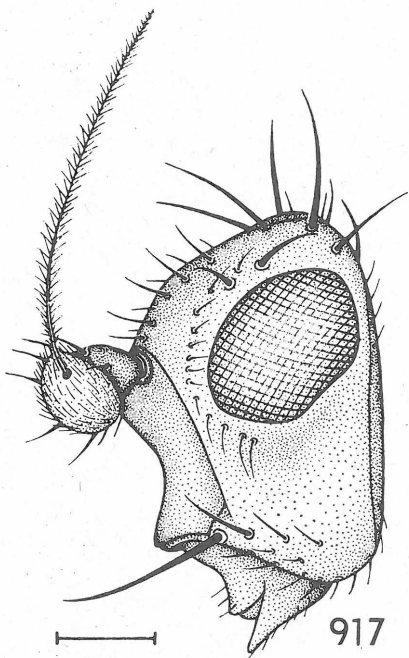


Fig. 917. *Telomerina flavipes* (MEIGEN) (♂, Denmark), head laterally. Scale = 0.1 mm.

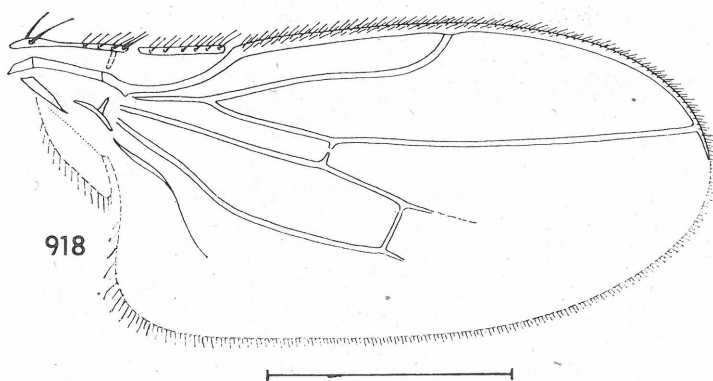
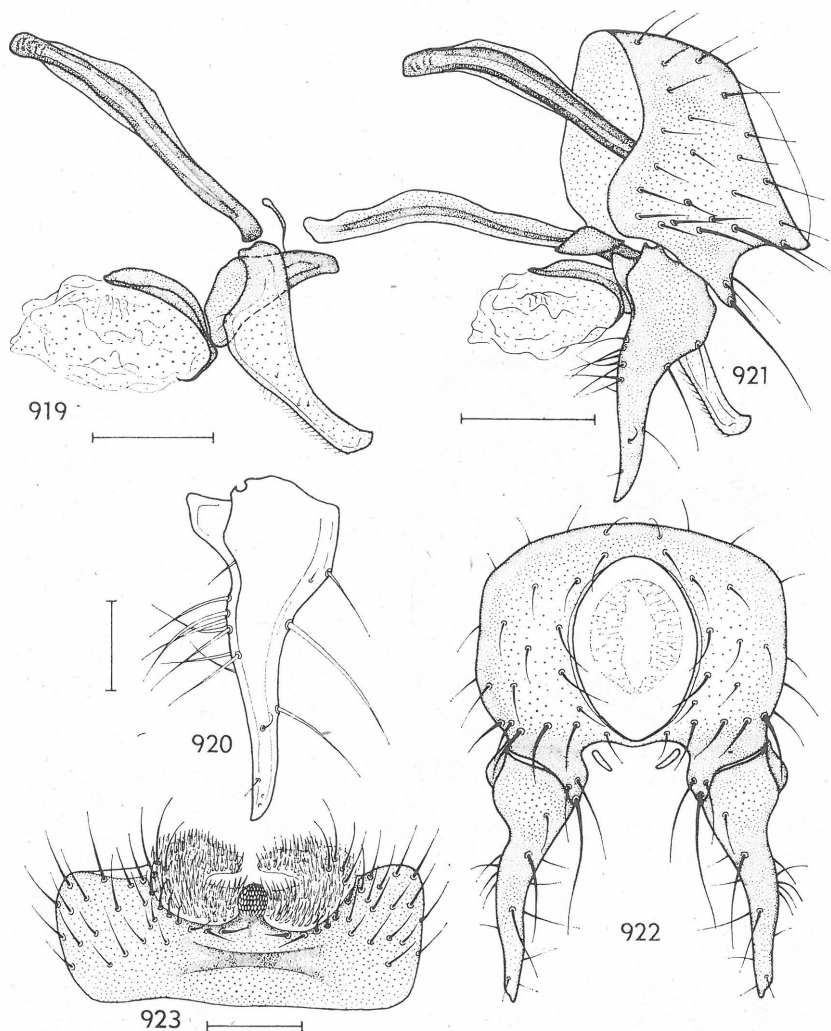
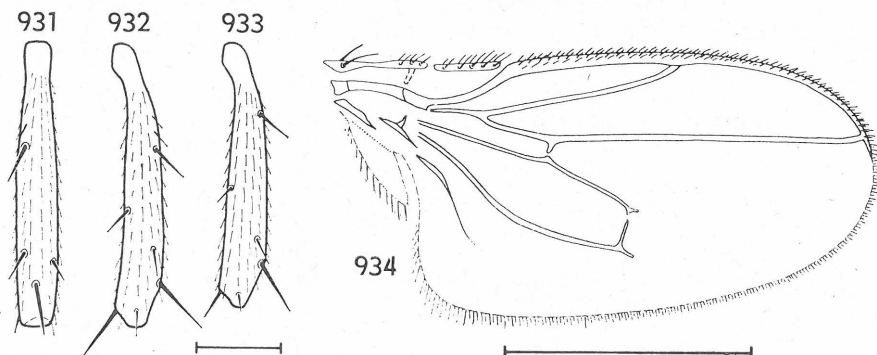


Fig. 918. *Telomerina antonini* spec. nov. (♂, paratype), wing. Scale = 0.5 mm.



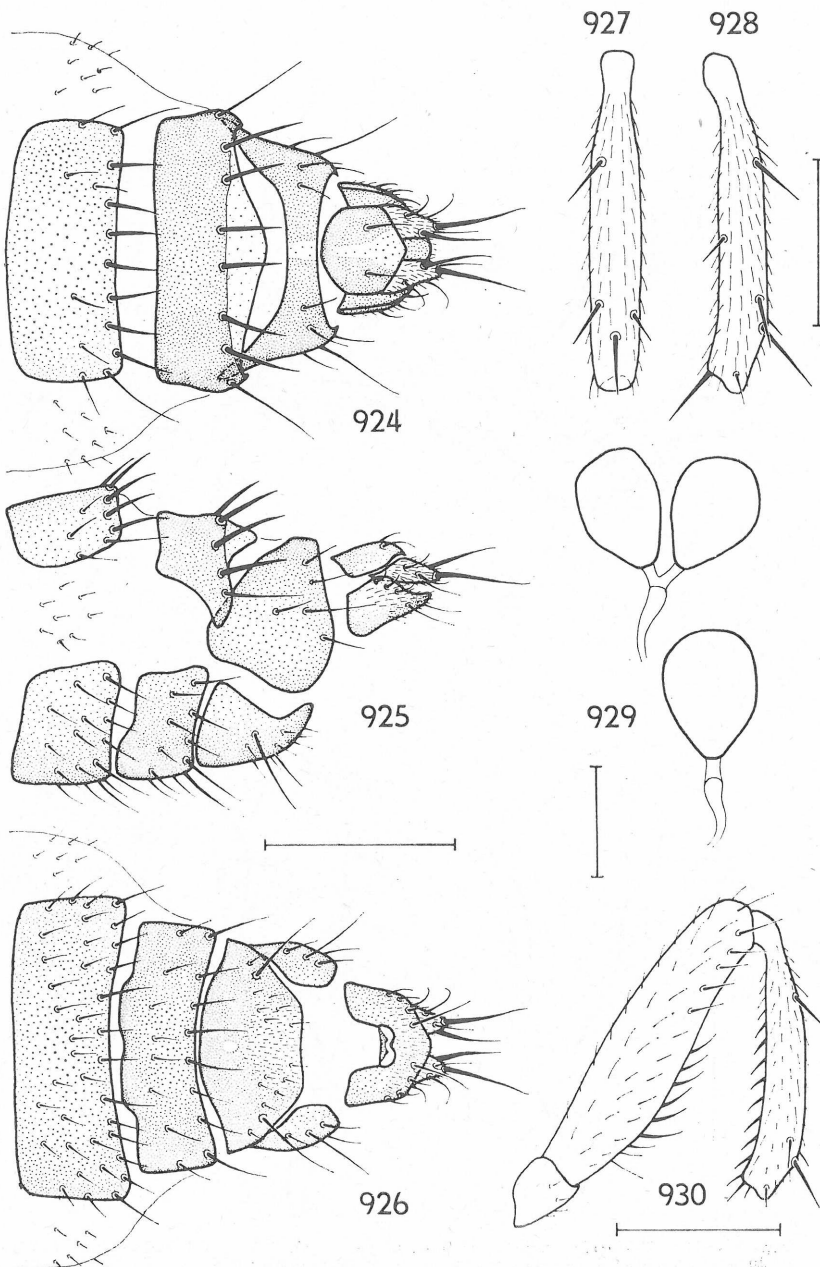
Figs. 919–923. *Telomerina antonini* spec. nov. (♂, holotype). 919 – aedeagal complex laterally (only left postgonite figured); 920 – telomere; 921 – genitalia laterally; 922 – ditto caudally (aedeagal complex omitted); 923 – *S5*. Scales: Figs. 919, 921–923 = 0.1 mm, Fig. 920 = 0.05 mm.



Figs. 931–933. *Telomerina ursina* spec. nov. (paratypes). 931 – female t₂ dorsally; 932 – ditto anteriorly; 933 – male t₂ anteriorly. Scale = 0.1 mm.

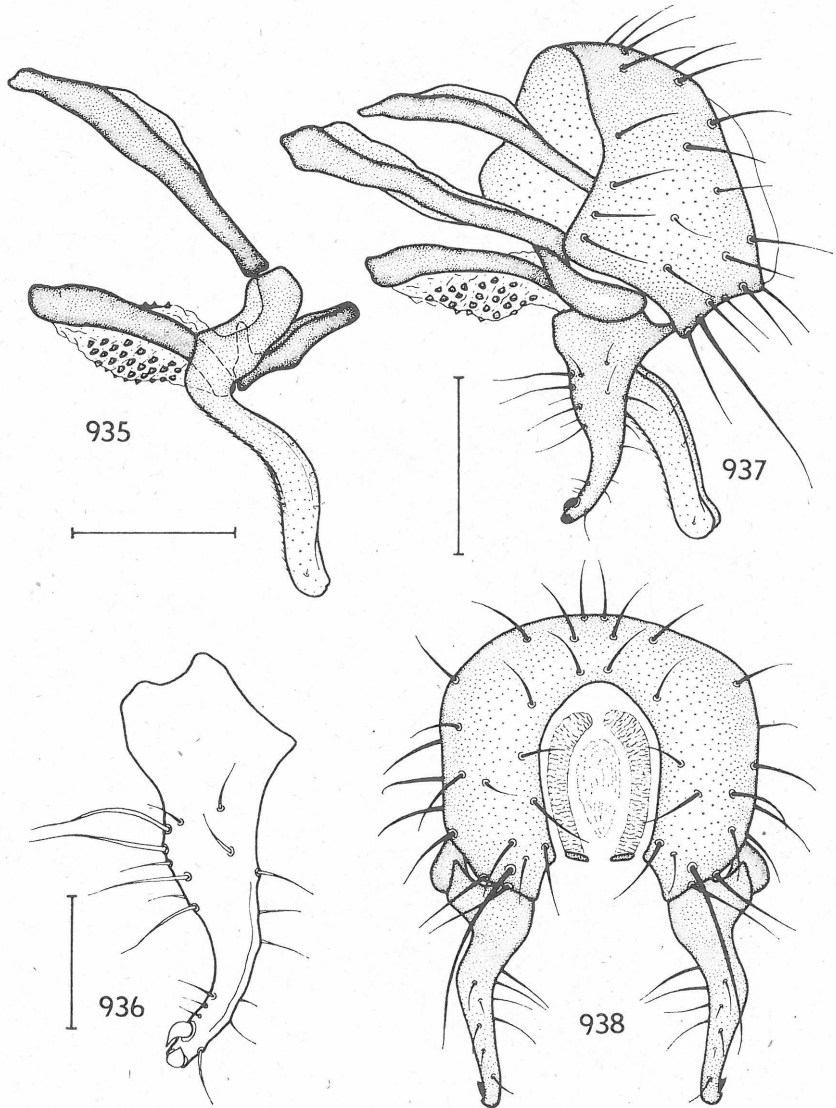
Fig. 934. *Telomerina ursina* spec. nov. (♂, paratype), wing. Scale = 0.5 mm.

Figs. 924–930 see page 151

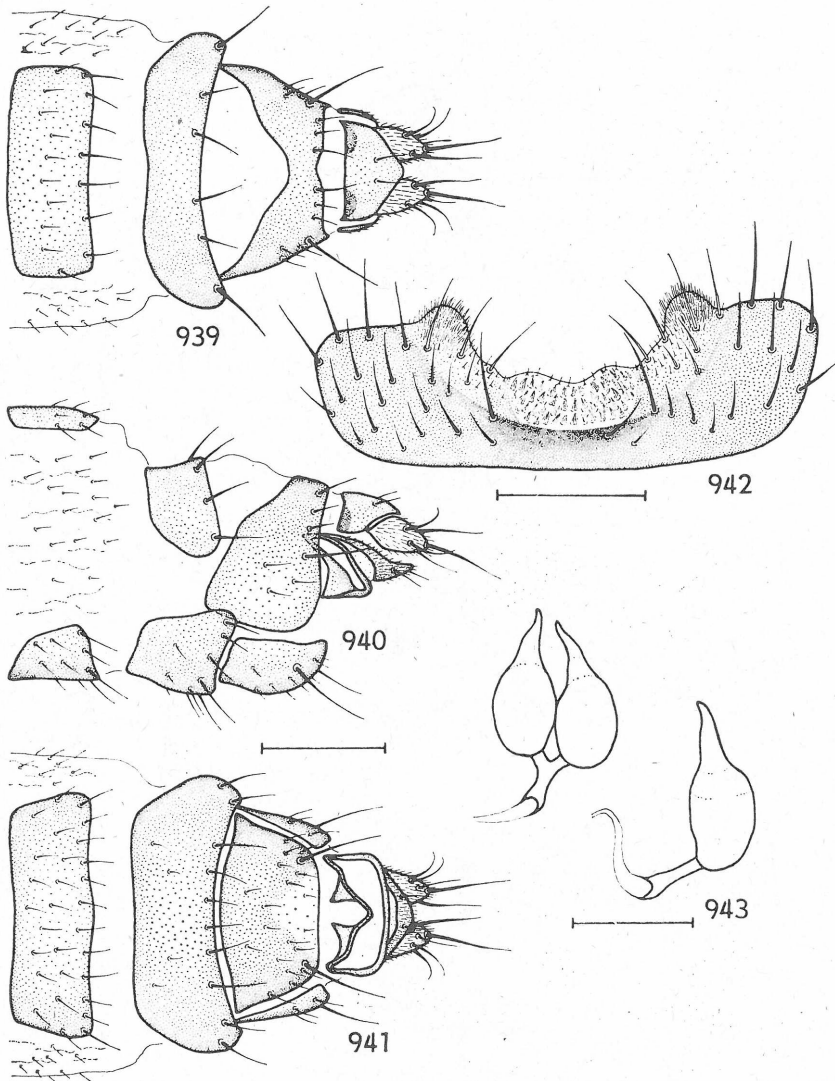


Figs. 924–930. *Telomerina antonini* spec. nov. 924 – female postabdomen dorsally; 925 – dtto laterally; 926 – dtto ventrally (paratype); 927 – female t_2 dorsally; 928 – dtto anteriorly (allotype); 929 – spermathecae (paratype); 930 – male mid trochanter, f_2 and t_2 anteriorly (holotype). Scales: Figs. 924–928, 930 = 0.2 mm, Fig. 929 = 0.05 mm.

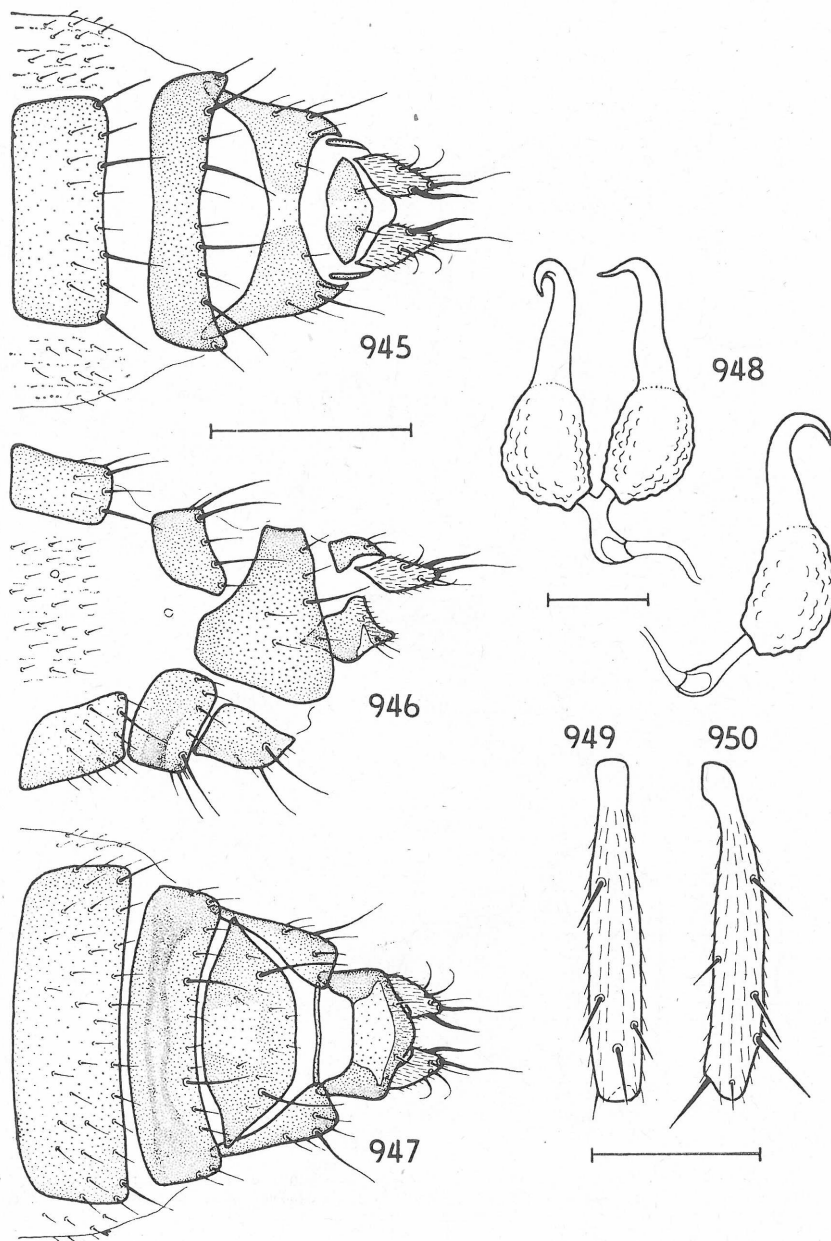
Figs. 931–934 see page 150



Figs. 935–938. *Telomerina ursina* spec. nov. (♂, paratype). 935 – aedeagal complex laterally (only left postgonite figured); 936 – telomere; 937 – genitalia laterally; 938 – ditto caudally (aedeagal complex omitted). Scales: Figs. 935, 937, 938 = 0.1 mm, Fig. 936 = 0.05 mm.



Figs. 939-943. *Telomerina ursina* spec. nov. (paratypes). 939 - female postabdomen dorsally; 940 - ditto laterally; 941 - ditto ventrally; 942 - male S5; 943 - spermathecae. Scales: Figs. 939-942 = 0.1 mm, Fig. 943 = 0.05 mm.



Figs. 945–950. *Telomerina eburnea* spec. nov. 945 – female postabdomen dorsally; 946 – dtto laterally; 947 – dtto ventrally; 948 – spermathecae (paratype); 949 – female t_2 dorsally; 950 – dtto anteriorly (holotype). Scales: Figs. 945–947, 949, 950 = 0.2 mm. Fig. 948 = 0.05 mm.

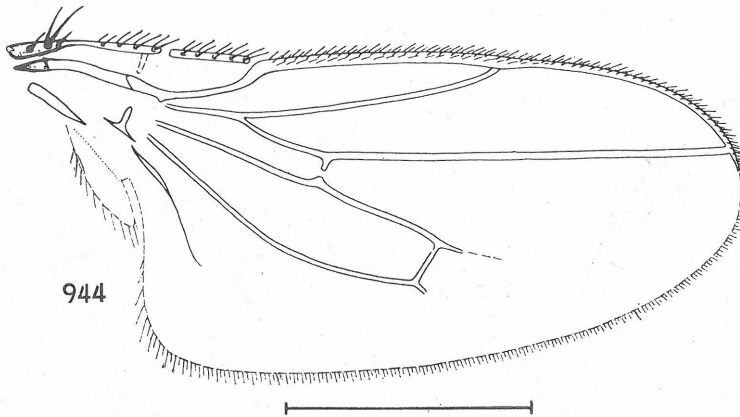
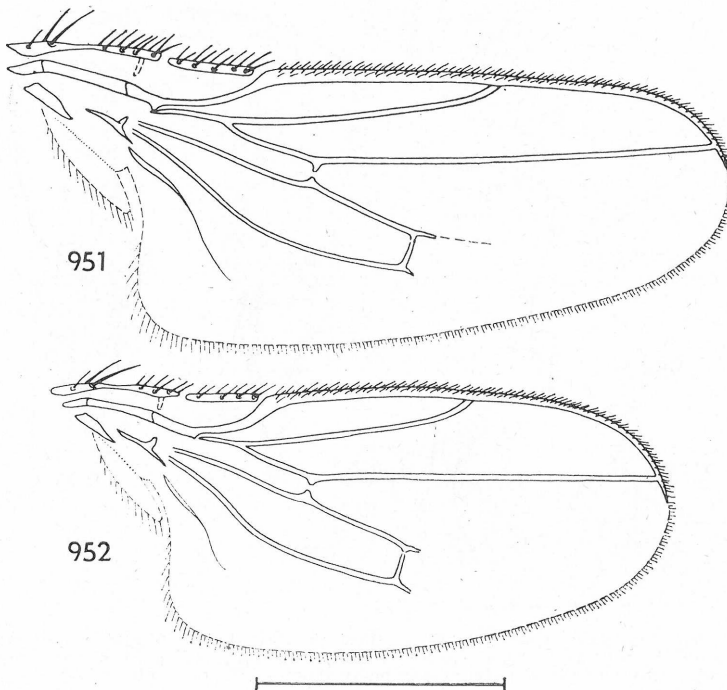
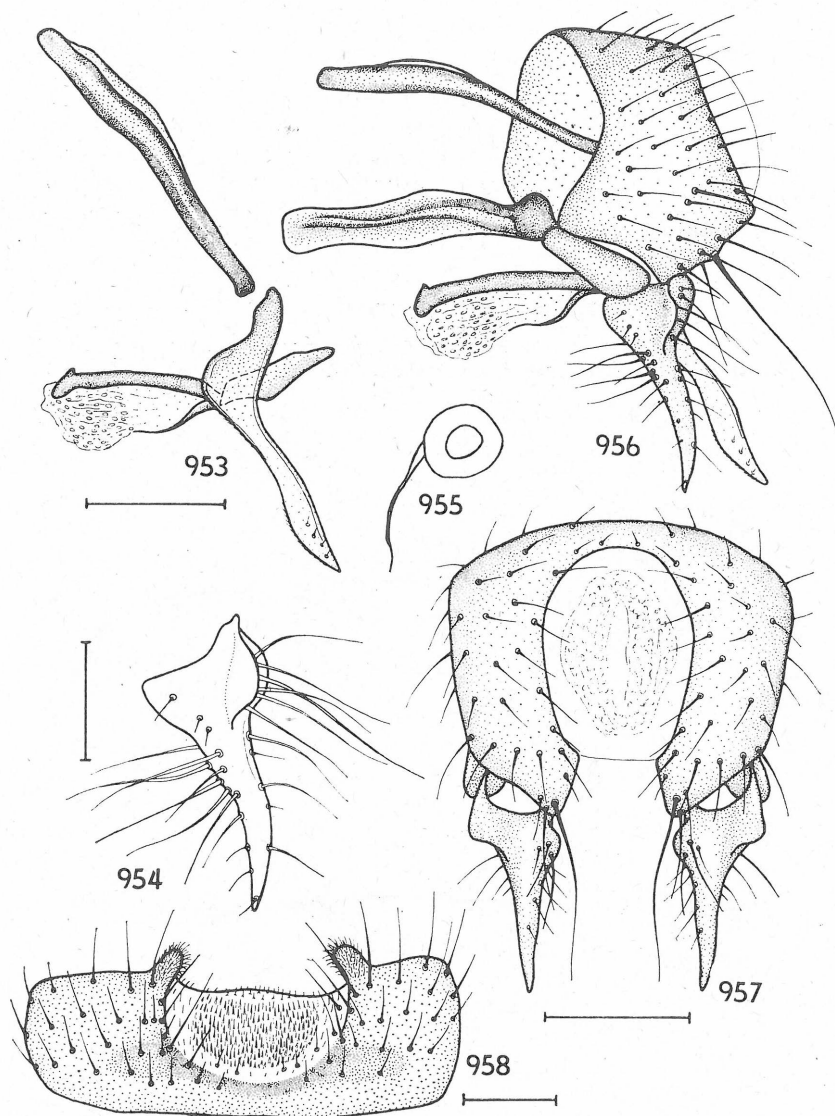


Fig. 944. *Telomerina eburnea* spec. nov. (♀, paratype), wing. Scale = 0.5 mm.

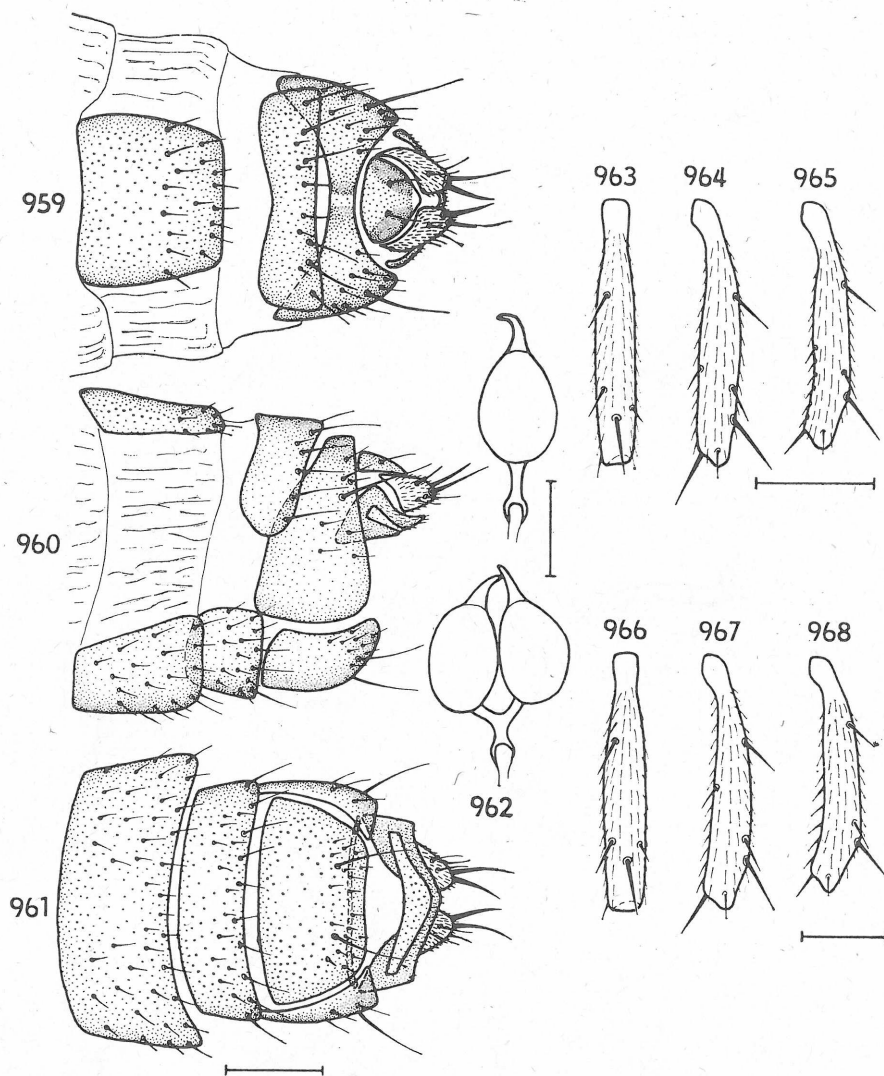


Figs. 951–952. *Telomerina flavipes* (MEIGEN) (Czechoslovakia), wings. 951 – female; 952 – male. Scale = 0.5 mm.

Figs. 945–950 see page 154



Figs. 953–958. *Telomerina flavipes* (MEIGEN) (♂, Czechoslovakia). 953 – aedeagal complex laterally (only left postgonite figured); 954 – telomere; 955 – enlarged 6th right abdominal spiracle; 956 – genitalia laterally; 957 – ditto caudally (aedeagal complex omitted); 958 – S5. Scales: Figs. 953, 955–958 = 0.1 mm, Fig. 954 = 0.05 mm.



Figs. 959–962. *Telomerina flavipes* (MEIGEN) (♀, Czechoslovakia). 959 – postabdomen dorsally; 960 – dtto laterally; 961 – dtto ventrally; 962 – spermathecae. Scales: Figs. 959–961 = 0.1 mm, Fig. 962 = 0.05 mm.

Figs. 963–968. Figs. 963–965. *Telomerina flavipes* (MEIGEN) (Czechoslovakia). 963 – female t_2 dorsally; 964 – dtto anteriorly; 965 – male t_2 anteriorly; Figs. 966–968. *Telomerina pseudoleucoptera* (DUDA) (Czechoslovakia). 966 – female t_2 dorsally; 967 – dtto anteriorly; 968 – male t_2 anteriorly. Scales: Figs. 963–965 = 0.2 mm, Figs. 966–968 = 0.1 mm.

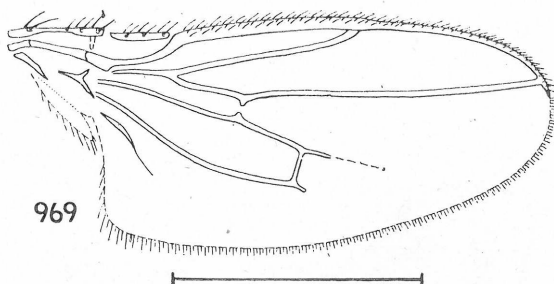
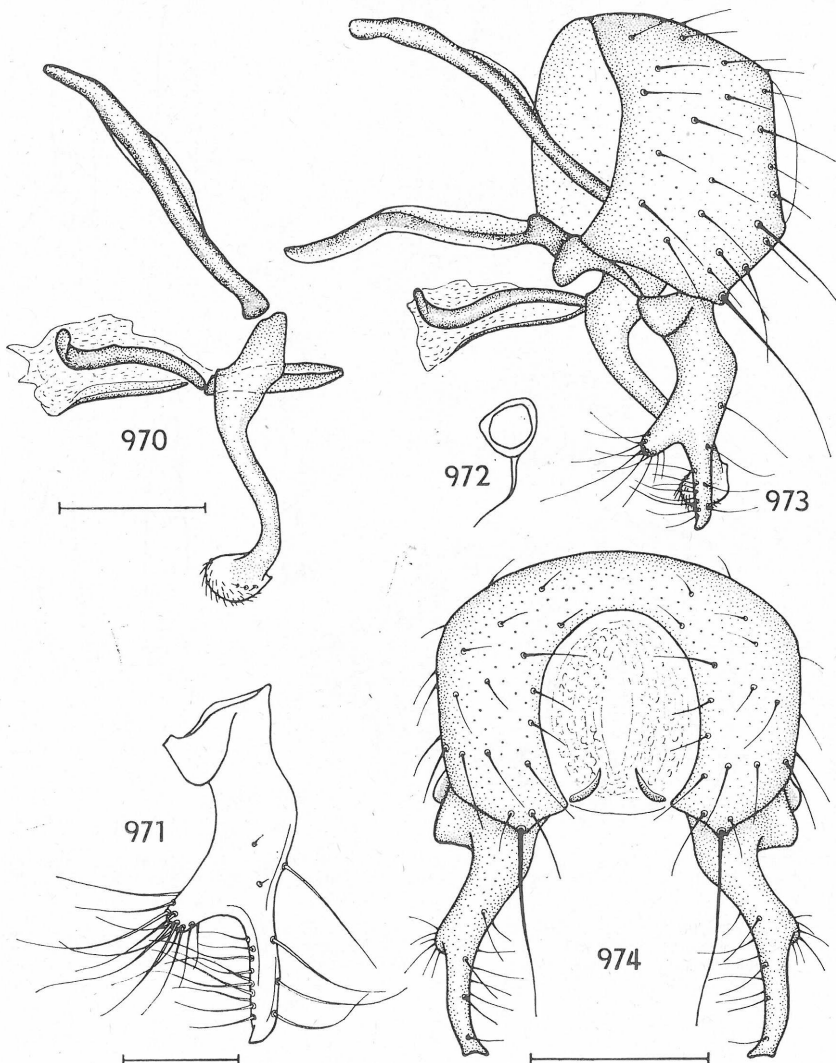
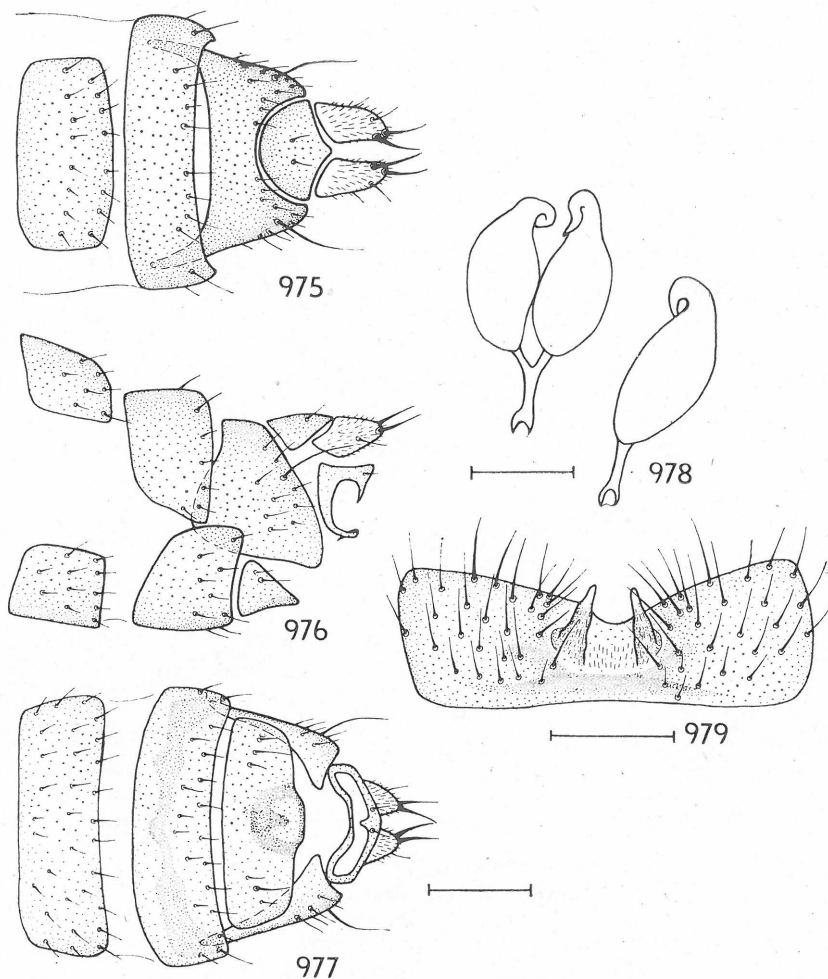


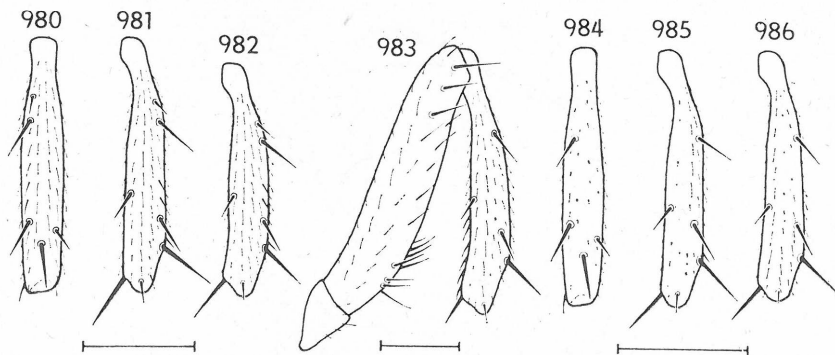
Fig. 969. *Telomerina pseudoleucoptera* (DUDA) (♀, Czechoslovakia), wing. Scale 0.5 mm.



Figs. 970—974. *Telomerina pseudoleucoptera* (DUDA) (♂, Czechoslovakia). 970 — aedeagal complex laterally (only left postgonite figured); 971 — telomere; 972 — enlarged 6th right abdominal spiracle; 973 — genitalia laterally; 974 — ditto caudally (aedeagal complex omitted). Scales: Figs. 970, 972—974 = 0.1 mm, Fig. 971 = 0.05 mm.



Figs. 975–979. *Telomerina pseudoleucoptera* (DUDA) (Czechoslovakia). 975 – female postabdomen dorsally; 976 – ditto laterally; 977 – ditto ventrally; 978 – spermathecae; 979 – male S5. Scales: Figs. 975–977, 979 = 0.1 mm, Fig. 978 = 0.05 mm.



Figs. 980–986. Figs. 980–982. *Opalimosina* (P.) *liliputana* (RONDANI) (Czechoslovakia). 980 – female t_2 dorsally; 981 – ditto anteriorly; 982 – male t_2 anteriorly. Fig. 983. *Opalimosina* (H.) *czernyi* (DUDA) (Czechoslovakia), male mid trochanter, t_2 and t_2 anteriorly; Figs. 984–986. *Opalimosina* (D.) *denticulata* (DUDA) (Czechoslovakia). 984 – female t_2 dorsally; 985 – ditto anteriorly; 986 – male t_2 anteriorly. Scales: Figs. 980–982, 984–986 = 0.2 mm, Fig. 983 = 0.1 mm.

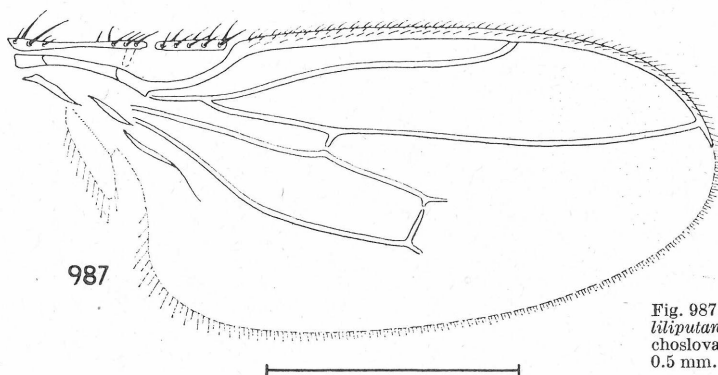
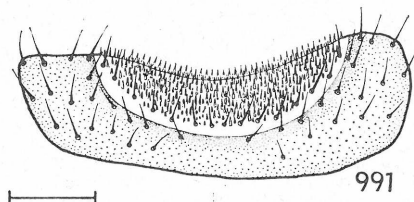
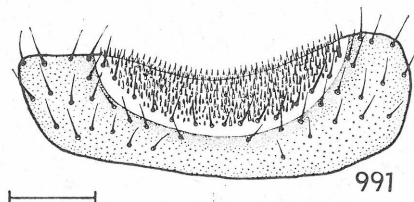
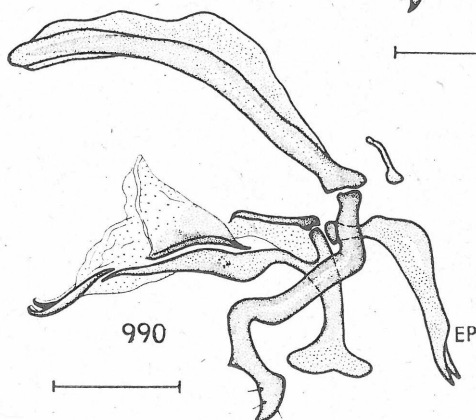
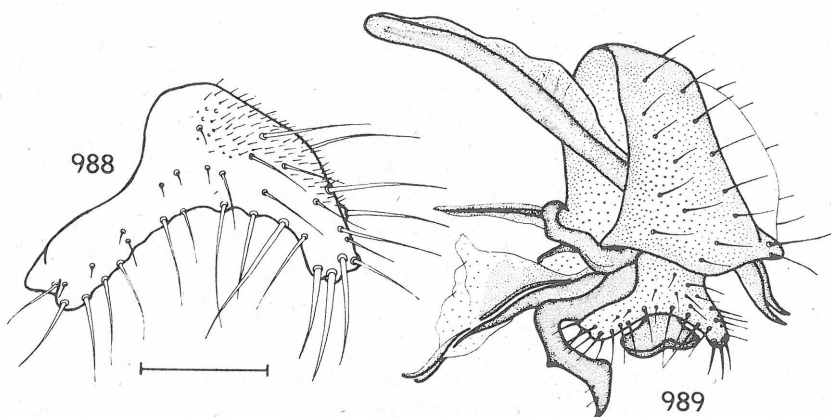
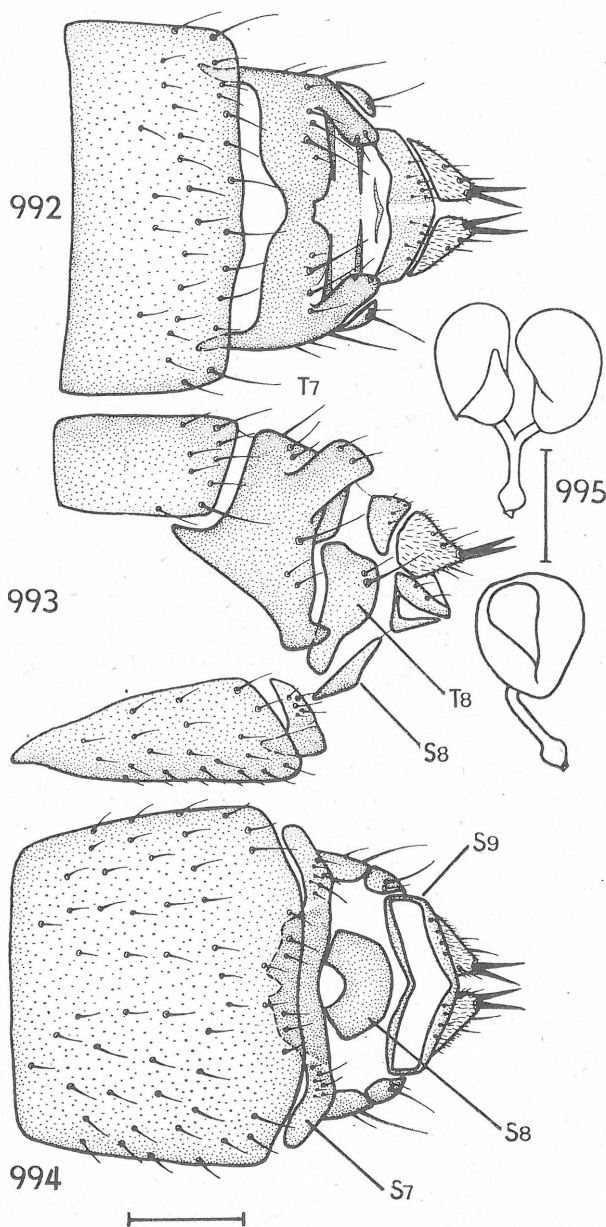


Fig. 987. *Opalimosina* (P.) *liliputana* (RONDANI) (♀, Czechoslovakia), wing. Scale = 0.5 mm.





Figs. 992–995. *Opalimosina* (*P.*) *liliputana* (RONDANI) (♀, Czechoslovakia). 992 – postabdomen dorsally; 993 – dtto laterally; 994 – dtto ventrally; 995 – spermathecae. Scales: Figs. 992–994 = 0.1 mm, Fig. 995 = 0.05 mm. Abbreviations: see p. 198 (Part I).

Figs. 988–991. *Opalimosina* (*P.*) *liliputana* (RONDANI) (♂, Czechoslovakia). 988 – telomere; 989 – genitalia laterally; 990 – aedeagal complex laterally (only left postgonite figured); 991 – S5. Scales: Fig. 988 = 0.05 mm, Figs. 989–991 = 0.1 mm. Abbreviations: see p. 198 (Part I).

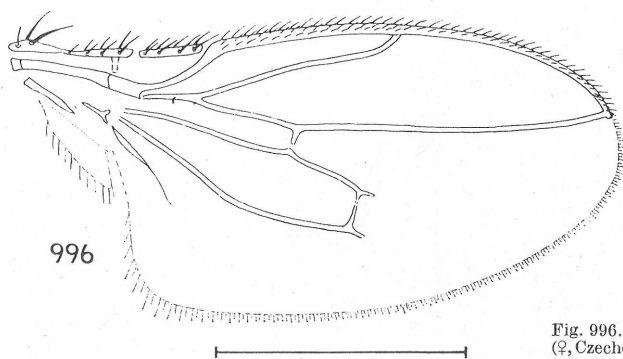
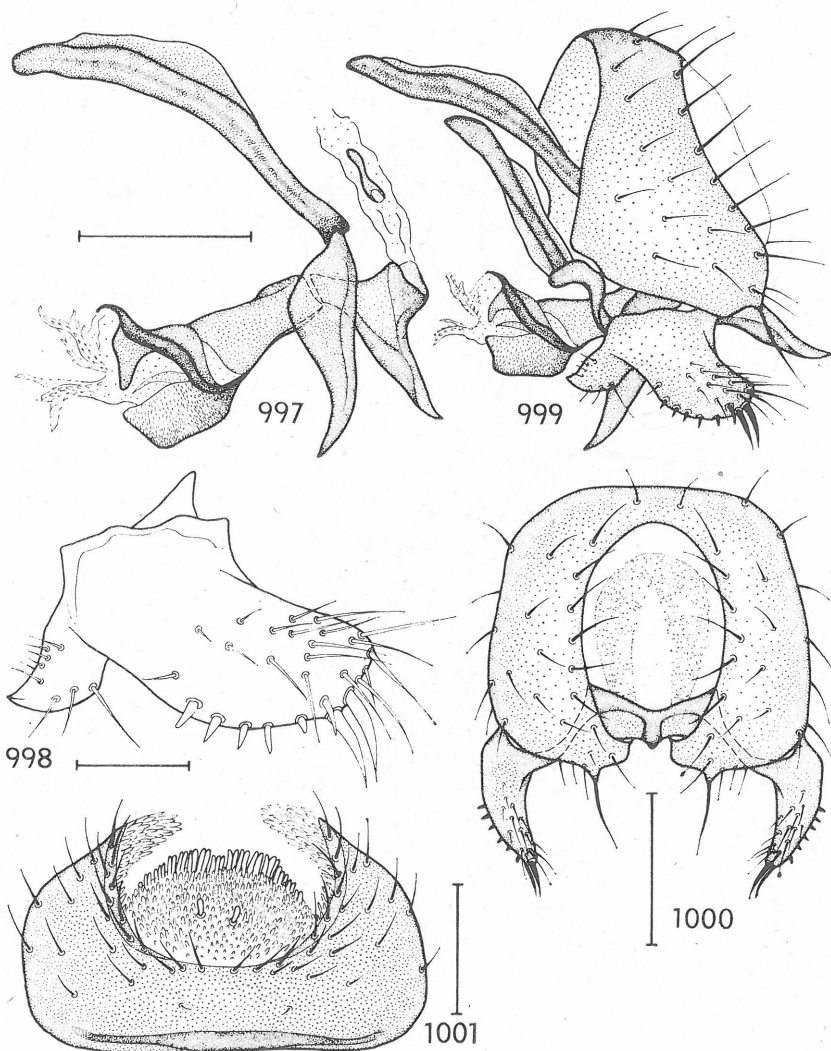
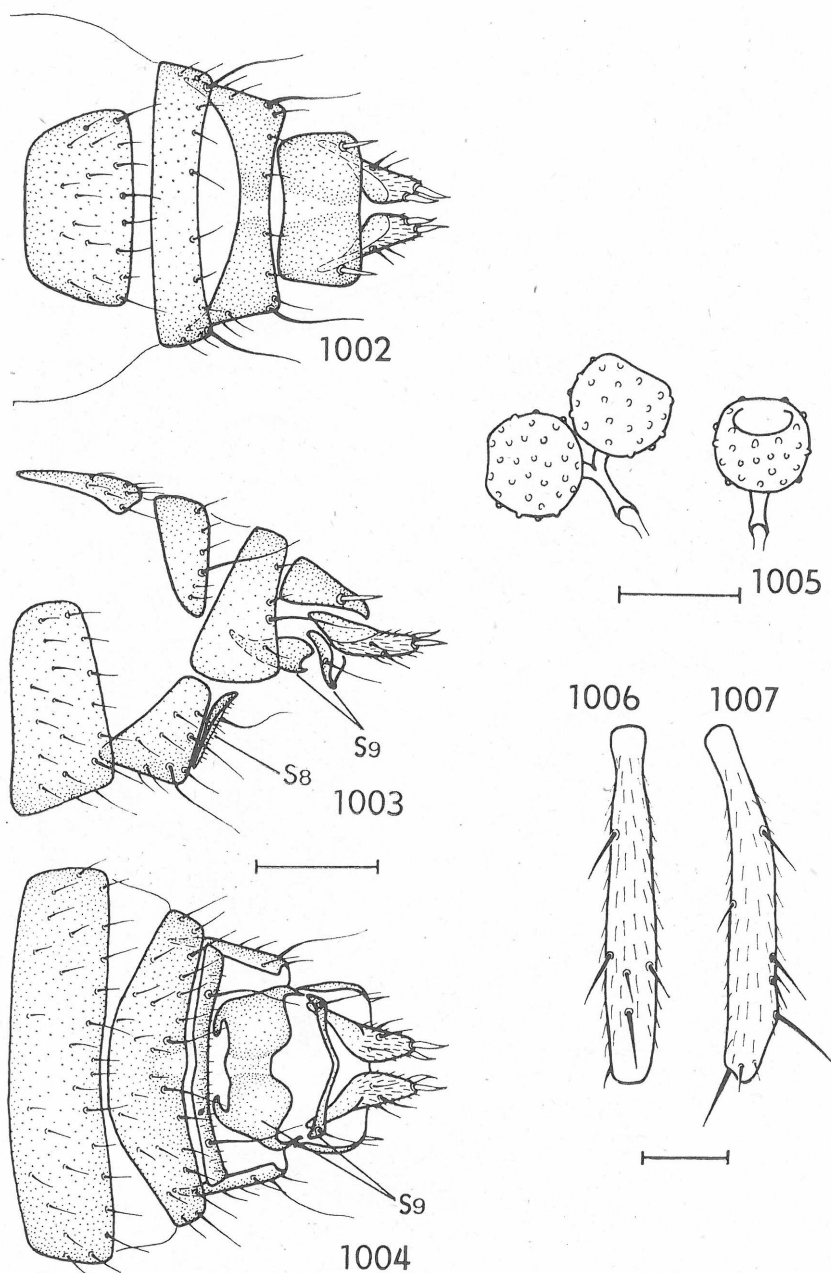


Fig. 996. *Opalimosina* (H.) *czernyi* (DUDA) (♀, Czechoslovakia), wing. Scale = 0.5 mm.

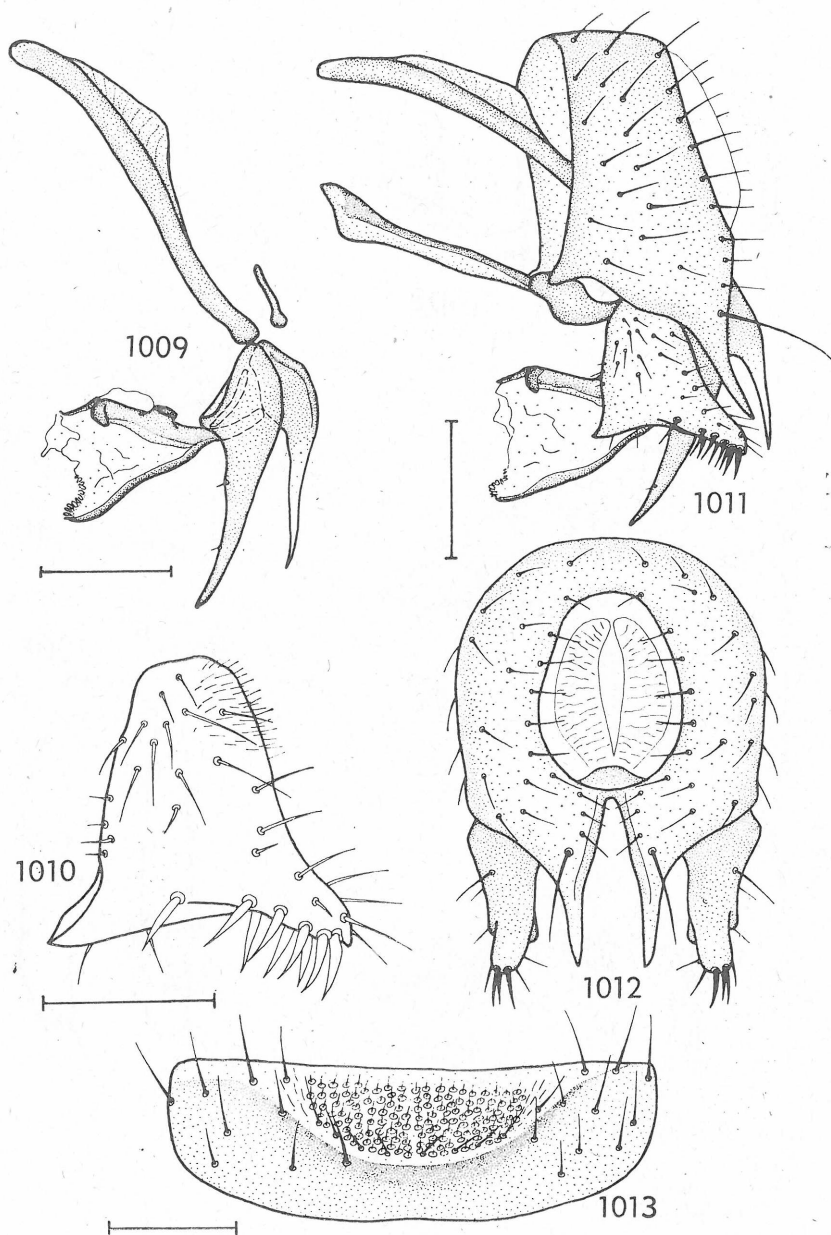


Figs. 997–1001. *Opalimosina* (H.) *czernyi* (DUDA) (♂, Czechoslovakia). 997 – aedeagal complex laterally (only left postgonite figured); 998 – telomere; 999 – genitalia laterally; 1000 – dtto caudally (aedeagal complex omitted); 1001 – *S5*. Scales: Figs. 997, 999–1001 = 0.1 mm, Fig. 998 = 0.03 mm.

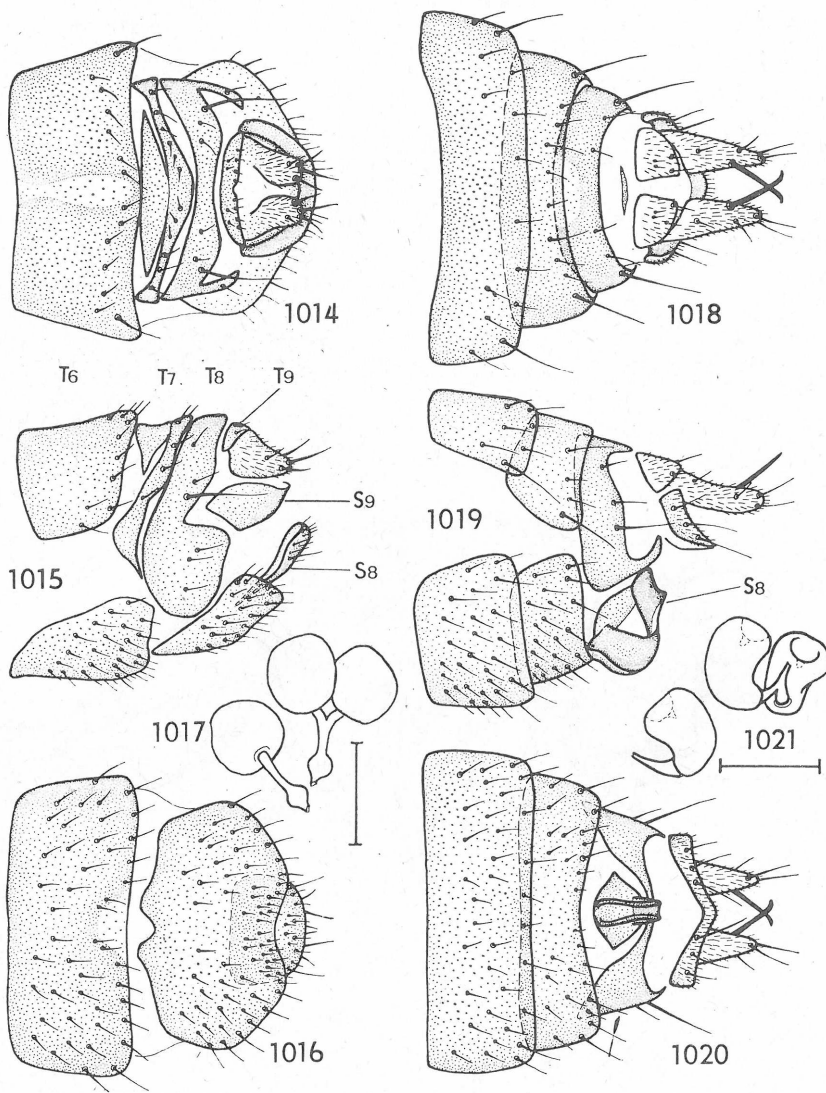


Figs. 1002–1007. *Opalimosina (H.) czernyi* (DUDA) (♀, Czechoslovakia). 1002 – postabdomen dorsally; 1003 – ditto laterally; 1004 – ditto ventrally; 1005 – spermathecae; 1006 – t_2 dorsally; 1007 – ditto anteriorly. Scales: Figs. 1002–1004, 1006, 1007 = 0.1 mm, Fig. 1005 = 0.05 mm. Abbreviations: see p. 198 (Part I).

Fig. 1008 see page 167



Figs. 1009–1013. *Opalimosina (D.) denticulata* (DUDA) (♂, Czechoslovakia). 1009 – aedeagal complex laterally (only left postgonite figured); 1010 – telomere; 1011 – genitalia laterally; 1012 – dtto caudally (aedeagal complex omitted); 1013 – S5. Scales: Figs. 1009, 1011–1013 = 0.1 mm, Fig. 1010 = 0.05 mm.



Figs. 1014–1021. Figs. 1014–1017. *Opalimosina (D.) denticulata* (DUDA) (♀, Czechoslovakia). 1014 – postabdomen dorsally; 1015 – dttto laterally; 1016 – dttto ventrally; 1017 – spermathecae; Figs. 1018–1021. *Opalimosina (O.) mirabilis* (COLLIN) (♀, Czechoslovakia). 1018 – postabdomen dorsally; 1019 – dttto laterally; 1020 – dttto ventrally; 1021 – spermathecae. Scales: Figs. 1014–1016, 1018–1020 = 0.1 mm, Figs. 1017, 1021 = 0.05 mm. Abbreviations: see p. 198 (Part I).

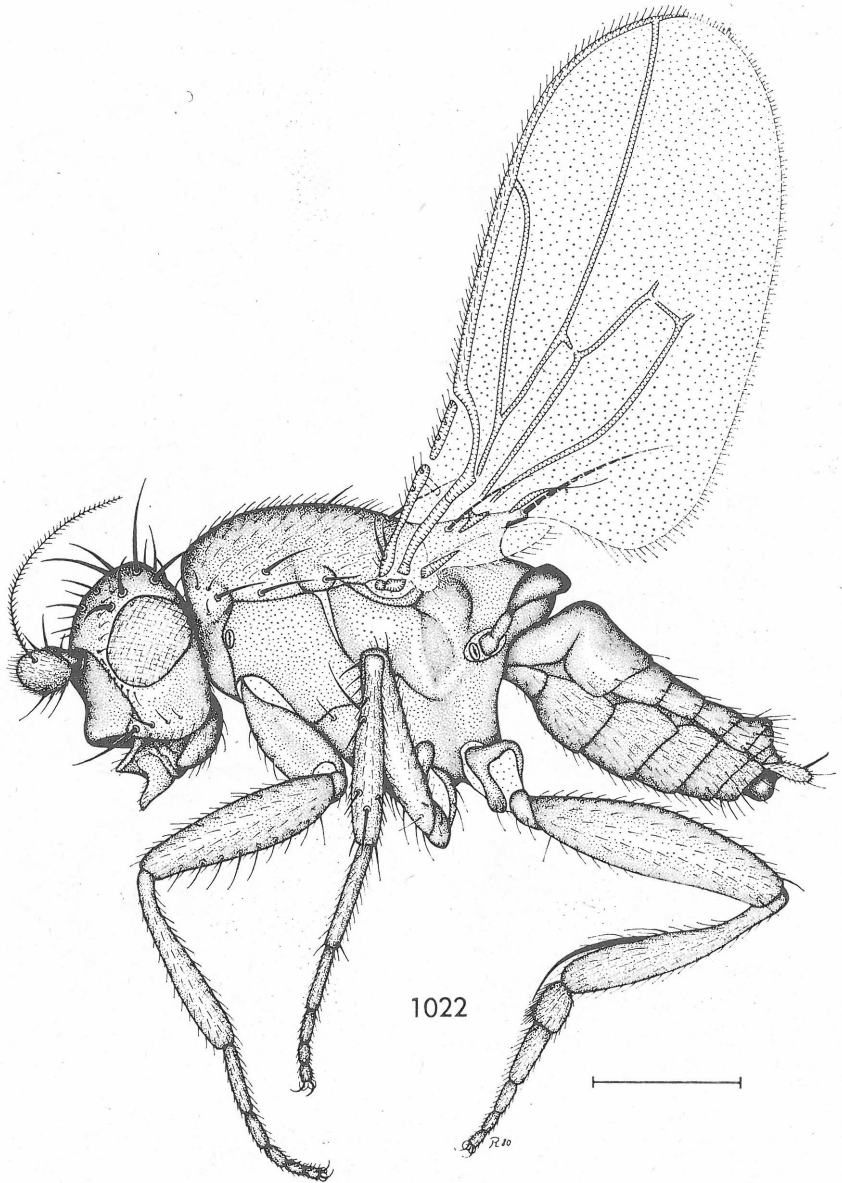
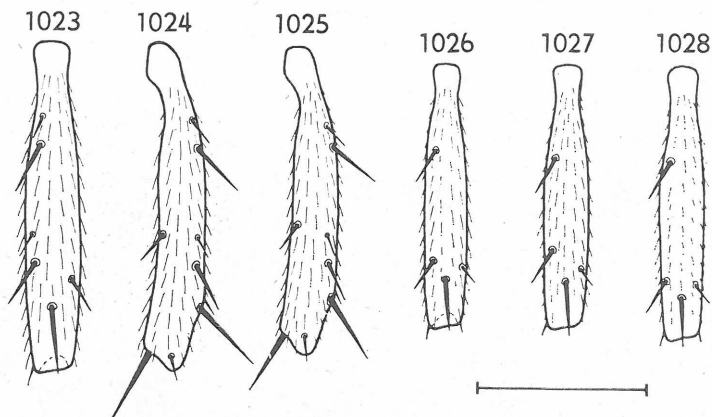


Fig. 1022. *Opalimosina* (*O.*) *mirabilis* (COLLIN), female (Czechoslovakia). Scale = 0.3 mm.



Figs. 1023—1028. Figs. 1023—1025. *Opalimosina* (*O.*) *mirabilis* (COLLIN) (Czechoslovakia). 1023 — female t_2 dorsally; 1024 — dtto anteriorly; 1025 — male t_2 anteriorly; Fig. 1026. *Opalimosina* (*O.*) *calcarifera* (ROHÁČEK) (Czechoslovakia), female t_2 dorsally; Fig. 1027. *Opalimosina* (*O.*) *collini* (RICHARDS) (Czechoslovakia), female t_2 dorsally; Fig. 1028. *Opalimosina* (*O.*) *simplex* (RICHARDS) (Czechoslovakia), female t_2 dorsally. Scale = 0.2 mm.

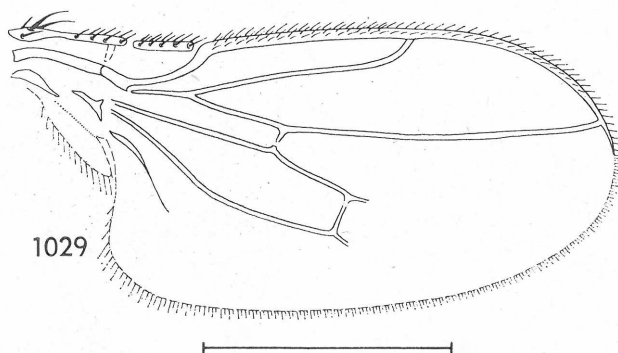


Fig. 1029. *Opalimosina* (*O.*) *mirabilis* (COLLIN) (♂, Czechoslovakia), wing. Scale = 0.5 mm.

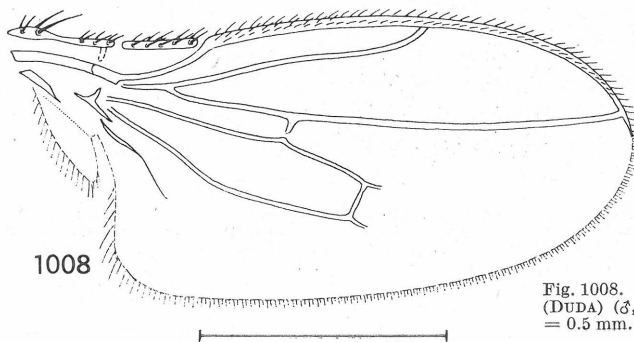
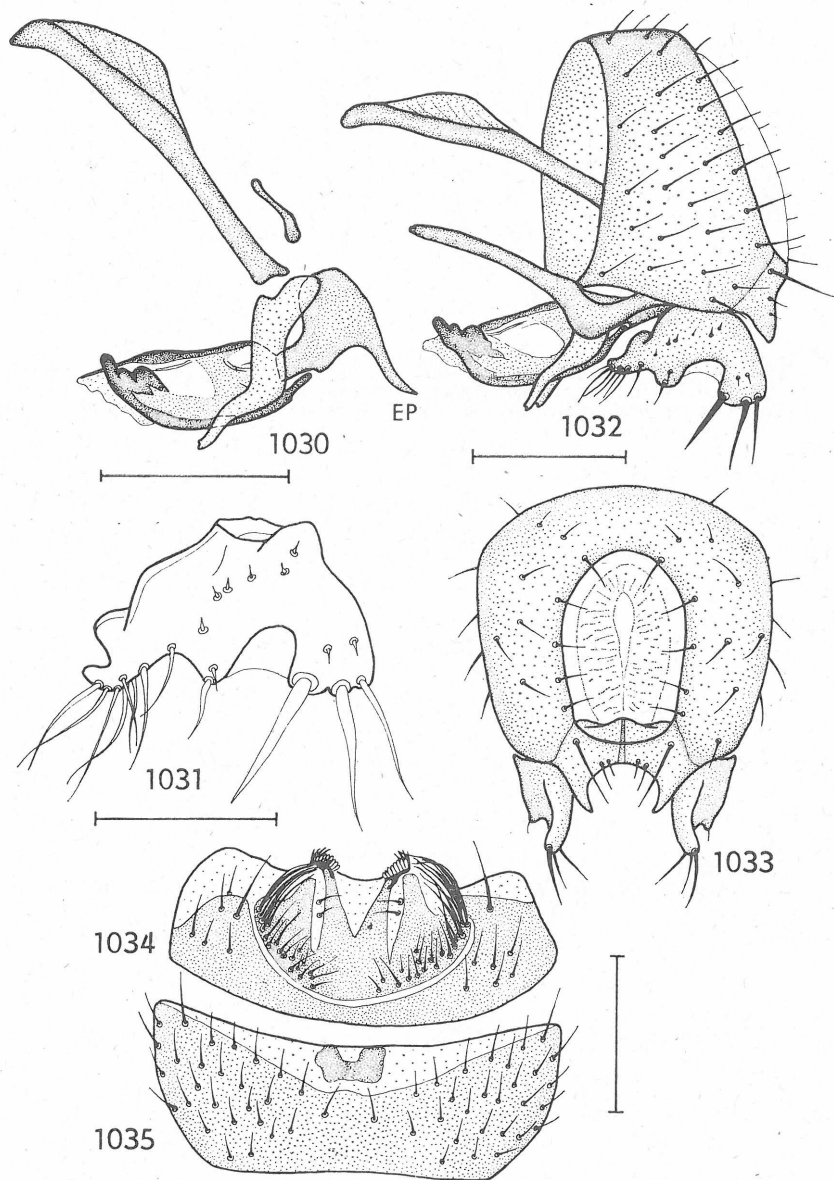


Fig. 1008. *Opalimosina* (*D.*) *denticulata* (DUDA) (♂, Czechoslovakia), wing. Scale = 0.5 mm.



Figs. 1030–1035. *Opalimosina* (*O.*) *mirabilis* (COLLIN) (♂, Czechoslovakia). 1030 – aedeagal complex laterally (only left postgonite figured); 1031 – telomere; 1032 – genitalia laterally; 1033 – ditto caudally (aedeagal complex omitted); 1034 – S5; 1035 – S4. Scales: Figs. 1030, 1032, 1033 = 0.1 mm, Fig. 1031 = 0.05 mm, Figs. 1034, 1035 = 0.2 mm. Abbreviations: see p. 198 (Part I).

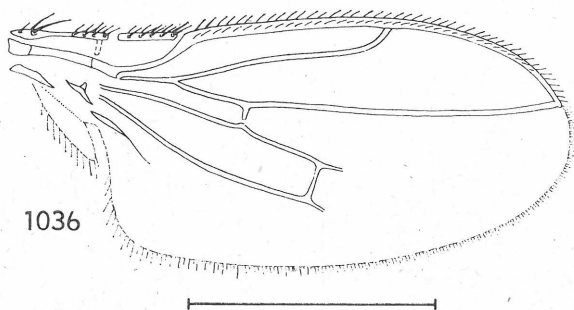
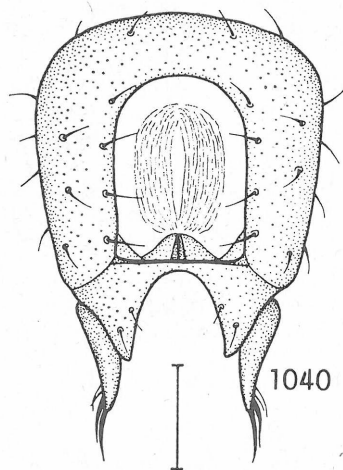
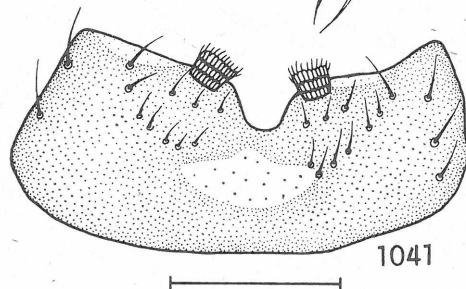
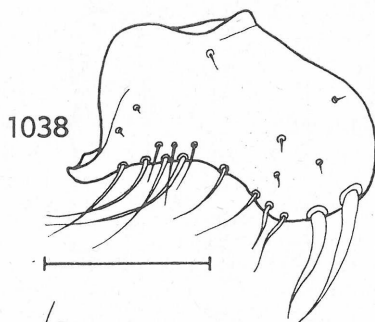
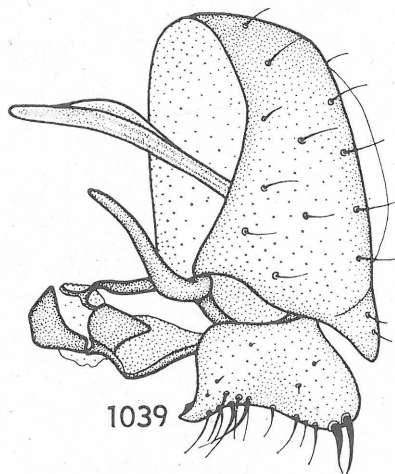
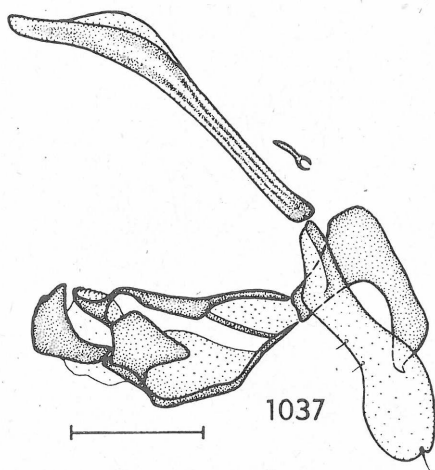
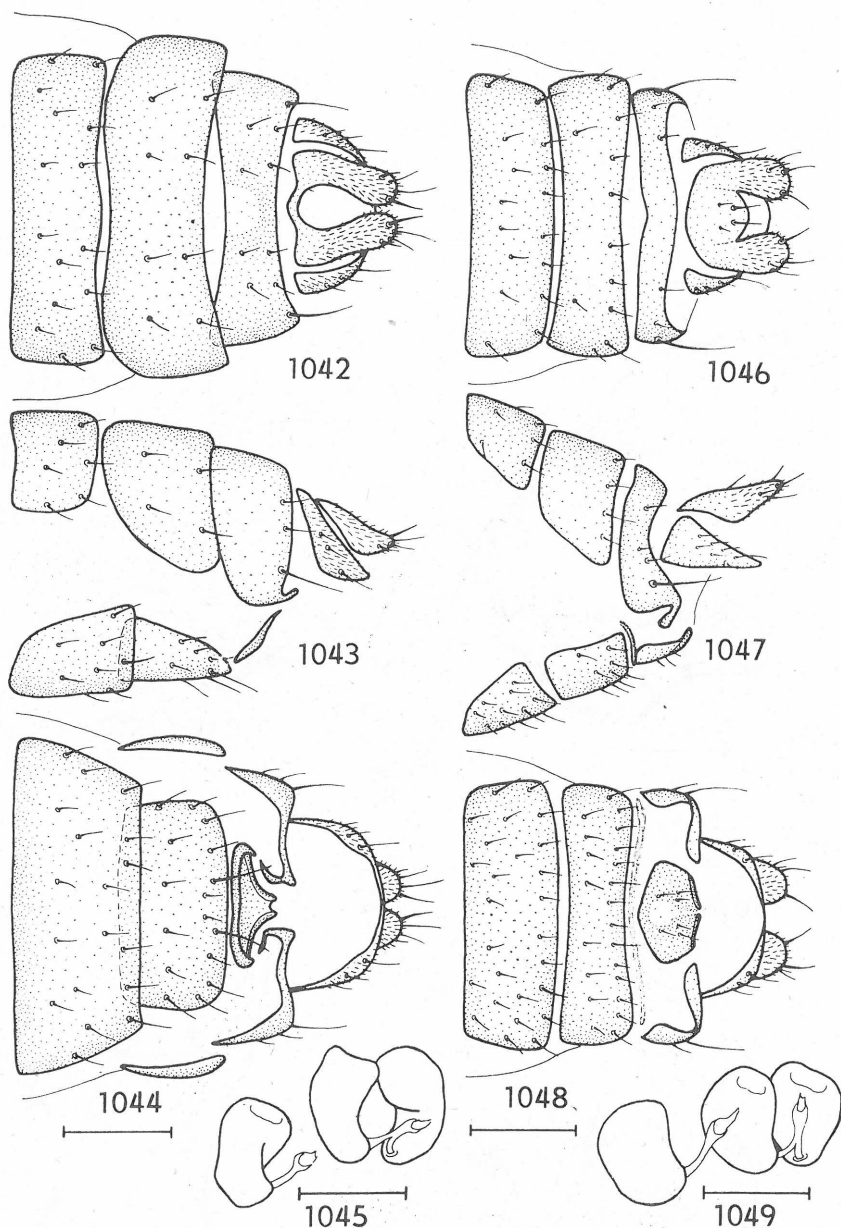


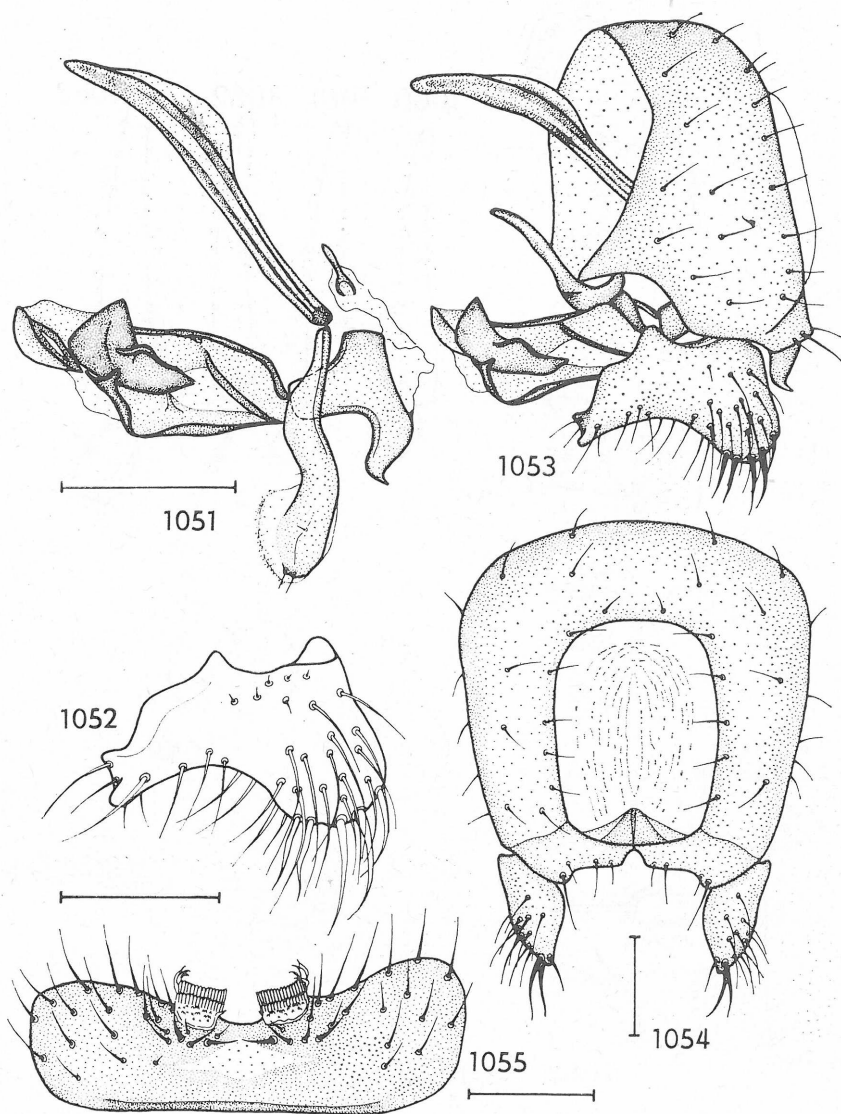
Fig. 1036. *Opalimosina (O.) calcarifera* (ROHÁČEK) (♀, allotype), wing. Scale = 0.5 mm.



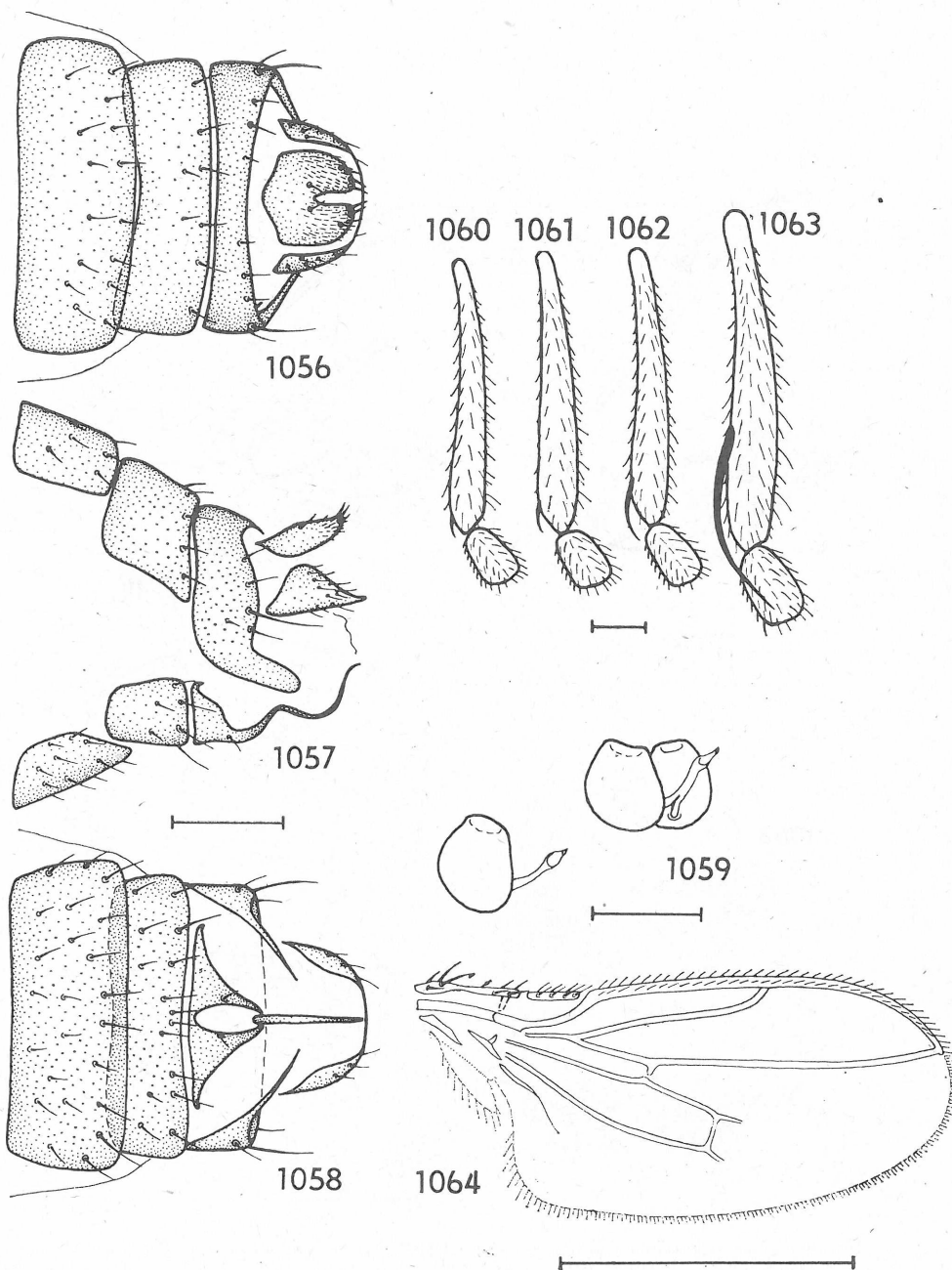
Figs. 1037–1041. *Opalimosina (O.) calcarifera* (ROHÁČEK). 1037 – aedeagal complex laterally (only left postgonite figured); 1038 – telomere; 1039 – male genitalia laterally; 1040 – ditto caudally (aedeagal complex omitted); 1041 – male S5. Figs. 1037, 1038, 1041 based on holotype, Figs. 1039, 1040 based on ♂ from Czechoslovakia. Scales: Figs. 1037–1040 = 0.05 mm, Fig. 1041 = 0.1 mm.



Figs. 1042–1049. Figs. 1042–1045. *Opalimosina (O.) calcarifera* (ROHÁČEK) (♀, allotype). 1042 – post abdomen dorsally; 1043 – dtto laterally; 1044 – dtto ventrally; 1045 – spermathecae; Figs. 1046–1049 *Opalimosina (O.) collini* (RICHARDS) (♀, Czechoslovakia). 1046 – postabdomen dorsally; 1047 – dtto laterally; 1048 – dtto ventrally; 1049 – spermathecae. Scales: Figs. 1042–1044, 1046–1048 = 0.1 mm, Figs. 1045, 1049 = 0.05 mm.

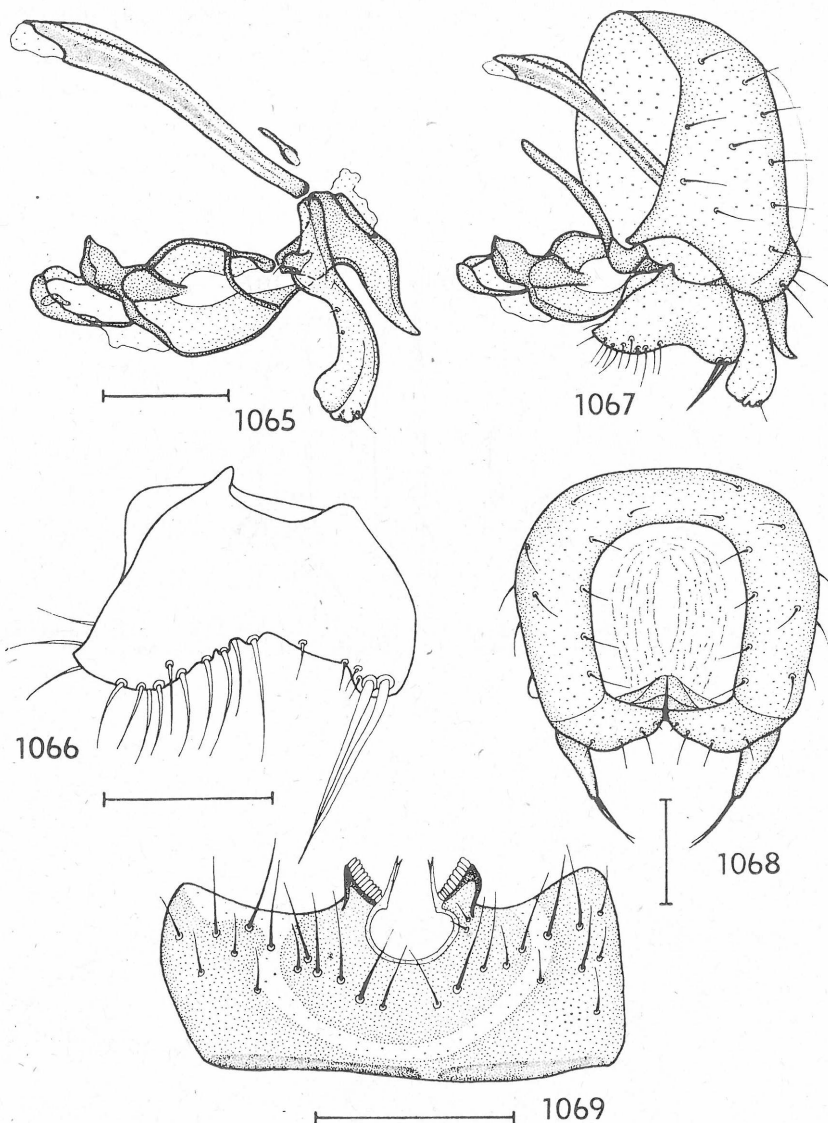


Figs. 1051–1055. *Opalimosina (O.) simplex* (RICHARDS). 1051 – aedeagal complex laterally (only left postgonite figured); 1052 – telomere; 1053 – genitalia laterally; 1054 – ditto caudally (aedeagal complex omitted); 1055 – S5. Scales: Figs. 1051, 1055 = 0.1 mm, Figs. 1052–1054 = 0.05 mm.



Figs. 1056–1063. Figs. 1956–1059. *Opalimosina* (*O.*) *simplex* (RICHARDS) (♀, Czechoslovakia). 1056 – post-abdomen dorsally; 1057 – dtto laterally; 1058 – dtto ventrally; 1059 – spermathecae; Figs. 1060–1063. *t*₃ and *mt*₃ of *Opalimosina* species anteriorly (♂♂, Czechoslovakia). 1060 – *O.* (*O.*) *collini* (RICHARDS); 1061 – *O.* (*O.*) *simplex* (RICHARDS); 1062 – *O.* (*O.*) *calcarifera* (ROHÁČEK); 1063 – *O.* (*O.*) *mirabilis* (COLLIN). Scales: Figs. 1056–1058, 1060–1063 = 0.1 mm, Fig. 1059 = 0.05 mm.

Fig. 1064. *Opalimosina* (*O.*) *collini* (RICHARDS) (♀, Czechoslovakia), wing. Scale = 0.5 mm.



Figs. 1065–1069. *Opalimosina (O.) collini* (RICHARDS) (♂, Czechoslovakia). 1065 – aedeagal complex laterally (only left postgonite figured); 1066 – telomere; 1067 – genitalia laterally; 1068 – dtto caudally (aedeagal complex omitted); 1069 – S5. Scales: Figs. 1065, 1067, 1068 = 0.05 mm, Fig. 1066 = 0.03 mm, Fig. 1069 = 0.1 mm.

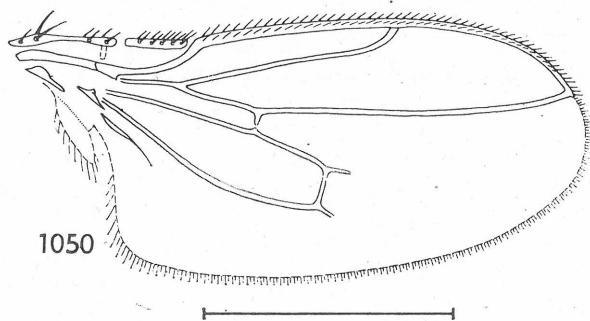
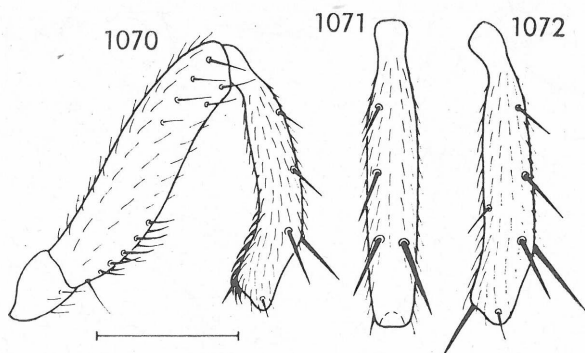


Fig. 1050. *Opalimosina (O.) simplex* (RICHARDS) (♂, Czechoslovakia), wing. Scale = 0.5 mm.



Figs. 1070–1072. *Rudolfia rozkosnyi* (ROHÁČEK) (Czechoslovakia). 1070 — male mid trochanter, f_2 and t_2 anteriorly; 1071 — female t_2 dorsally; 1072 — dtto anteriorly. Scale = 0.2 mm.

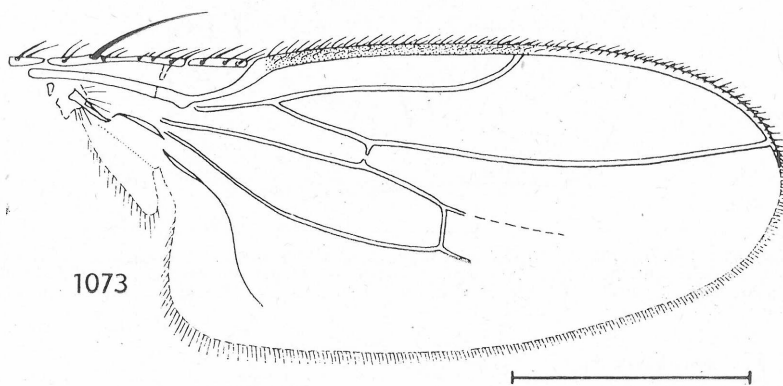
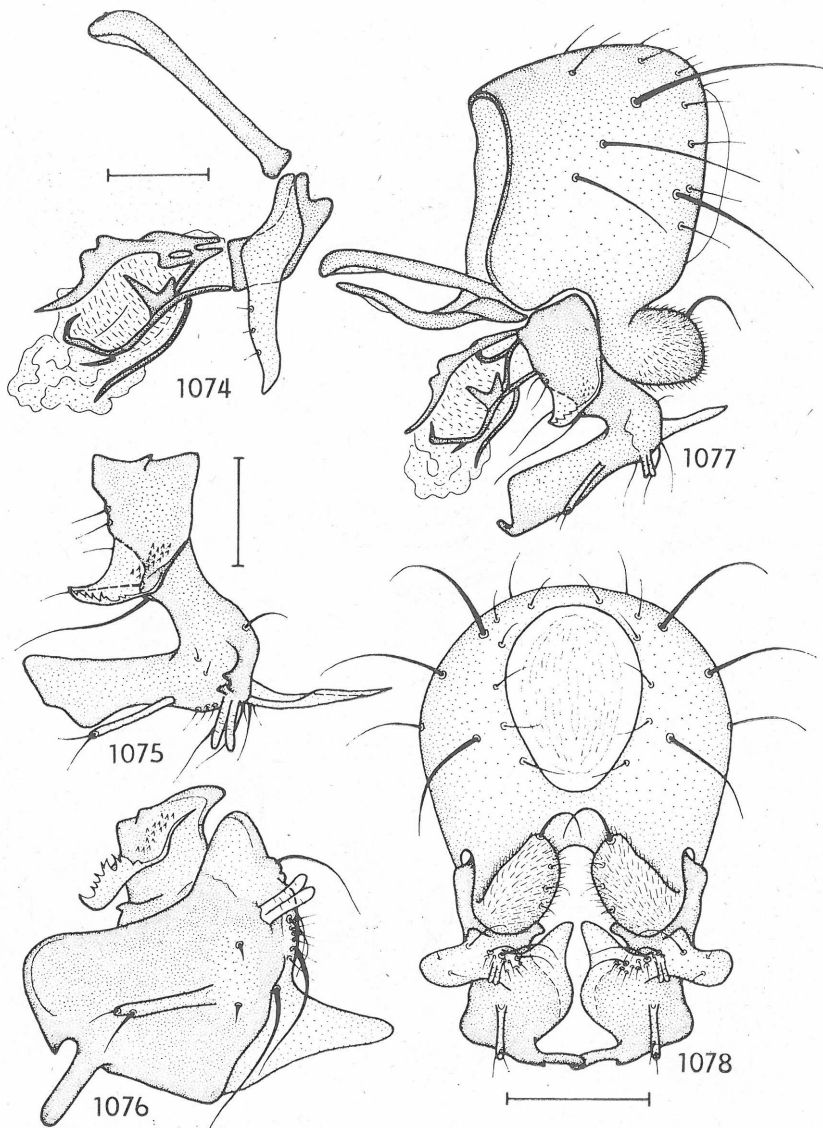
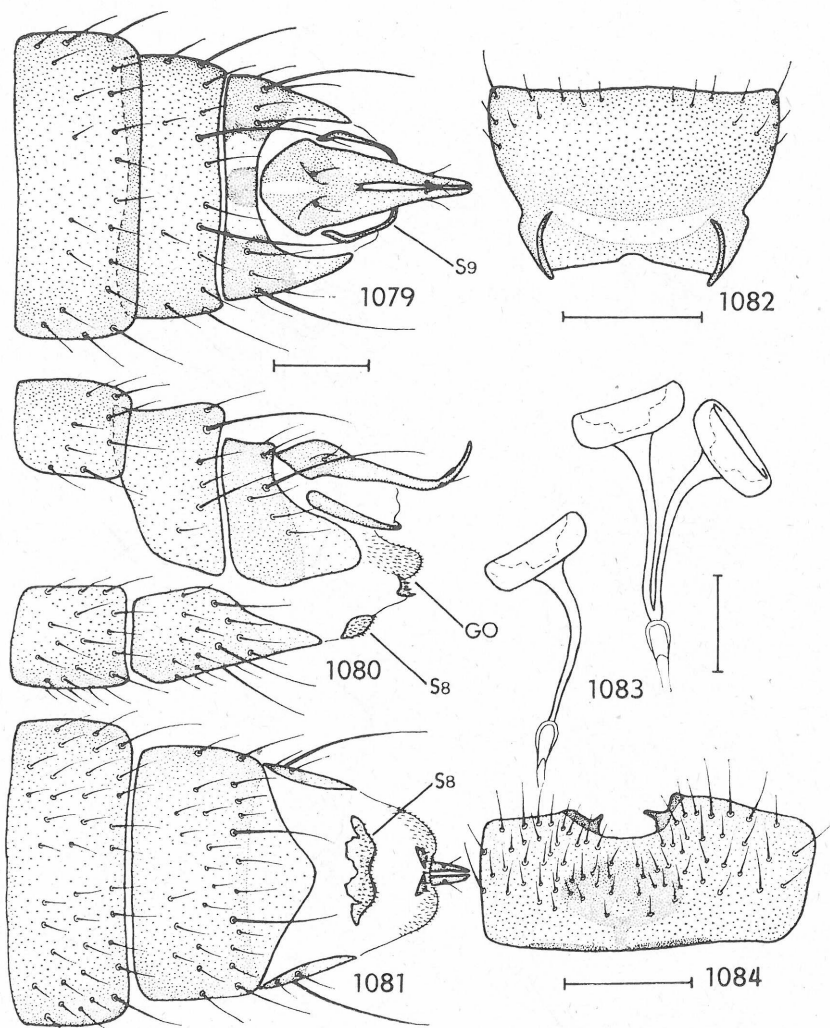


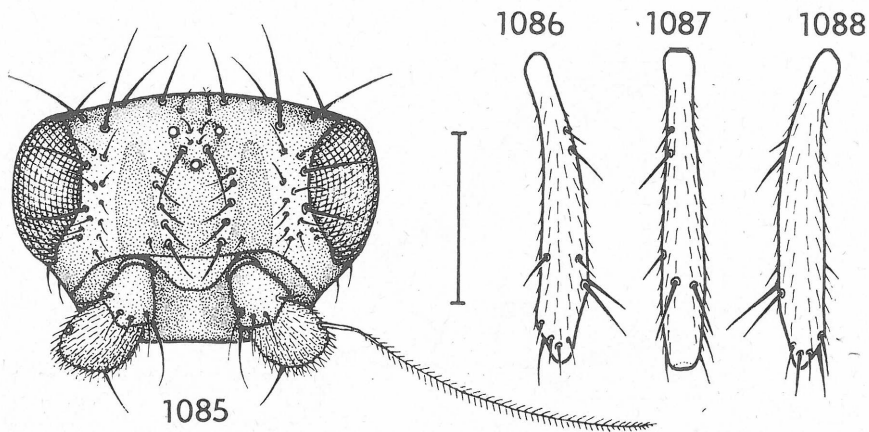
Fig. 1073. *Rudolfia rozkosnyi* (ROHÁČEK) (♀, paratype). wing. Scale = 0.5 mm.



Figs. 1074–1078. *Rudolfia rozkosnyi* (ROHÁČEK). 1074 – aedeagal complex laterally (only left postgonite figured); 1075 – telomere laterally; 1076 – dtto ventrally (♂, paratype); 1077 – male genitalia laterally; 1078 – dtto caudally (aedeagal complex omitted) (♂, Czechoslovakia). Scales: Figs. 1074–1076 = 0.05 mm, Figs. 1077–1078 = 0.1 mm.



Figs. 1079–1084. *Rudolfia rozkosnyi* (ROHÁČEK) (Czechoslovakia). 1079 – female postabdomen dorsally; 1080 – ditto laterally; 1081 – ditto ventrally; 1082 – female *T1+2* dorsally; 1083 – spermathecae; 1084 – male *S5*. Scales: Figs. 1079–1081, 1084 = 0.1 mm, Fig. 1082 = 0.2 mm, Fig. 1083 = 0.05 mm. Abbreviations: see p. 198 (Part I).



Figs. 1085–1088. *Halidayina spinipennis* (HALIDAY) (♀, Czechoslovakia). 1085 — head frontodorsally; 1086 — t_2 anteriorly; 1087 — ditto dorsally; 1088 — ditto posteriorly. Scale = 0.2 mm.

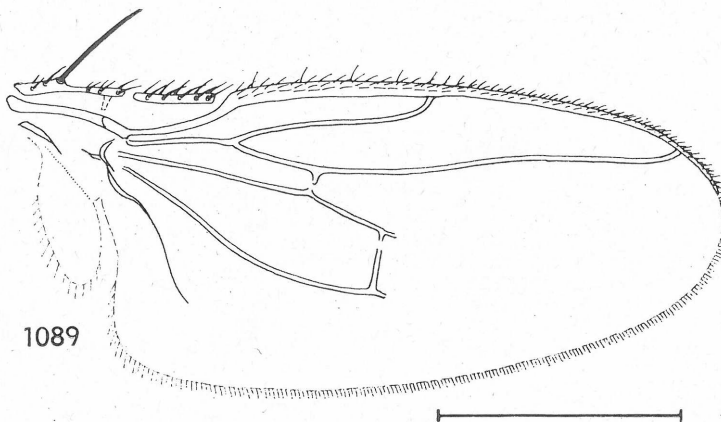
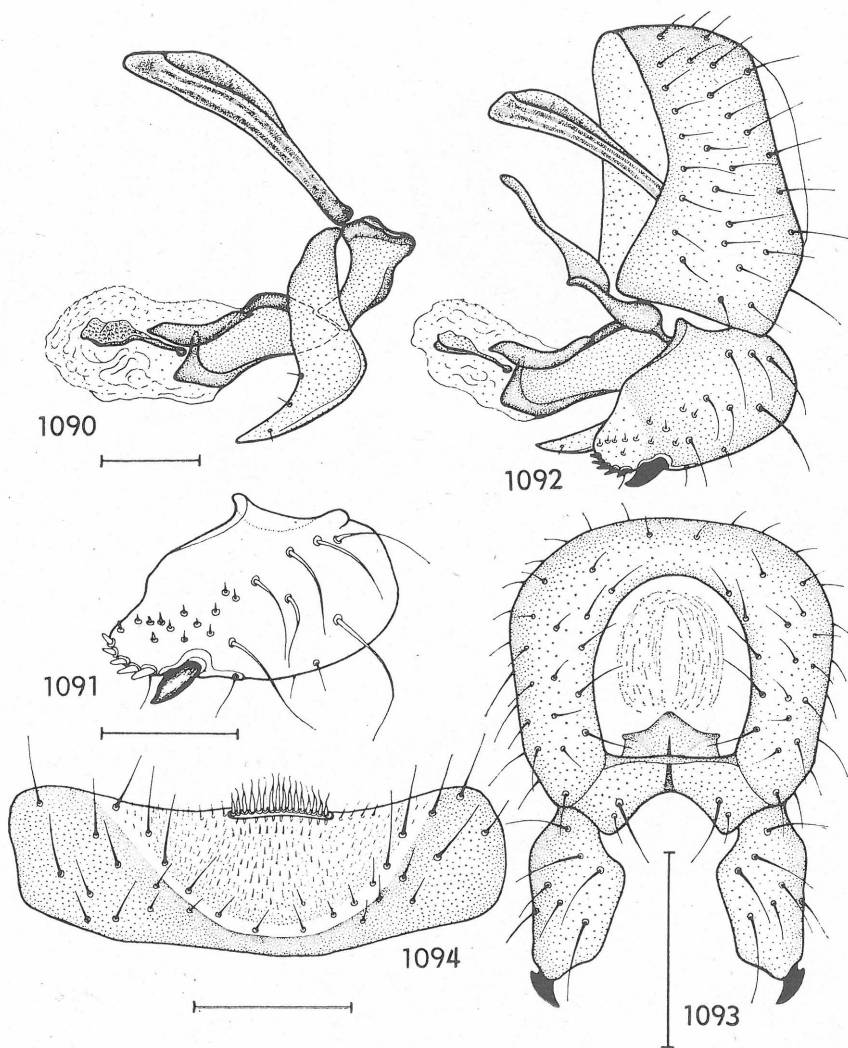
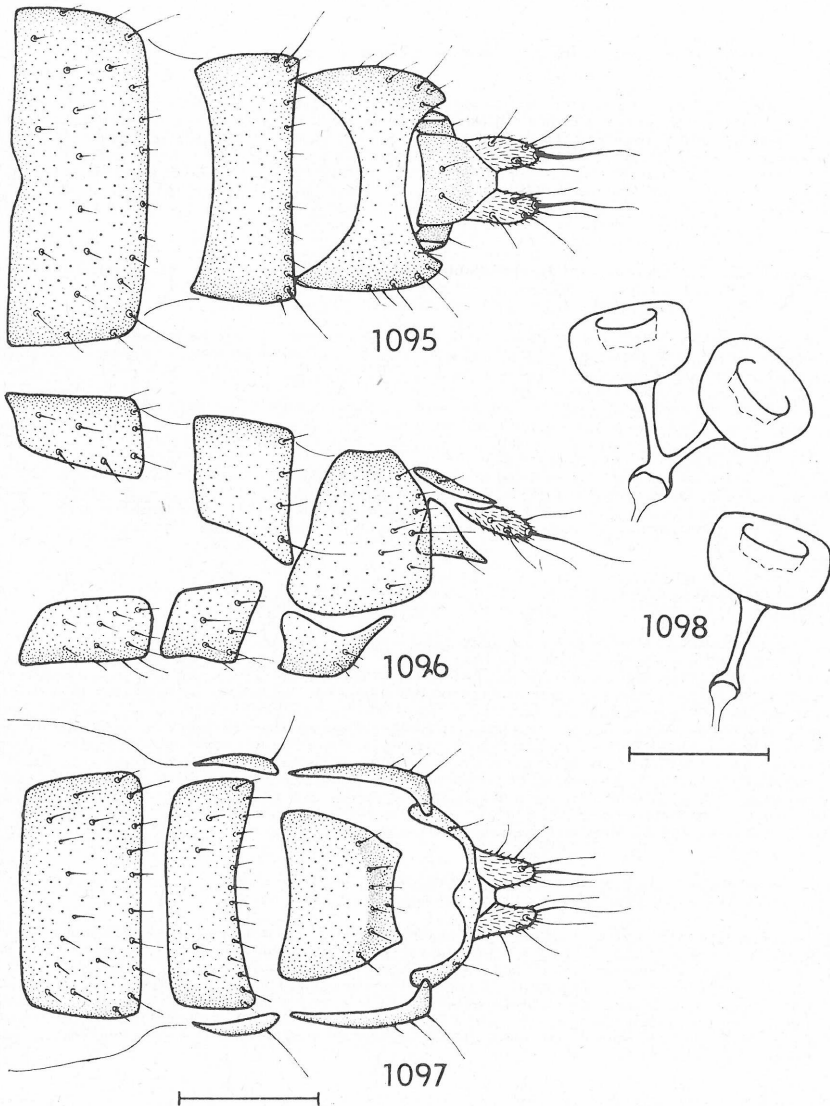


Fig. 1089. *Halidayina spinipennis* (HALIDAY) (♀, Czechoslovakia), wing. Scale = 0.5 mm.



Figs. 1090–1094. *Halidayina spinipennis* (HALIDAY) (♂, Czechoslovakia). 1090 – aedeagal complex laterally (only left postgonite figured); 1091 – telomere; 1092 – genitalia laterally; 1093 – dtto caudally (aedeagal complex omitted); 1094 – S5. Scales: Figs. 1090, 1091 = 0.05 mm, Figs. 1092–1094 = 0.1 mm.



Figs. 1095-1098. *Halidayina spinipennis* (HALIDAY) (♀, Czechoslovakia). 1095 - postabdomen dorsally; 1096 - ditto laterally; 1097 - ditto ventrally; 1098 - spermathecae. Scales: Figs. 1095-1097 = 0.1 mm, Fig. 1098 = 0.05 mm.

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