

Beitr. Ent., Berlin 33 (1983) 2, S. 203–255

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 III*

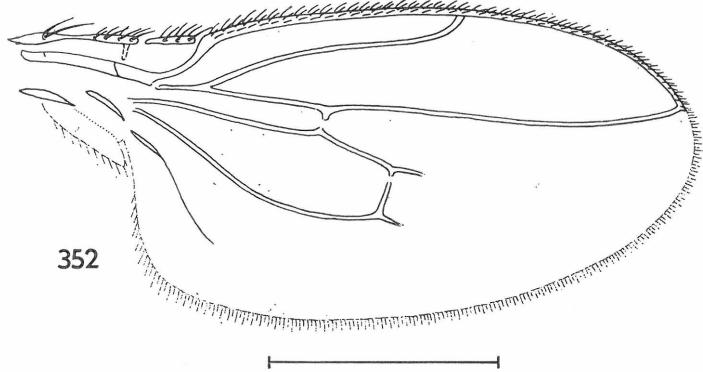


Fig. 352. *Paralimosina (P.) subcribrata* (ROHÁČEK) (♂, paratype), wing. Scale = 0.5 mm.

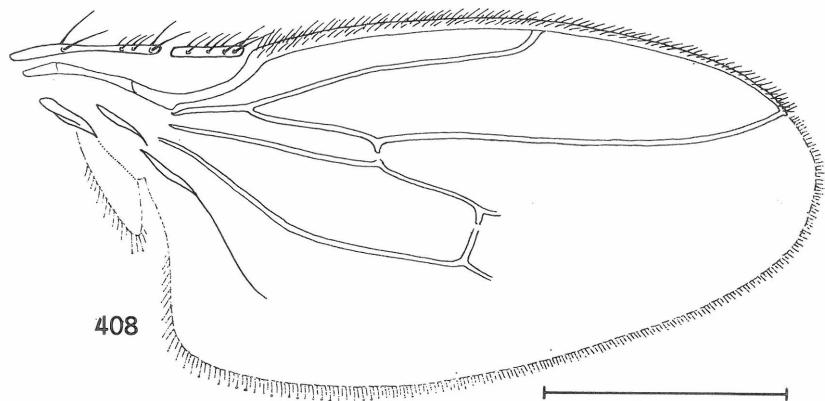
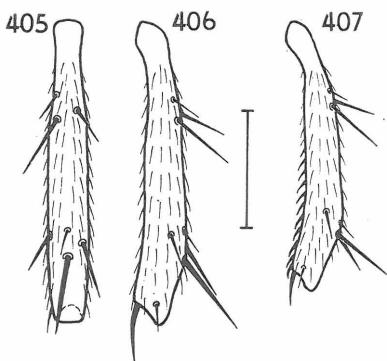
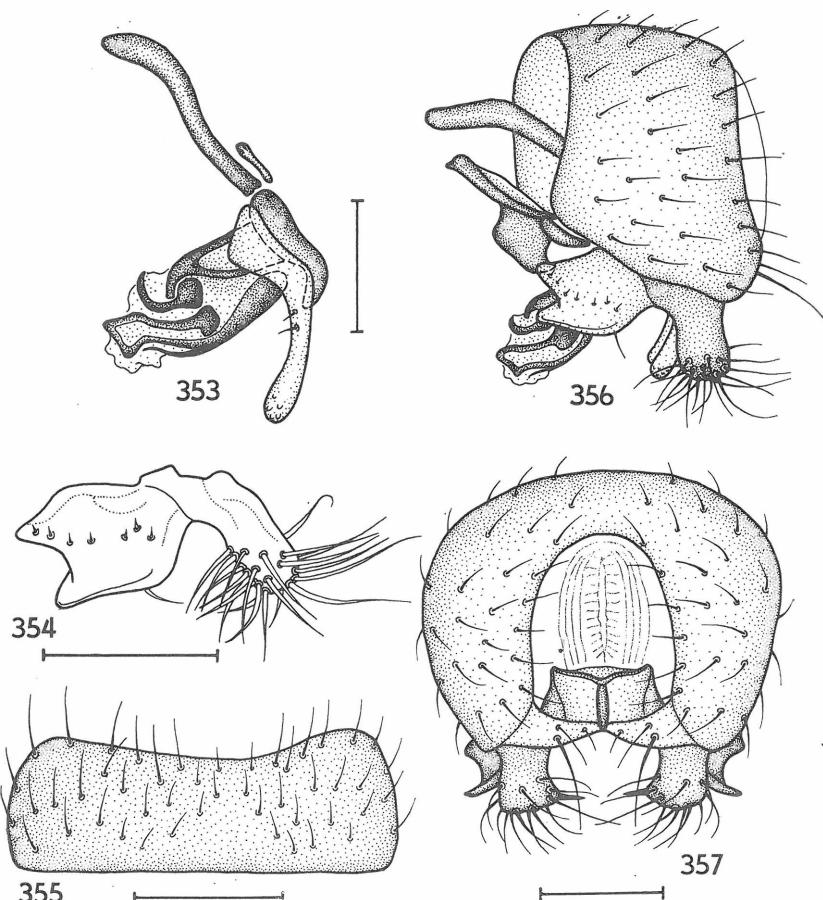


Fig. 408. *Paralimosina (C.) beckeri* (DUDA) (♀, Canary Is.), wing. Scale = 0.5 mm.

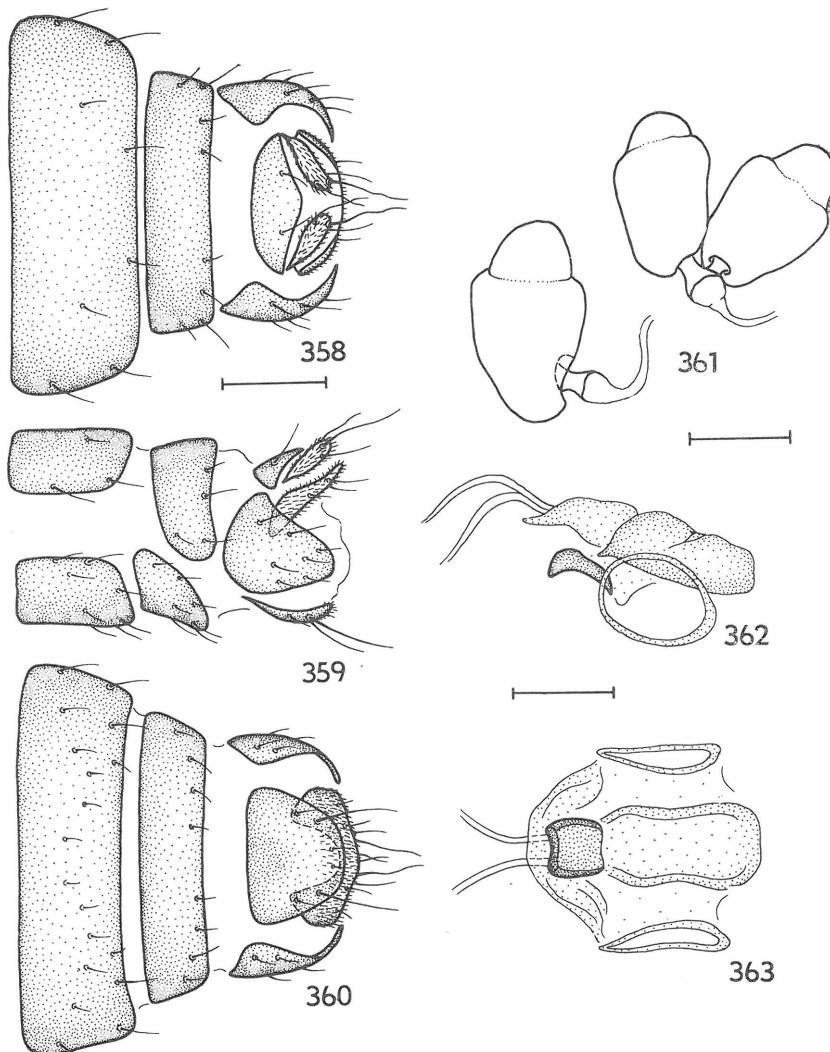
* Part I in: Beitr. Ent. 32, p. 195–282; 1982.
Part II in: Beitr. Ent. 33, p. 3–195; 1983.



Figs. 405—407. *Paralimosina (C.) beckeri* (DUDA) (Canary Is.). 405 — female t_2 dorsally; 406 — dtto anteriorly; 407 — male t_2 anteriorly. Scale = 0.2 mm.



Figs. 353—357. *Paralimosina (P.) subcribrata* (ROHÁČEK). 353 — aedeagal complex laterally (only left postgonite figured); 354 — telomere (both based on ♂ paratype); 355 — male S5; 356 — male genitalia laterally; 357 — dtto caudally (aedeagal complex omitted) (all based on ♂ holotype). Scales: Fig. 355 = 0.2 mm, others = 0.1 mm.



Figs. 358—363. *Paralimosina (P.) subcribrata* (ROHÁČEK) (♀, Czechoslovakia). 358 — postabdomen dorsally; 359 — dtto laterally; 360 — dtto ventrally; 361 — spermathecae; 362 — spectacles-shaped sclerite laterally; 363 — dtto ventrally. Scales: Figs. 358—360 = 0.1 mm, Figs. 361—363 = 0.05 mm.

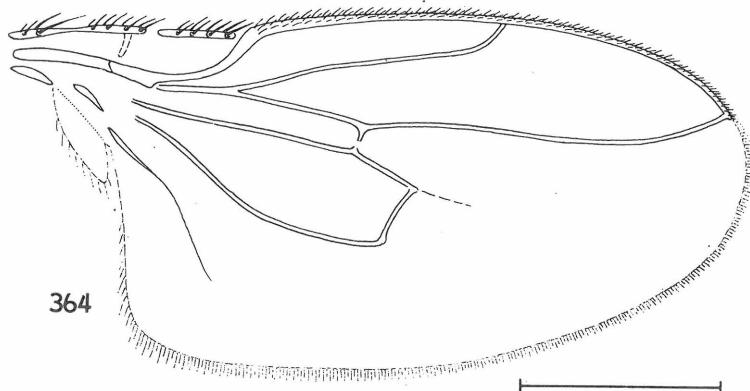
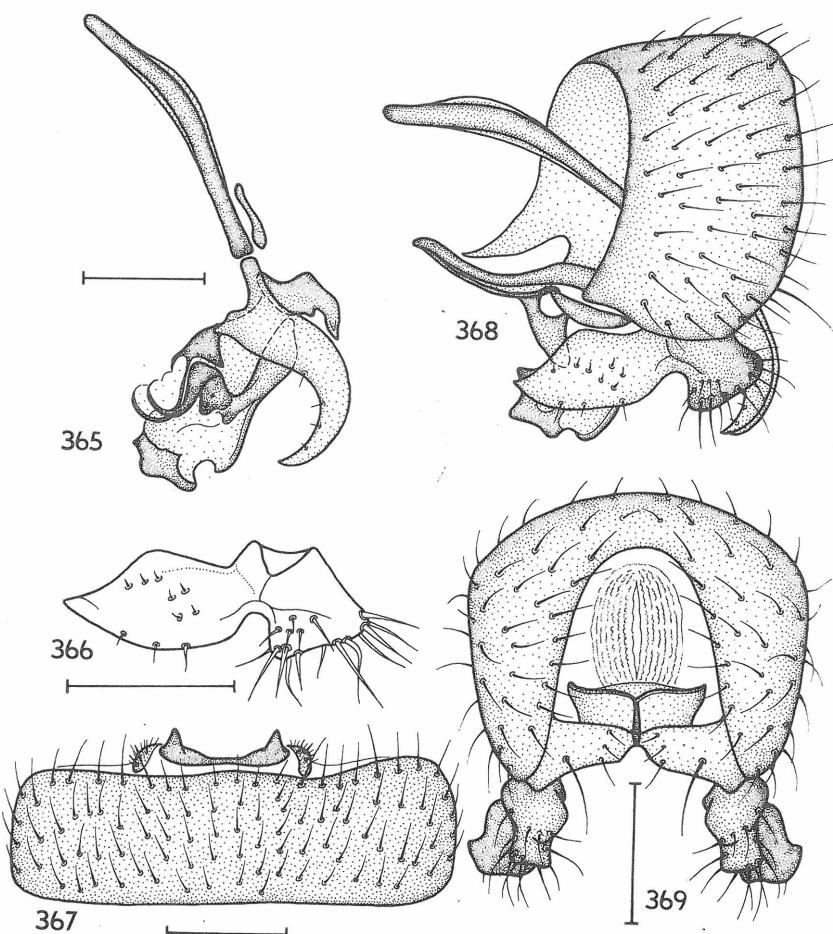
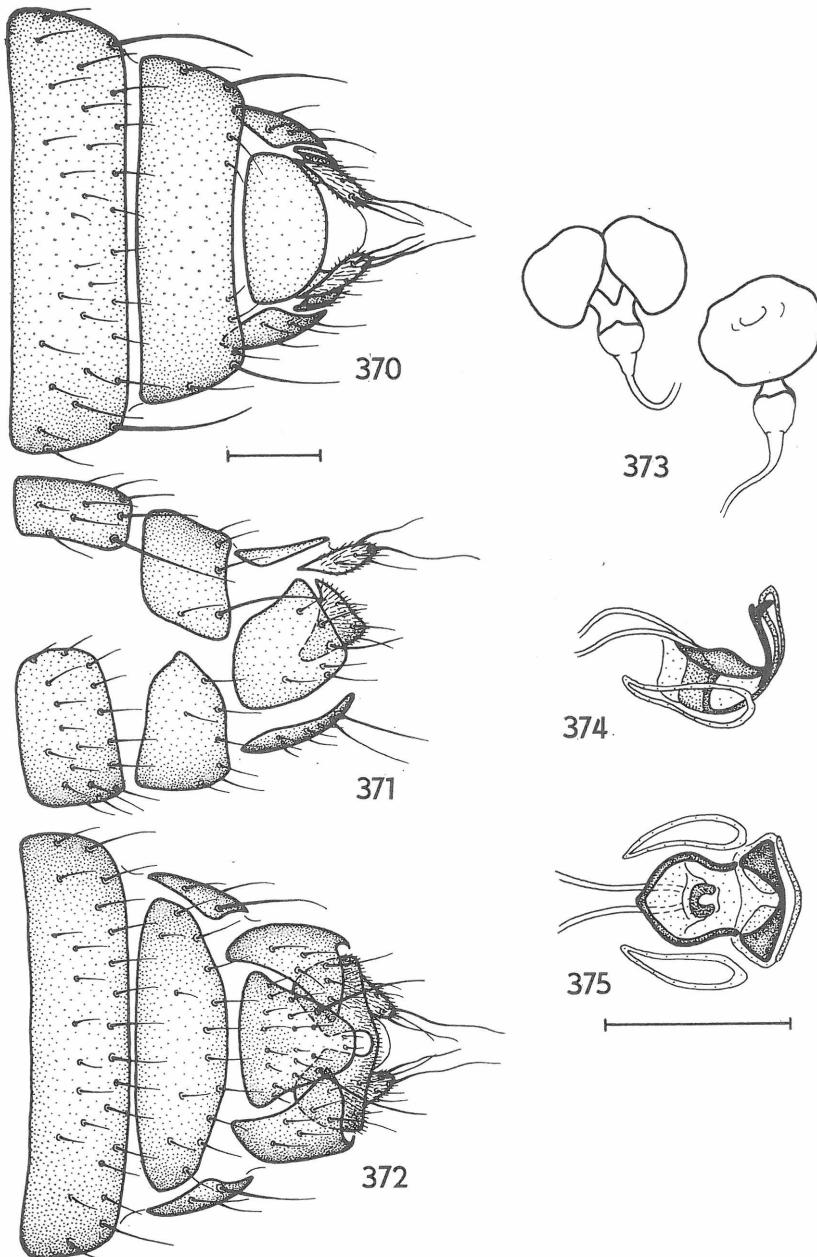


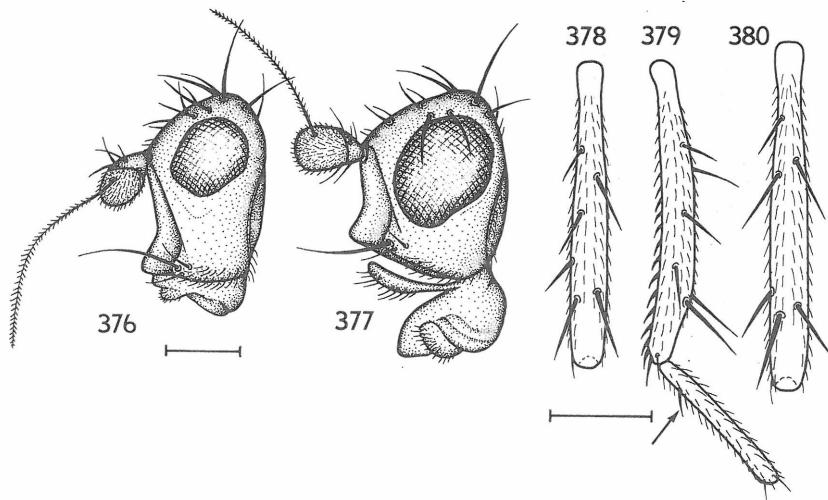
Fig. 364. *Paralimosina (P.) macedonica* (ROHÁČEK) (♂, paratype), wing. Scale = 0.5 mm.



Figs. 365—369. *Paralimosina (P.) macedonica* (ROHÁČEK). 365 — aedeagal complex laterally (only left postgonite figured); 366 — telomere (both based on ♂ holotype); 367 — male S₅; 368 — male genitalia laterally; 369 — ditto caudally (aedeagal complex omitted) (all based on ♂ paratype). Scales: Fig. 367 = 0.2 mm, others = 0.1 mm.



Figs. 370—375. *Paralimosina (P.) macedonica* (ROHÁČEK) (♀, paratype). 370 — postabdomen dorsally; 371 — dtto laterally; 372 — dtto ventrally; 373 — spermathecae; 374 — spectacles-shaped sclerite laterally; 375 — dtto ventrally. Scales = 0.1 mm.



Figs. 376—380. *Paralimosina* species. Fig. 376. *P. (P.) kaszabi* PAPP, head laterally. Figs. 377—379. *P. (P.) trichopyga* (RICHARDS). 377 — head laterally; 378 — male t_2 dorsally; 379 — male t_2 and mt_2 anteriorly; Fig. 380. *P. (P.) kaszabi* PAPP, male t_2 dorsally. Figs. 376, 380 based on holotype of *L. latigena*, Figs. 377—379 on males from Czechoslovakia. Scales = 0.2 mm.

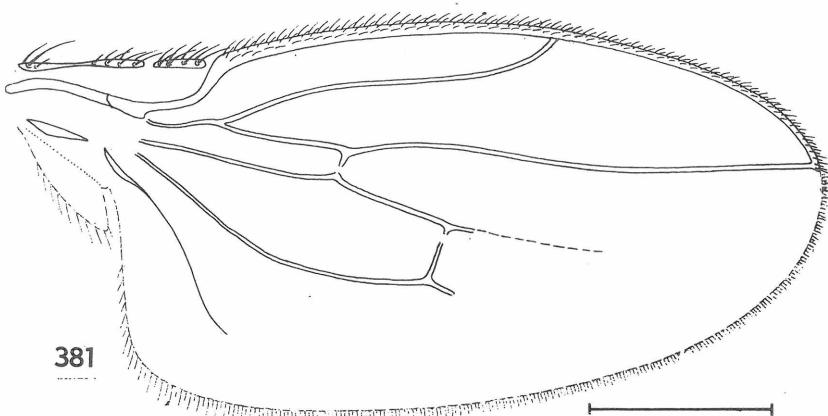
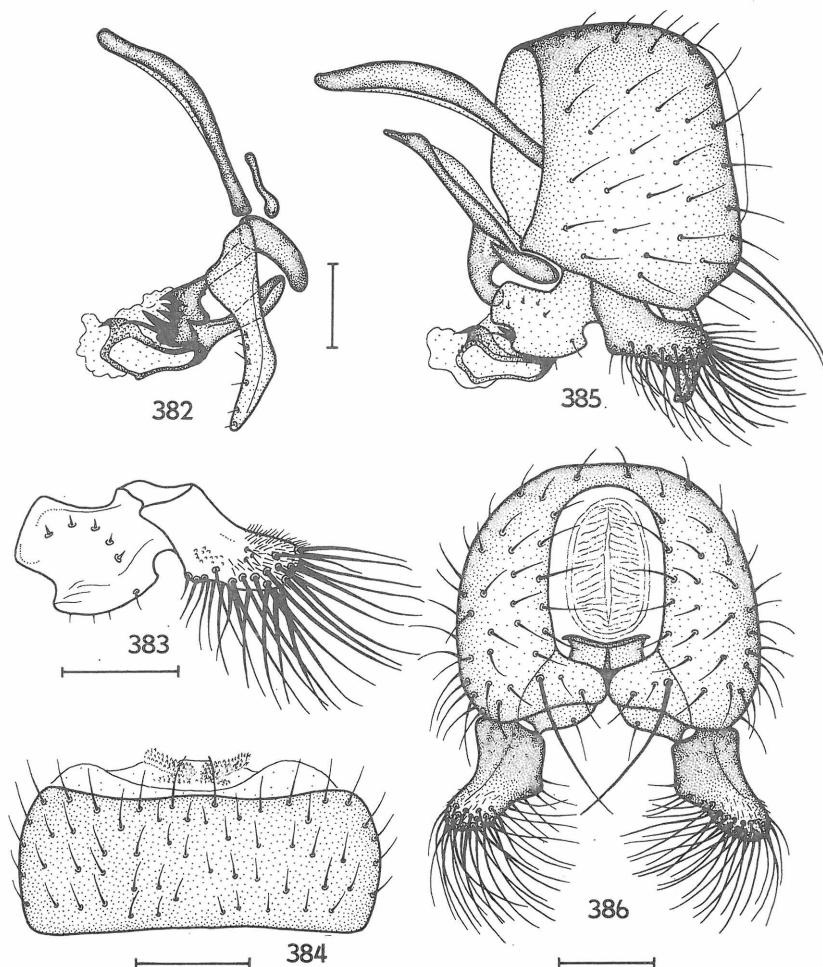
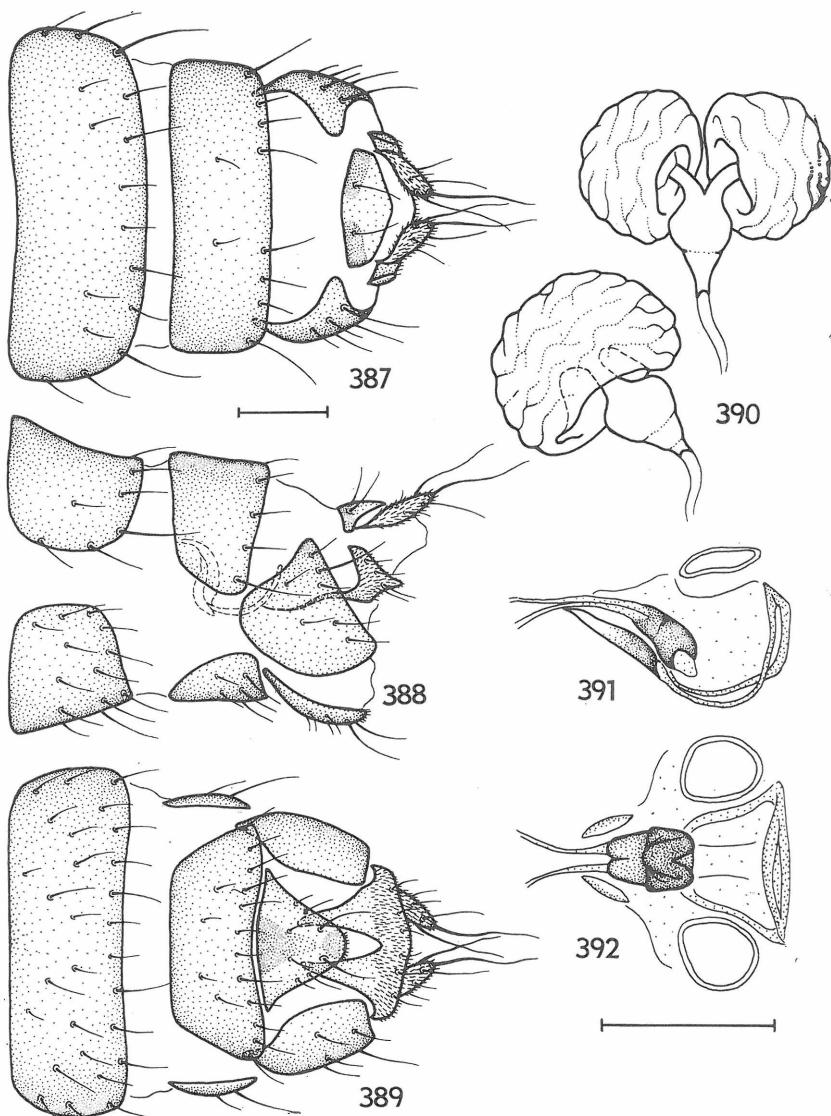


Fig. 381. *Paralimosina (P.) trichopyga* (RICHARDS) (♂, Czechoslovakia), wing. Scale = 0.5 mm.



Figs. 382–386. *Paralimosina (P.) trichopyga* (RICHARDS). 382 — aedeagal complex laterally (only left postgonite figured); 383 — telomere (both based on ♂ holotype); 384 — male S5; 385 — male genitalia; 386 — dito caudally (aedeagal complex omitted) (all based on males from Czechoslovakia). Scales: Fig. 384 = 0.2 mm, others = 0.1 mm.



Figs. 387—392. *Paralimosina (P.) trichopyga* (RICHARDS) (♀, Czechoslovakia). 387 — postabdomen dorsally; 388 — dtto laterally; 389 — dtto ventrally; 390 — spermathecae; 391 — spectacles-shaped sclerite laterally; 392 — dtto ventrally. Scales = 0.1 mm.

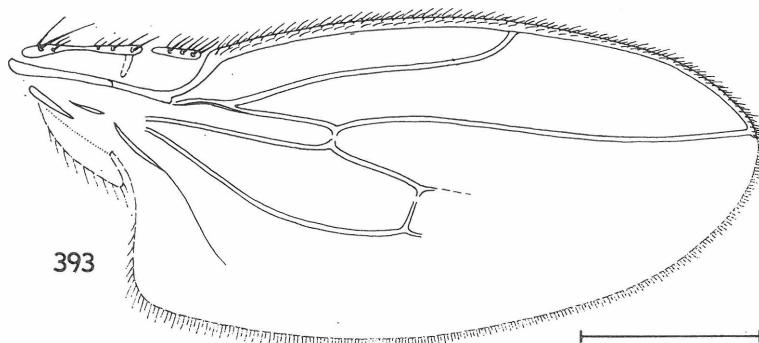
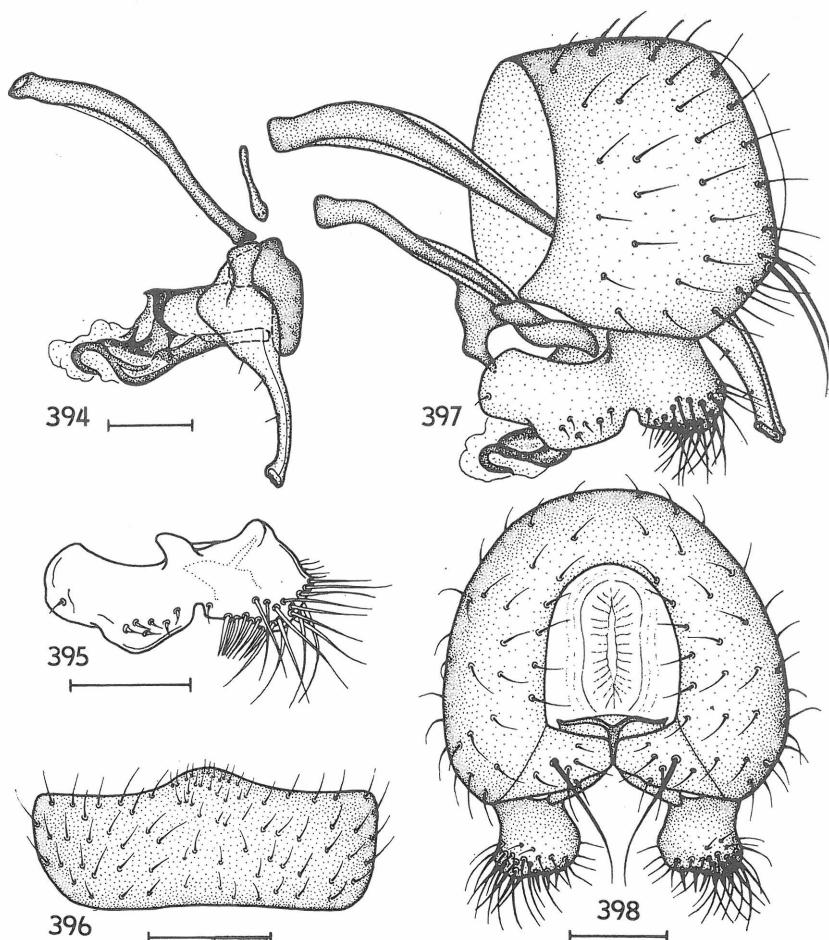
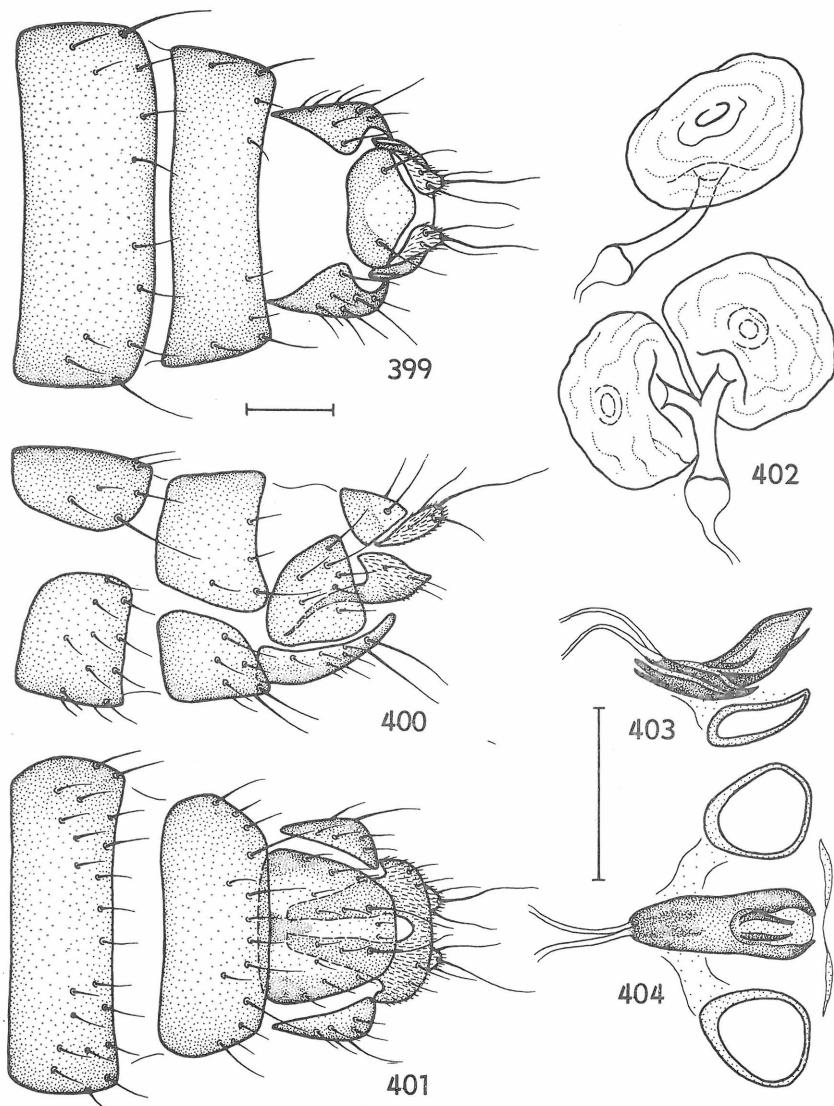


Fig. 393. *Paralimosina (P.) kaszabi* PAPP (♀ paratype of *L. latigena*), wing. Scale = 0.5 mm.



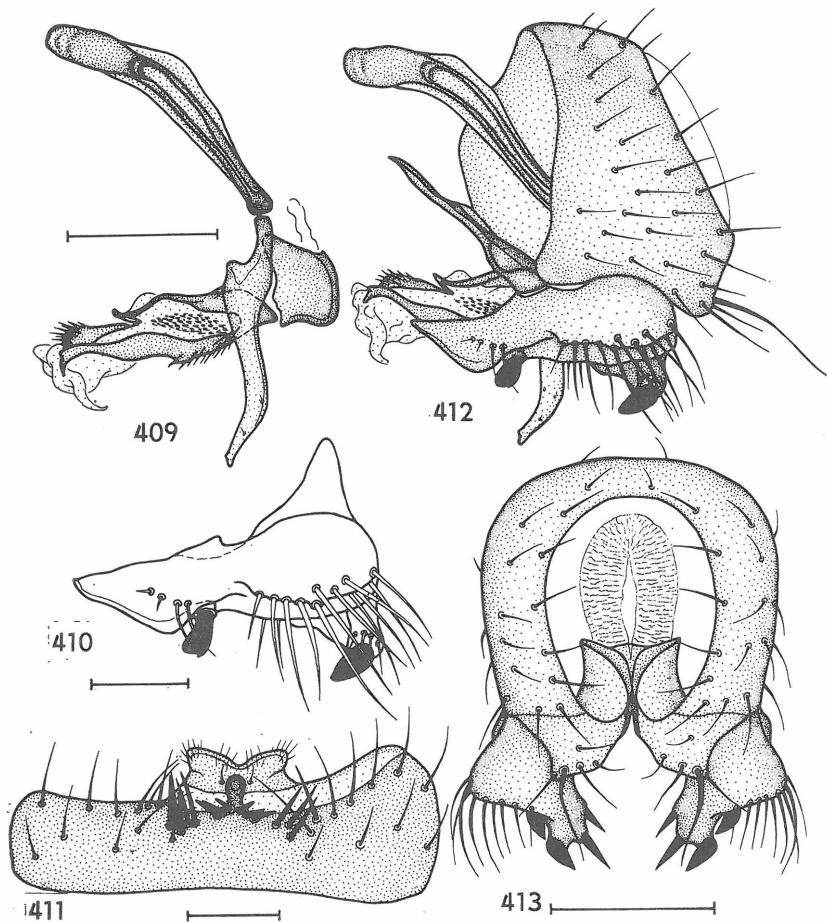
Figs. 394–398. *Paralimosina (P.) kaszabi* PAPP. 394 — aedeagal complex laterally (only left postgonite figured); 395 — telomere (both based on holotype of *L. latigena*); 396 — male S5; 397 — male genitalia laterally; 398 — ditto caudally (aedeagal complex omitted) (based on males from Czechoslovakia). Scales: Fig. 396 = 0.2 mm, others = 0.1 mm.



Figs. 399—404. *Paralimosina (P.) kaszabi* PAPP (♀ paratype of *L. latigena*). 399 — postabdomen dorsally; 400 — dtto laterally; 401 — dtto ventrally; 402 — spermathecae; 403 — spectacles-shaped sclerite laterally; 404 — dtto ventrally. Scales = 0.1 mm.

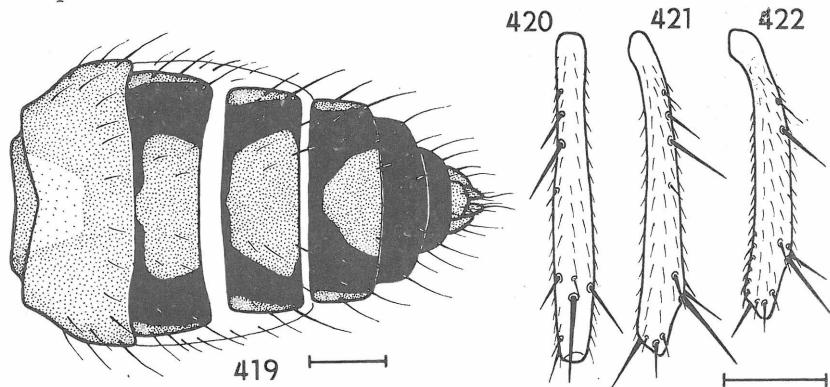
Fig. 405—407: p. 204.

Fig. 408: p. 203.

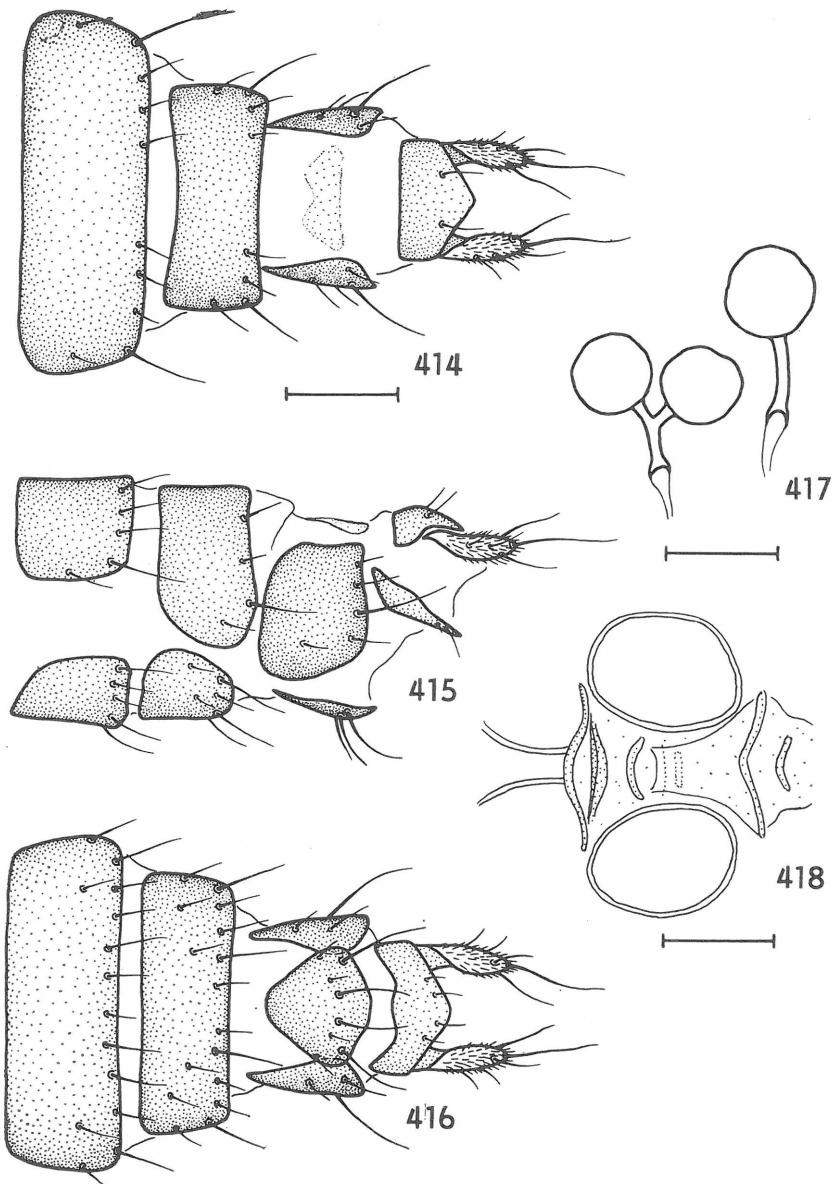


Figs. 409–413. *Paralimosina (C.) beckeri* (DUDA) (♂, Canary Is.). 409 — aedeagal complex laterally (only left postgonite figured); 410 — telomere; 411 — S5; 412 — genitalia laterally; 413 — dtto caudally (aedeagal complex omitted). Scales: Fig. 410 = 0.05 mm, others = 0.1 mm.

Fig. 414—418: p. 214.



Figs. 419—422. *Spelobia (E.) ochripes* (MEIGEN) (Czechoslovakia). 419 — female abdomen dorsally (pruinose areas dotted); 420 — female t₂ dorsally; 421 — dtto anteriorly; 422 — male t₂ anteriorly. Scales = 0.2 mm.



Figs. 414–418. *Paralimosina (C.) beckeri* (DUDA) (♀, Canary Is.). 414 — postabdomen dorsally; 415 — dtto laterally; 416 — dtto ventrally; 417 — spermathecae; 418 — spectacles-shaped sclerite ventrally. Scales: Figs. 414–416 = 0.1 mm, Figs. 417, 418 = 0.05 mm.

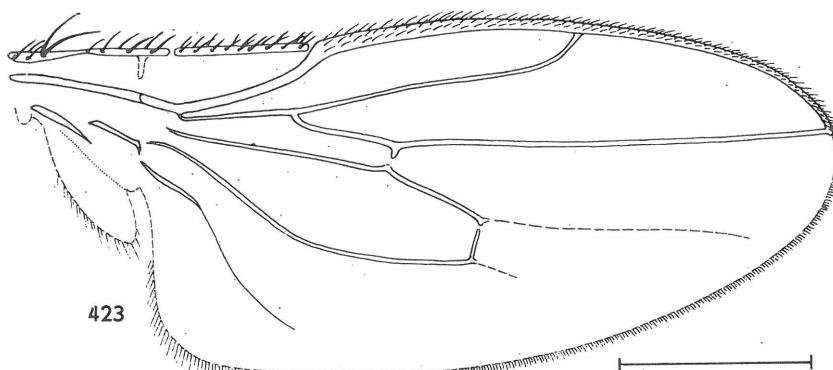
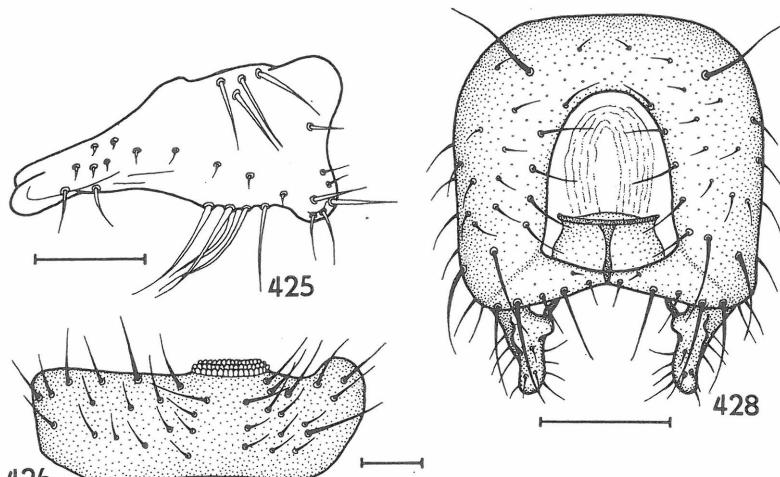
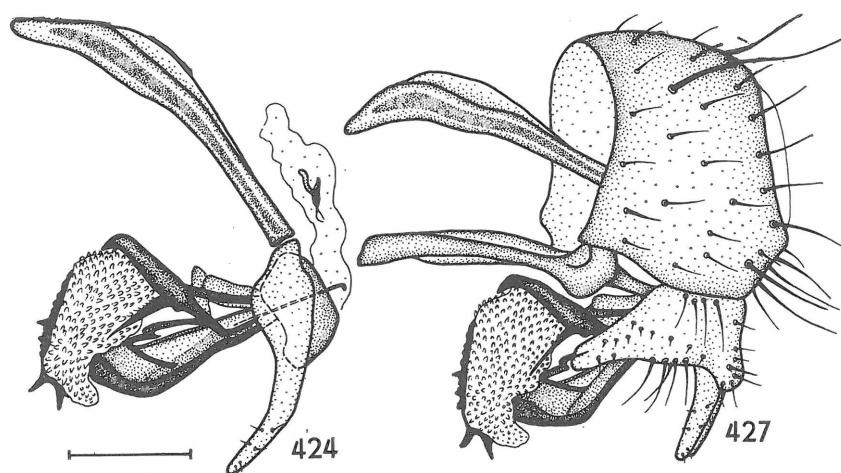
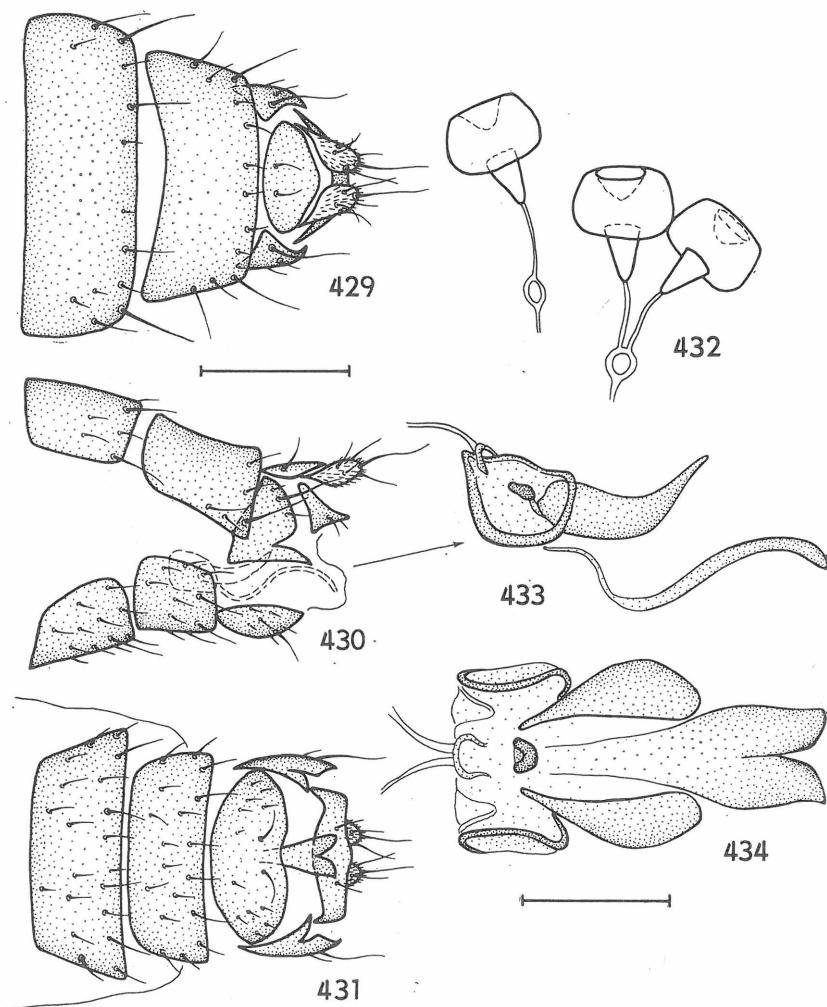


Fig. 423. *Spelobia (E.) ochripes* (MEIGEN) (♀, Czechoslovakia), wing. Scale = 0.5 mm.



Figs. 424–428. *Spelobia (E.) ochripes* (MEIGEN) (♂, Czechoslovakia). 424 — aedeagal complex laterally (only left postgonite figured); 425 — telomere; 426 — S₅; 427 — genitalia laterally; 428 — dtto caudally (aedeagal complex omitted). Scales: Fig. 425 = 0.05 mm, others = 0.1 mm.



Figs. 429—434. *Spelobia (E.) ochripes* (MEIGEN) (♀, Czechoslovakia). 429 — postabdomen dorsally; 430 — dtto laterally; 431 — dtto ventrally; 432 — spermathecae; 433 — spectacles-shaped sclerite laterally; 434 — dtto ventrally. Scales: Figs. 429—431 = 0.2 mm, Figs. 432—434 = 0.1 mm.

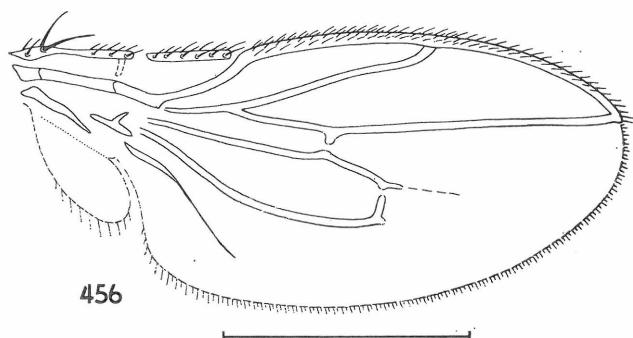


Fig. 456. *Spelobia (S.) manicata* (RICHARDS) (♂, Czechoslovakia), wing. Scale = 0.5 mm.

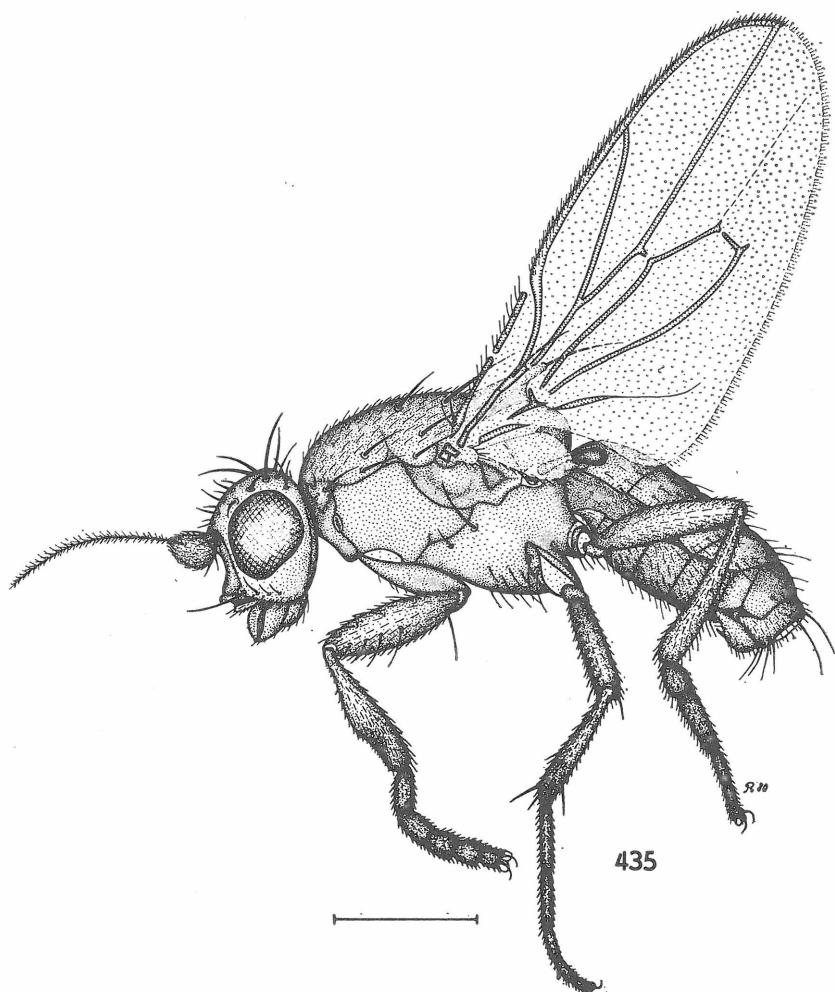


Fig. 435. *Spelobia (S.) clunipes* (MEIGEN), male (Czechoslovakia). Scale = 0.5 mm.

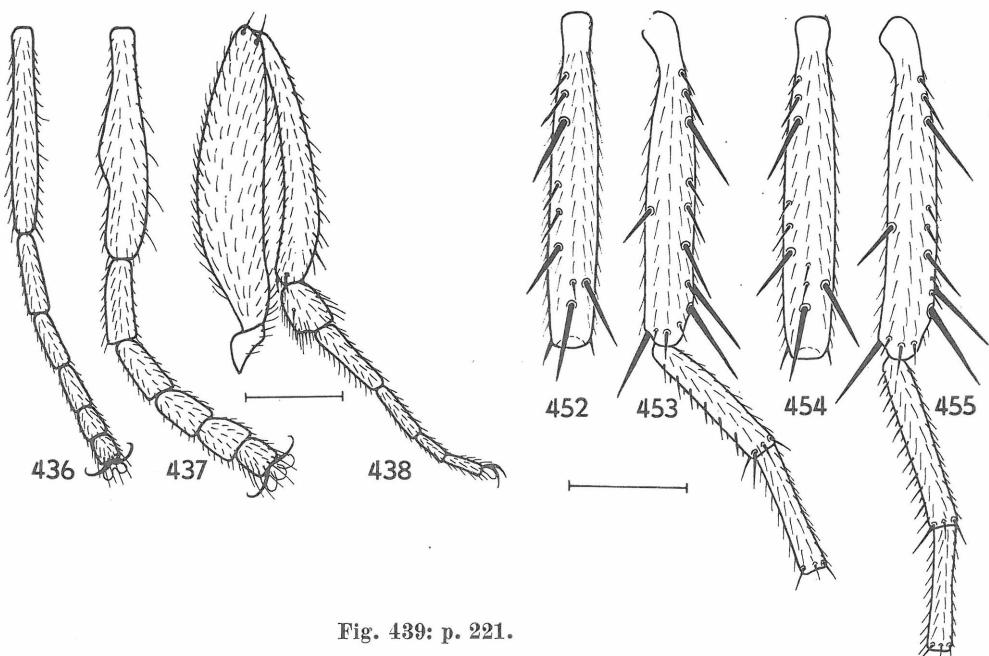
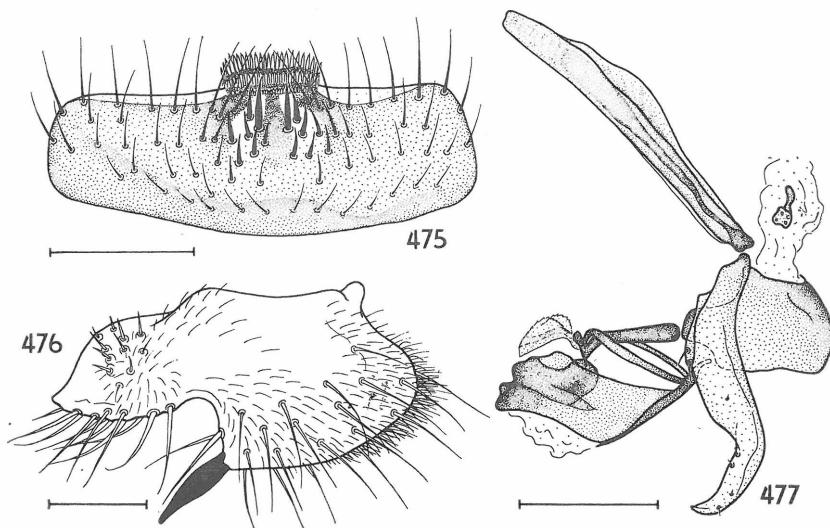


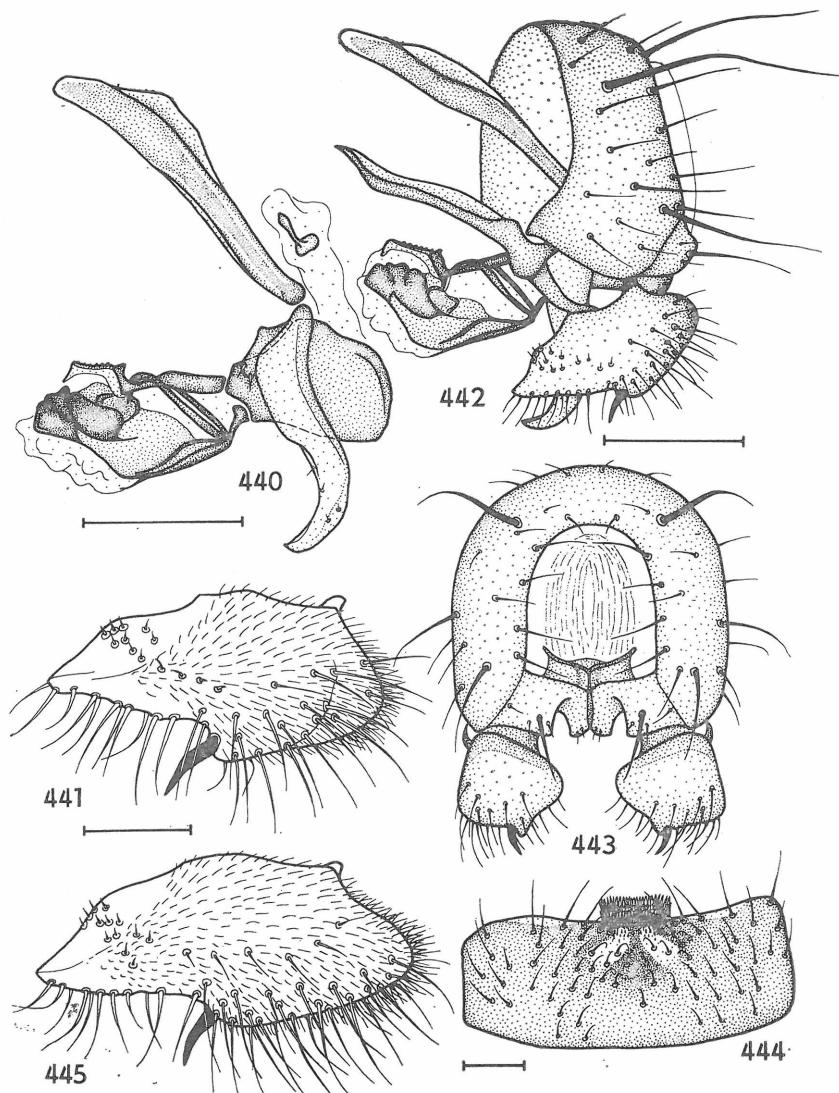
Fig. 439: p. 221.

Figs. 436—438. Fig. 436. *Spelobia (S.) faeroensis* (DEEMING), male t_1 and fore tarsus dorsally; Fig. 437. *Spelobia (S.) clunipes* (MEIGEN), dtto; Fig. 438. *Spelobia (S.) faeroensis* (DEEMING), male hind leg (without coxa) anteriorly. All figures based on specimens from Czechoslovakia. Scale = 0.2 mm.

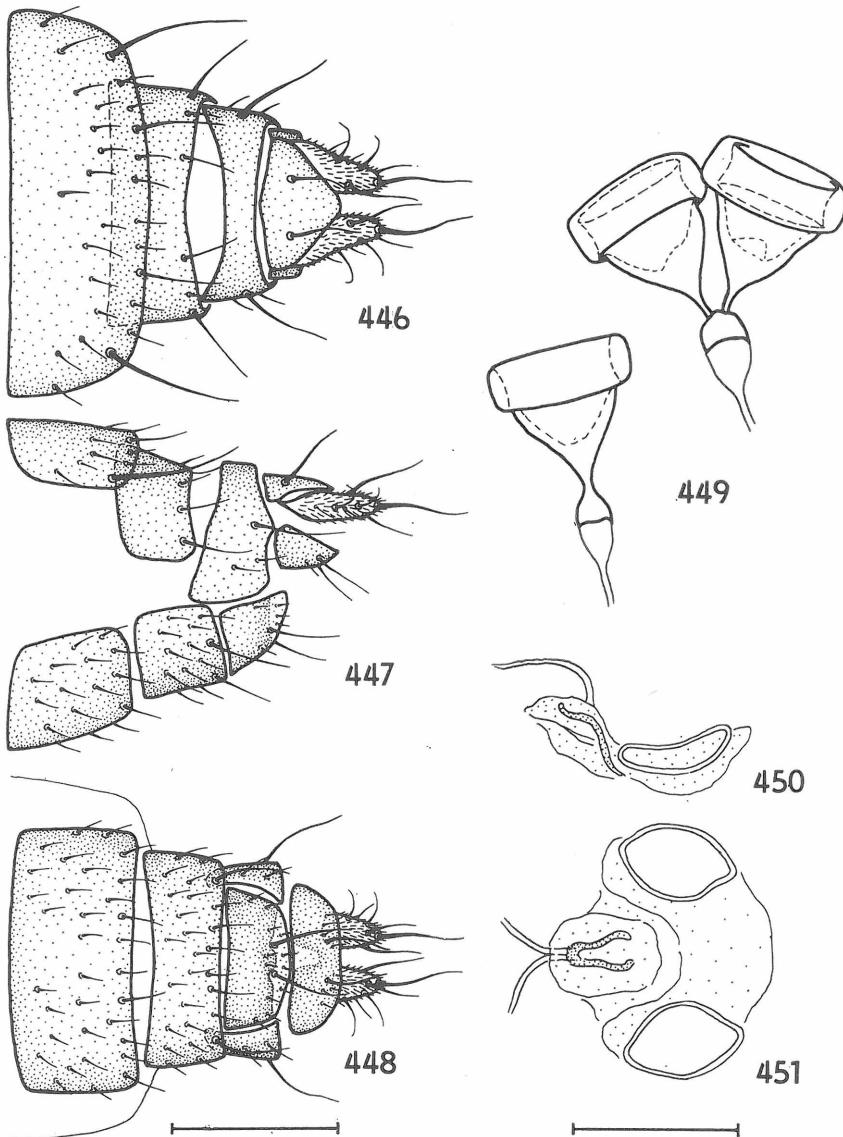
Figs. 452—455. Figs. 452, 453. *Spelobia (S.) clunipes* (MEIGEN) (♂, Czechoslovakia). 452 — t_2 dorsally; 453 — t_2 , mt_2 and 2nd tarsal segment anteriorly. Figs. 454, 455. *Spelobia (S.) manicata* (RICHARDS) (♂, Czechoslovakia). 454 — t_2 dorsally; 455 — t_2 , mt_2 and 2nd tarsal segment anteriorly. Scale = 0.2 mm.



Figs. 475—477. *Spelobia (S.) palmata* (RICHARDS) (♂, Czechoslovakia). 475 — S5; 476 — telomere; 477 — aedeagal complex laterally (only left postgonite figured). Scales: Fig. 475 = 0.2 mm; 476 = 0.05 mm; 477 = 0.1 mm.



Figs. 440—445. Figs. 440—444. *Spelobia (S.) clunipes* (MEIGEN) (♂, Czechoslovakia). 440 — aedeagal complex laterally (only left postgonite figured); 441 — telomere; 442 — genitalia laterally; 443 — dito caudally (aedeagal complex omitted); 444 — *S.5*, Fig. 445. *Spelobia (S.) manicata* (RICHARDS) (♂, Czechoslovakia), telomere. Scales: Figs. 440, 442—444 = 0.1 mm, Figs. 441, 445 = 0.05 mm.



Figs. 446—451. *Spelobia (S.) clunipes* (MEIGEN) (♀, Czechoslovakia). 446 — postabdomen dorsally; 447 — dtto laterally; 448 — dtto ventrally; 449 — spermathecae; 450 — spectacles-shaped sclerite laterally; 451 — dtto ventrally. Scales: Figs. 446—448 = 0.2 mm, Figs. 449—451 = 0.1 mm.

Fig. 452—455: p. 218.

Fig. 456: p. 217.

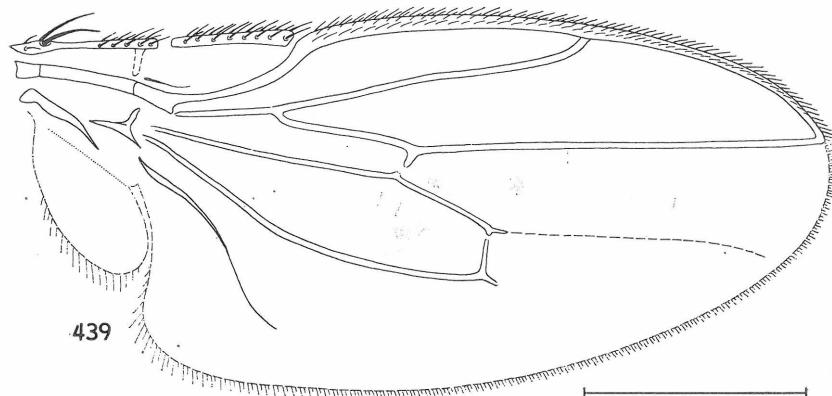


Fig. 439. *Spelobia (S.) clunipes* (MEIGEN) (♂, Czechoslovakia), wing. Scale = 0.5 mm.

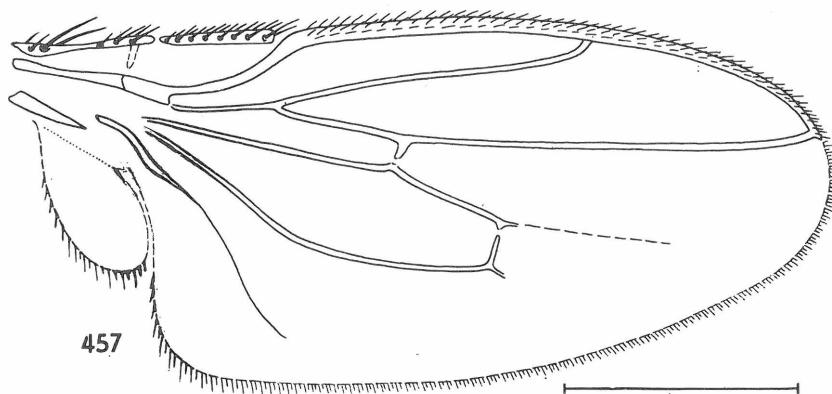


Fig. 457. *Spelobia (S.) faeroensis* (DEEMING) (♂, Czechoslovakia), wing. Scale = 0.5 mm.

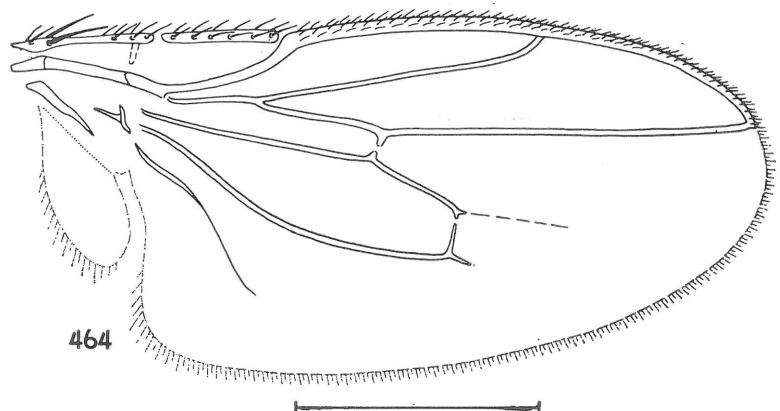
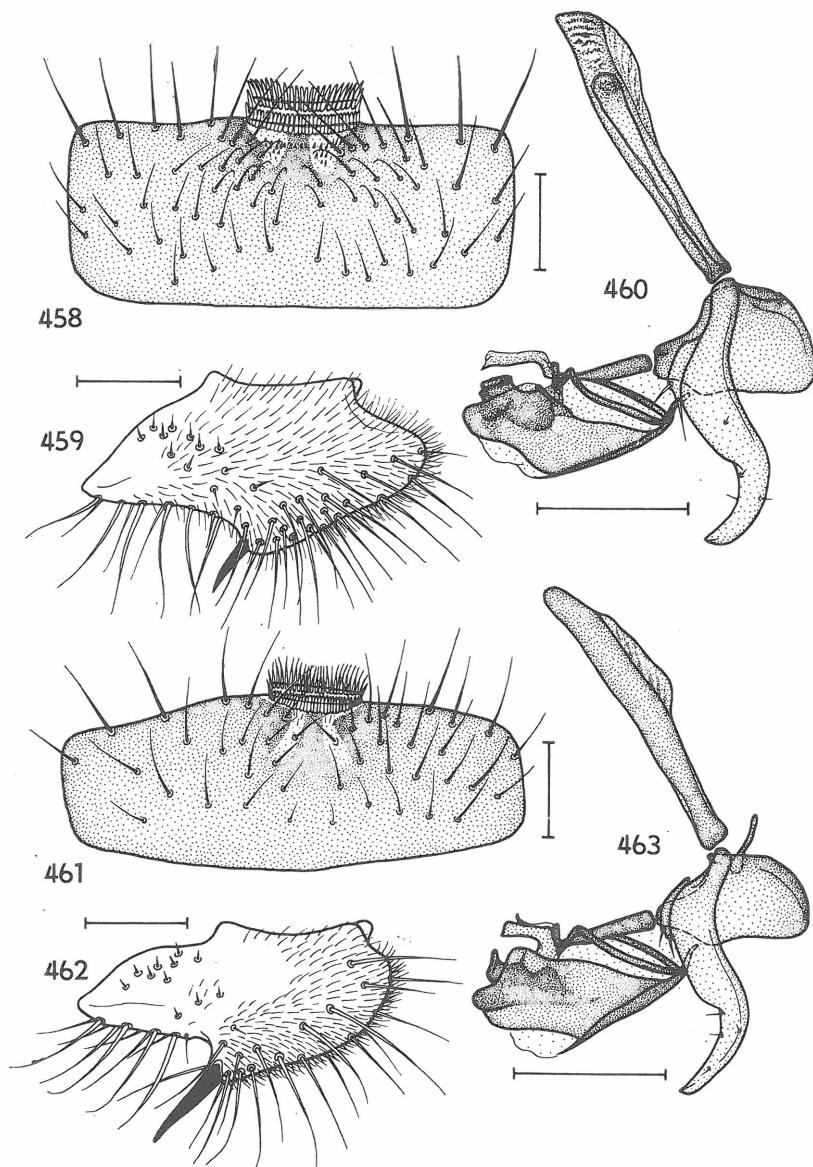
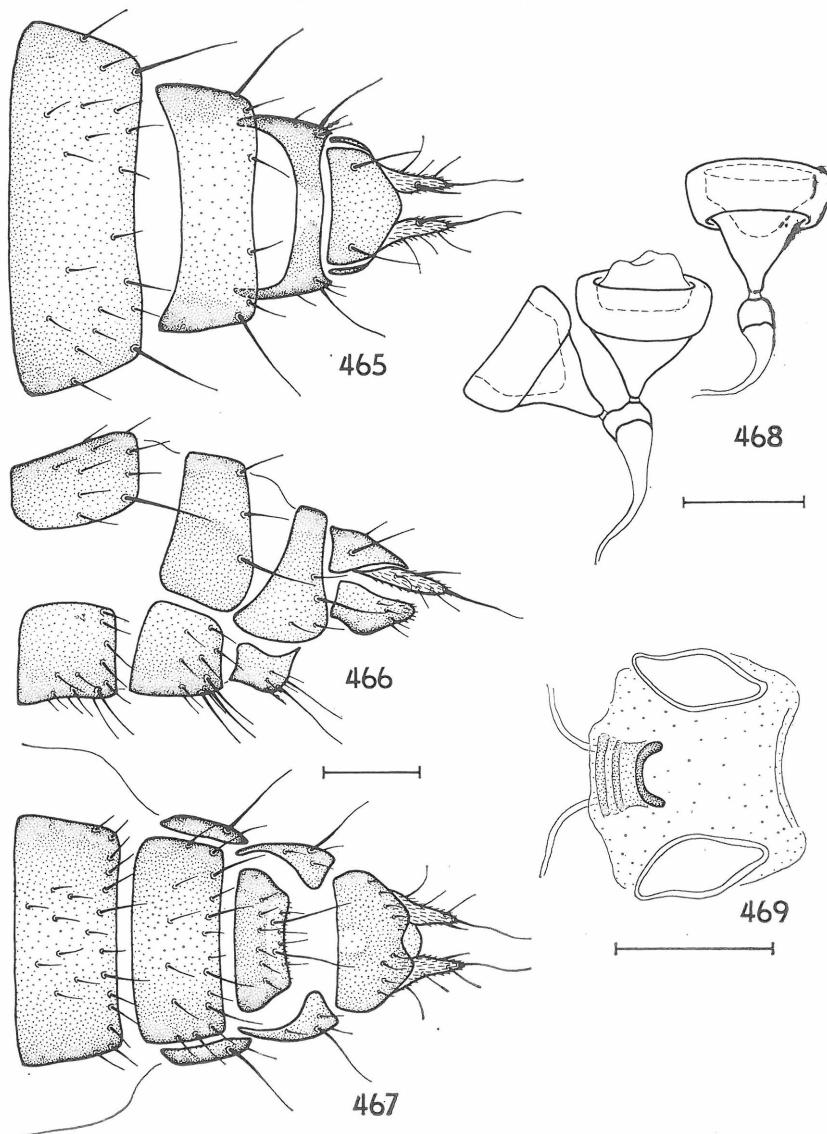


Fig. 464. *Spelobia (S.) baezi* (PAPP) (♂, Canary Is.), wing. Scale = 0.5 mm.

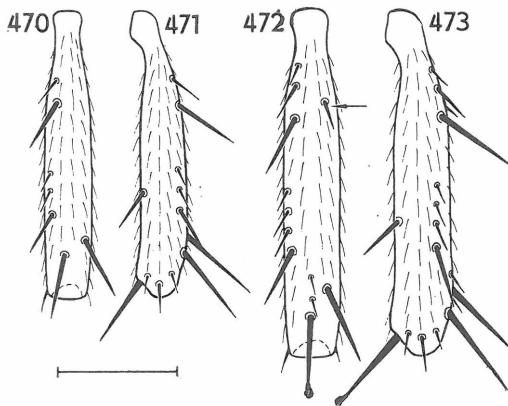


Figs. 458—463. Figs. 458—460. *Spelobia (S.) jaeroensis* (DEEMING) (holotype). 458 — male *S5*; 459 — telomere; 460 — aedeagal complex laterally (only left postgonite figured). Figs. 461—463. *Spelobia (S.) baezi* (PAPP) (holotype). 461 — male *S5*; 462 — telomere; 463 — aedeagal complex laterally (only left postgonite figured). Scales: Figs. 458, 460, 461, 463 = 0.1 mm, Figs. 459, 462 = 0.05 mm.

Fig. 464: p. 221.



Figs. 465–469. *Spelobia (S.) baezi* (PAPP) (♀, Spain). 465 — postabdomen dorsally; 466 — dtto laterally; 467 — dtto ventrally; 468 — spermathecae; 469 — spectacles-shaped sclerite ventrally. Scales: Figs. 465–467 = 0.1 mm, Fig. 468 = 0.05 mm.



Figs. 470—473. Figs. 470, 471. *Spelobia* (S.) *baezi* (PAPP) (♀, Spain). 470 — t_2 dorsally; 471 — dtto anteriorly. Figs. 472, 473. *Spelobia* (S.) *palmata* (RICHARDS) (♀, Czechoslovakia). 472 — t_2 dorsally; 473 — dtto anteriorly. Scale = 0.2 mm. Arrow indicates proximal pd.

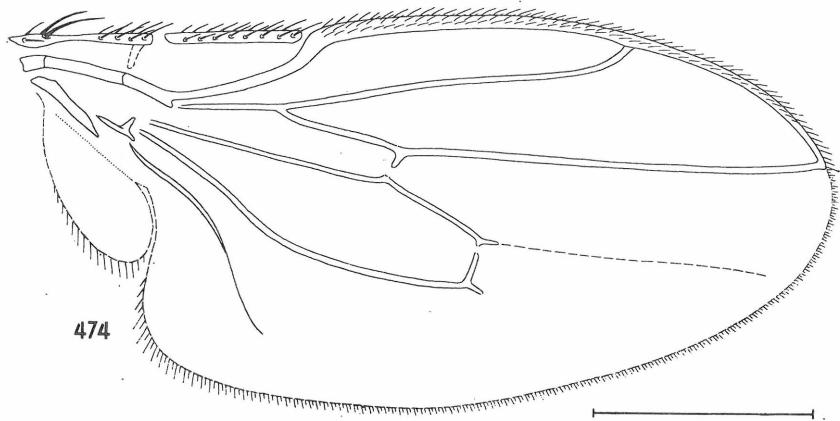


Fig. 474. *Spelobia* (S.) *palmata* (RICHARDS) (♂, Czechoslovakia), wing. Scale = 0.5 mm.

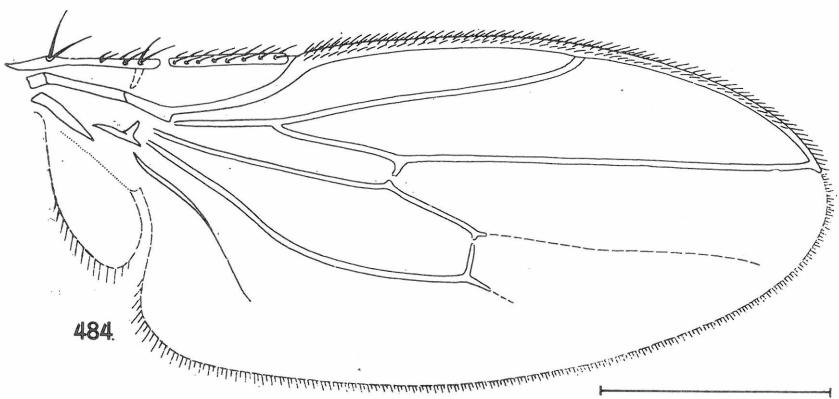
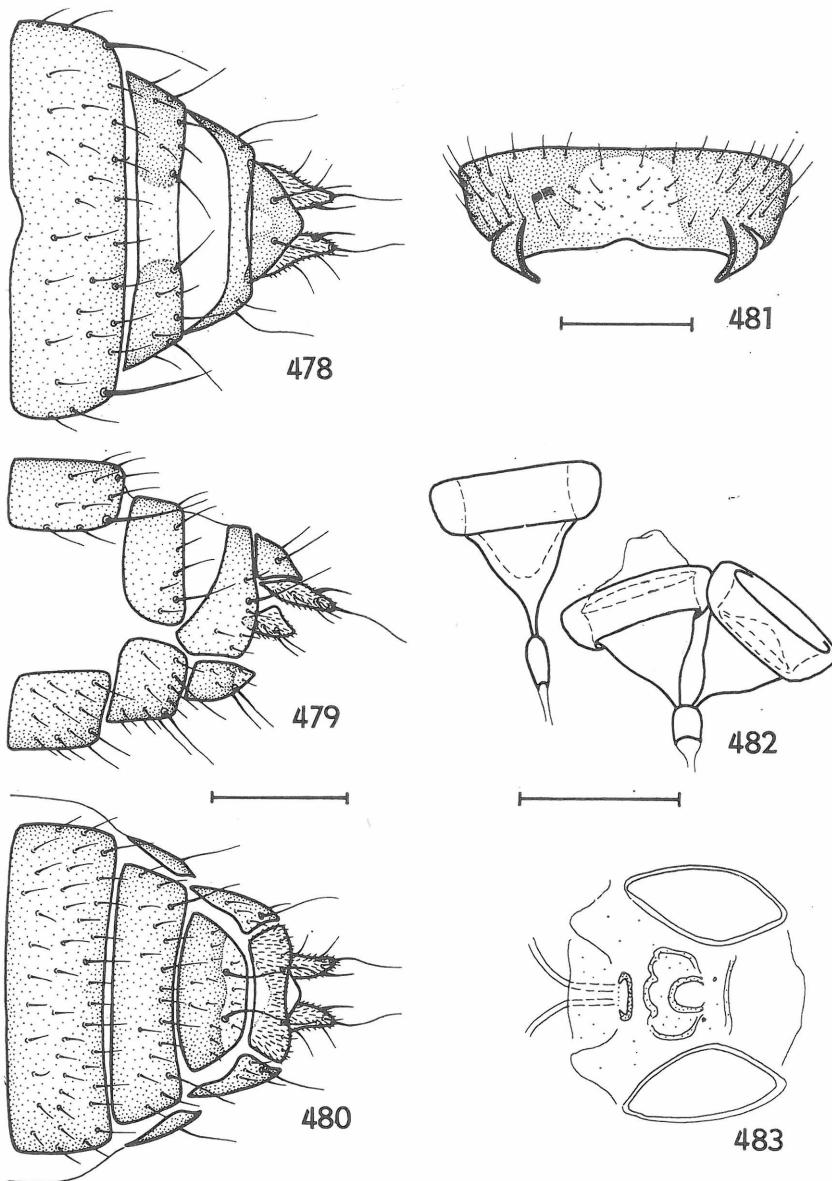


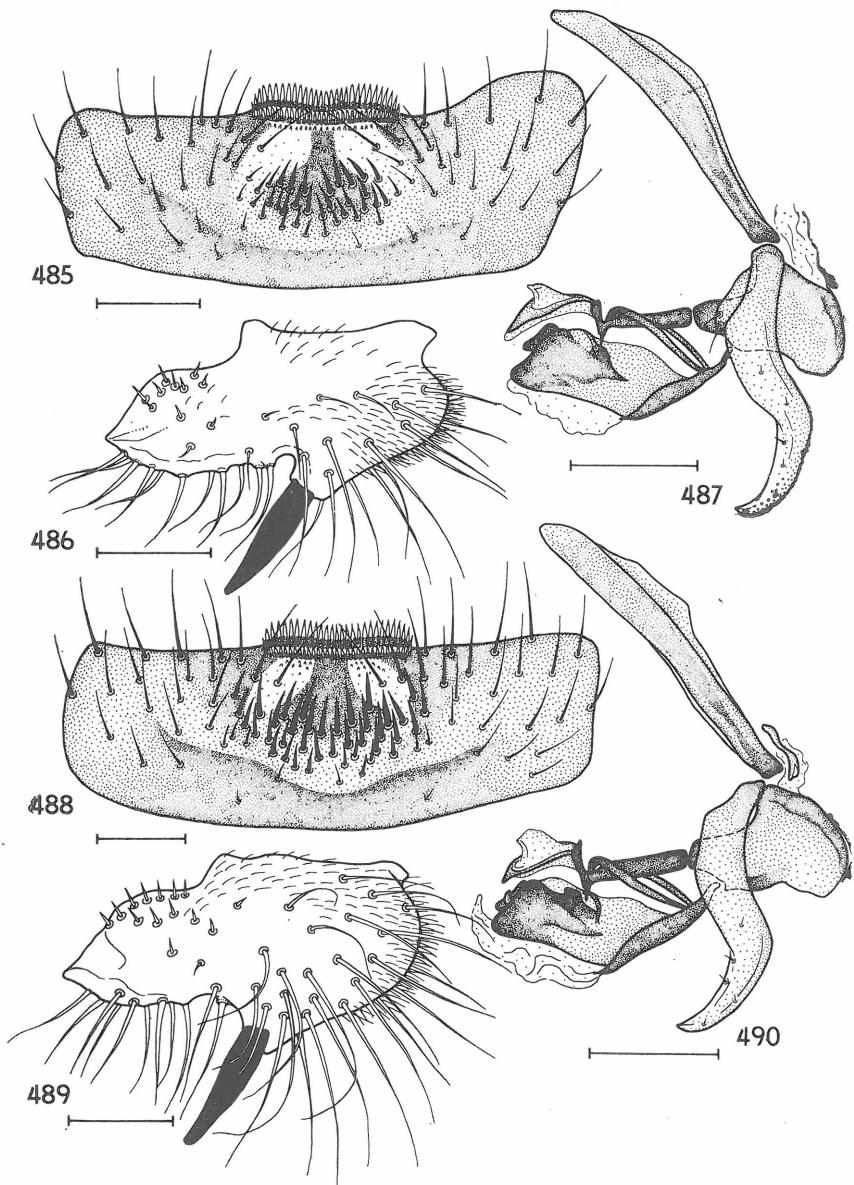
Fig. 484. *Spelobia* (S.) *talparum* (RICHARDS) (♂, Czechoslovakia), wing. Scale = 0.5 mm.

Fig. 475—477: p. 218.

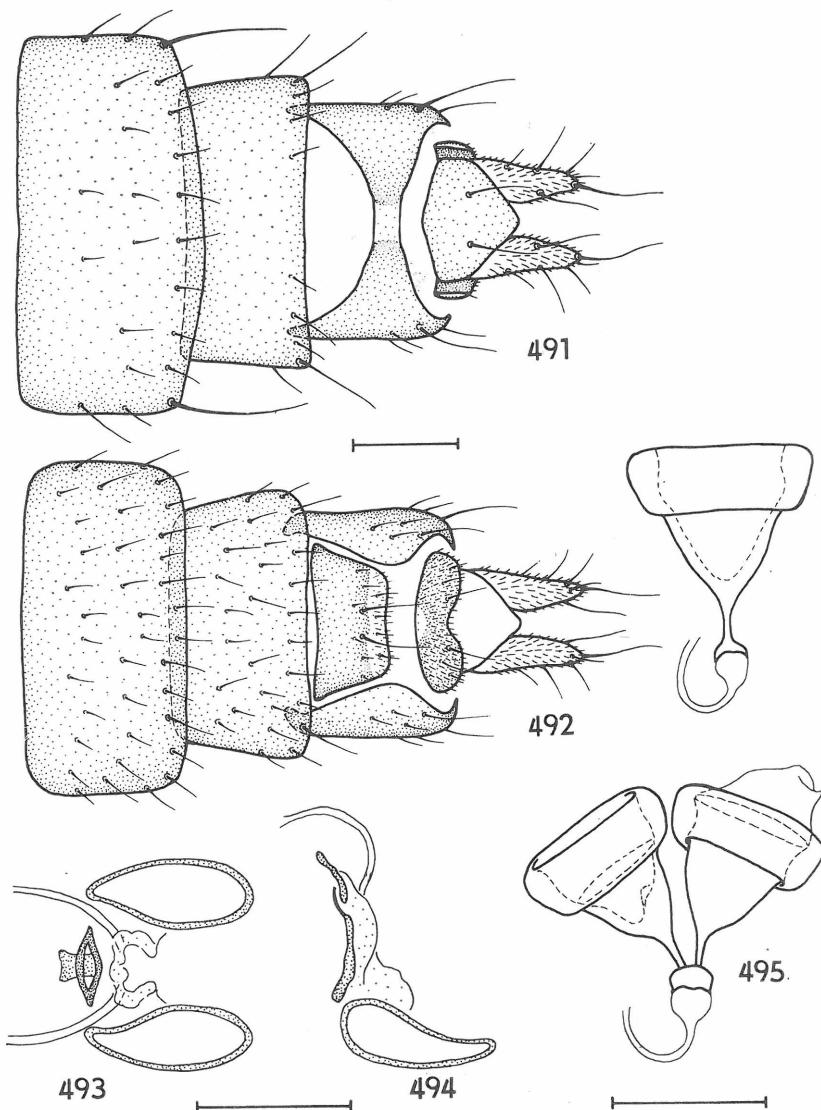


Figs. 478 – 483. *Spelobia (S.) palmata* (RICHARDS) (♀, Czechoslovakia). 478 — postabdomen dorsally; 479 — ditto laterally; 480 — ditto ventrally; 481 — T₁ + 2 dorsally; 482 — spermathecae; 483 — spectacles-shaped sclerite ventrally. Scales: Figs. 478–480 = 0.2 mm, Fig. 481 = 0.4 mm, Figs. 482, 483 = 0.1 mm.

Fig. 484: p. 224.

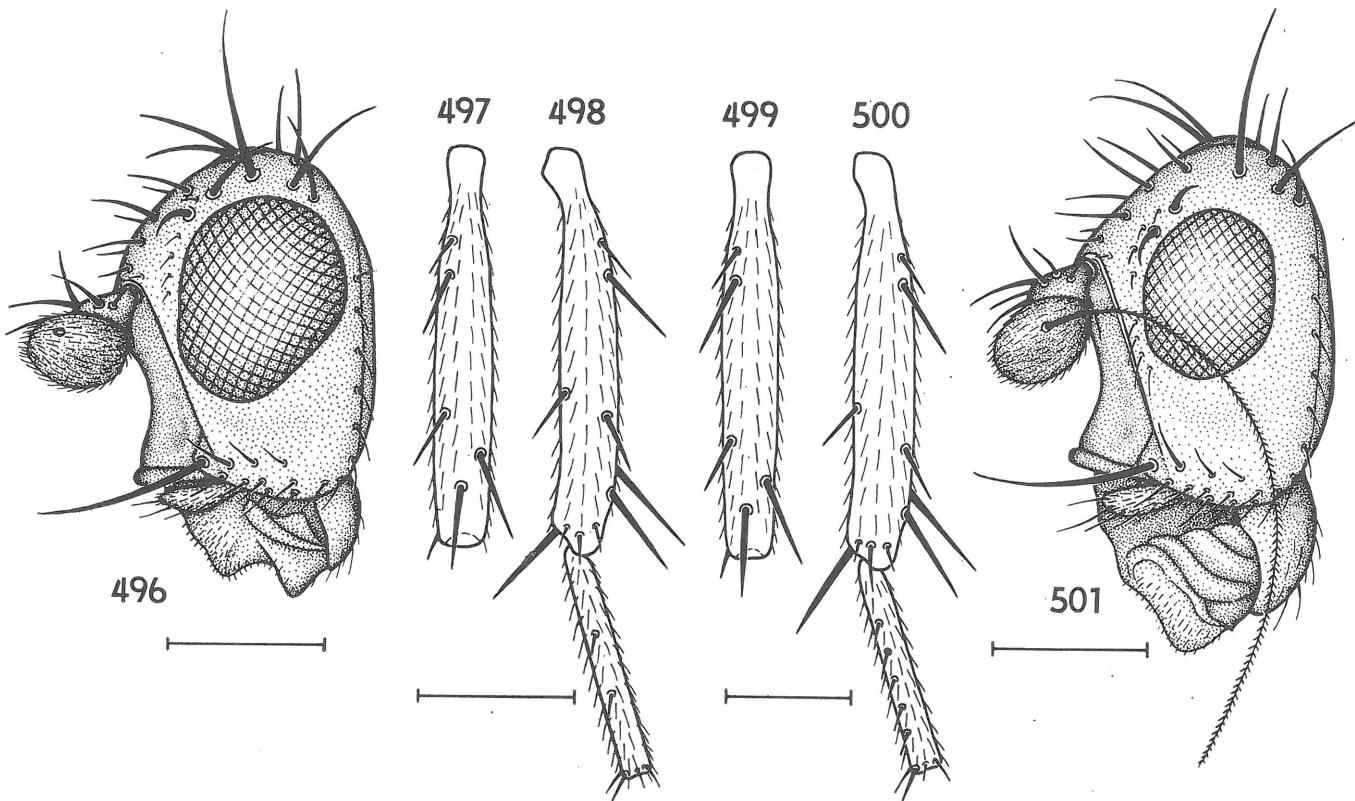


Figs. 485—490. Figs. 485—487. *Spelobia (S.) talparum* (RICHARDS) (♂, Czechoslovakia). 485—*S*5; 486—telomere; 487—aeadeagal complex laterally (only left postgonite figured); Figs. 488—490. *Spelobia (S.) talis* spec. nov. 488—*S*5 (holotype); 489—telomere (paratype); 490—aeadeagal complex laterally (only left postgonite figured) (holotype). Scales: Figs. 485, 487, 488, 490 = 0.1 mm, Figs. 486, 489 = 0.05 mm.



Figs. 491–495. *Spelobia (S.) talparum* (RICHARDS) (♀, Czechoslovakia). 491 — postabdomen dorsally; 492 — dtto ventrally; 493 — spectacles-shaped sclerite ventrally; 494 — dtto laterally; 495 — spermathecae. Scales = 0.1 mm.

J. ROHÁČEK: A monograph and re-classification of *Limosina* MACQUART – III



Figs. 496–501. Figs. 496–498. *Spelobia (S.) talparum* (RICHARDS) (Czechoslovakia). 496 – head laterally (♂, arista omitted); 497 – female t_2 dorsally; 498 – female t_2 and mt_2 anteriorly; Figs. 499–501. *Spelobia (S.) talis* spec. nov. 499 – female t_2 dorsally; 500 – female t_2 and mt_2 anteriorly (allotype); 501 – head laterally (♂, holotype). Scales = 0.2 mm.

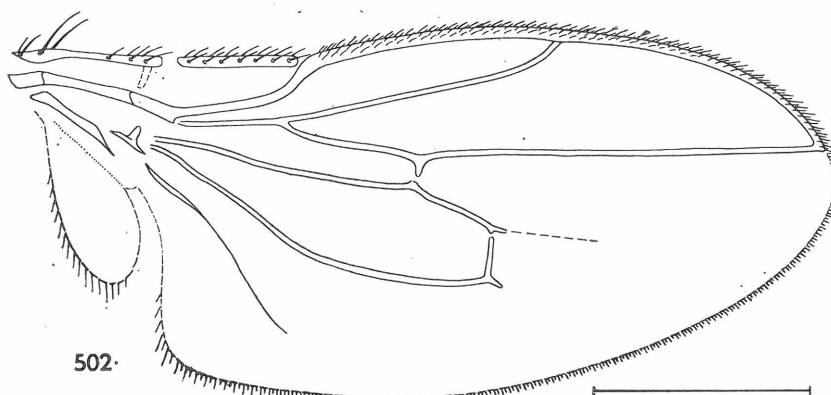
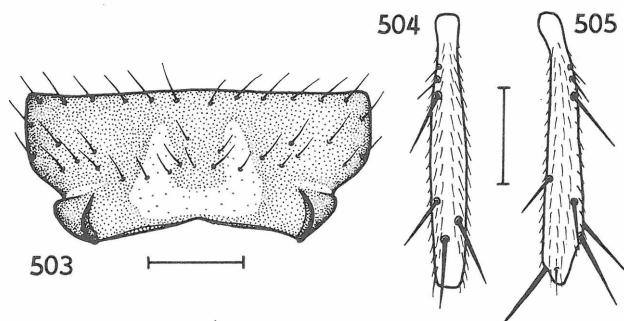


Fig. 502. *Spelobia (S.) talis* spec. nov. (♀, allotype), wing. Scale = 0.5 mm.



Figs. 503–505. *Spelobia (S.) czizeki* (DUDA) (♀, paralectotype). 503 — $T_1 + 2$ dorsally; 504 — t_2 dorsally; 505 — dtto anteriorly. Scale = 0.2 mm.

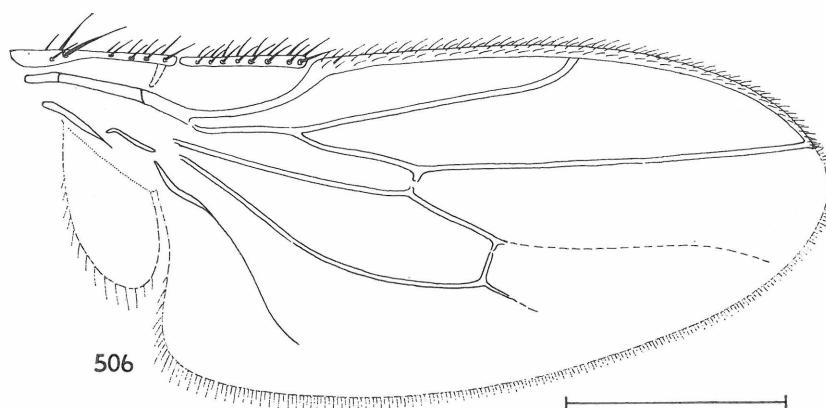
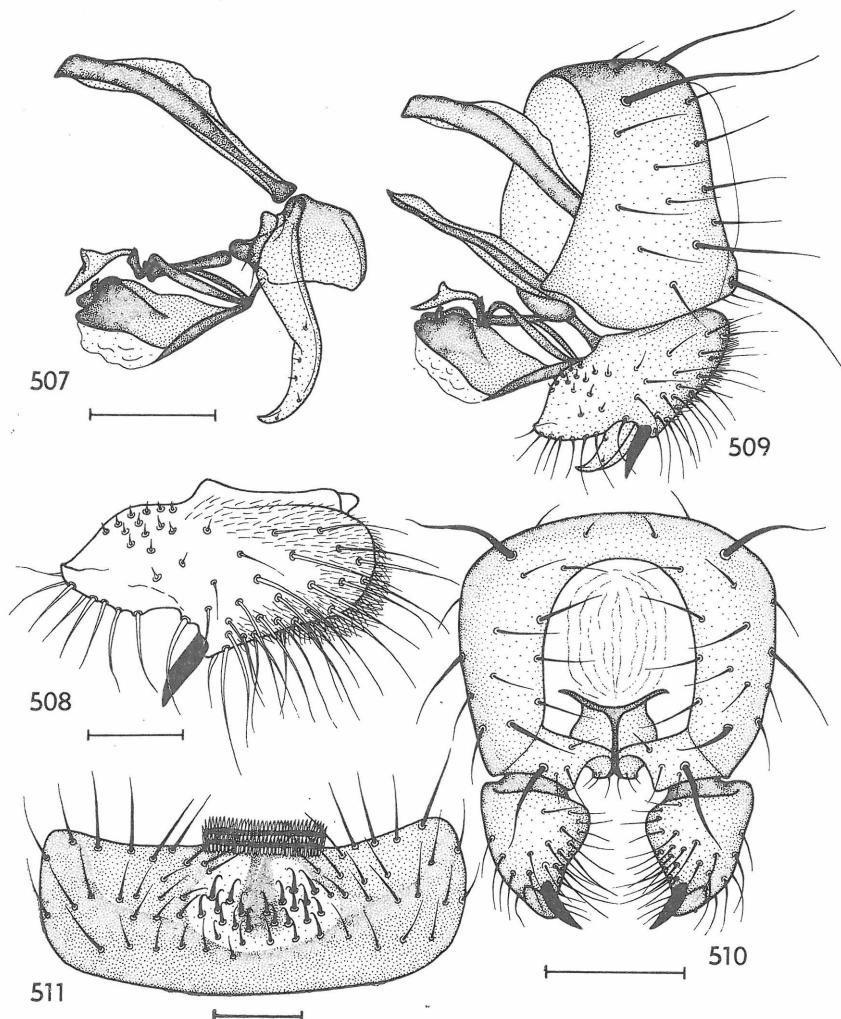
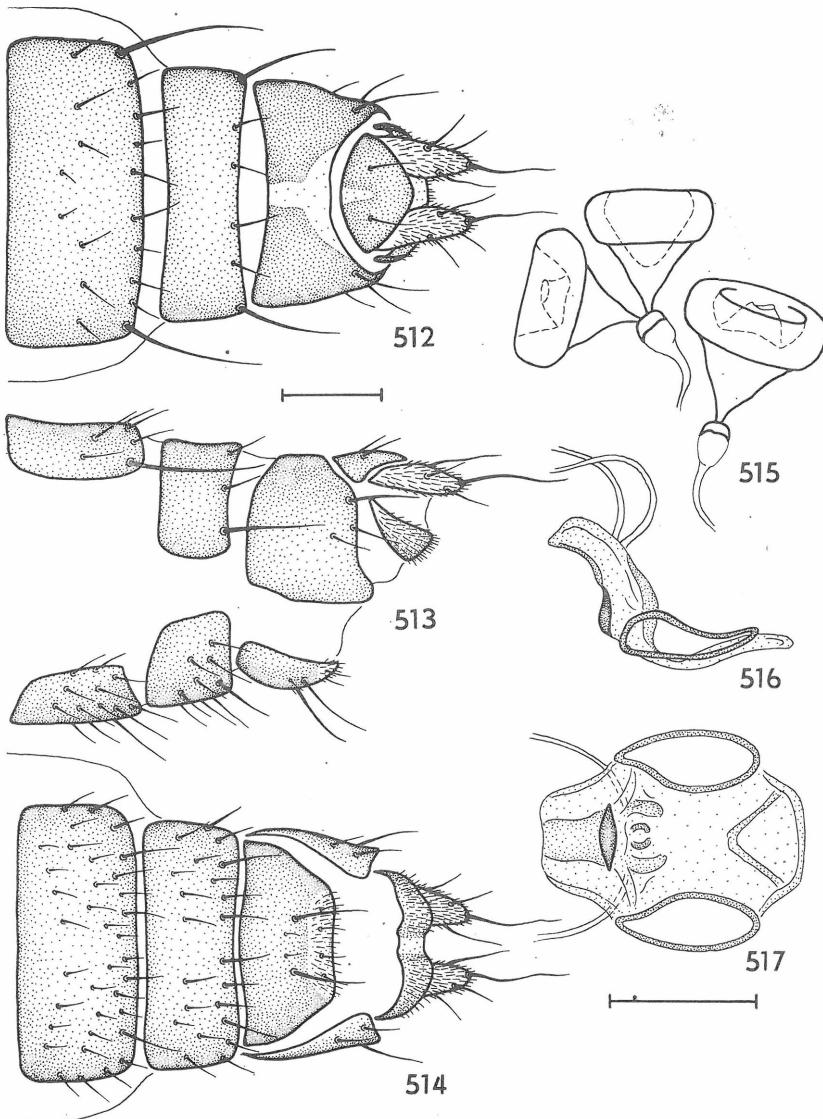


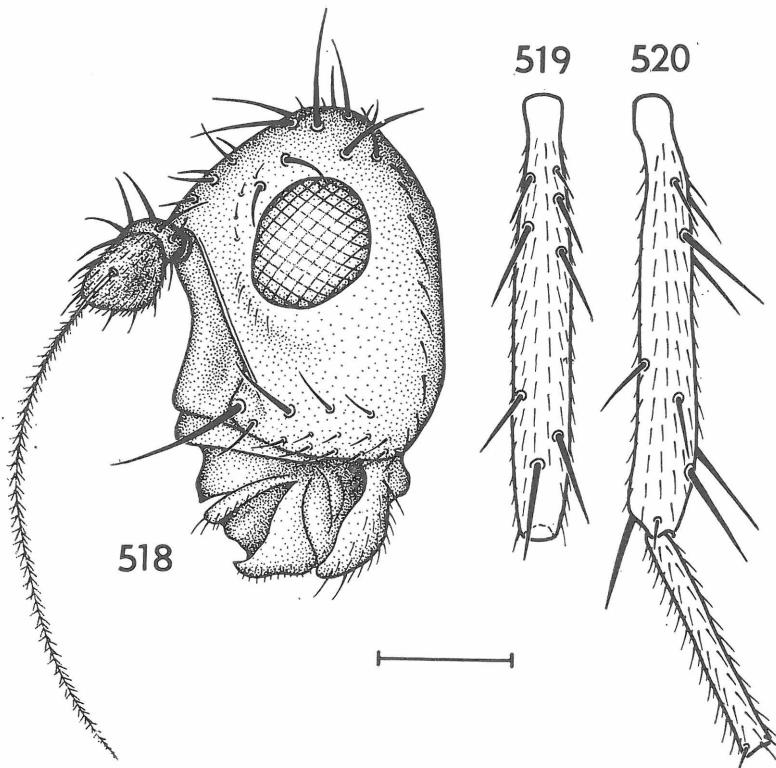
Fig. 506. *Spelobia (S.) czizeki* (DUDA) (♀, paralectotype), wing. Scale = 0.5 mm.



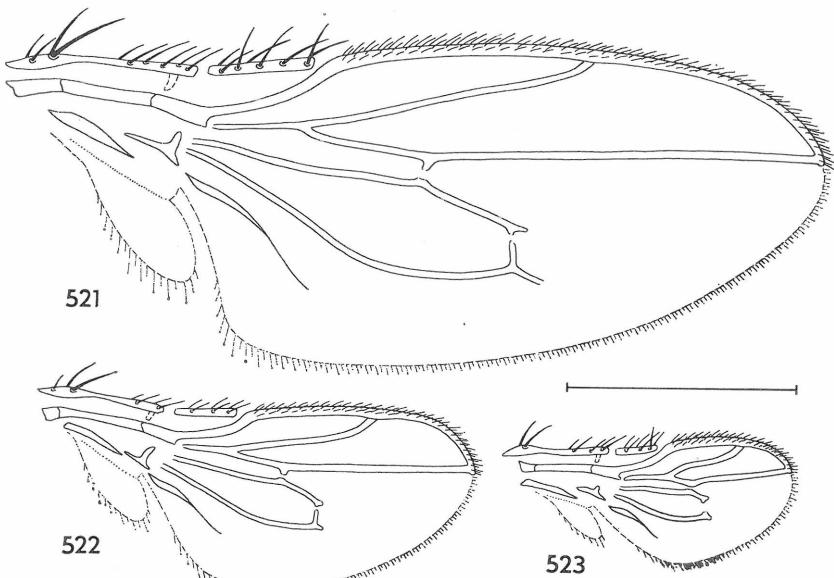
Figs. 507—511. *Spelobia (S.) czizeki* (DUDA) (♂, paratype). 507 — aedeagal complex laterally (only left postgonite figured); 508 — telomere; 509 — genitalia laterally; 510 — dtto caudally (aedeagal complex omitted); 511 — S₅. Scales: Figs. 507, 509—511 = 0.1 mm, Fig. 508 = 0.05 mm.



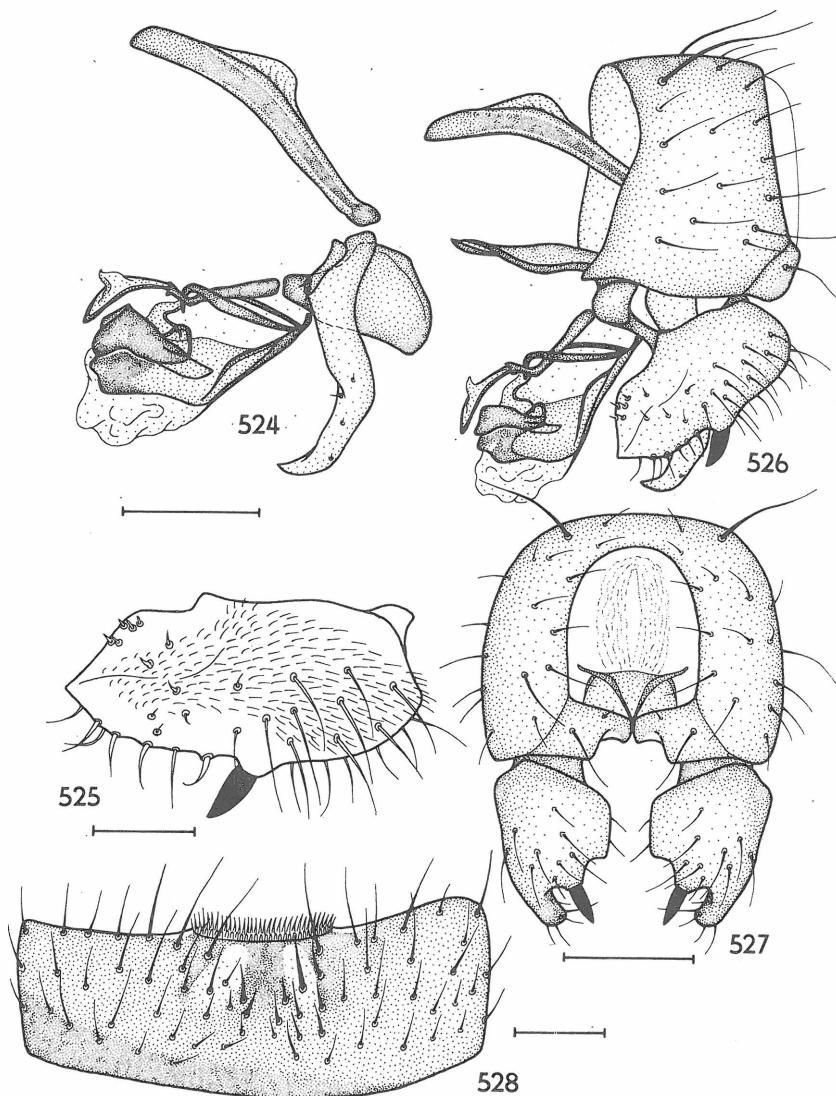
Figs. 512—517. *Spelobia (S.) czizeki* (DUDA) (♀, paralectotype). 512 — postabdomen dorsally; 513 — dtto laterally; 514 — dtto ventrally; 515 — spermathecae; 516 — spectacles-shaped sclerite laterally; 517 — dtto ventrally. Scales = 0.1 mm.



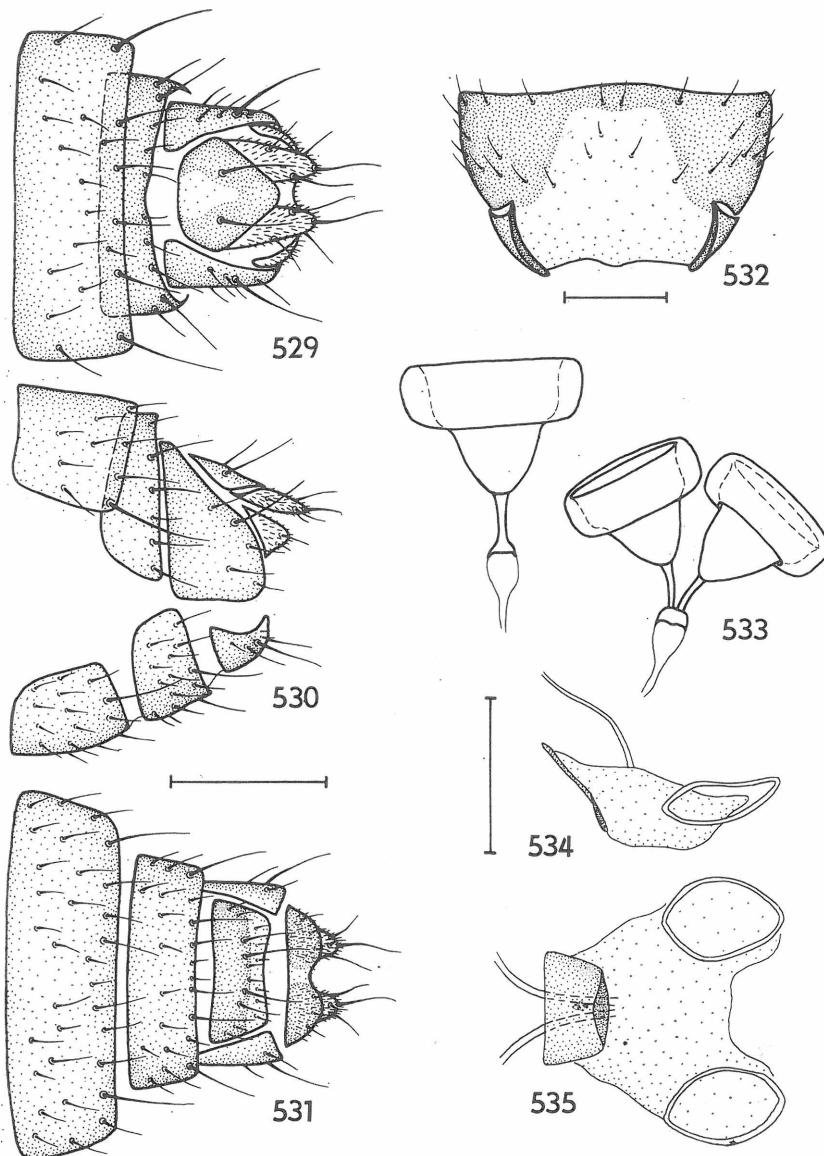
Figs. 518—520. *Spelobia (S.) pseudonivalis* (DAHL) (♀, Czechoslovakia). 518 — head laterally; 519 — t_2 dorsally; 520 — t_2 and mt_2 anteriorly. Scale = 0.2 mm.



Figs. 521—523. *Spelobia (S.) pseudonivalis* (DAHL) (Czechoslovakia), wings. 521 — f. submacropt. (♂); 522 — f. brach. (♀); 523 — f. brach. (mutant ♀ without t_p). Scale = 0.5 mm.

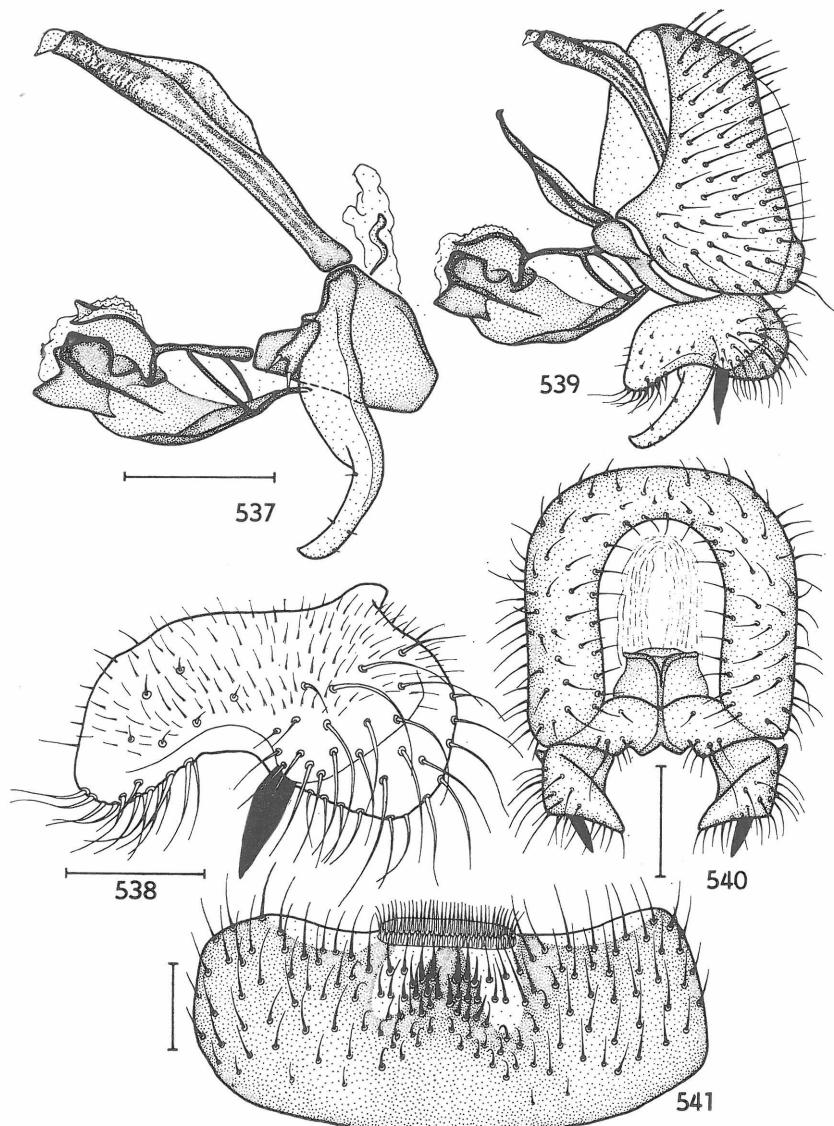


Figs. 524–528. *Spelobia (S.) pseudonivalis* (DAHL) (♂, Czechoslovakia). 524 — aedeagal complex laterally (only left postgonite figured); 525 — telomere; 526 — genitalia laterally; 527 — dtto caudally (aedeagal complex omitted); 528 — S5. Scales: Figs. 524, 526–528 = 0.1 mm; Fig. 525 = 0.05 mm.

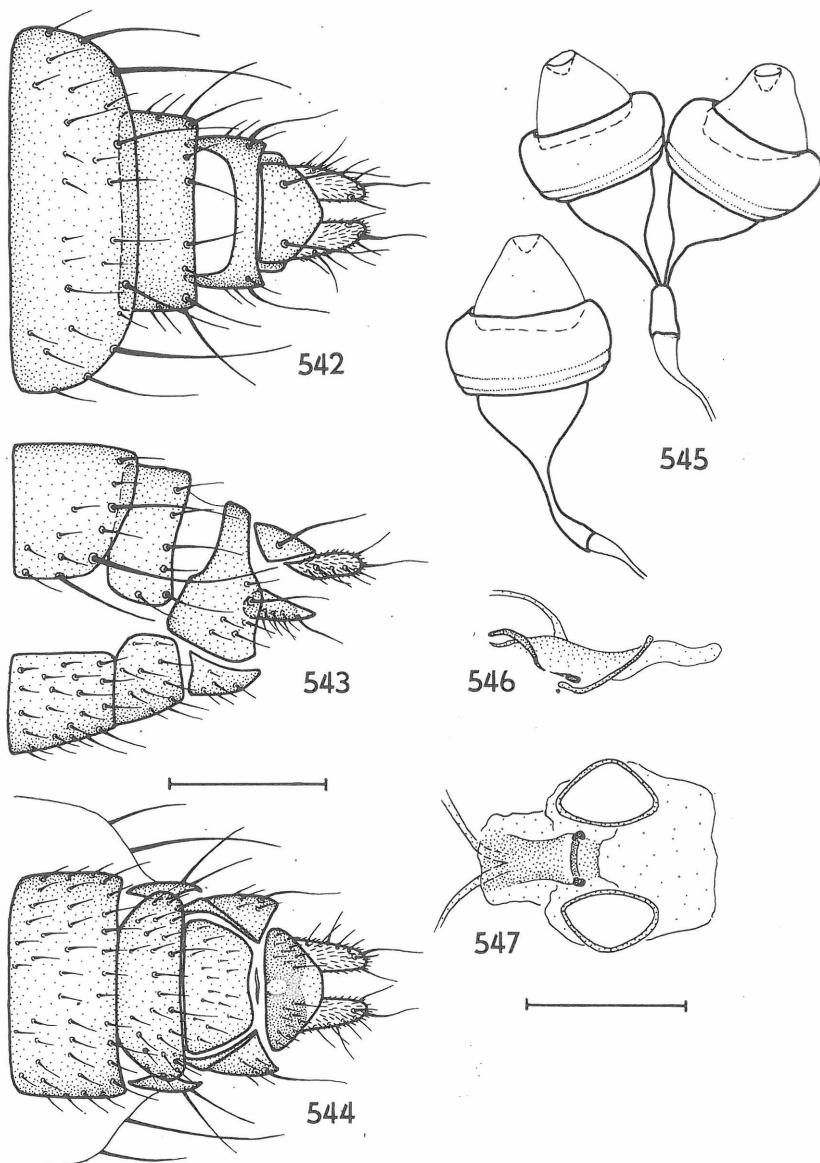


Figs. 529—535. *Spelobia (S.) pseudonivalis* (DAHL) (♀, Czechoslovakia). 529 — postabdomen dorsally; 530 — dtto laterally; 531 — dtto ventrally; 532 — $T_1 + 2$ dorsally; 533 — spermathecae; 534 — spectacles-shaped sclerite laterally; 535 — dtto ventrally. Scales: Figs. 529—532 = 0.2 mm, Figs. 533—535 = 0.1 mm.

Fig. 536: p. 237.



Figs. 537—541. *Spelobia (S.) villosa* (DUDA) (♂, paralectotype). 537 — aedeagal complex laterally (only left postgonite figured); 538 — telomere; 539 — genitalia laterally; 540 — *dtto* caudally (aedeagal complex omitted), 541 — *S5*. Scales: Figs. 537, 539—541 = 0.1 mm, Fig. 538 = 0.05 mm.



Figs. 542—547. *Spelobia (S.) villosa* (DUDA) (♀, paralectotype). 542 — postabdomen dorsally; 543 — dtto laterally; 544 — dtto ventrally; 545 — spermathecae; 546 — spectacles-shaped sclerite laterally; 547 — dtto ventrally. Scales: Figs. 542—544 = 0.2 mm, Figs. 545—547 = 0.1 mm.

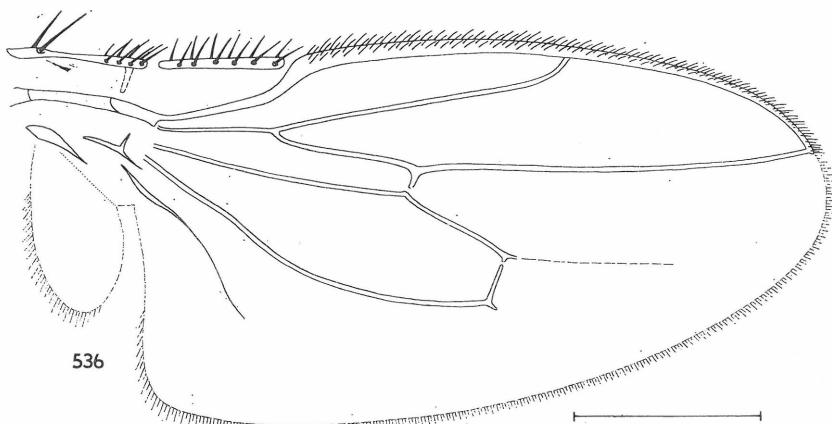
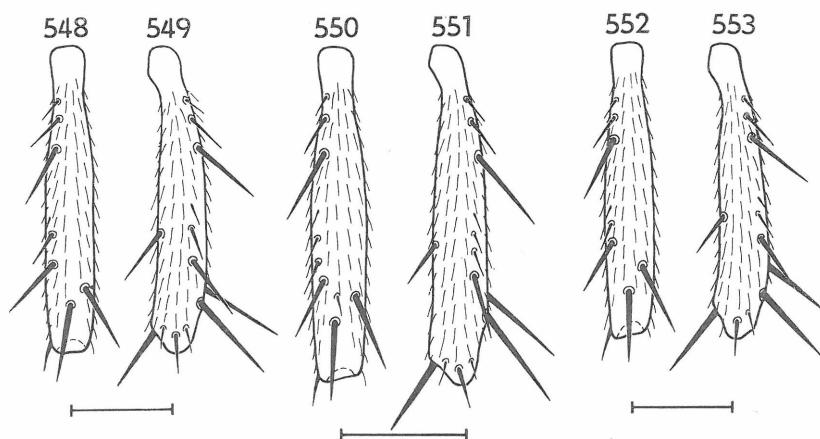


Fig. 536. *Spelobia (S.) villosa* (DUDA) (♀, paralectotype), wing. Scale = 0.5 mm.



Figs. 548–553. Figs. 548, 549. *Spelobia (S.) villosa* (DUDA) (♂, lectotype). 548 — t_2 dorsally; 549 — t_2 anteriorly; Figs. 550, 551. *Spelobia (S.) quaesita* spec. nov. (♂, holotype). 550 — t_2 dorsally; 551 — t_2 anteriorly; Figs. 552, 553. *Spelobia (S.) simplicipes* (DUDA) (♂, lectotype). 552 — t_2 dorsally; 553 — t_2 anteriorly. Scales = 0.2 mm.

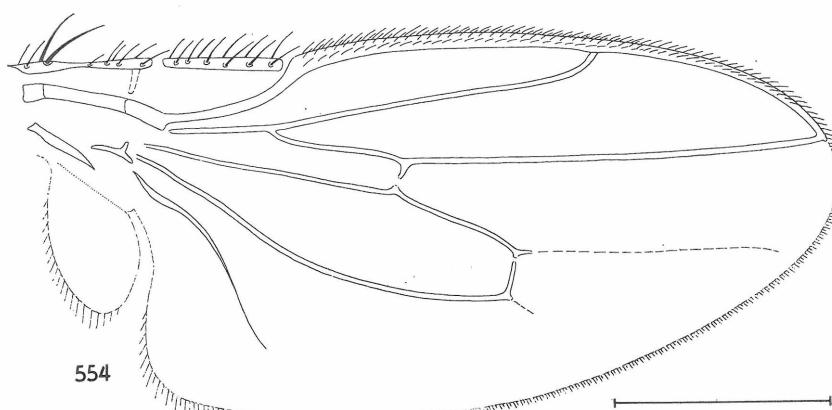
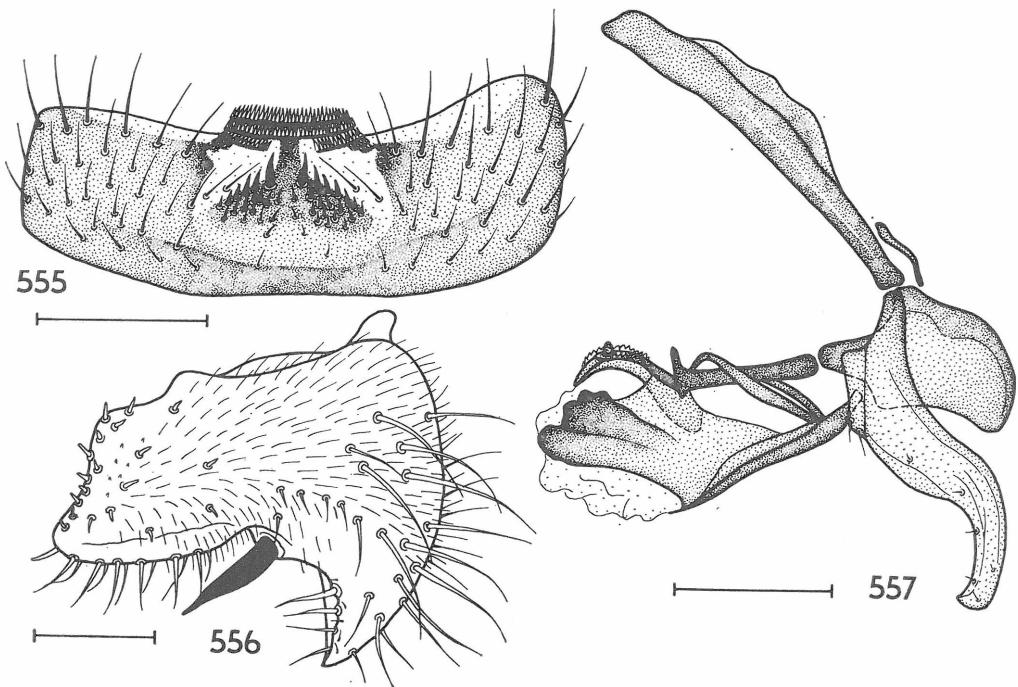


Fig. 554. *Spelobia (S.) quaesita* spec. nov. (♂, paratype), wing. Scale = 0.5 mm.



Figs. 555—557. *Spelobia (S.) quaesita* spec. nov. (♂, paratype). 555 — S5; 556 — telomere; 557 — aedeagal complex laterally (only left postgonite figured). Scales: Fig. 555 = 0.2 mm, Fig. 556 = 0.05 mm, Fig. 557 = 0.1 mm.

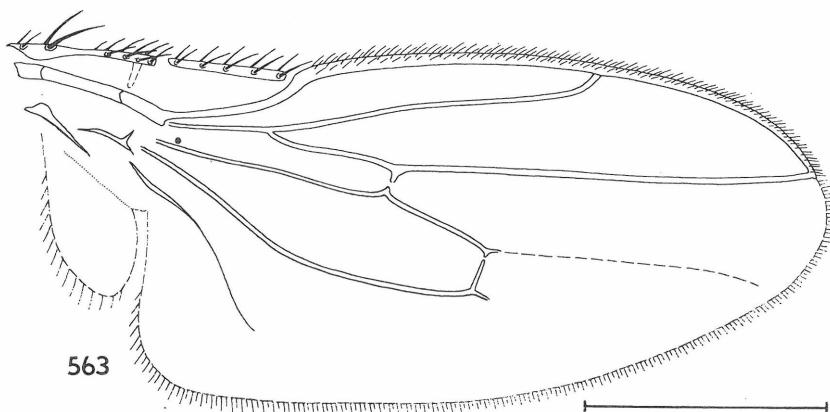
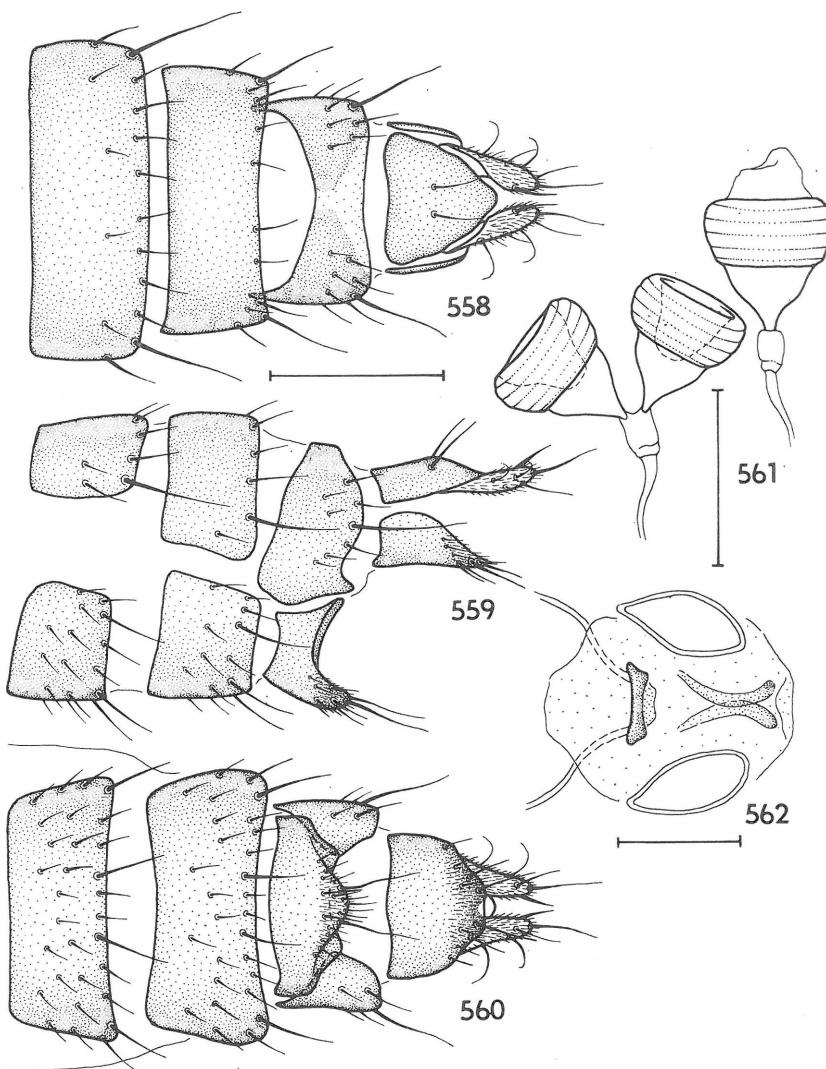
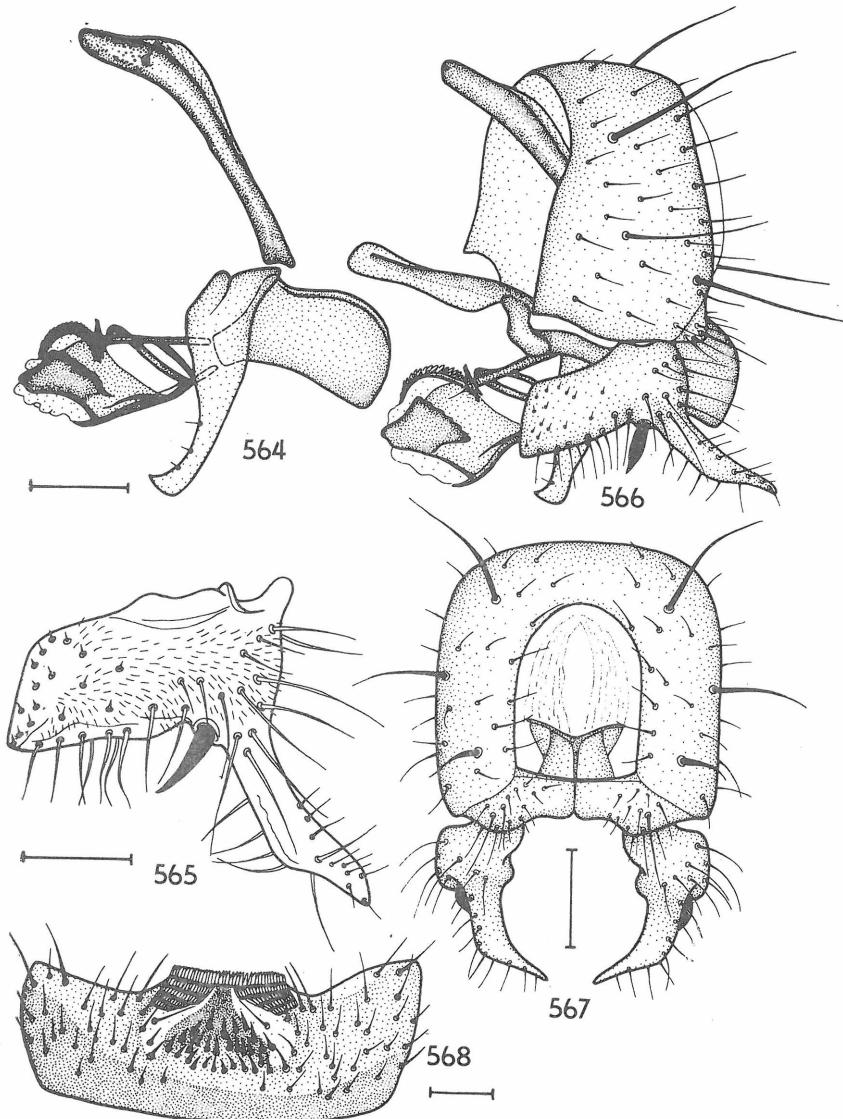


Fig. 563. *Spelobia (S.) simplicipes* (DUDA) (♂, Czechoslovakia), wing. Scale = 0.5 mm.

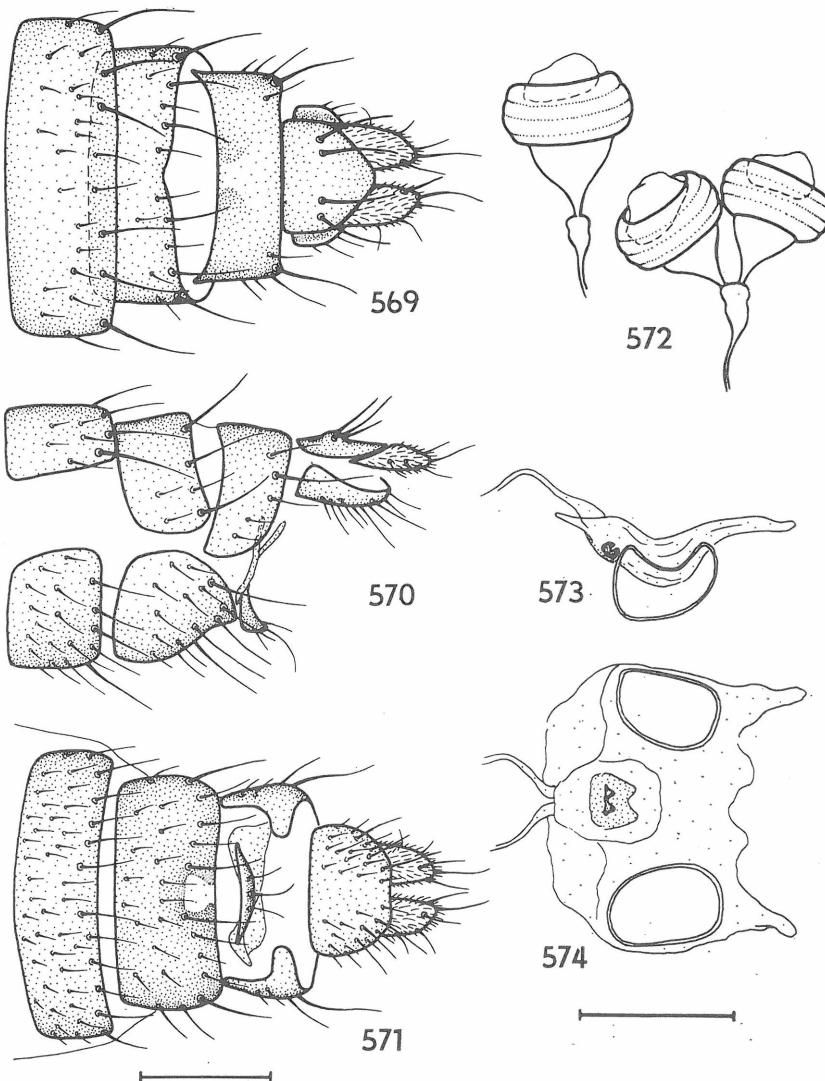


Figs. 558–562. *Spelobia (S.) quaesita* spec. nov. (♀, paratype). 558 — postabdomen dorsally; 559 — ditto laterally; 560 — ditto ventrally; 561 — spermathecae; 562 — spectacles-shaped sclerite ventrally. Scales: Figs. 558–560 = 0.2 mm, Figs. 561, 562 = 0.1 mm.

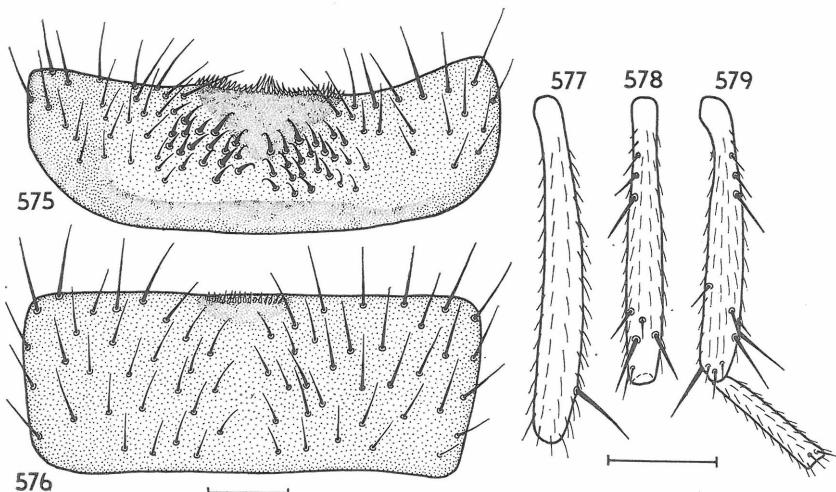
Fig. 563: p. 238.



Figs. 564—568. *Spelobia (S.) simplicipes* (DUDA). 564 — aedeagal complex laterally (only left postgonite figured); 565 — telomere; 566 — male genitalia laterally; 567 — dtto caudally (aedeagal complex omitted); 568 — male S5. Figs. 564, 565, 568 based on specimen from Czechoslovakia, Figs. 566, 567 on specimen from FRG. Scales: Figs. 564, 566—568 = 0.1 mm, Fig. 565 = 0.05 mm.



Figs. 569–574. *Spelobia (S.) simplicipes* (DUDA) (♀, Hungary). 569 — postabdomen dorsally; 570 — dtto laterally; 571 — dtto ventrally; 572 — spermathecae; 573 — spectacles-shaped sclerite laterally; 574 — dtto ventrally. Scales: Figs. 569–571 = 0.2 mm, Figs. 572–574 = 0.1 mm.



Figs. 575—579. *Spelobia (S.) pseudosetaria* (DUDA). 575 — male *S5*; 576 — male *S4*; 577 — *t₃* anteriorly (all based on holotype); 578 — *t₂* dorsally; 579 — *t₂* and *mt₂* anteriorly (both based on ♂ from Czechoslovakia). Scales: Figs. 575, 576 = 0.1 mm, Figs. 577—579 = 0.2 mm.

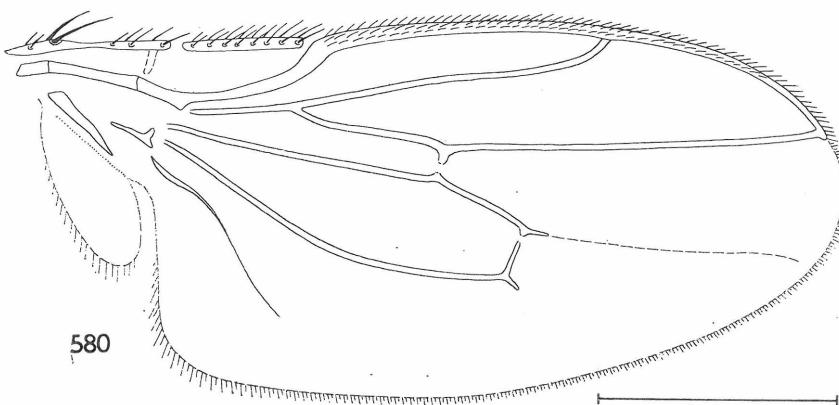


Fig. 580. *Spelobia (S.) pseudosetaria* (DUDA) (♂, Czechoslovakia), wing. Scale = 0.5 mm.

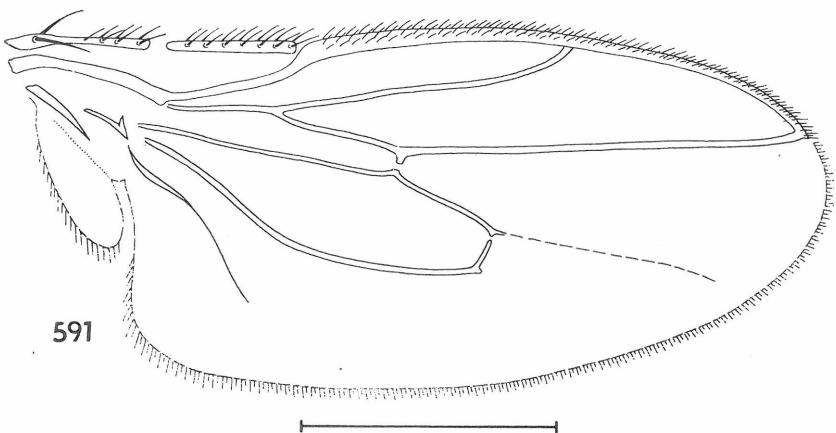
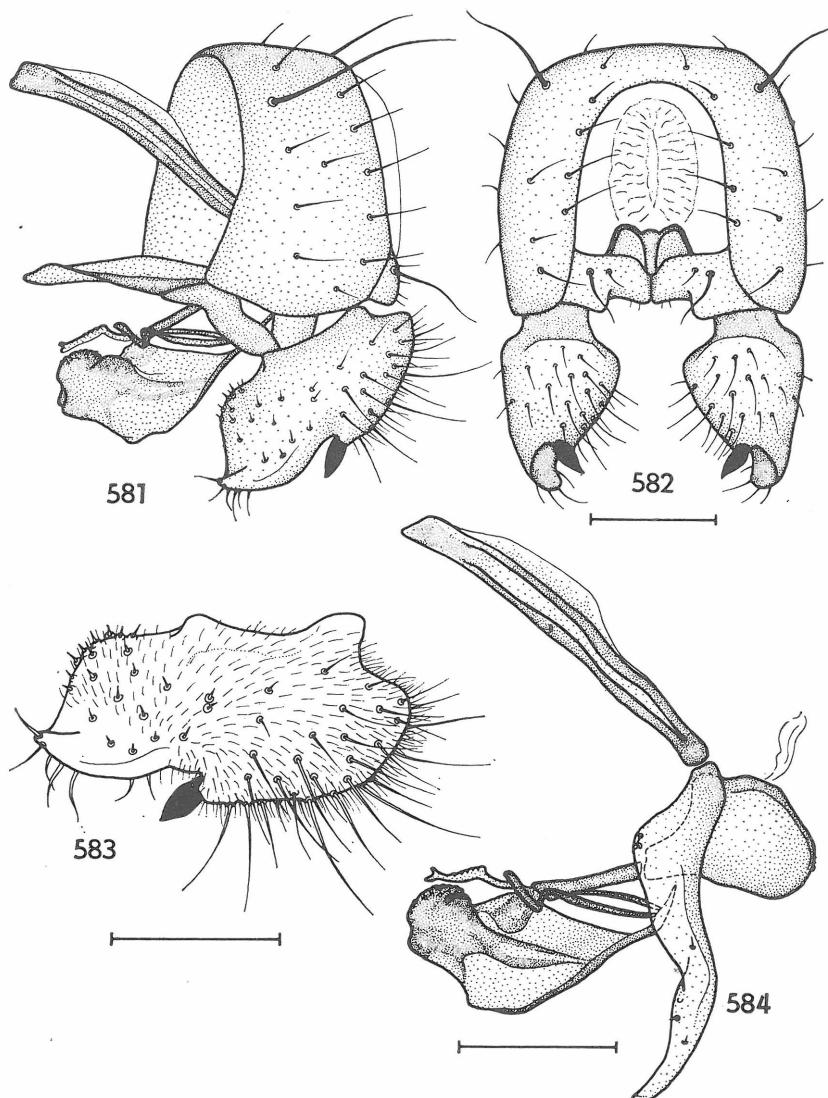
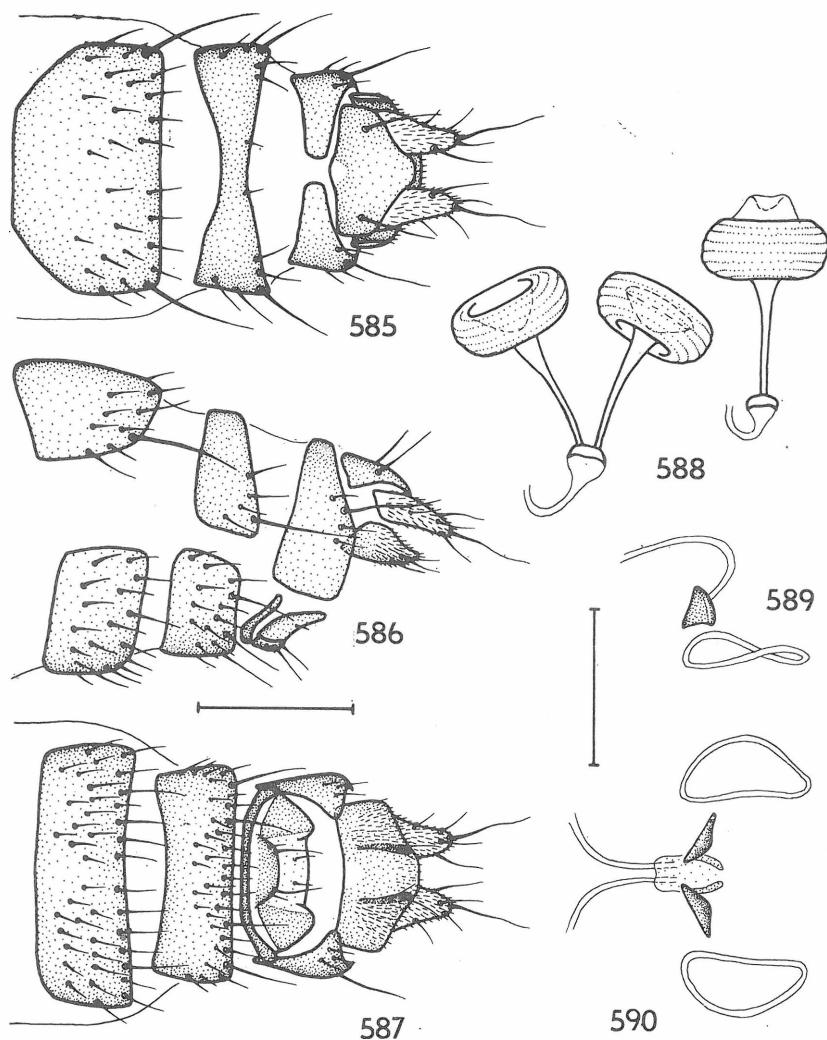


Fig. 591. *Spelobia (S.) rufilabris* (STENHAMMAR) (♀, Czechoslovakia), wing. Scale = 0.5 mm.

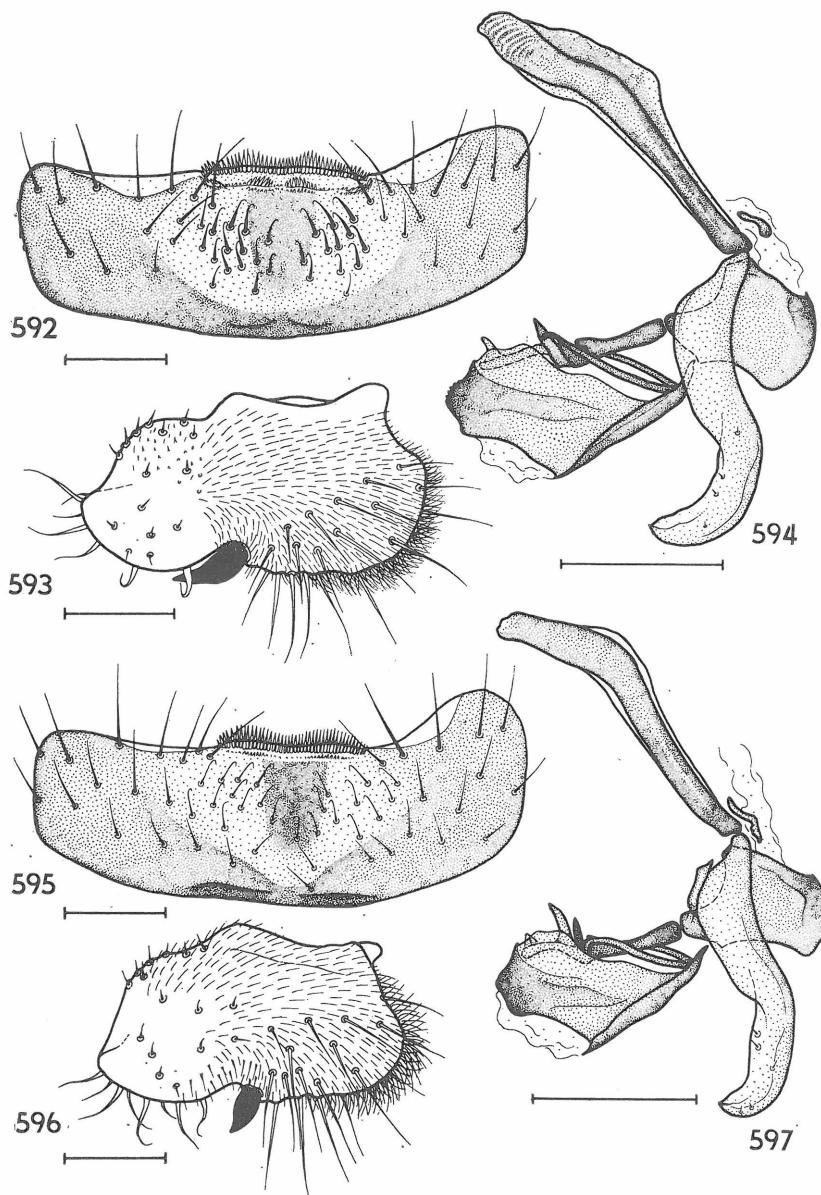


Figs. 581–584. *Spelobia (S.) pseudosetaria* (DUDA) (♂, holotype). 581 — genitalia laterally; 582 — ditto caudally (aedeagal complex omitted); 583 — telomere; 584 — aedeagal complex laterally (only left postgonite figured). Scales: Figs. 581, 582, 584 = 0.1 mm, Fig. 583 = 0.05 mm.

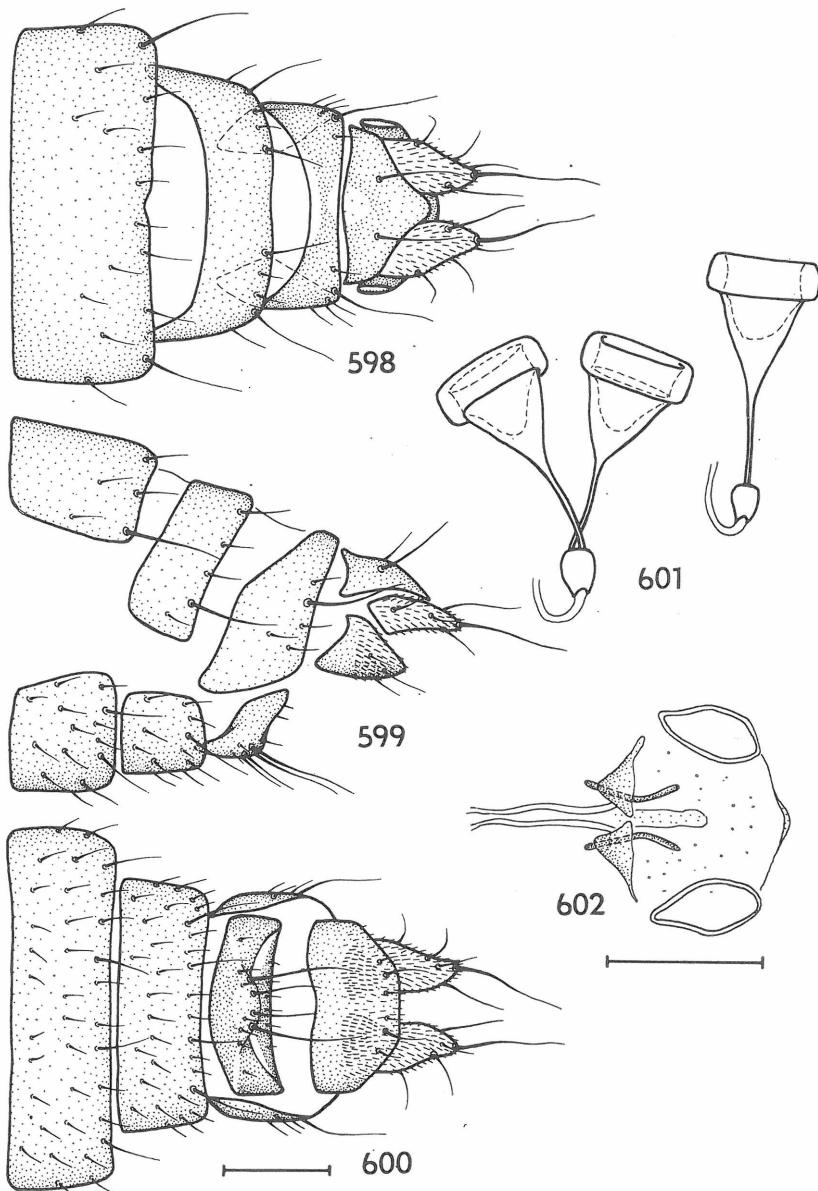


Figs. 585–590. *Spelobia* (S.) *pseudosetaria* (DUDA) (♀, Czechoslovakia). 585 — postabdomen dorsally; 586 — dtto laterally; 587 — dtto ventrally; 588 — spermathecae; 589 — spectacles-shaped sclerite laterally; 590 — dtto ventrally. Scales: Figs. 585–587 = 0.2 mm, Figs. 588–590 = 0.1 mm.

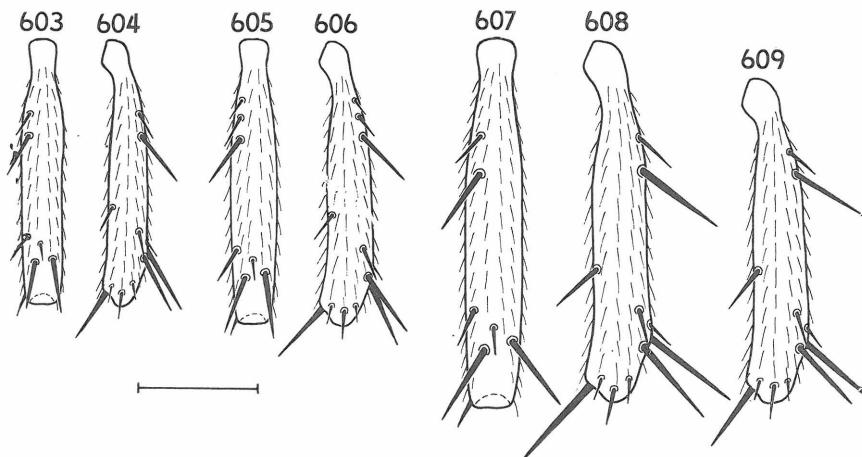
Fig. 591: p. 242.



Figs. 592–597. Figs. 592–594. *Spelobia (S.) rufilabris* (STENHAMMAR) (♂, paralectotype). 592 — S_5 ; 593 — telomere; 594 — aedeagal complex laterally (only left postgonite figured); Figs. 595–597. *Spelobia (S.) ibris* spec. nov. (♂, paratype). 595 — S_5 ; 596 — telomere; 597 — aedeagal complex laterally (only left postgonite figured). Scales: Figs. 592, 594, 595, 597 = 0.1 mm, Figs. 593, 596 = 0.05 mm.



Figs. 598—602. *Spelobia (S.) rufilabris* (STENHAMMAR) (♀, Austria). 598 — postabdomen dorsally; 599 — dtto laterally; 600 — dtto ventrally; 601 — spermathecae; 602 — spectacles-shaped sclerite ventrally. Scales = 0.1 mm.



Figs. 603–609. Figs. 603, 604. *Spelobia (S.) rufilabris* (STENHAMMAR) (♂, Czechoslovakia). 603 — t_2 dorsally; 604 — t_2 anteriorly; Figs. 605, 606. *Spelobia (S.) ibrida* spec. nov. (♂, holotype). 605 — t_2 dorsally; 606 — t_2 anteriorly; Figs. 607–609. *Spelobia (S.) luteilabris* (RONDANI) (Czechoslovakia). 607 — female t_2 dorsally; 608 — ditto anteriorly; 609 — male t_2 anteriorly. Scale = 0.2 mm.

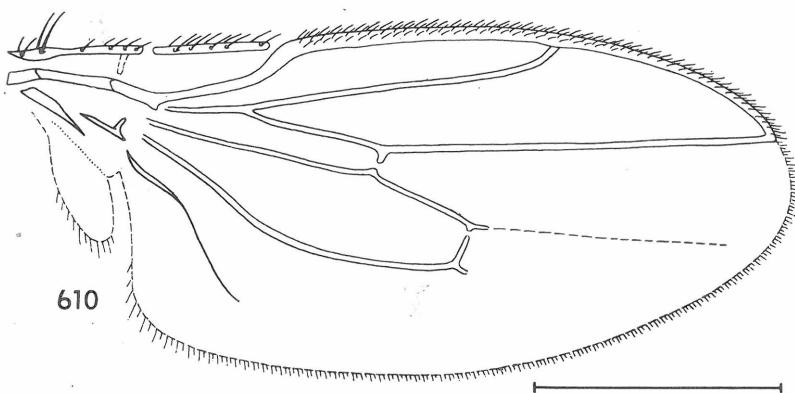


Fig. 610. *Spelobia (S.) ibrida* spec. nov. (♂ paratype, Czechoslovakia), wing. Scale = 0.5 mm.

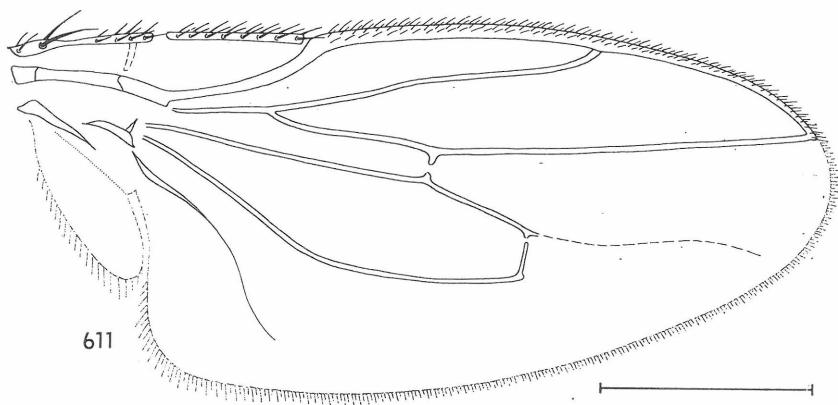
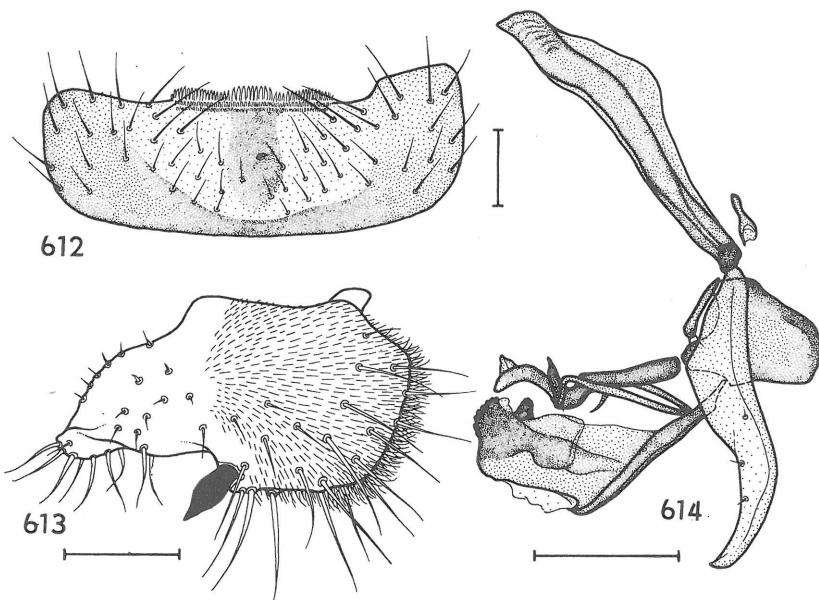
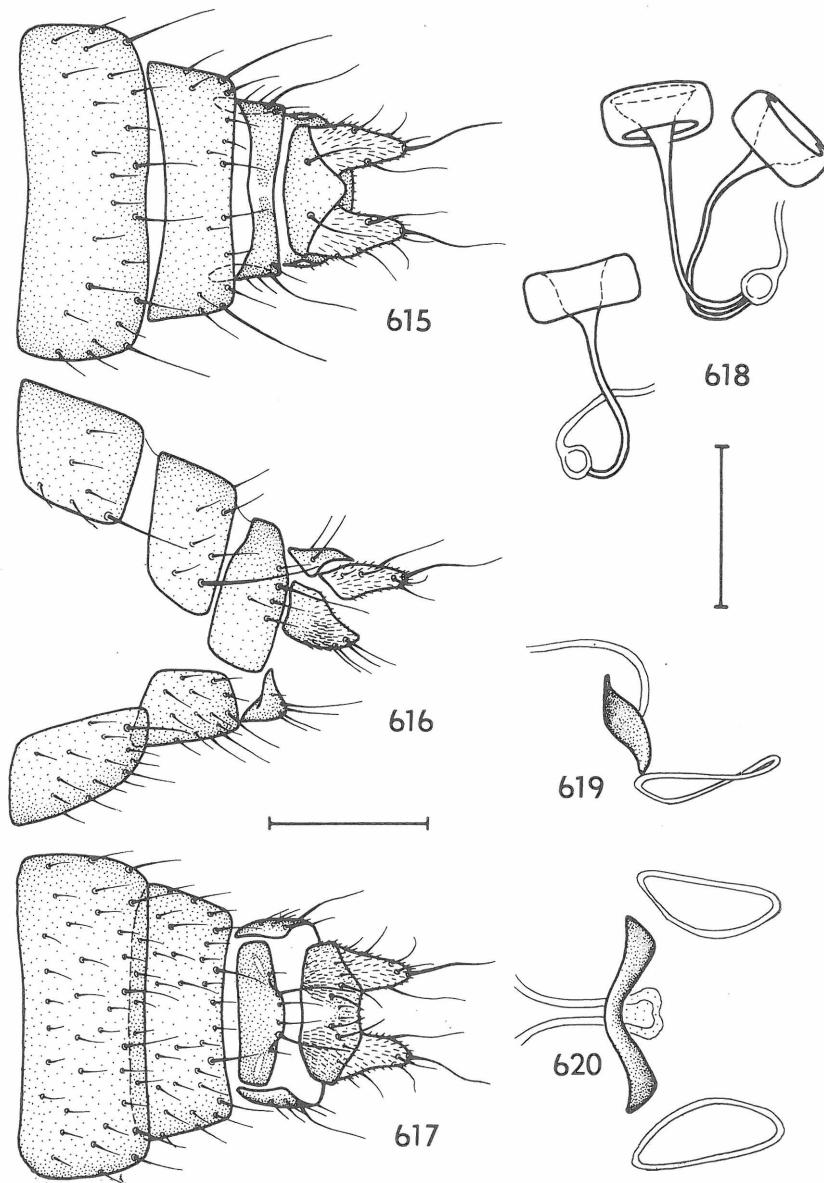


Fig. 611. *Spelobia (S.) luteilabris* (RONDANI) (♀, Czechoslovakia), wing. Scale = 0.5 mm.



Figs. 612–614. *Spelobia (S.) luteilabris* (RONDANI) (♂, Czechoslovakia). 612 — S5; 613 — telomere; 614 — aedeagal complex laterally (only left postgonite figured). Scales: Figs. 612, 614 = 0.1 mm, Fig. 613 = 0.05 mm.



Figs. 615–620. *Spelobia (S.) luteilabris* (RONDANI) (♀, Czechoslovakia). 615 – postabdomen dorsally; 616 – dtto laterally; 617 – dtto ventrally; 618 – spermathecae; 619 – spectacles-shaped sclerite laterally; 620 – dtto ventrally. Scales: Figs. 615–617 = 0.2 mm, Figs. 618–620 = 0.1 mm.

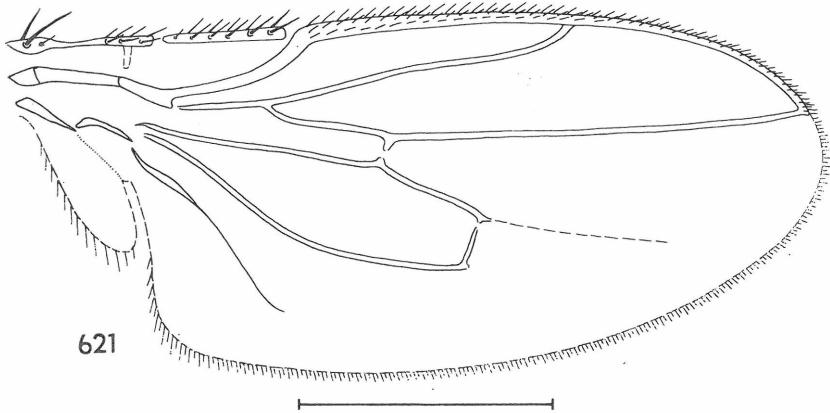
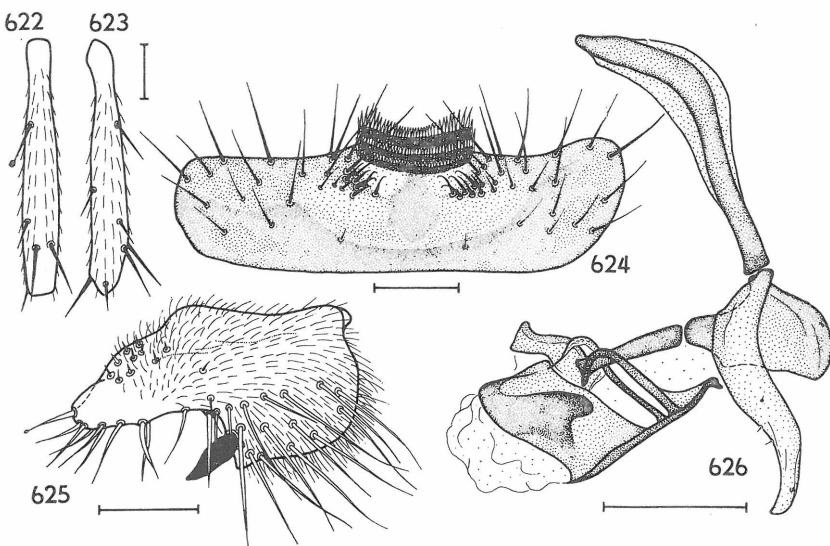
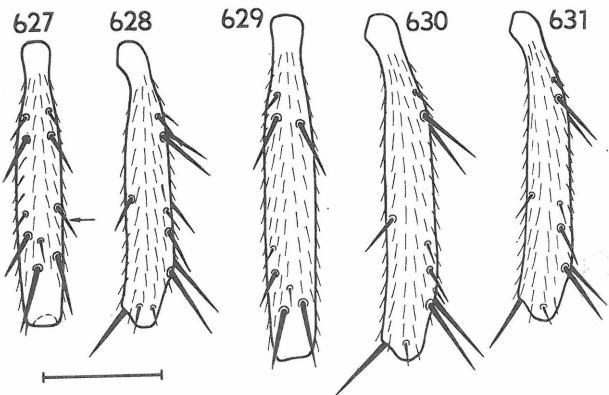


Fig. 621. *Spelobia* (S.) *ulla* spec. nov. (♂, holotype), wing. Scale = 0.5 mm.



Figs. 622—626. *Spelobia* (S.) *ulla* spec. nov. (♂, holotype). 622 — t_2 dorsally; 623 — t_2 anteriorly; 624 — S_5 ; 625 — telomere; 626 — aedeagal complex laterally (only left postgonite figured). Scales: Figs. 622—624, 626 = 0.1 mm, Fig. 625 = 0.05 mm.



Figs. 627–631. Figs. 627, 628. *Spelobia (S.) nana* (RONDANI) (♂, Czechoslovakia). 627 — t_2 dorsally; 628 — t_2 anteriorly. Figs. 629–631. *Spelobia (S.) parapusio* (DAHL). 629 — female t_2 dorsally; 630 — ditto anteriorly (Czechoslovakia); 631 — male t_2 anteriorly (Bulgaria). Scale = 0.2 mm. Arrow indicate pd in the middle of t_2 .

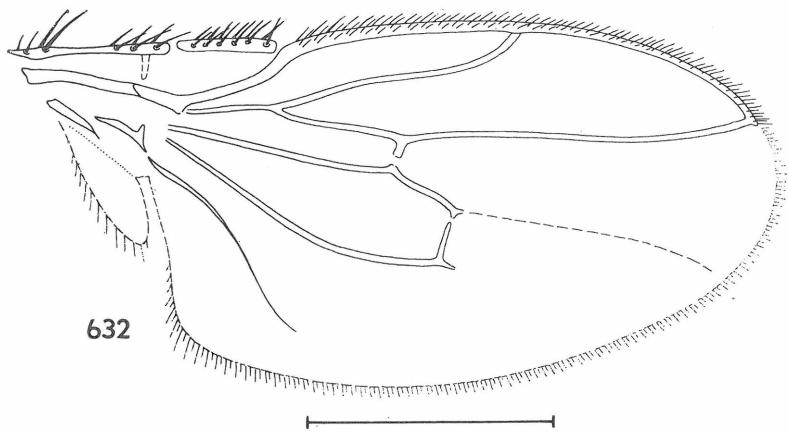


Fig. 632. *Spelobia (S.) nana* (RONDANI) (♂, Czechoslovakia), wing. Scale = 0.5 mm.

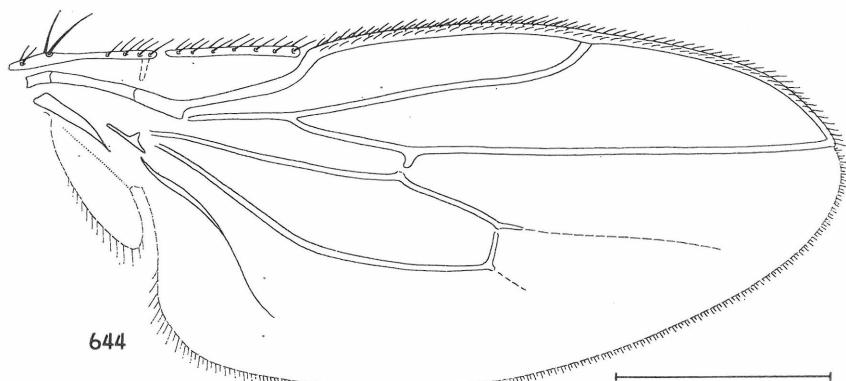
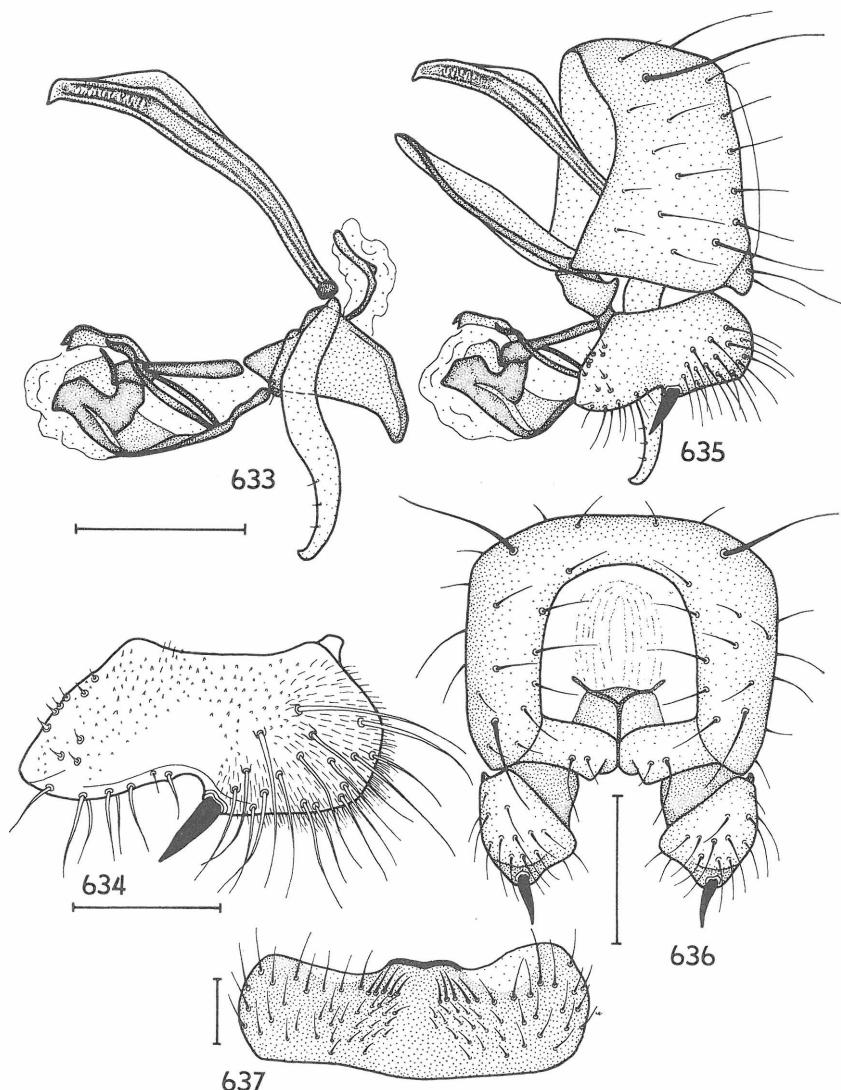
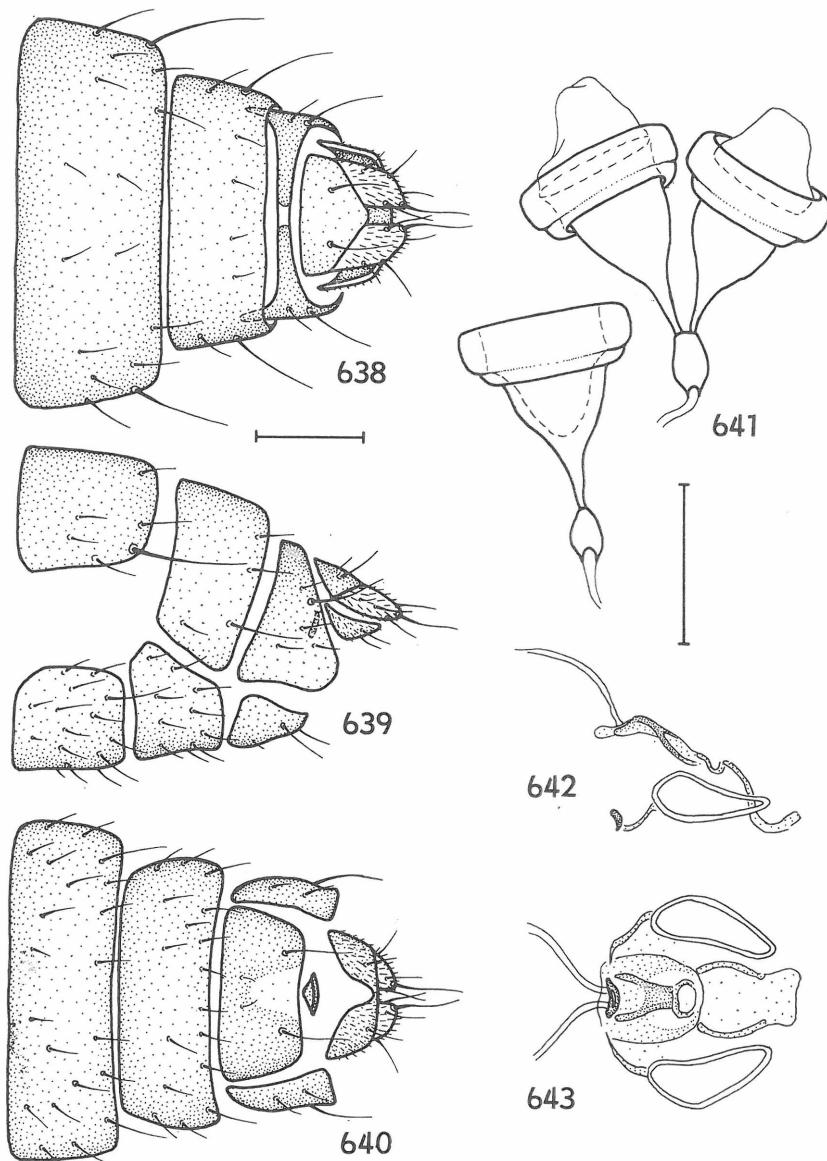


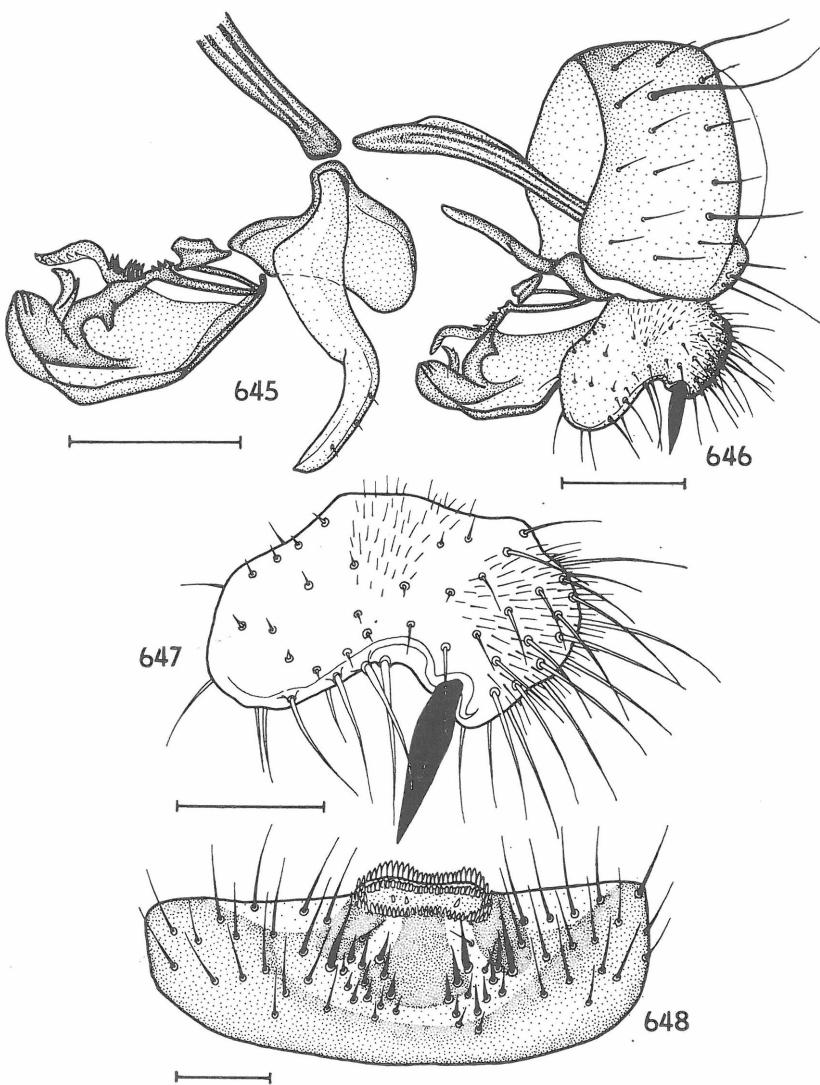
Fig. 644. *Spelobia (S.) parapusio* (DAHL) (♀, Czechoslovakia), wing. Scale = 0.5 mm.



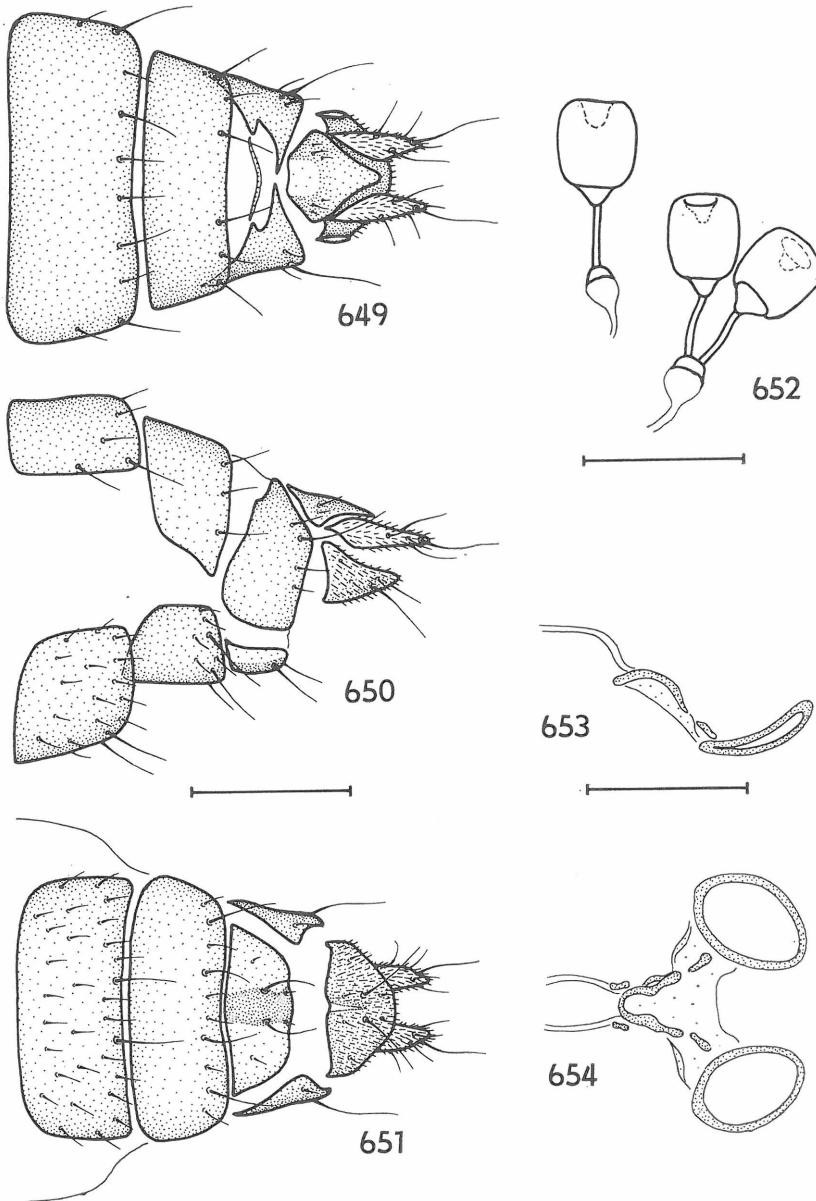
Figs. 633—637. *Spelobia (S.) nana* (RONDANI) (♂, Czechoslovakia). 633 — aedeagal complex laterally (only left postgonite figured); 634 — telomere; 635 — genitalia laterally; 636 — dtto caudally (aedeagal complex omitted); 637 — S5. Scales: Figs. 633, 635—637 = 0.1 mm, Fig. 634 = 0.05 mm.



Figs. 638—643. *Spelobia (S.) nana* (RONDANI) (♀, Czechoslovakia). 638 — postabdomen dorsally; 639 — ditto laterally; 640 — ditto ventrally; 641 — spermathecae; 642 — spectacles-shaped sclerite laterally; 643 — ditto ventrally. Scales = 0.1 mm.



Figs. 645—648. *Spelobia (S.) parapusio* (DAHL) (♂, Belgium). 645 — aedeagal complex laterally (right postgonite and terminal part of aedeagal apodeme omitted); 646 — genitalia laterally; 647 — telomere; 648 — S5. Scales: Figs. 645, 646, 648 = 0.1 mm, Fig. 647 = 0.05 mm.



Figs. 649–654. *Spelobia (S.) parapusio* (DAHL) (♀, Czechoslovakia). 649 — postabdomen dorsally; 650 — dtto laterally; 651 — dtto ventrally; 652 — spermathecae; 653 — spectacles-shaped sclerite laterally; 654 — dtto ventrally. Scales: Figs. 649–651 = 0.2 mm, Figs. 652–654 = 0.1 mm.

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