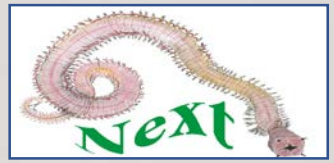
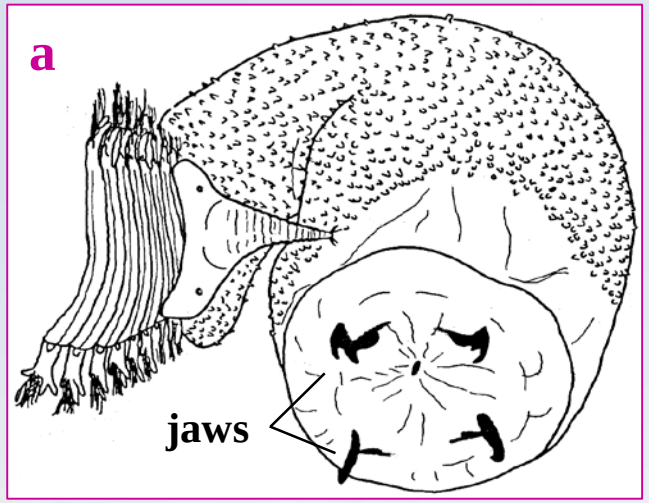
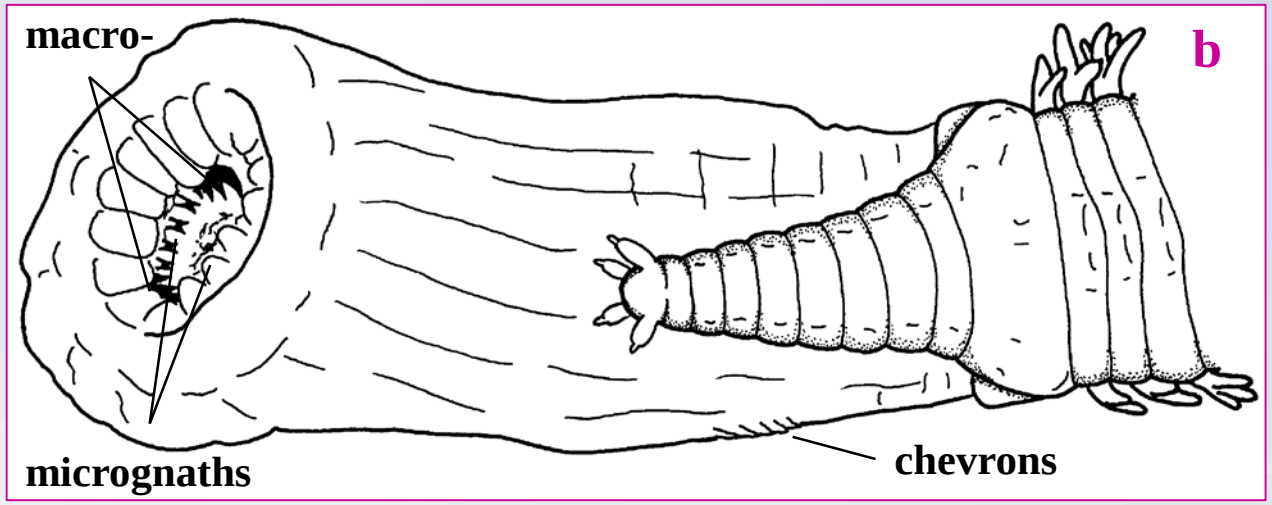
Key for specimens with **everted** proboscis

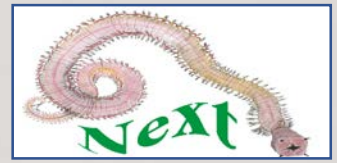


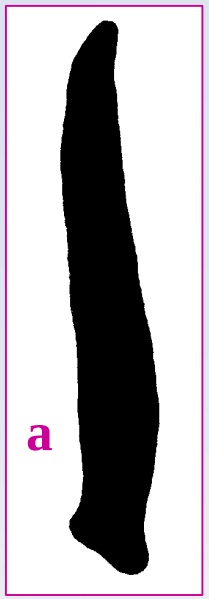


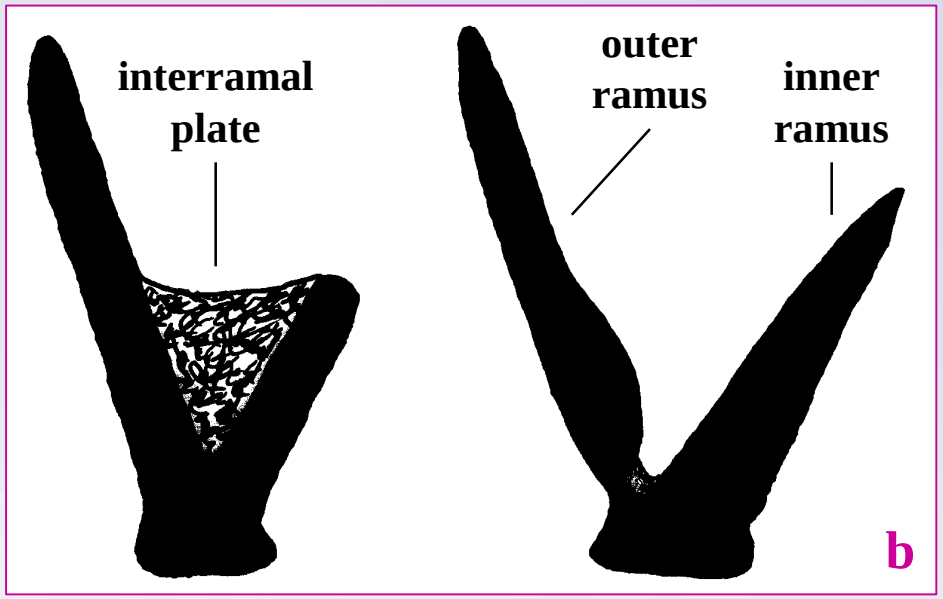


1a. Terminal part of proboscis with four hook-shaped jaws arranged in a cross, with accessory jaw plates (ailerons) 2

1b. Terminal part of proboscis with ring of usually two macrognaths and a variable number of ventral and/or dorsal micrognaths, additional jaw pieces (chevrons) might be present 47

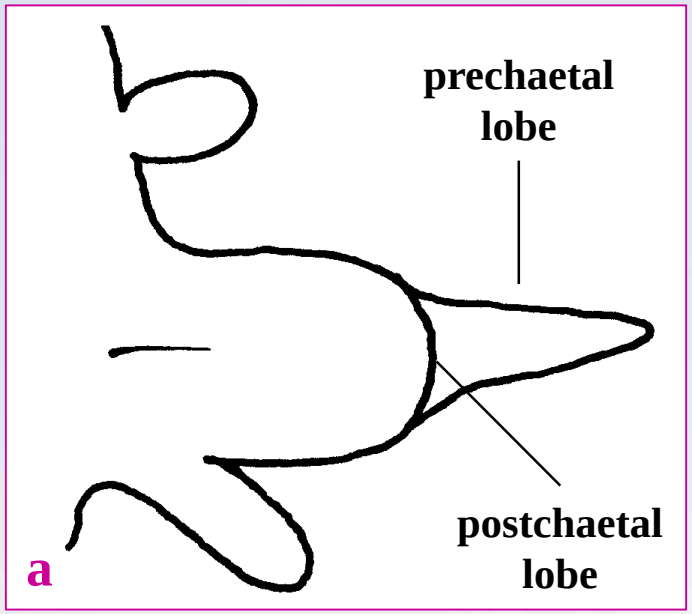


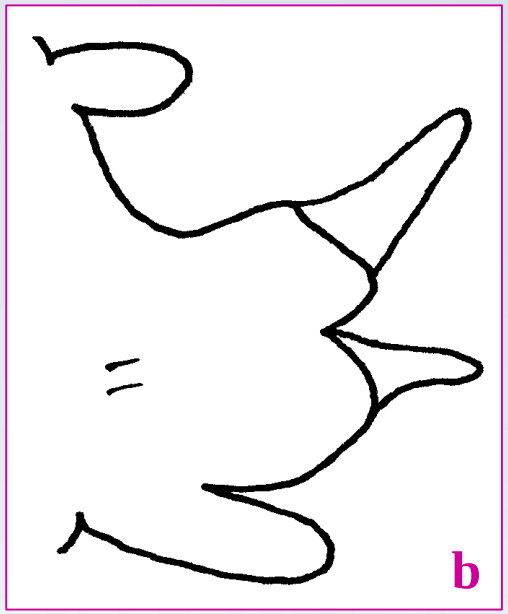




2a. Ailerons consist of one ramus (rod-like); branchiae absent 3

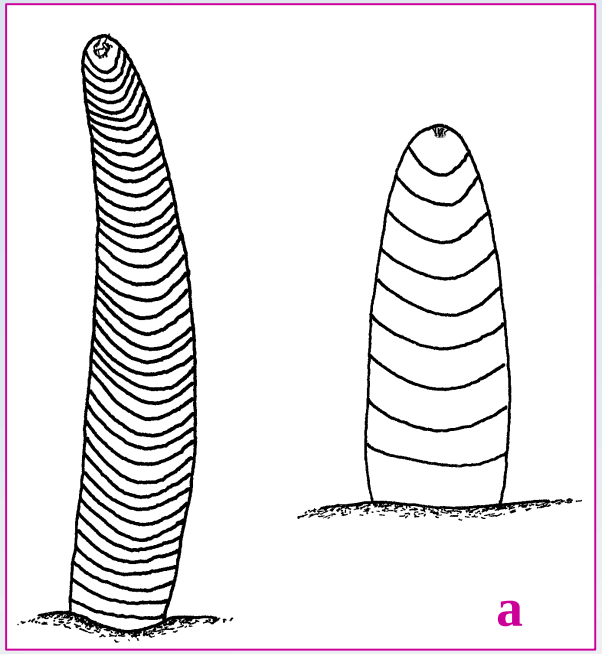
2b. Ailerons consist of outer and inner rami with or without interramal plate; prostomium consisting of more than five rings, appendages relatively short; usually first two parapodia uniramous, following parapodia biramous with two prechaetal and one or two postchaetal lobes; branchiae present or absent; notopodia with simple capillaries, neuropodia with spinigerous compound chaetae 8

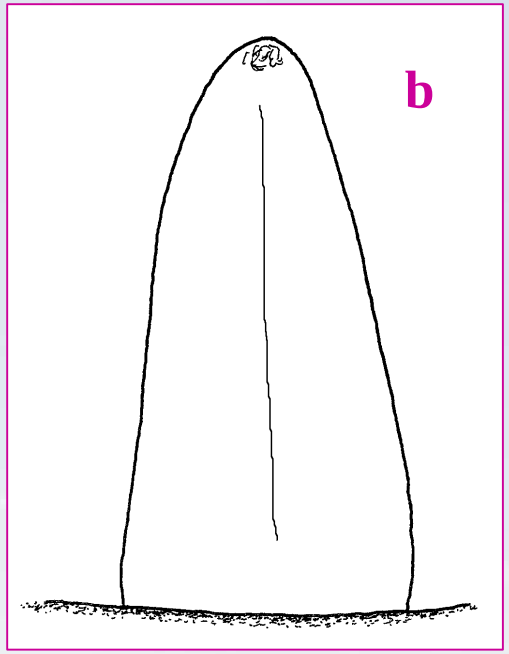




3a. All parapodia uniramous with one prechaetal and one postchaetal lobe; prostomium consisting of more than five rings, appendages relatively short; notopodia absent, neuropodia with spinigerous compound chaetae **4**

3b. First two parapodia uniramous, following parapodia biramous with two prechaetal and two postchaetal lobes; prostomium consisting of four rings, appendages relatively long; notopodia with simple capillaries, neuropodia with spinigerous and falcigerous compound chaetae ..... ***Glycerella magellanica*** (MCINTOSH, 1885)

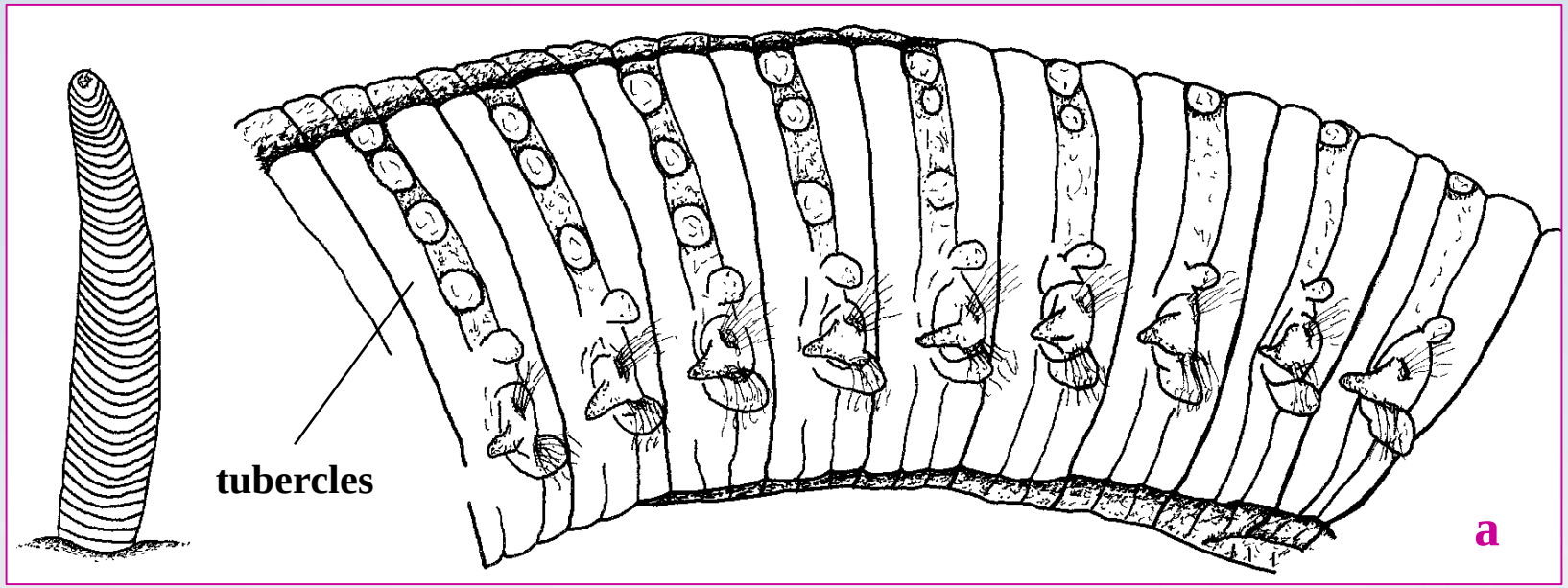


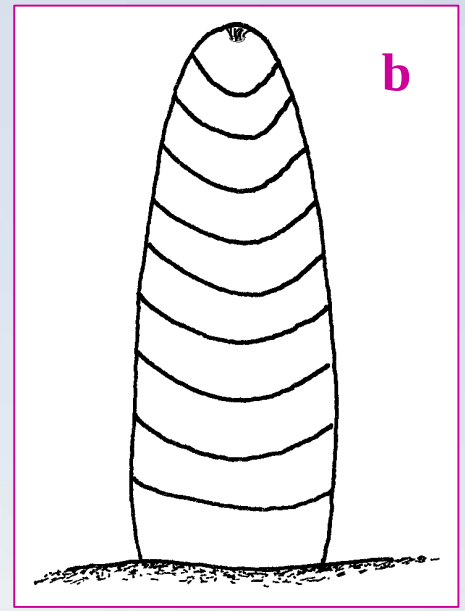


4a. Proboscidial papillae with numerous U-shaped ridges 5

4b. Proboscidial papillae only with a more or less distinctly straight, median, longitudinal ridge; anterior ventral cirri conical, posterior ones elongated and more slender triangular to digitiform .....

..... ***Hemipodia simplex*** (GRUBE, 1857)

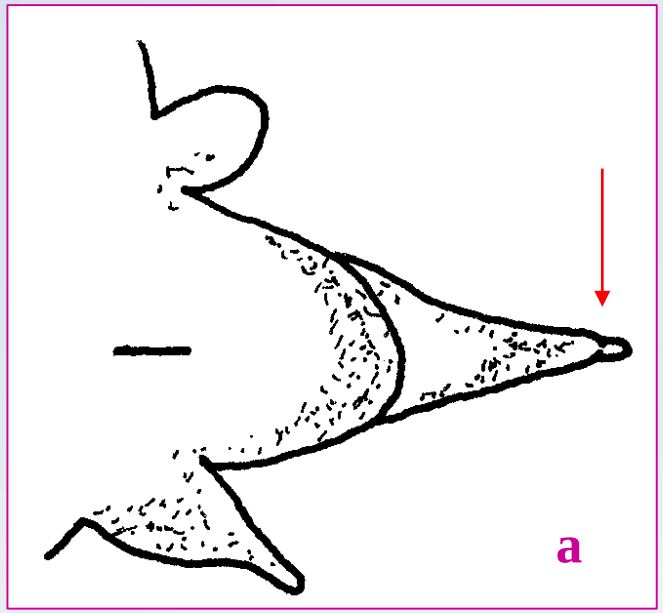


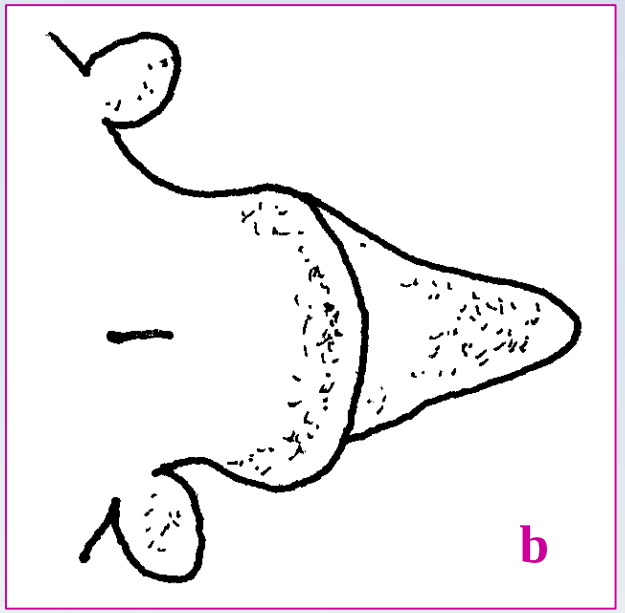


5a. Digitiform proboscidial papillae with numerous (usually >20) ridges; anterior segments of adult specimens with more or less distinct tubercles on dorsal side **6**

5b. Conical proboscidial papillae with about 9-18 ridges; anterior segments without tubercles; anterior ventral cirri conical, posterior ones elongated and more slender triangular to digitiform .....

..... ***Hemipodia yenourensis*** (IZUKA, 1912)

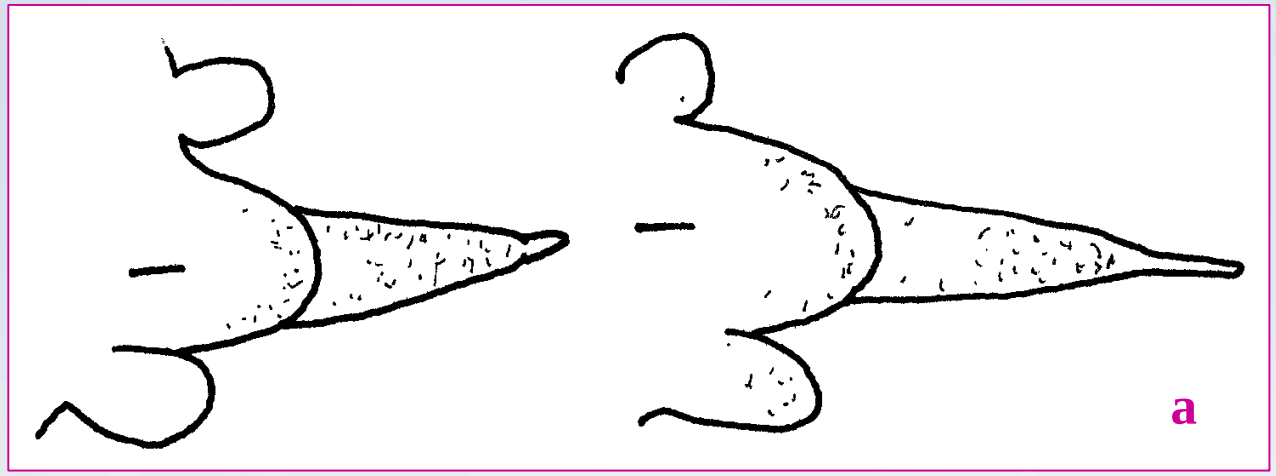


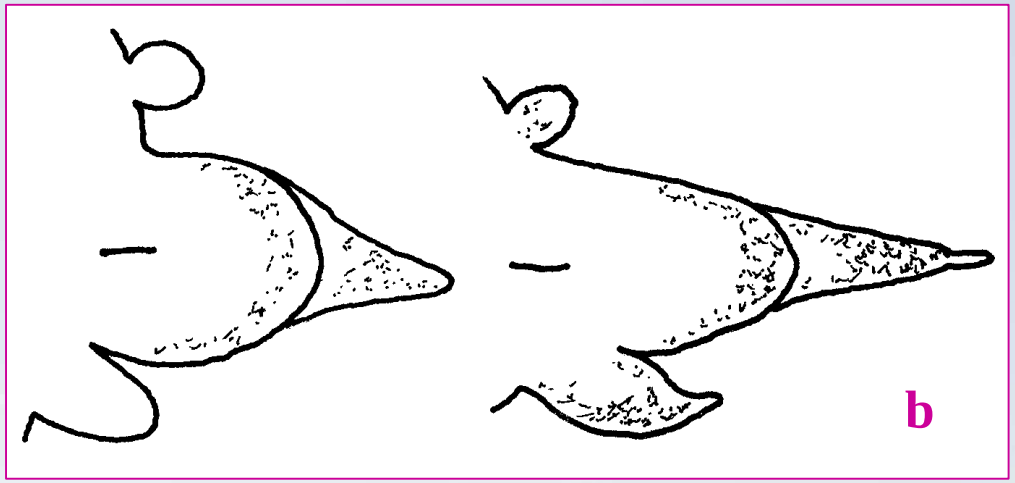


6a. Prechaetal lobes slender triangular to digitiform with small digitate distal process 7

6b. Prechaetal lobes in mid-body relatively broad and more or less triangular without small digitate distal process; all ventral cirri conical to oval; digitiform proboscidial papillae with about 9-40 ridges .....

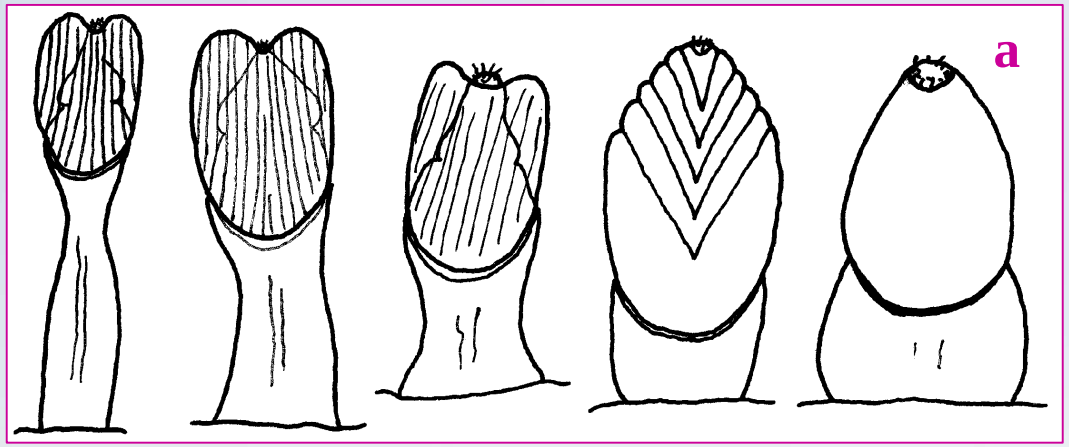
Hemipodia californiensis (HARTMAN, 1938)

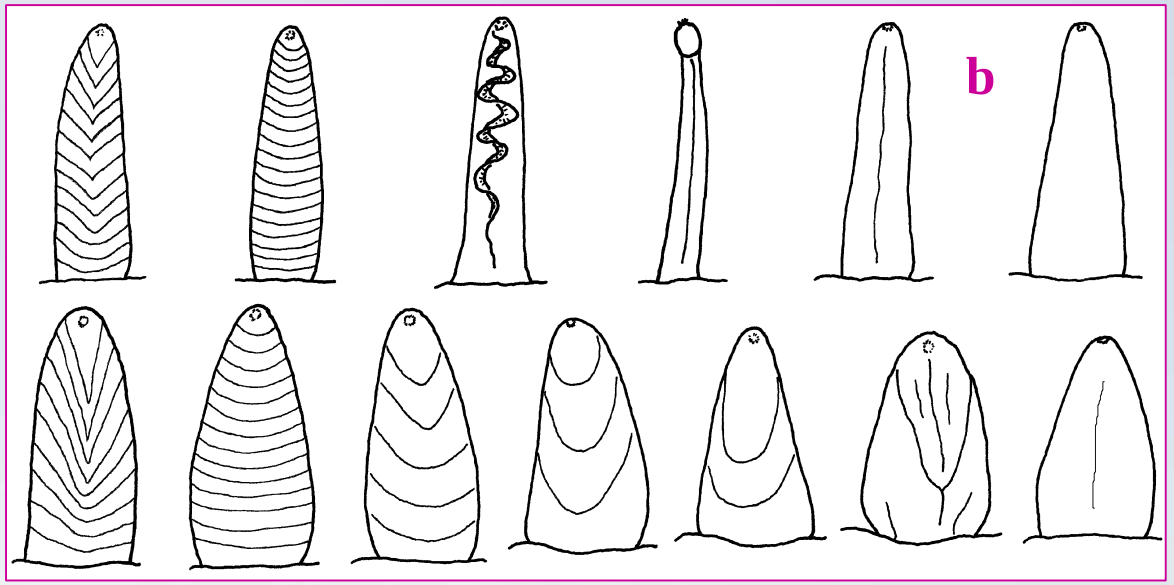




7a. Digitate distal process on prechaetal lobes starting from anterior parapodia; all ventral cirri conical to oval; digitiform proboscidial papillae with about 15-34 ridges ..... ***Hemipodia armata*** (HARTMAN, 1950)

7b. Digitate distal process on prechaetal lobes starting from mid-body; anterior ventral cirri conical, posterior ones elongated and more slender triangular to digitiform; digitiform proboscidial papillae with about 14-40 ridges ..... ***Hemipodia pustatula*** (FRIEDRICH, 1956)





8a. (2) Proboscidial papillae with terminal fingernail structure 9

8b. Proboscidial papillae without terminal fingernail structure 19

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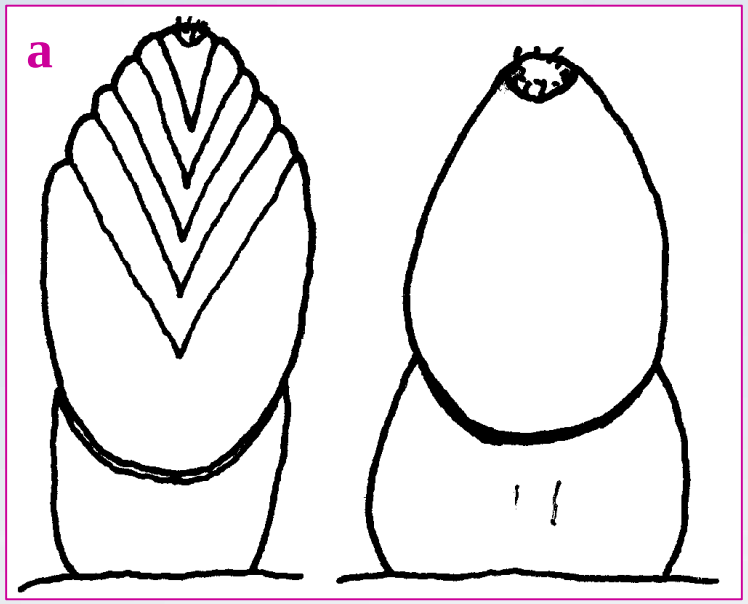

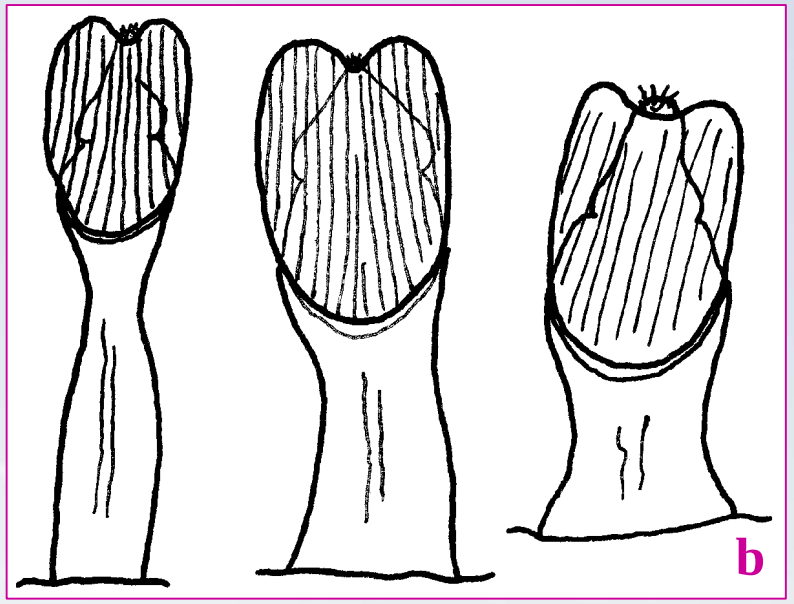

9a. Proboscidial papillae with short stalk and without or a few V-shaped terminal ridges on nail **10**

9b. Proboscidial papillae with different long stalk and some longitudinal ridges on nail **11**

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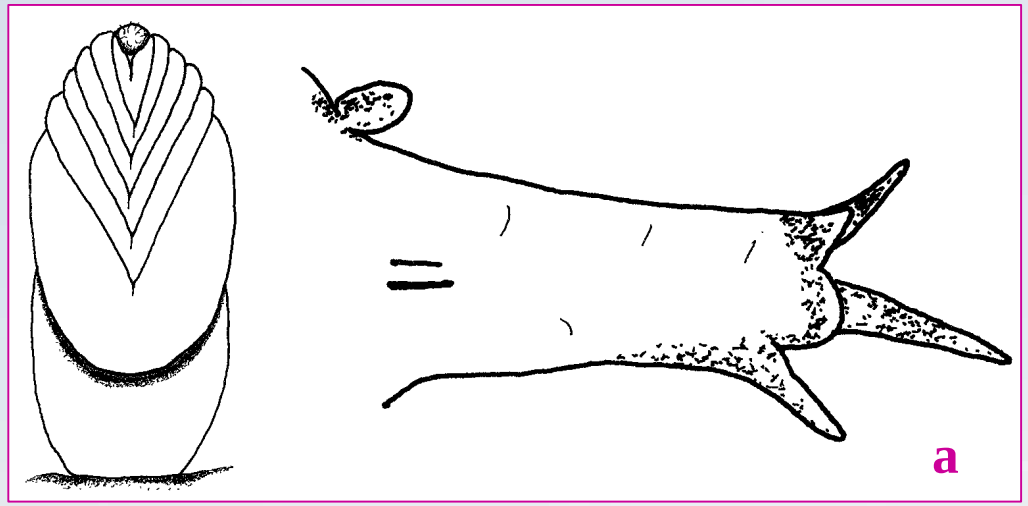
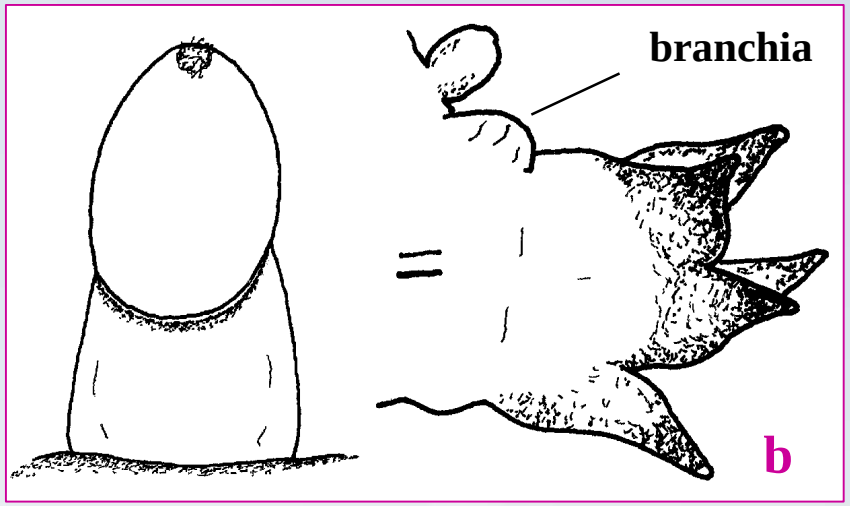


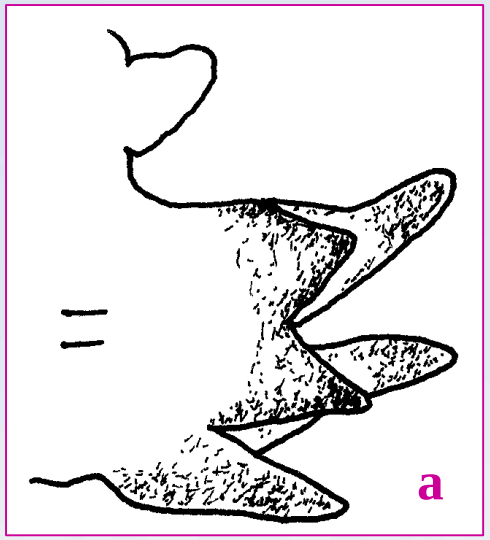


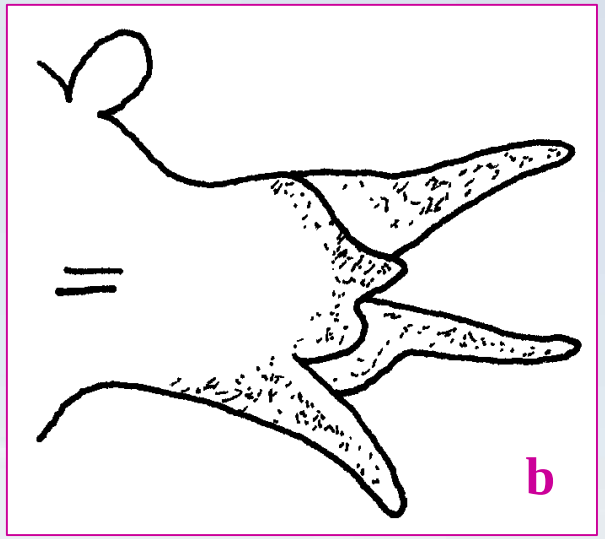
10a. Proboscidial papillae with 4-6 V-shaped terminal ridges on nail; parapodia of mid-body with slender triangular notopodial and shorter, more or less rounded neuropodial postchaetal lobes; parapodia without branchiae.....

.....***Glycera gilbertae*** BÖGGEMANN & FIEGE, 2001

10b. Proboscidial papillae without ridges on nail; parapodia of mid-body with two slender triangular postchaetal lobes of about same length; blister-like branchiae (non-retractile), situated dorsally on parapodial bases.....

.....***Glycera lamelliformis*** MCINTOSH, 1885





11a. (9) Parapodia of mid-body with two slender triangular postchaetal lobes of about same length 12

11b. Parapodia of mid-body with slender triangular notopodial and shorter, more or less rounded neuropodial postchaetal lobes 13

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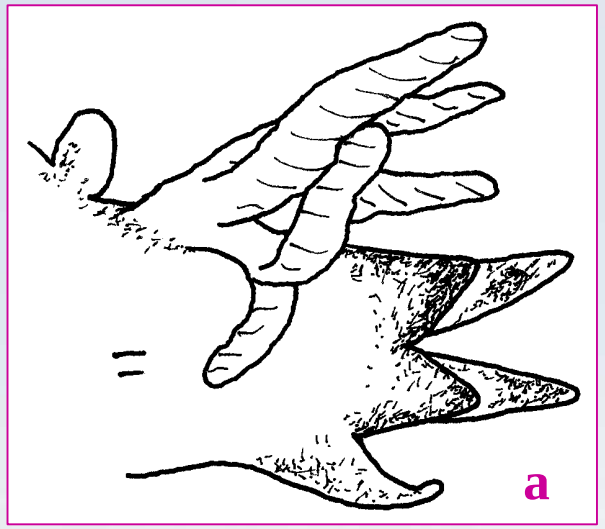
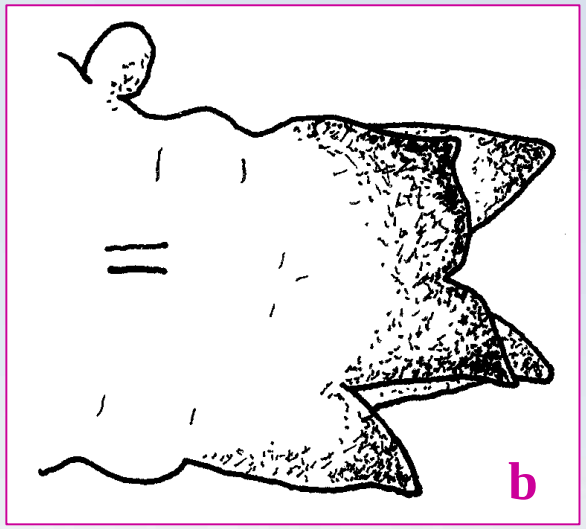
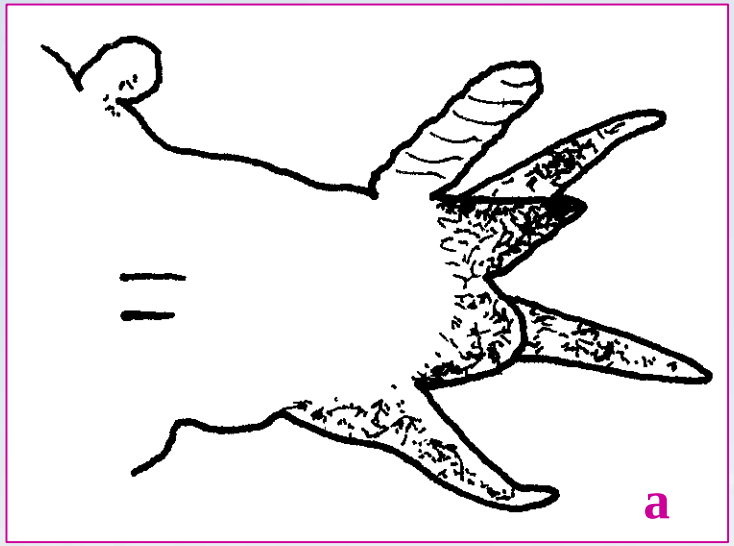
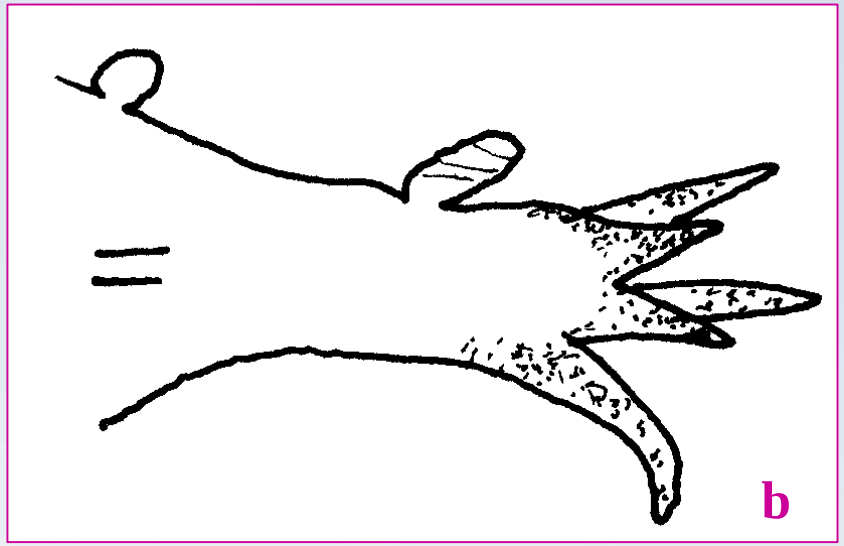




12a. 1-5 digitiform branchial rami (non-retractile), situated dorsally on parapodial bases ..... ***Glycera cinnamomea*** GRUBE, 1874

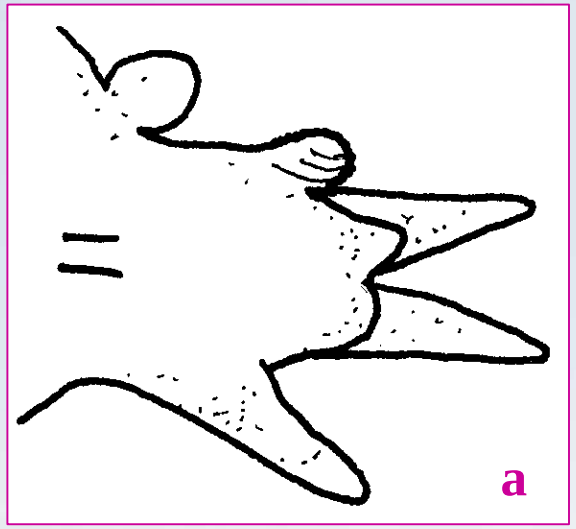
12b. Parapodia without branchiae ..... ***Glycera onomichiensis*** IZUKA, 1912

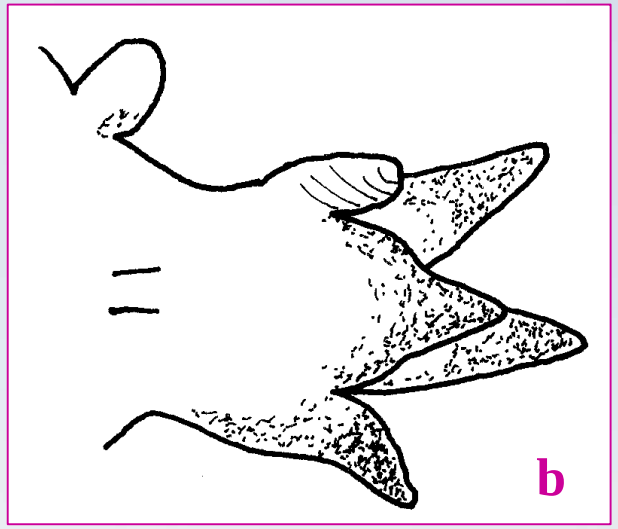




13a. (**11**) In mid-body and posterior parapodia neuropodial postchaetal lobes more or less rounded; non-retractile branchiae situated termino-dorsally on parapodia **14**

13b. In posterior parapodia neuropodial postchaetal lobes as long as notopodial lobes and equally slender triangular; non-retractile branchiae situated medio-dorsally on parapodia ..... ***Glycera posterobranchia*** HOAGLAND, 1920

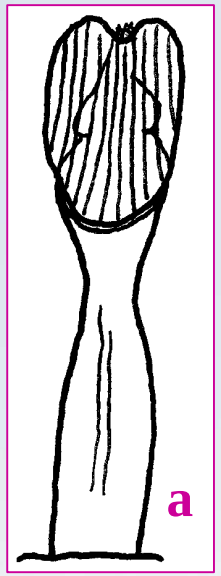


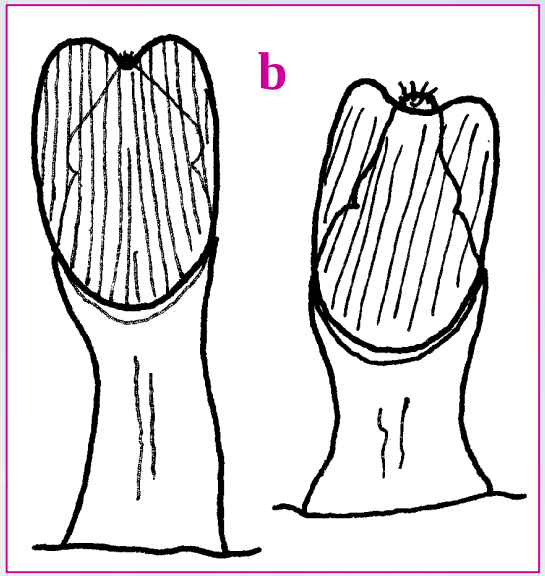


14a. All biramous parapodia with two postchaetal lobes **15**

14b. In anterior parapodia only one, medially inserted, slender triangular postchaetal lobe .....

..... ***Glycera macrobranchia*** (MOORE, 1911)





15a. Proboscidial papillae with long stalk **16**

15b. Proboscidial papillae with medium-length or short stalk **17**

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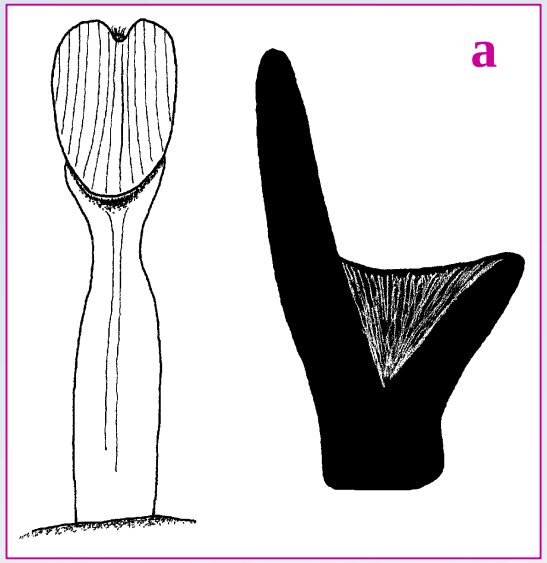
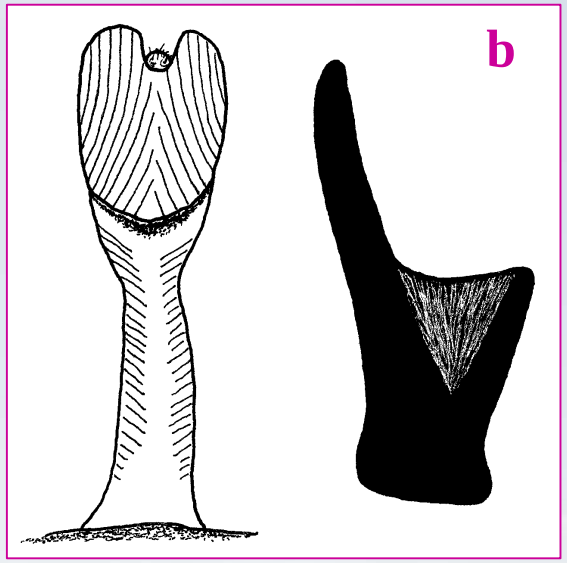
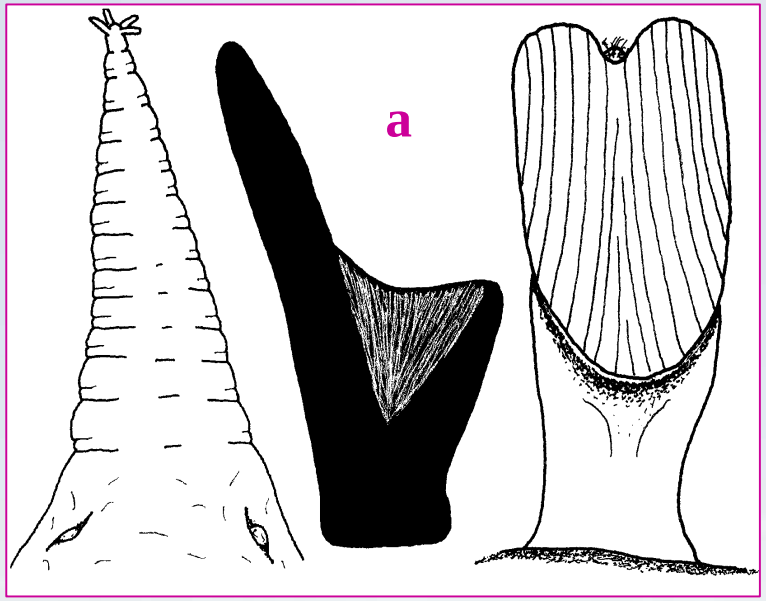
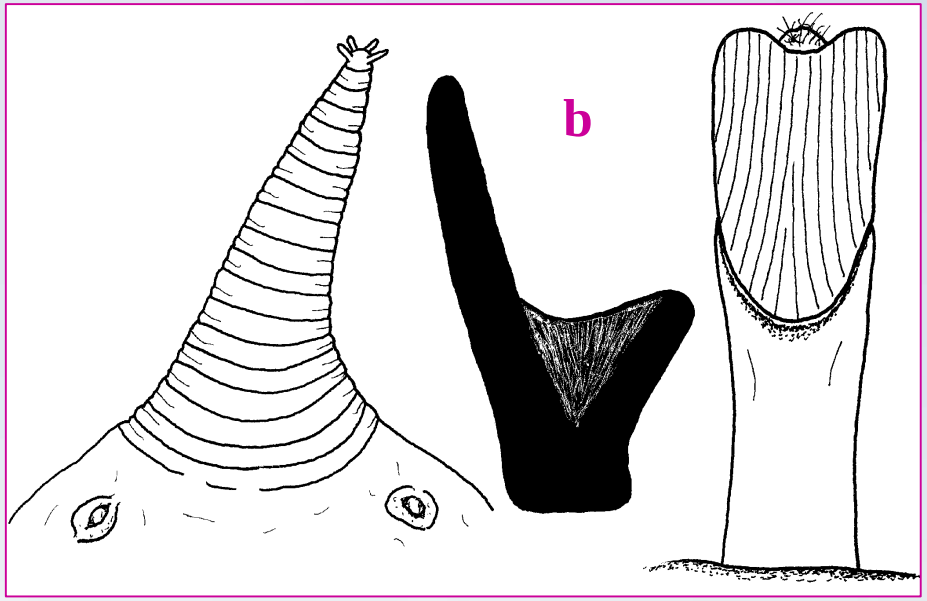




16a. Stalk without ridges; ailerons with pointed triangular bases ..... ***Glycera alba*** (O.F. MÜLLER, 1776)

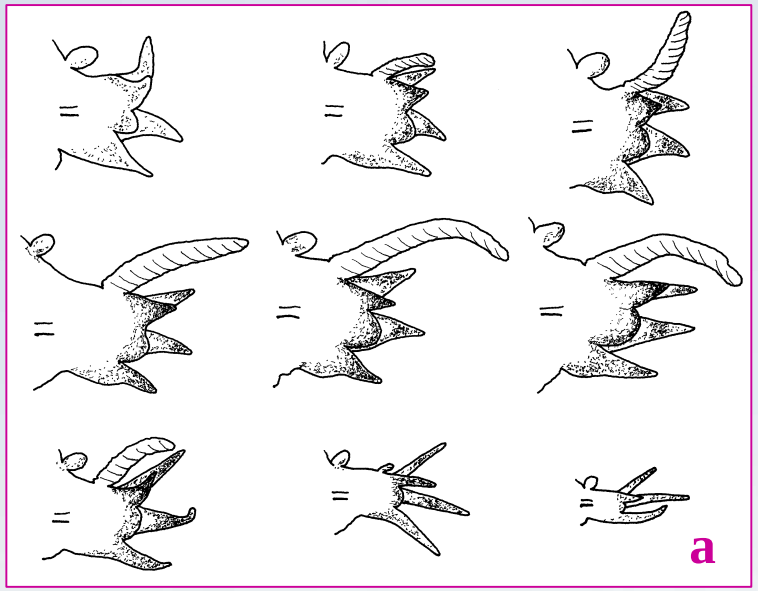
16b. Stalk with numerous ridges; ailerons with triangular bases ..... ***Glycera natalensis*** DAY, 1957

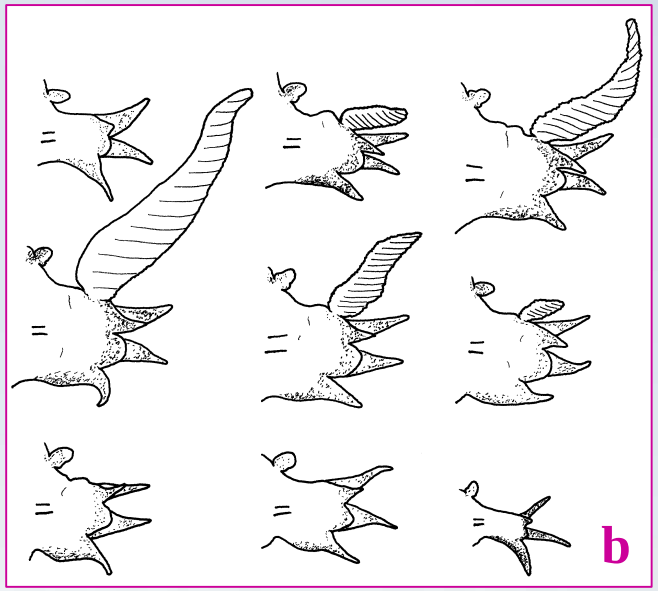




17a. (15) Prostomium consisting of about 11-15 rings; ailerons with triangular bases; proboscidial papillae with short stalk **18**

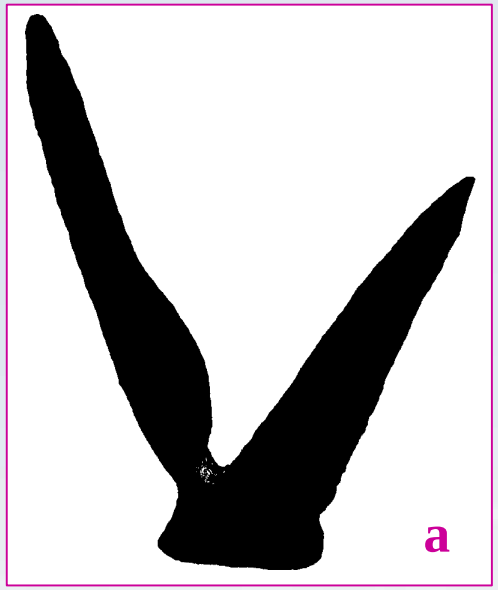
17b. Prostomium consisting of about 19-28 rings; ailerons with pointed triangular bases; proboscidial papillae with medium-length to short stalk ..... ***Glycera africana*** ARWIDSSON, 1899

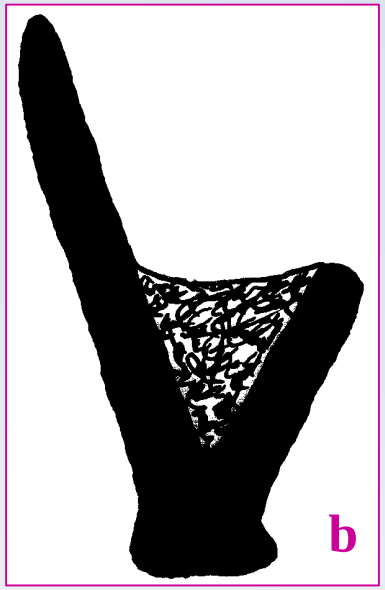




18a. Branchiae from anterior to near posterior end ..... ***Glycera tridactyla*** SCHMARDA, 1861

18b. Branchiae limited to anterior half of body ..... ***Glycera prosobranchia*** BÖGGEMANN & FIEGE, 2001





19a. (**8**) Ailerons consisting of outer and inner ramus with deeply incised base **20**

19b. Ailerons consisting of outer and inner ramus with interramal plate **24**

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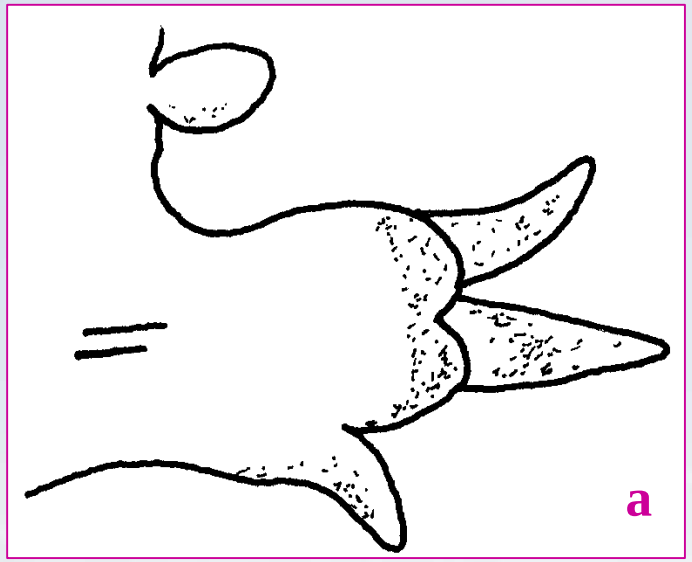
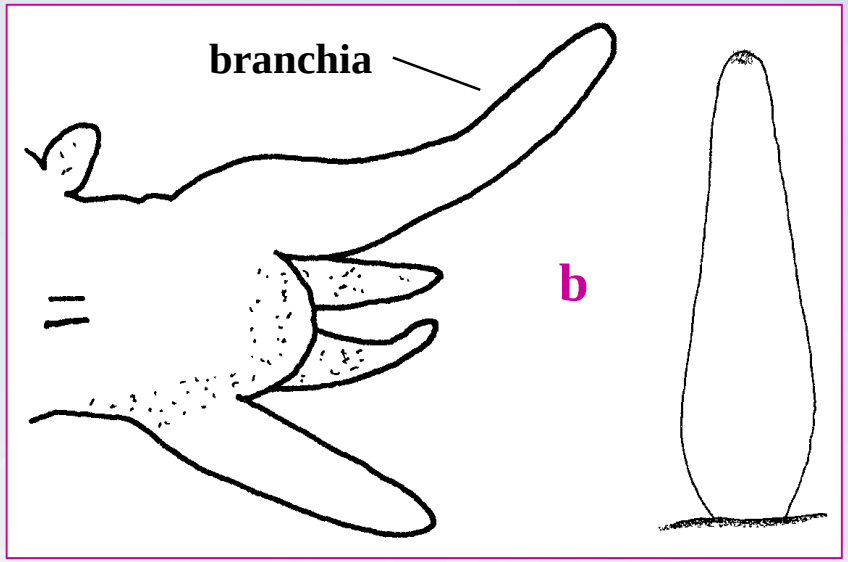
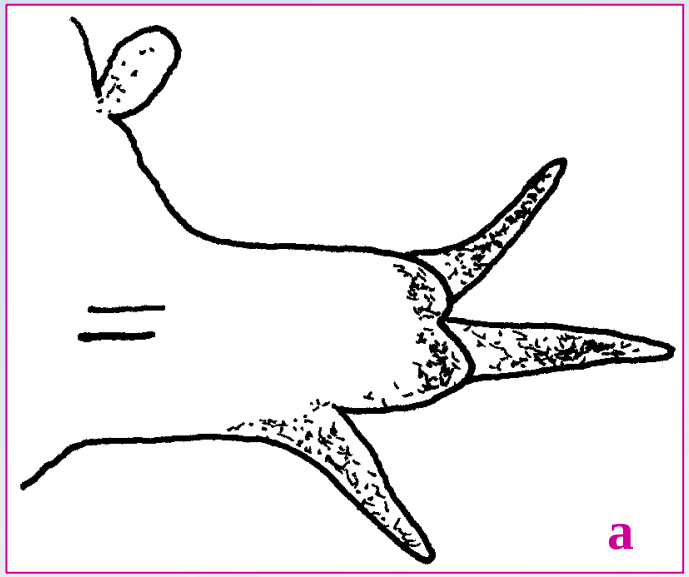
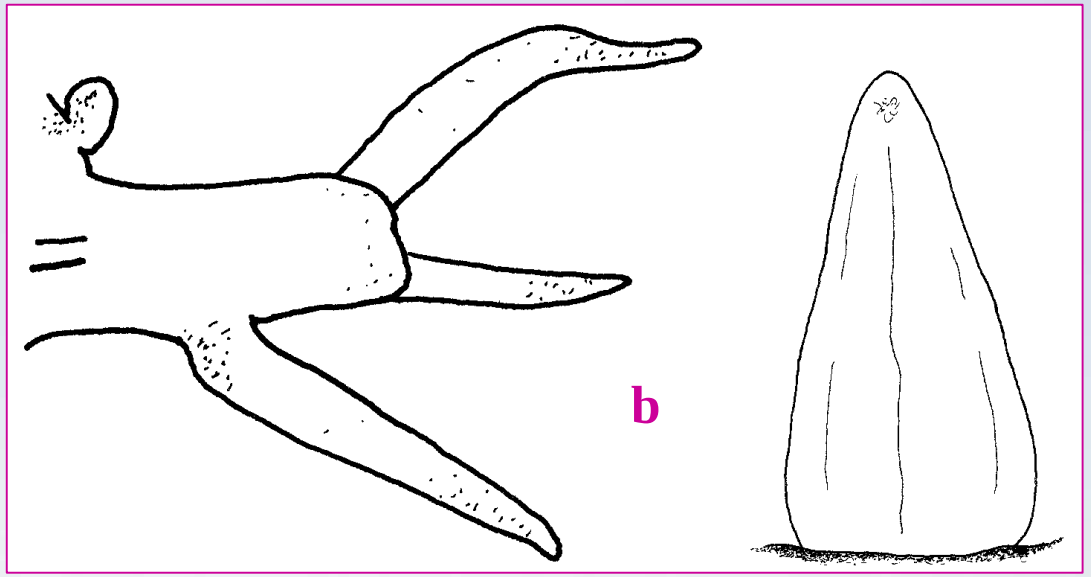




20a. Branchiae absent; two short, rounded postchaetal lobes **21**

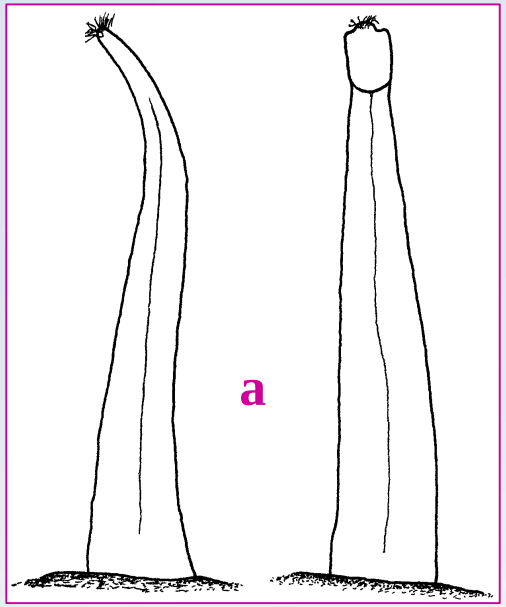
20b. Simple, digitiform branchiae, situated termino-dorsally on parapodia; one short, rounded postchaetal lobe on all parapodia; digitiform proboscidial papillae without ridges ..... ***Glycera sphyrabrancha*** SCHMARDA, 1861

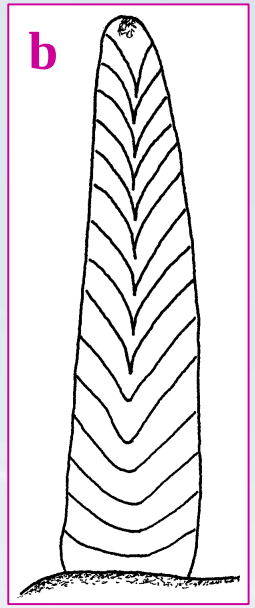




21a. Neuropodial prechaetal lobes slightly longer or as long as notopodial ones; digitiform proboscidial papillae present **22**

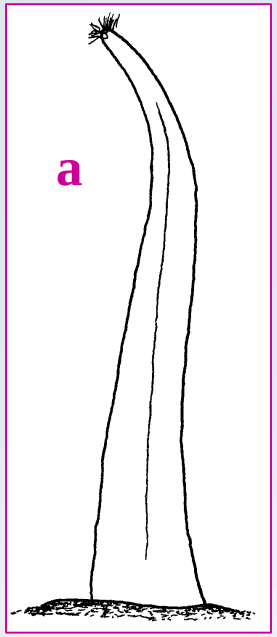
21b. From mid-body notopodial prechaetal lobes distinctly longer than neuropodial ones; conical proboscidial papillae with a straight, median, longitudinal ridge ..... ***Glycera guatemalensis*** BÖGGEMANN & FIEGE, 2001

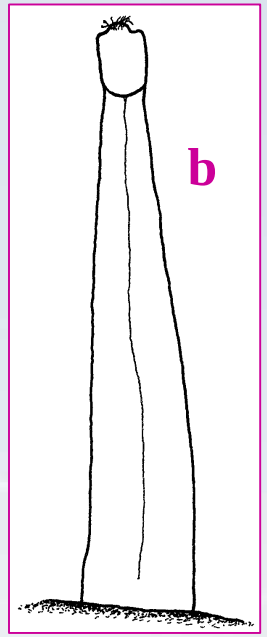




22a. Digitiform proboscidial papillae with a straight, median, longitudinal ridge **23**

22b. Digitiform proboscidial papillae with about 6-22 transverse ridges ..... ***Glycera brevicirris*** GRUBE, 1870

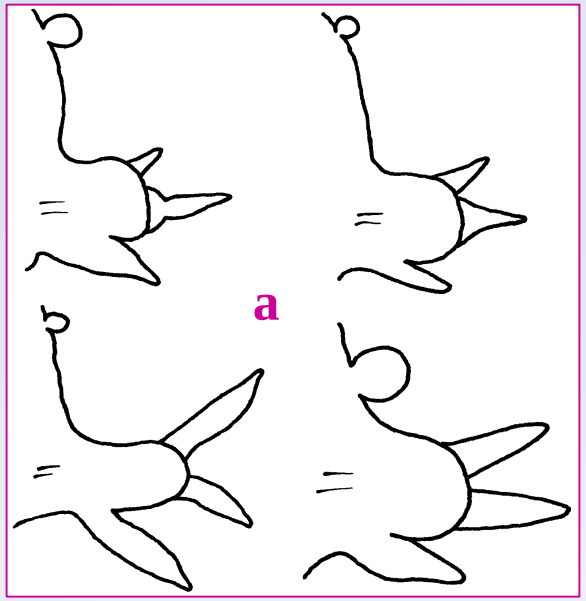


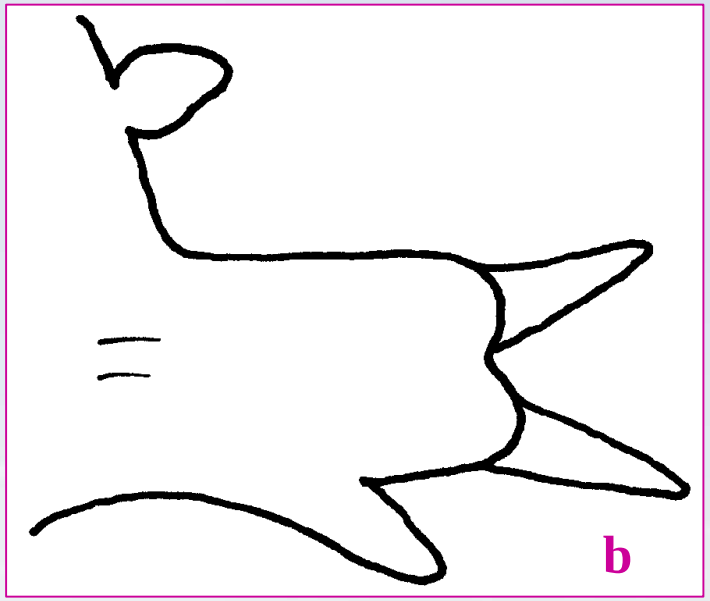


23a. Digitiform proboscidial papillae with a longitudinal ridge only ..... ***Glycera tesselata*** GRUBE, 1863

23b. Digitiform proboscidial papillae with an additional single, terminal, U-shaped ridge .....

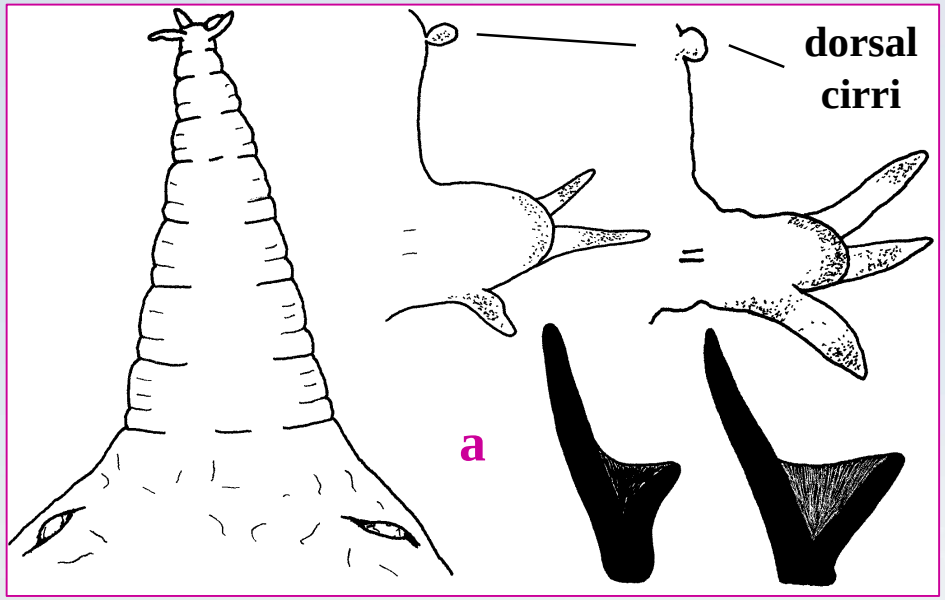
..... ***Glycera benhami*** BÖGGEMANN & FIEGE, 2001

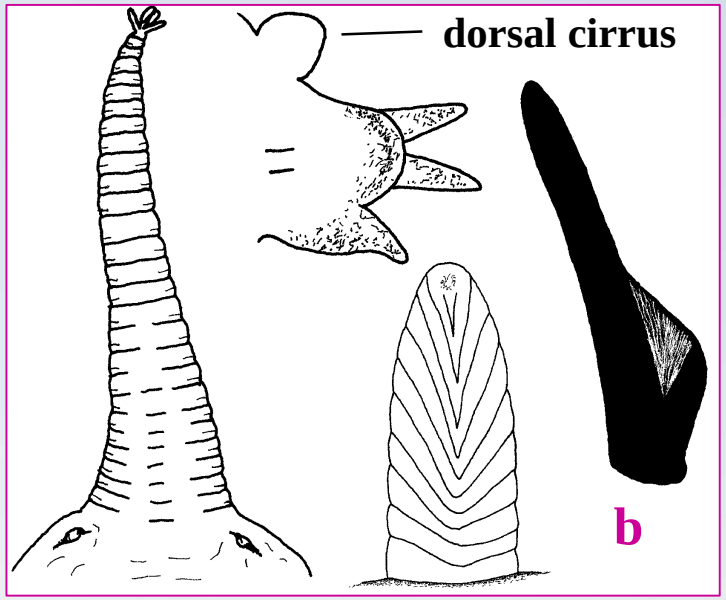




24a. (19) One postchaetal lobe on all parapodia 25

24b. Two postchaetal lobes at least on parapodia from mid-body 29

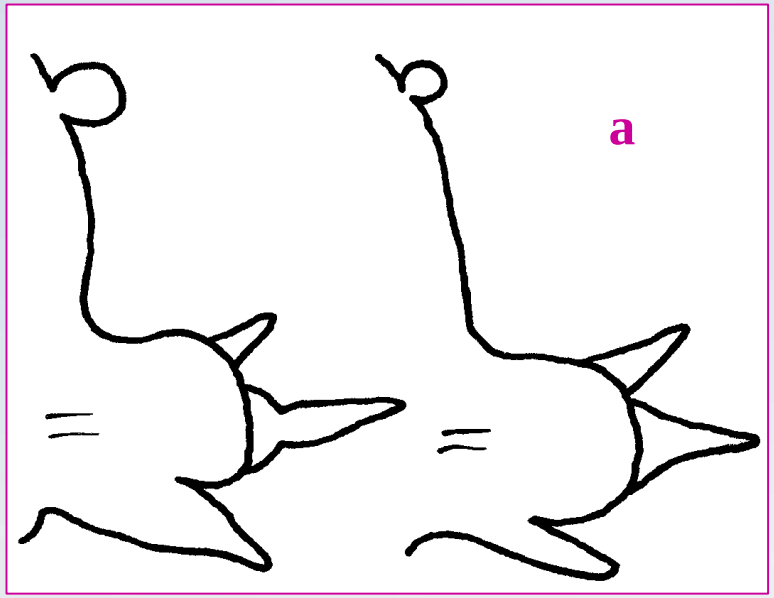


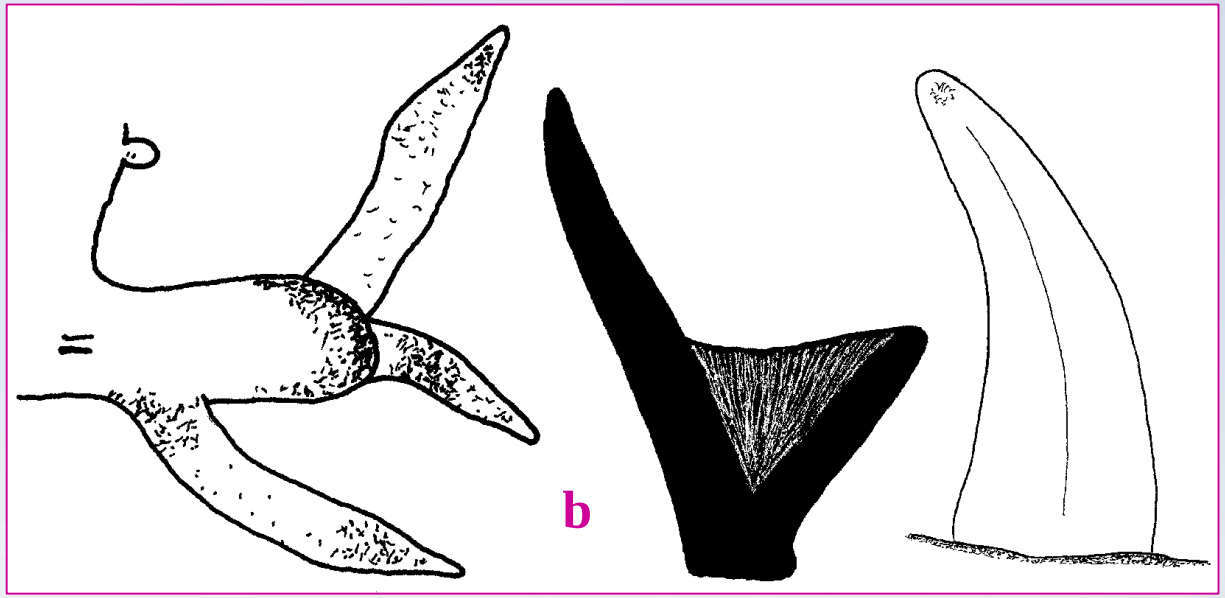


25a. Conical prostomium consisting of about 8-12 rings; dorsal cirri inserted - most clearly in anterior part of body - on body wall far above parapodial bases; ailerons with triangular to pointed triangular bases **26**

25b. Long, conical prostomium consisting of about 20-28 rings; dorsal cirri inserted near parapodial bases; ailerons with slightly arched bases; conical proboscidial papillae with about 5-20 transverse ridges; prechaetal lobes of about same length or neuropodial lobes slightly longer than notopodial ones .....

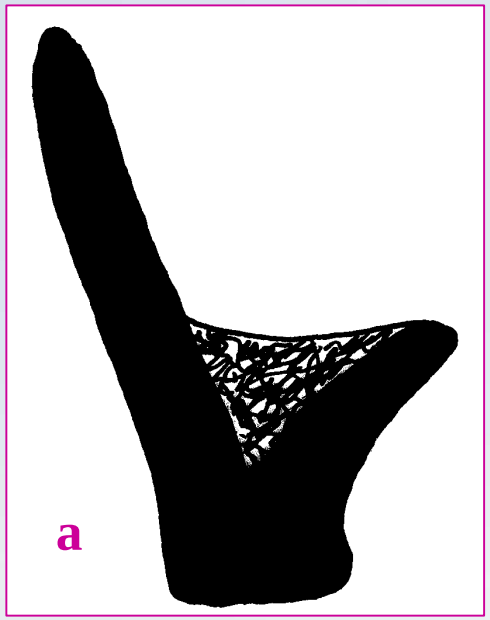
..... ***Glycera oxycephala*** EHLERS, 1887

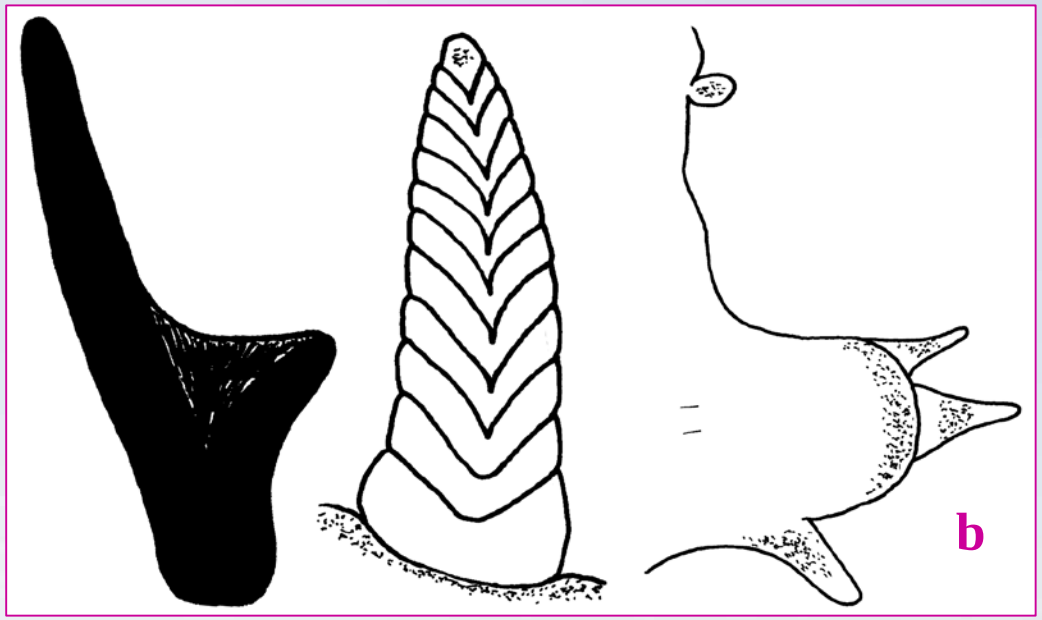




26a. In mid-body notopodial prechaetal lobes distinctly shorter than neuropodial ones **27**

26b. In mid-body notopodial prechaetal lobes usually distinctly longer than neuropodial ones (sometimes of about equal length); ailerons with pointed triangular bases; digitiform proboscidial papillae with a straight, median, longitudinal ridge ..... ***Glycera branchiopoda*** MOORE, 1911

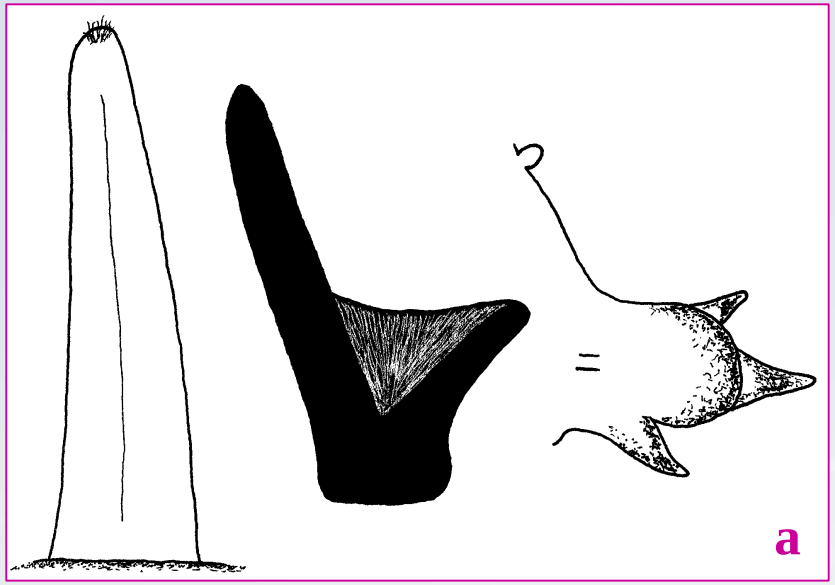


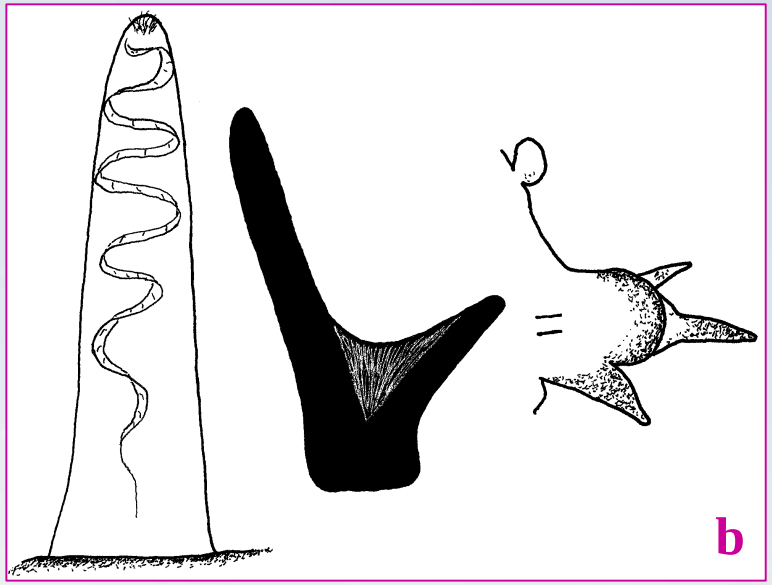


27a. Ailerons with pointed triangular bases **28**

27b. Ailerons with triangular bases; digitiform proboscidial papillae with about 7-15 transversal ridges; notopodial prechaetal lobes slightly shorter than neuropodial lobes .....

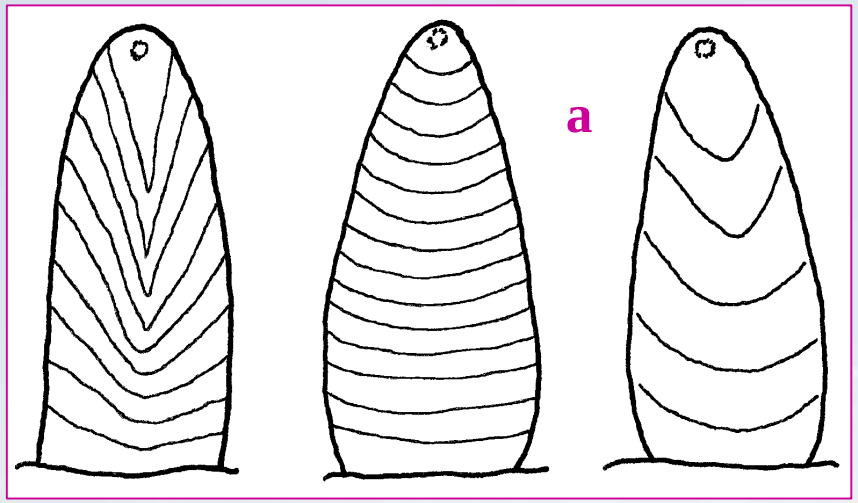
..... ***Glycera noelae*** BÖGGEMANN, BIENHOLD & GAUDRON, 2011

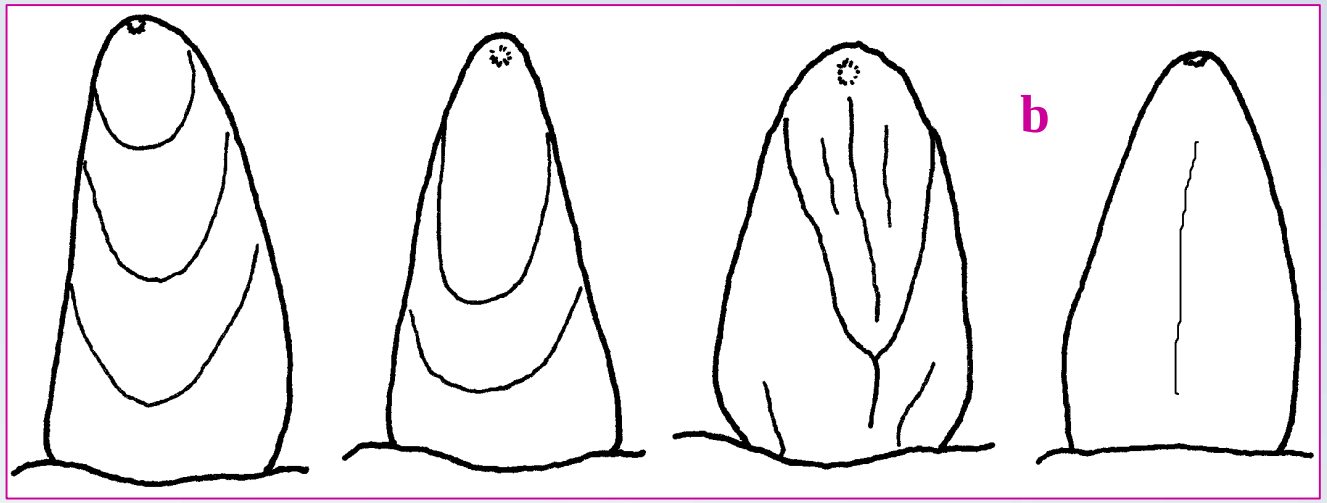




28a. Digitiform proboscidial papillae with a straight, median, longitudinal ridge; ailerons with pointed triangular bases; notopodial prechaetal lobes slightly shorter than neuropodial lobes ..... ***Glycera capitata*** ØRSTED, 1842

28b. Digitiform proboscidial papillae with an undulating ridge; ailerons with slight dent in pointed triangular bases; notopodial prechaetal lobes distinctly shorter than neuropodial lobes ..... ***Glycera lapidum*** QUATREFAGES, 1866





29a. (24) Proboscidial papillae with more than three transverse ridges 30

29b. Proboscidial papillae with up to three transverse ridges or another pattern from a few lines 37

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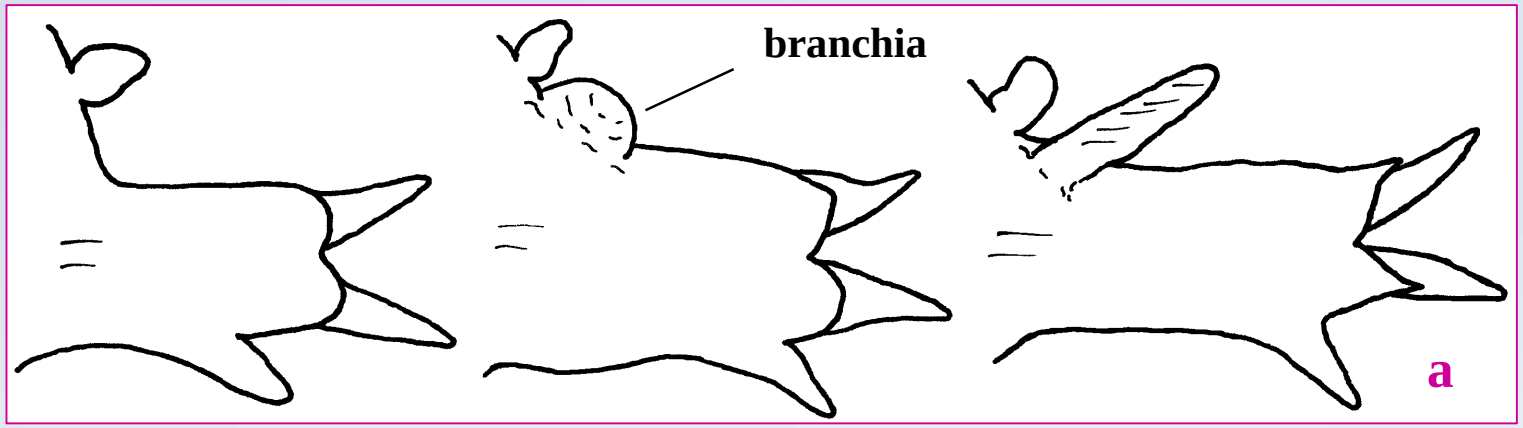
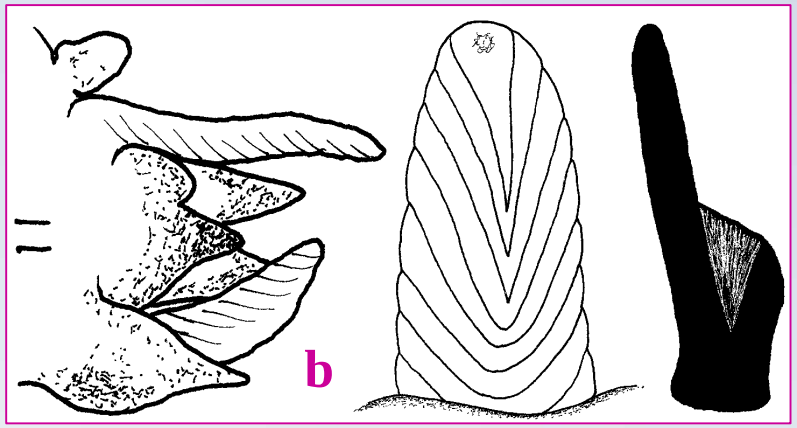
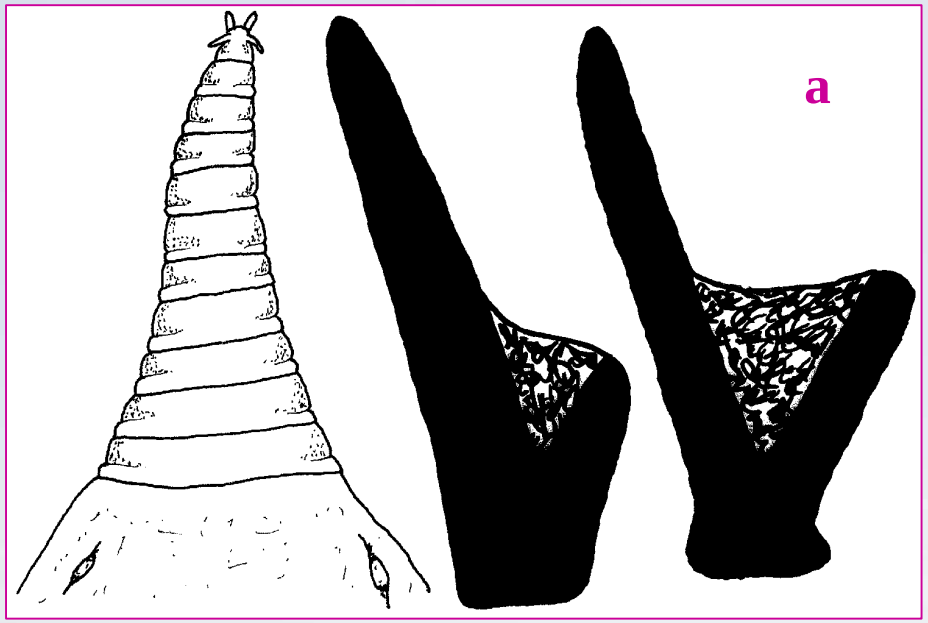
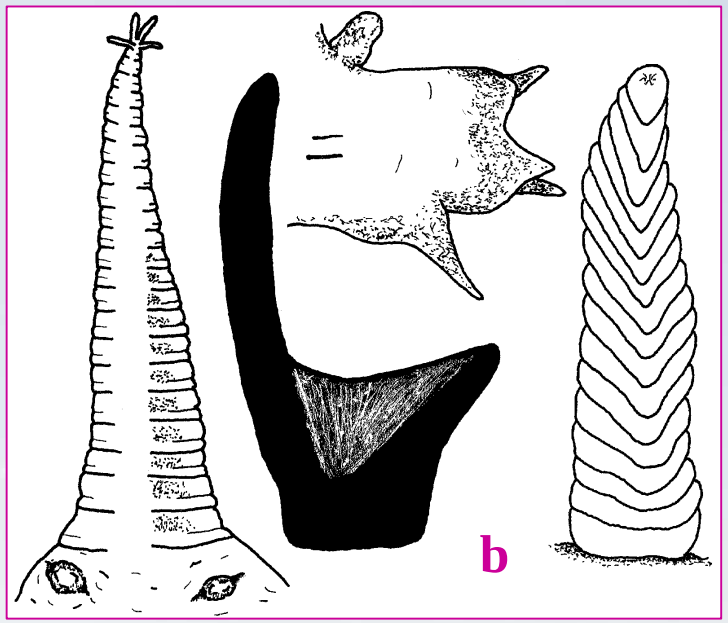




30a. Branchiae absent or situated dorsally near parapodial bases **31**

30b. Two simple, digitiform non-retractile branchiae, situated dorsally and ventrally on parapodial bases; conical proboscidial papillae with 4-8 ridges; ailerons with rounded triangular bases; rounded notopodial and longer, triangular neuropodial postchaetal lobes ..... ***Glycera dibranchiata*** EHLERS, 1868

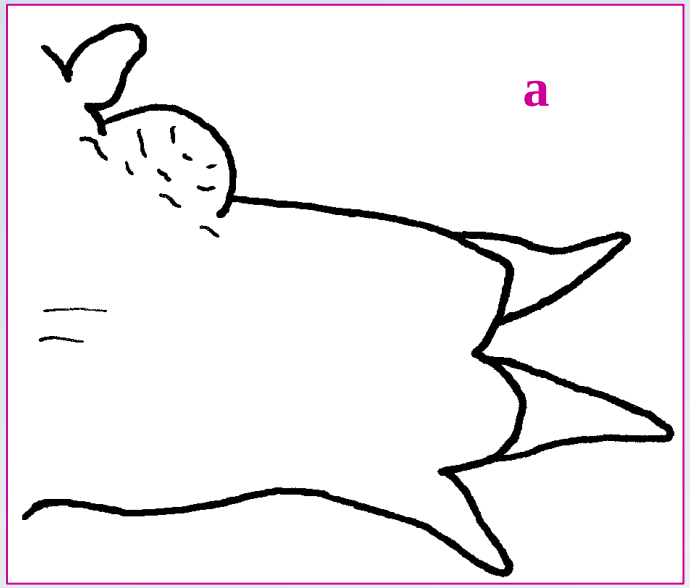


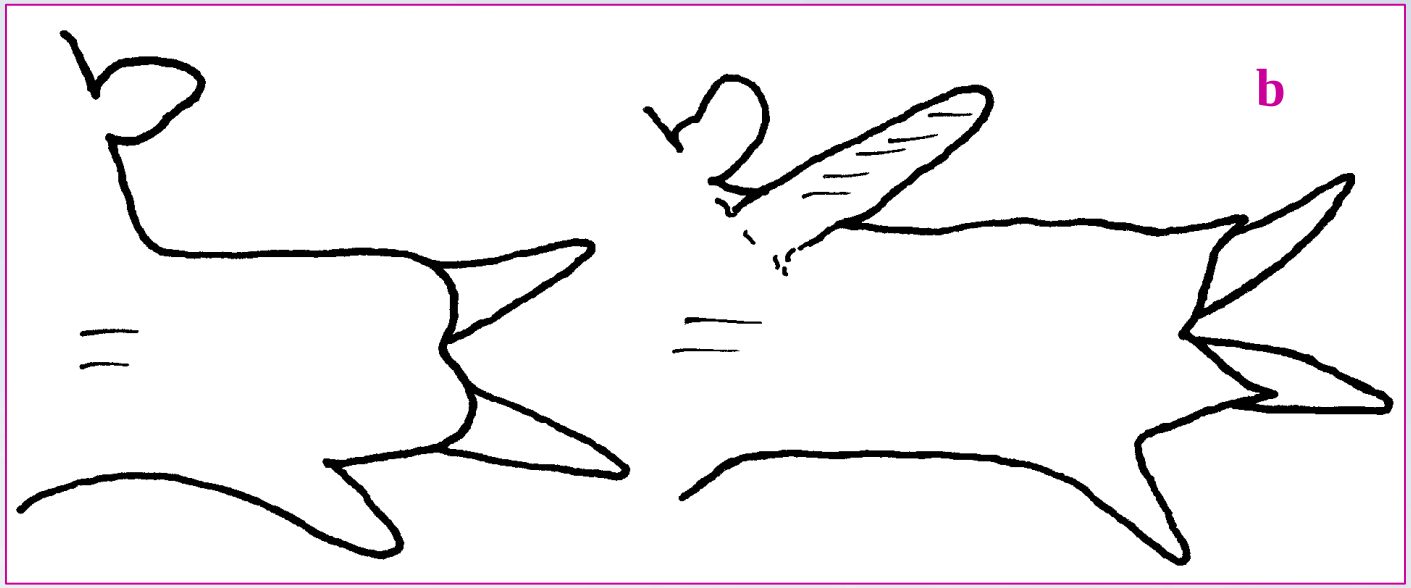


31a. Conical prostomium consisting of about 9-13 rings; ailerons with rounded triangular or triangular bases **32**

31b. Long, conical prostomium consisting of about 20-24 rings; ailerons with pointed triangular bases; digitiform proboscidial papillae with about 10-17 ridges; rounded or more or less blunt triangular notopodial and slightly longer, triangular neuropodial postchaetal lobes; branchiae absent .....

..... ***Glycera bassensis*** BÖGGEMANN & FIEGE, 2001





32a. Non-retractile, blister-like branchiae dorsally of parapodial bases **33**

32b. Branchiae absent or retractile, situated dorsally on posterior side of parapodial bases **34**

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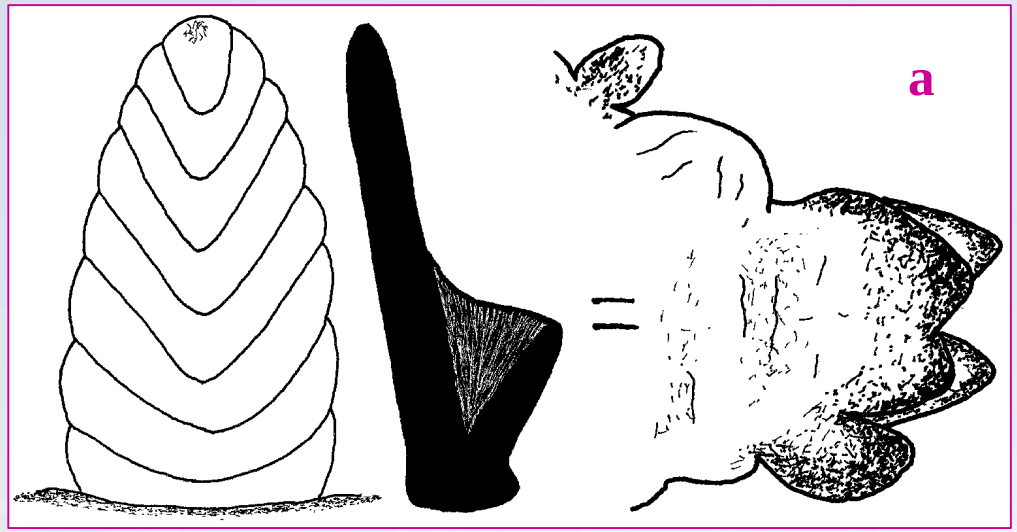
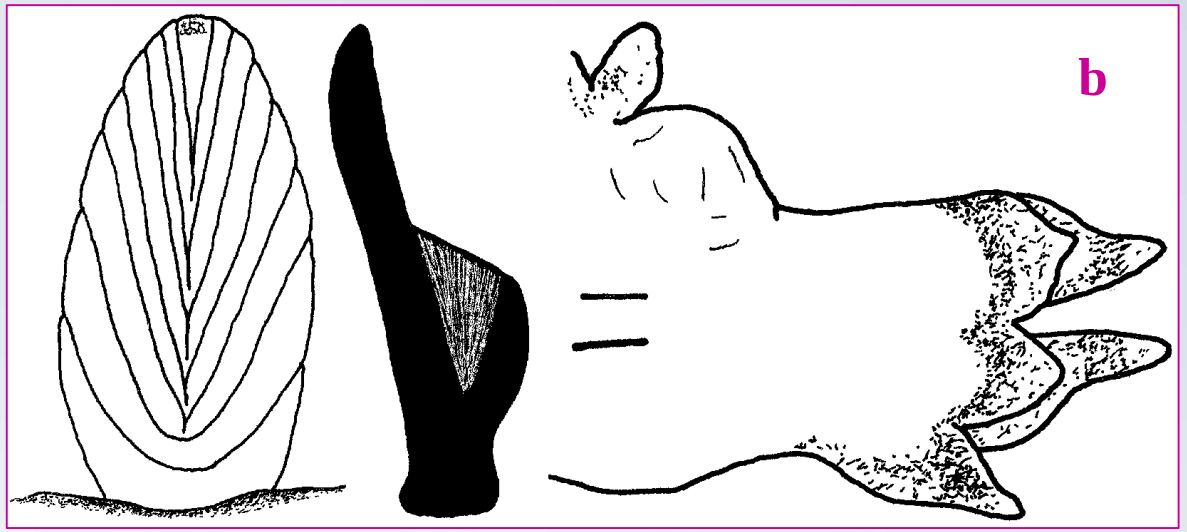
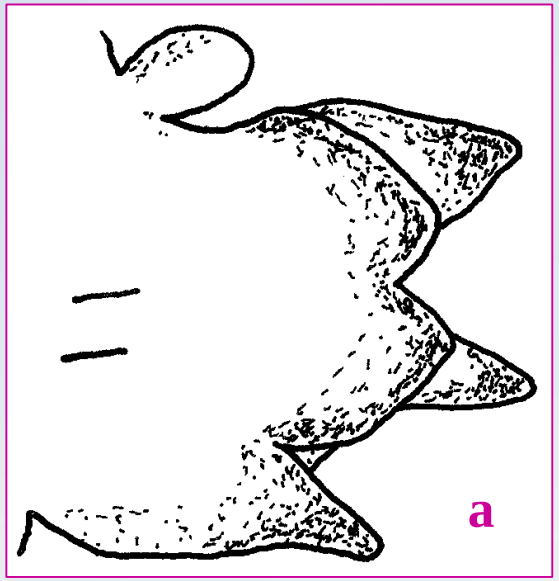
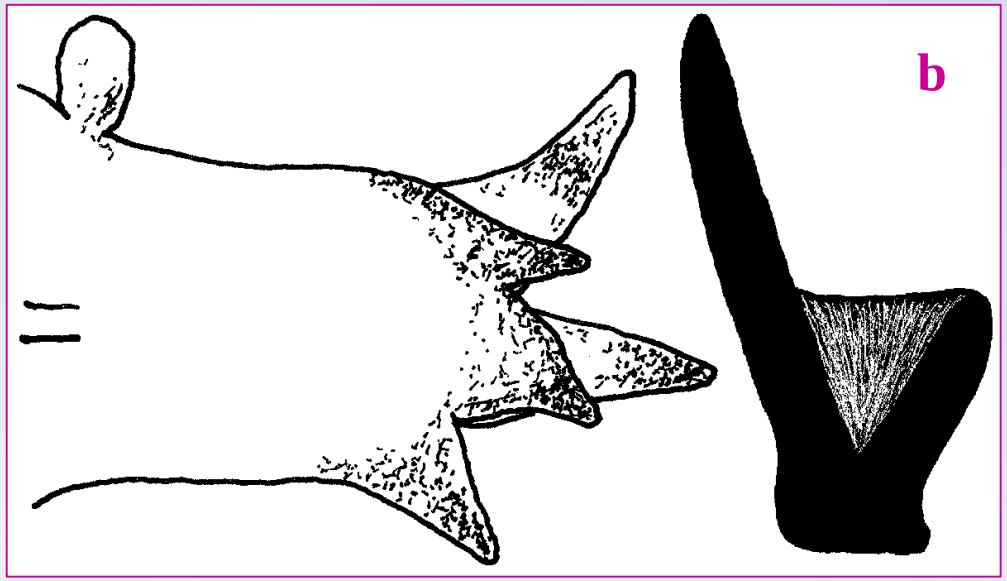




33a. Conical proboscidial papillae with 4-9 U-shaped ridges; ailerons with triangular bases; rounded to blunt triangular notopodial and slightly shorter, more rounded neuropodial postchaetal lobes ..... ***Glycera robusta*** EHLERS, 1868

33b. Conical proboscidial papillae with 4-9 mainly V-shaped ridges; ailerons with rounded triangular bases; more or less distinctly triangular notopodial and shorter, more rounded neuropodial postchaetal lobes ..... ***Glycera pseudorobusta*** BÖGGEMANN & FIEGE, 2001





34a. (32) In mid-body postchaetal lobes of about same length, both rounded to blunt triangular 35

34b. In mid-body notopodial postchaetal lobes slightly or distinctly shorter than neuropodial ones, both more or less distinctly triangular; ailerons with triangular bases 36

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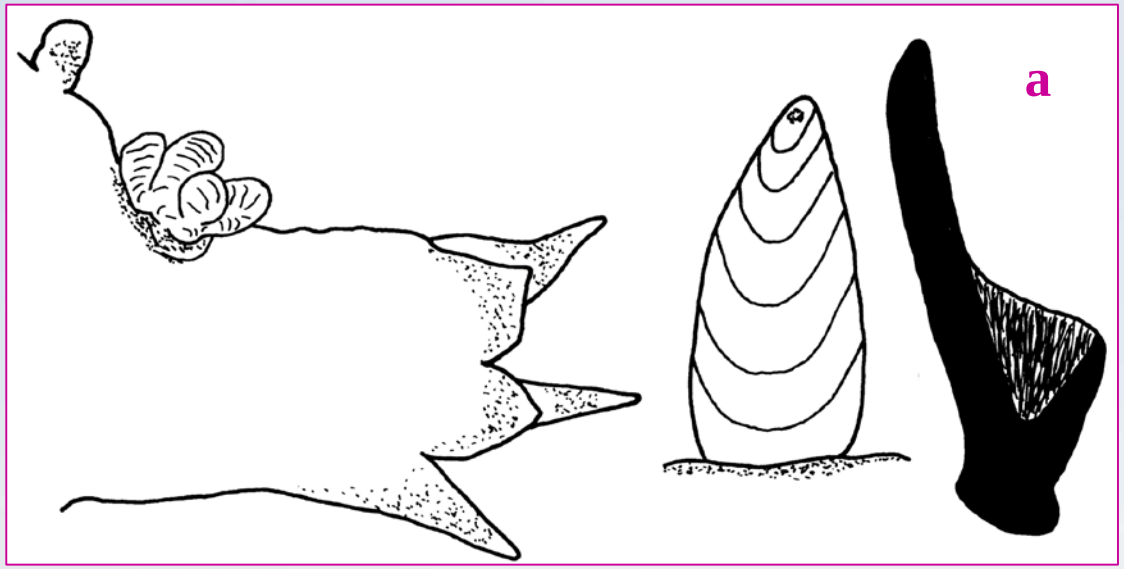
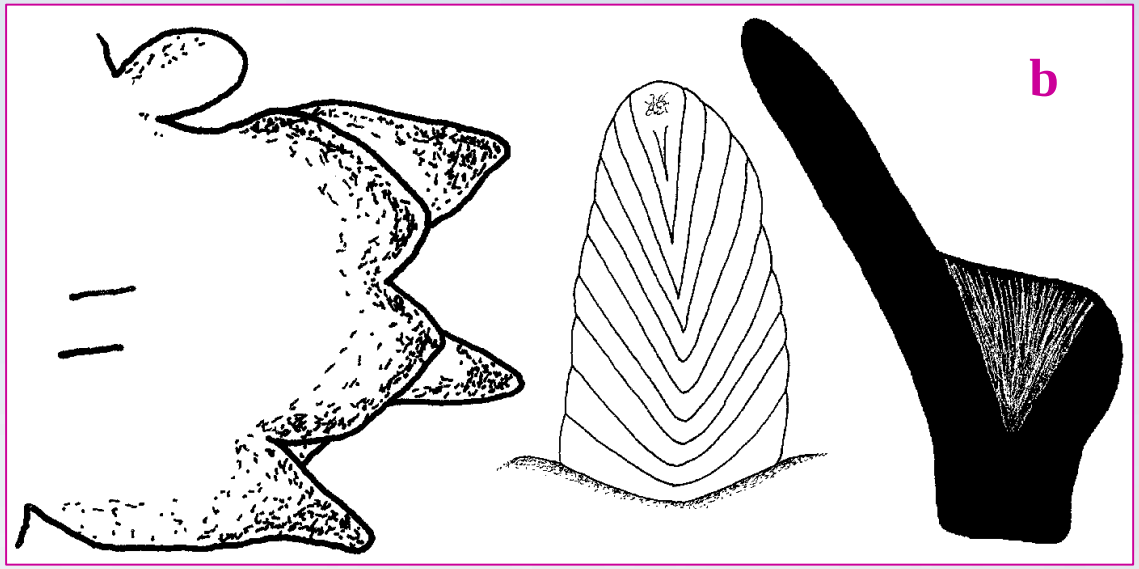
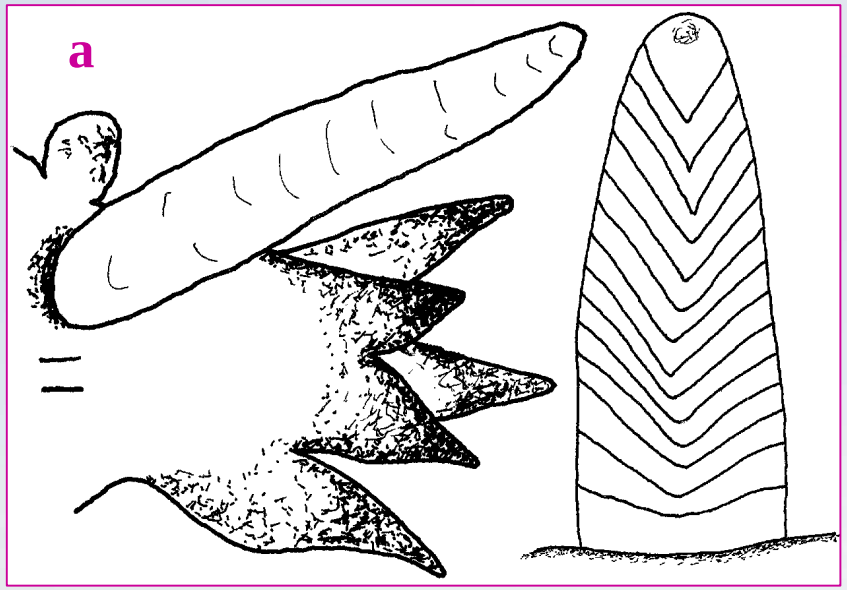
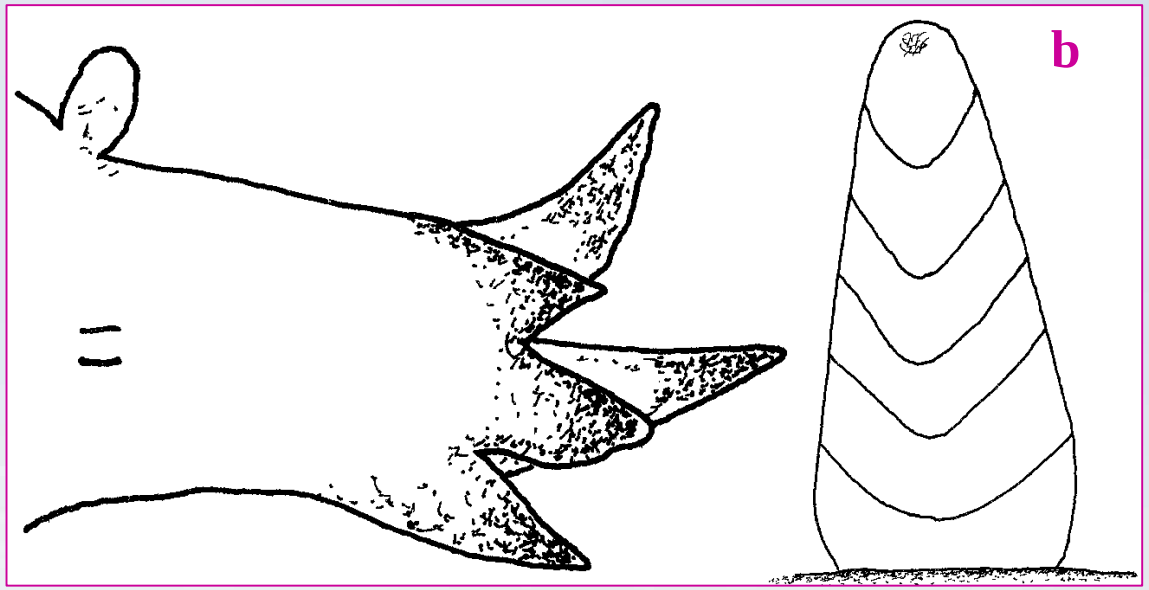




35a. Branched to short bush-like retractile branchiae present; conical proboscidial papillae with 5-6 ridges; ailerons with triangular bases ..... ***Glycera boeggemanni*** RIZZO, STEINER & AMARAL, 2007

35b. Parapodia without branchiae; conical proboscidial papillae with about 6-16 ridges; ailerons with rounded triangular bases ..... ***Glycera celtica*** O'CONNOR, 1987



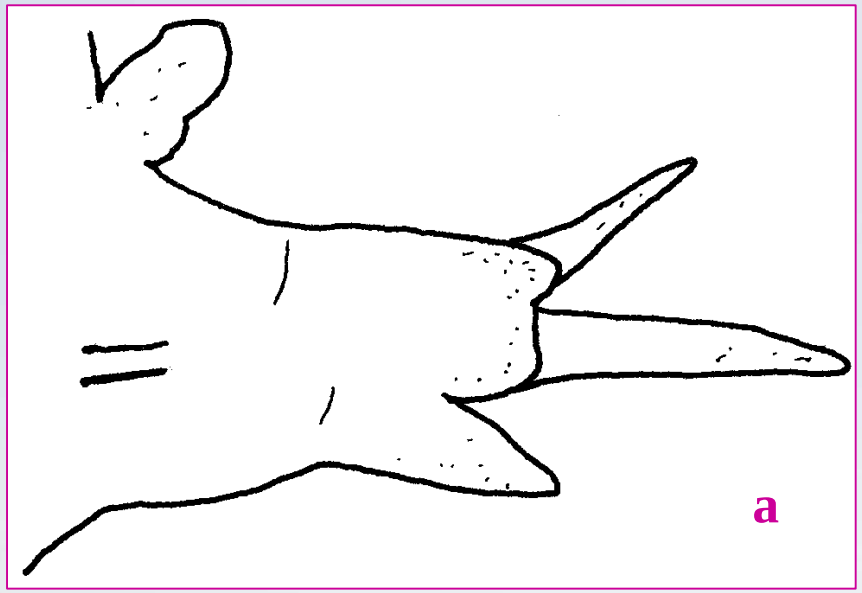


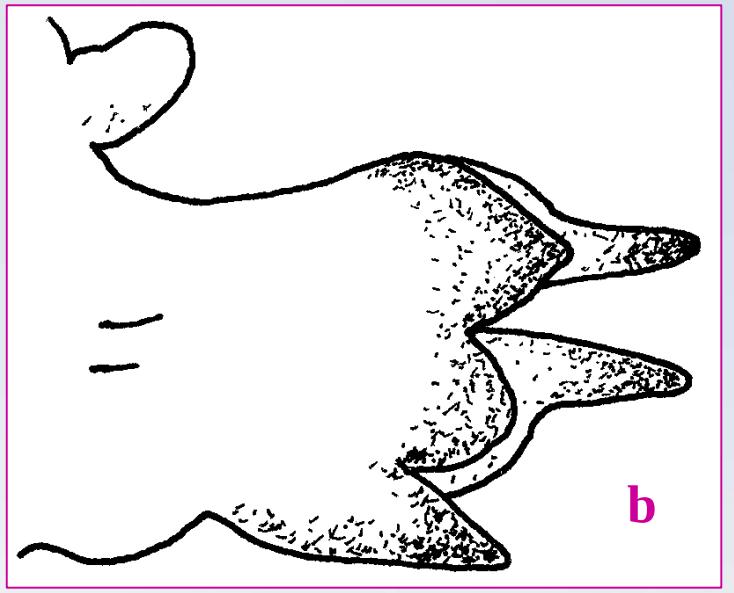
36a. (34) Simple, digitiform retractile branchiae present; conical proboscidial papillae with about 6-16 ridges.....

.....***Glycera russa*** GRUBE, 1870

36b. Parapodia without branchiae; conical proboscidial papillae with 4-7 ridges.....

.....***Glycera knoxi*** KIRKEGAARD, 1995





37a. (29) In mid-body notopodial prechaetal lobes shorter than neuropodial ones **38**

37b. In mid-body prechaetal lobes of about same length **39**

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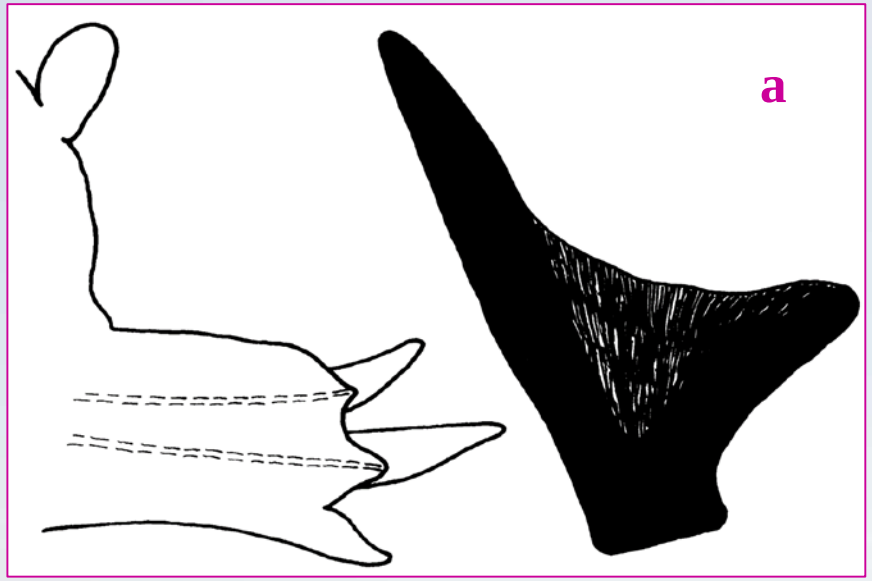
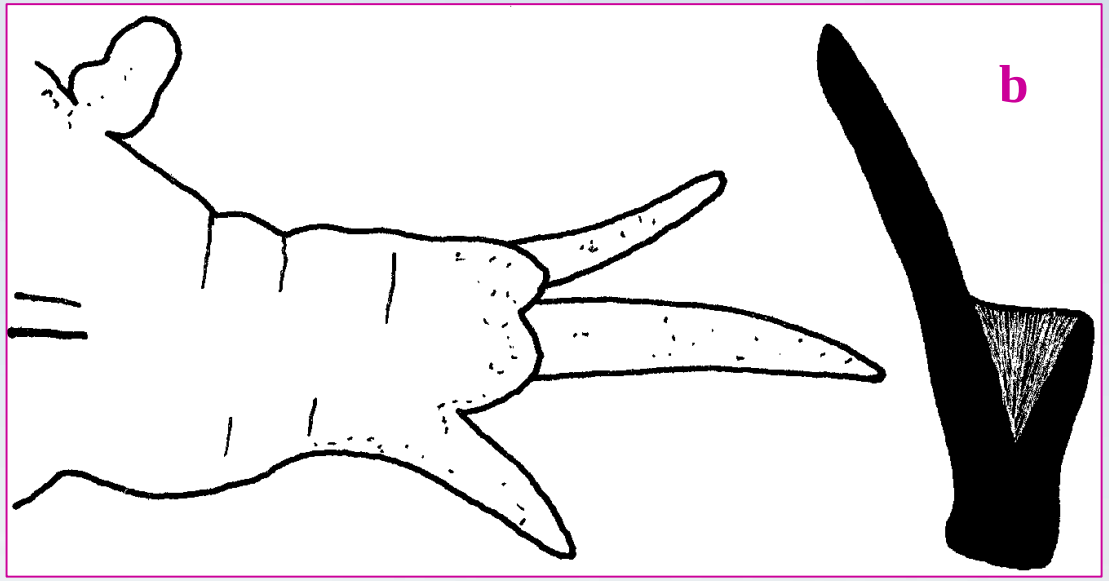
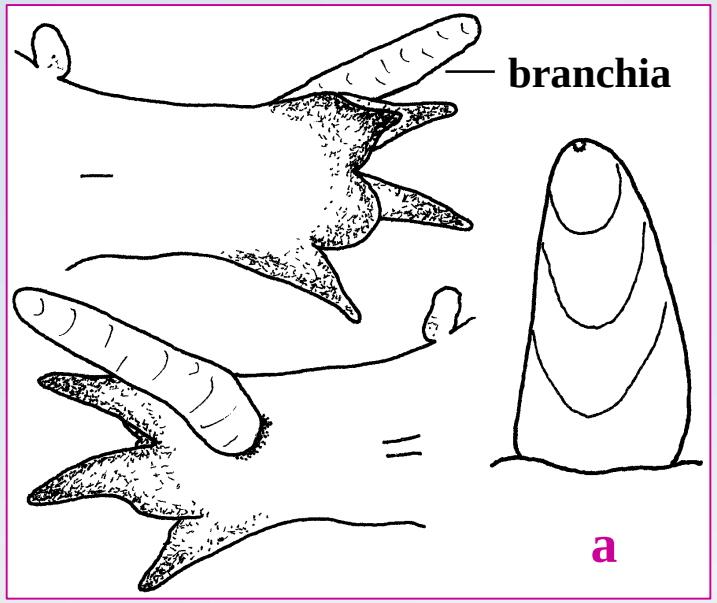
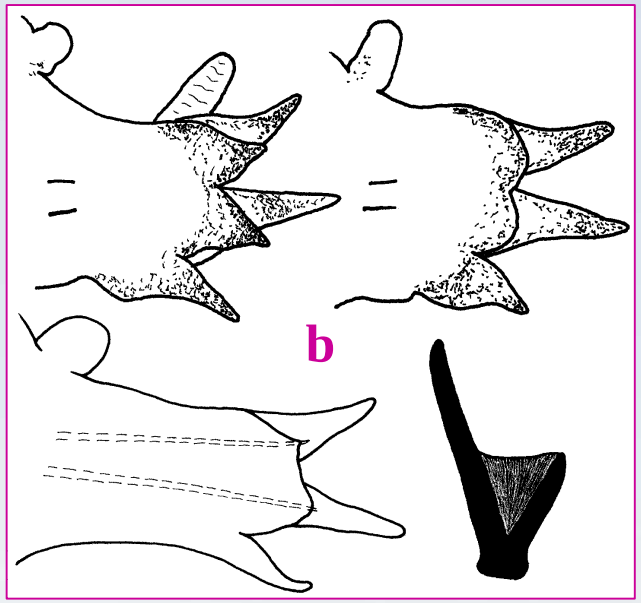




38a. Notopodial prechaetal lobes slightly shorter than neuropodial lobes; notopodial postchaetal lobes slightly shorter than neuropodial ones; dorsal cirri inserted far above parapodial base; ailerons with pointed triangular bases ..... ***Glycera diva*** BÖGGEMANN, 2009

38b. Notopodial prechaetal lobes distinctly shorter than neuropodial lobes; notopodial postchaetal lobes slightly longer than neuropodial ones; dorsal cirri inserted slightly above parapodial base; ailerons with triangular bases ..... ***Glycera madagascariensis*** BÖGGEMANN & FIEGE, 2001





39a. (37) Parapodia of mid-body with slender triangular notopodial and distinctly shorter, rounded neuropodial postchaetal lobes; retractile branchiae, situated medially on anterior side of parapodia; conical proboscidial papillae with three ridges 40

39b. Parapodia of mid-body with two postchaetal lobes of about same length or notopodial lobes only slightly longer or shorter than neuropodial lobes; branchiae present or absent; ailerons with triangular bases 41

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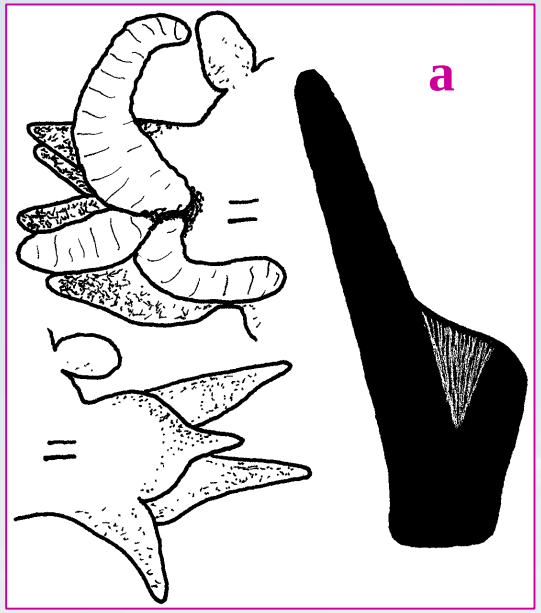
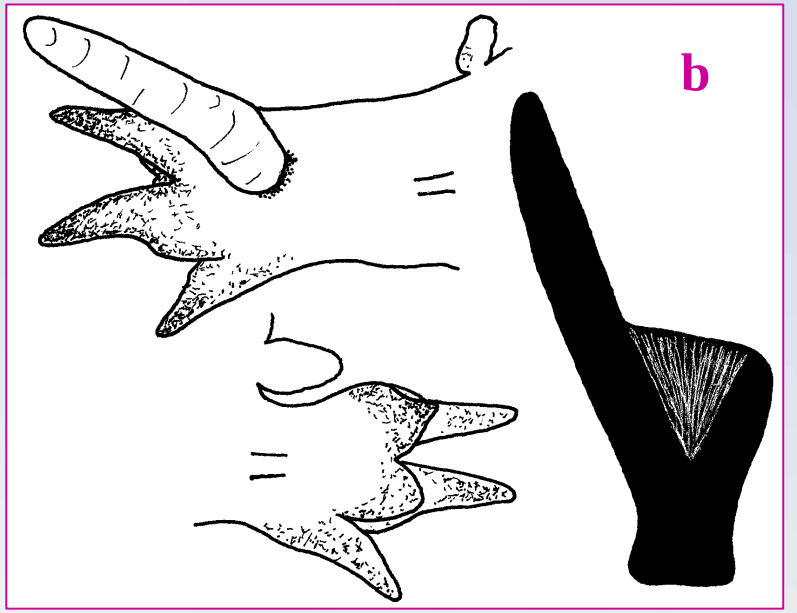
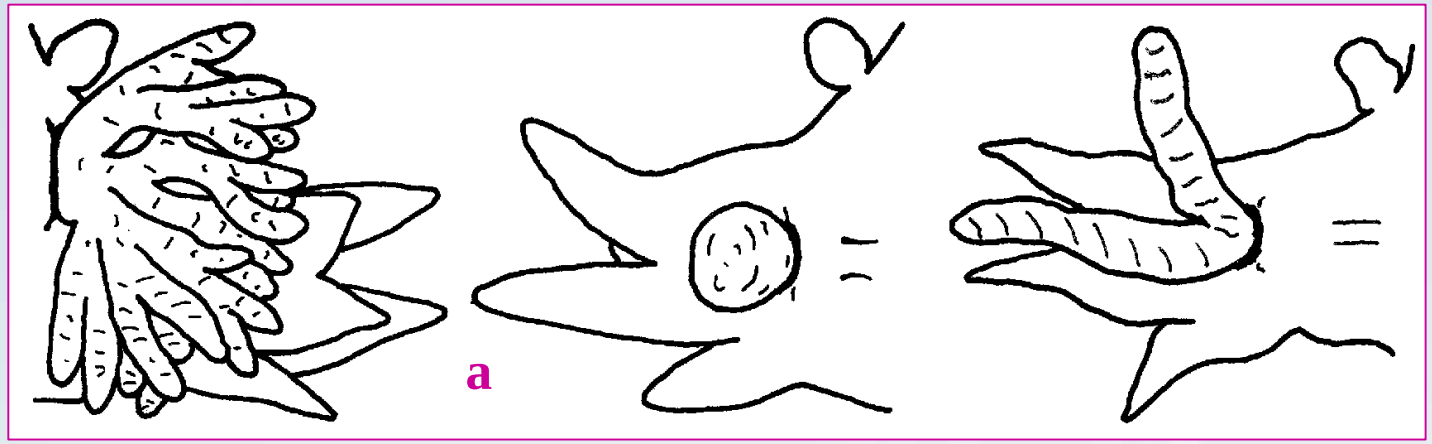
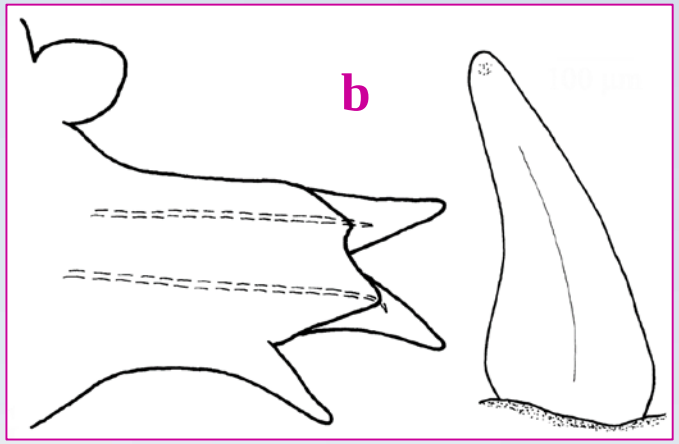




40a. 1-6 digitiform branchial rami; ailerons with rounded triangular bases; in anterior parapodia only one, medially inserted, slender triangular postchaetal lobe ..... ***Glycera macintoshi*** GRUBE, 1877

40b. Simple, digitiform branchiae; ailerons with triangular bases; all biramous parapodia with two postchaetal lobes ..... ***Glycera nicobarica*** GRUBE, 1868

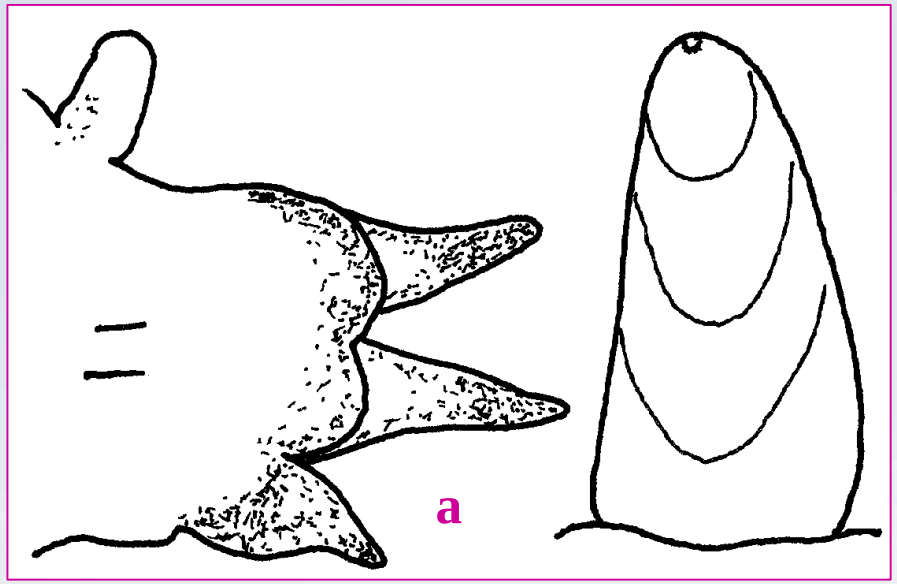


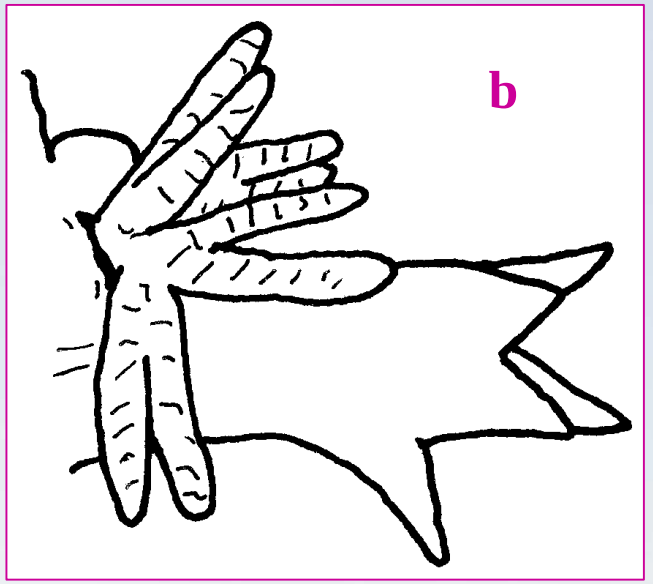


41a. (39) Parapodia with retractile branchiae 42

41b. Parapodia without branchiae; postchaetal lobes rounded or blunt triangular, notopodial lobes usually slightly shorter than neuropodial ones; conical proboscidial papillae with a straight, median, longitudinal ridge .....

..... ***Glycera southeastatlantica*** BÖGGEMANN, 2009





42a. Both postchaetal lobes short and more or less rounded; simple, retractile branchiae, situated medially on anterior side of parapodia; conical proboscidial papillae with three ridges **43**

42b. Both postchaetal lobes slender triangular; branchiae variable; conical proboscidial papillae variable **44**

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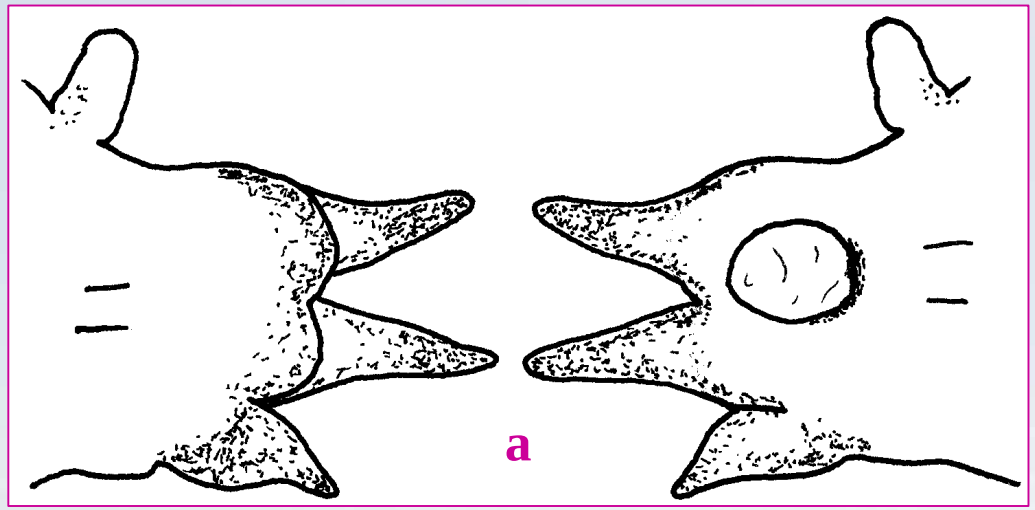
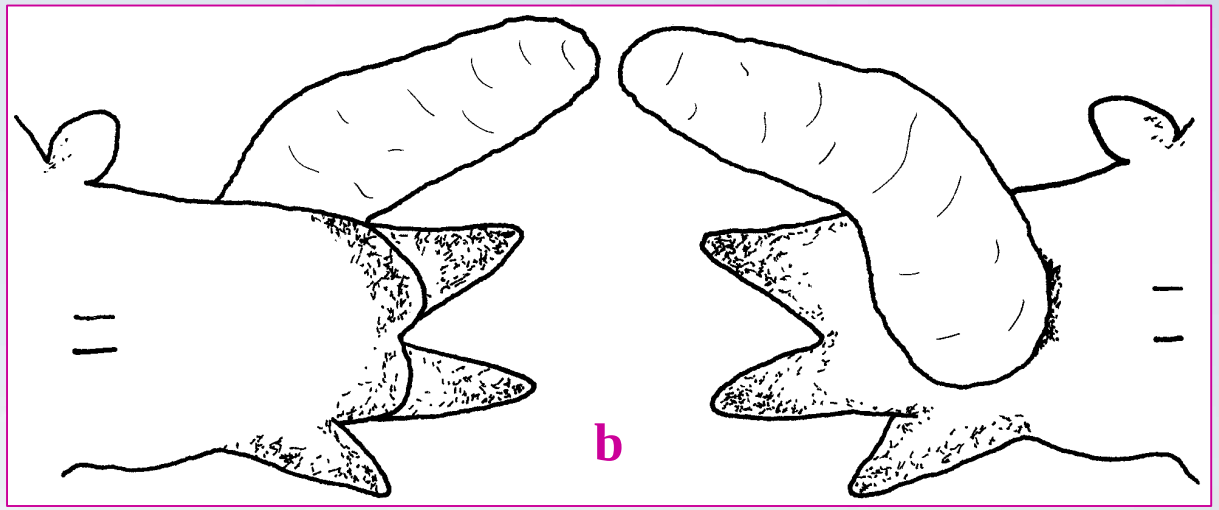
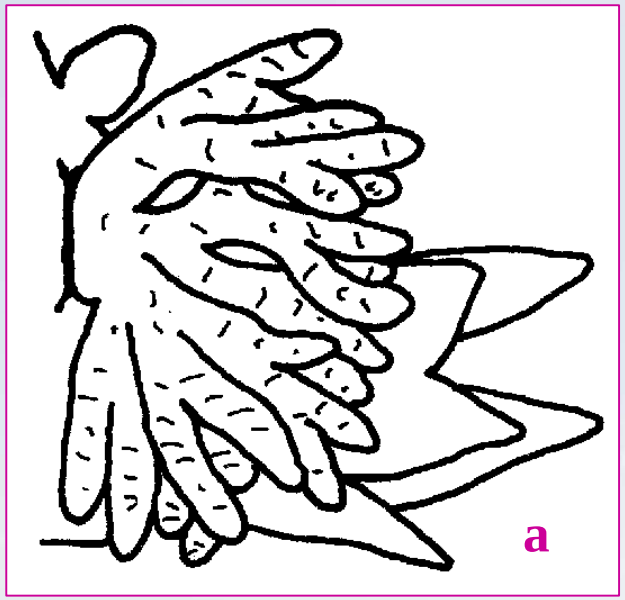
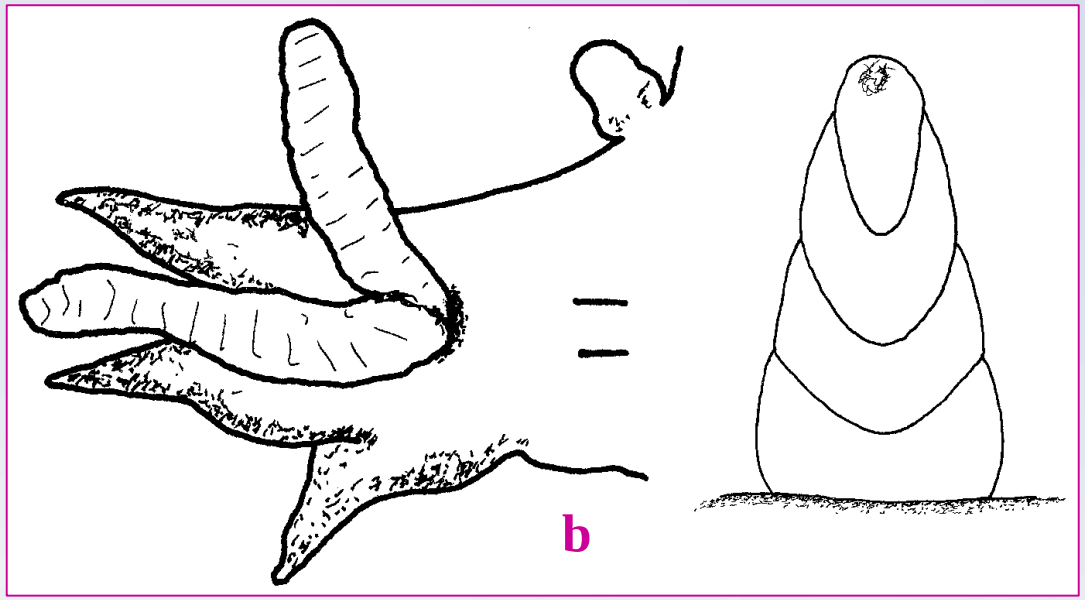




43a. Branchiae blister-like; rounded, sometimes slightly blunt triangular notopodial and slightly shorter, rounded neuropodial postchaetal lobes ..... ***Glycera fallax*** QUATREFAGES, 1850

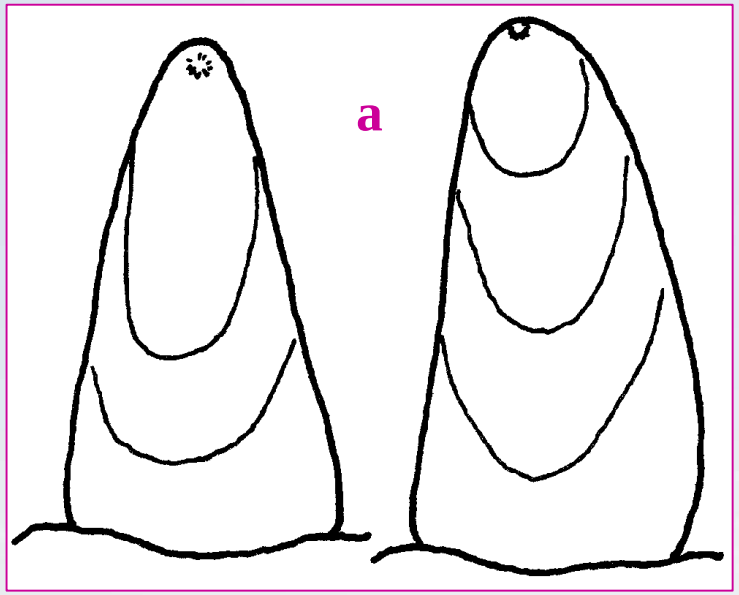
43b. Branchiae digitiform; rounded, sometimes slightly blunt triangular postchaetal lobes, notopodial lobes usually slightly broader and longer than neuropodial lobes ..... ***Glycera sagittariae*** MCINTOSH, 1885

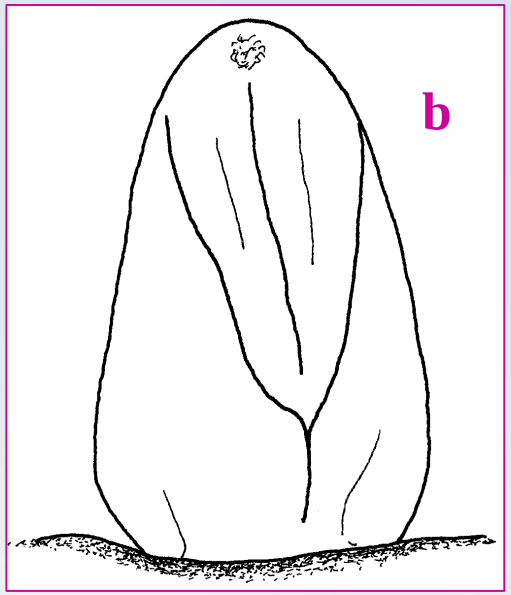




44a. (42) Retractile, bush-like branchiae, situated dorsally on posterior side of parapodial bases **45**

44b. 1-2 retractile, digitiform branchial rami, situated medially on anterior side of parapodia; conical proboscidial papillae with three ridges ..... ***Glycera unicornis*** SAVIGNY in LAMARCK, 1818

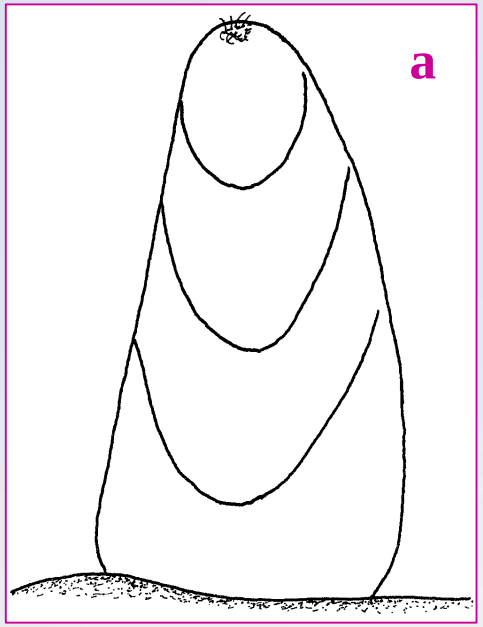


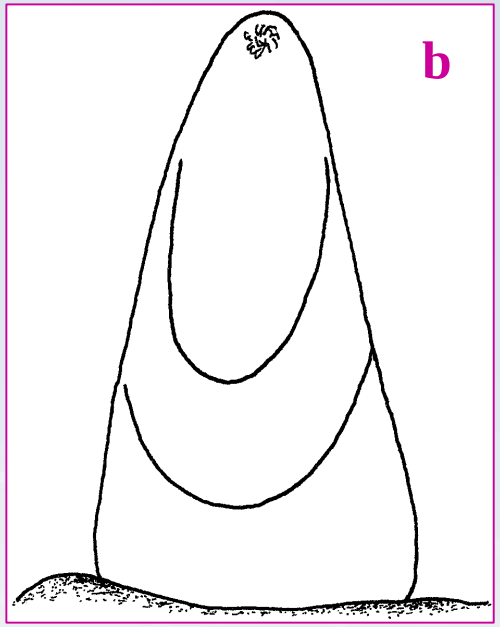


45a. Conical proboscidial papillae with two or three transverse ridges **46**

45b. Conical proboscidial papillae with a Y-shaped ridge in combination with 1-3 vertical ridges apically .....

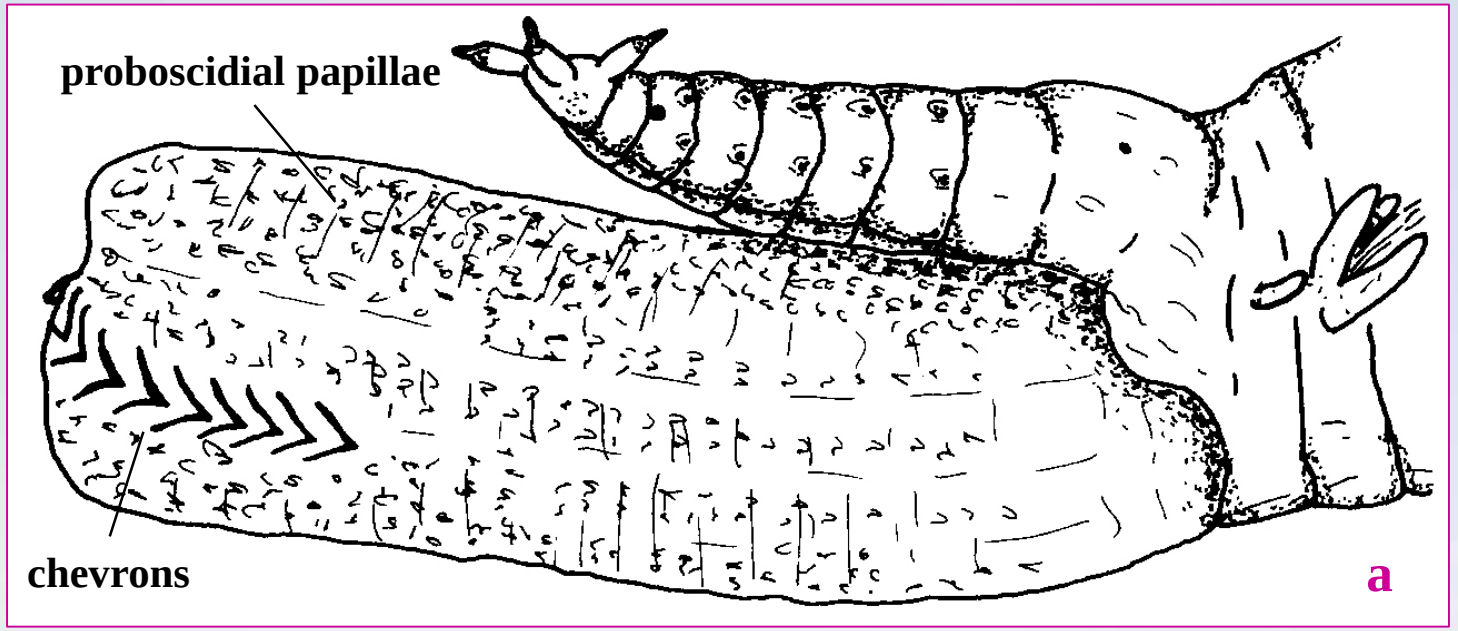
..... ***Glycera ovigera*** SCHMARDA, 1861





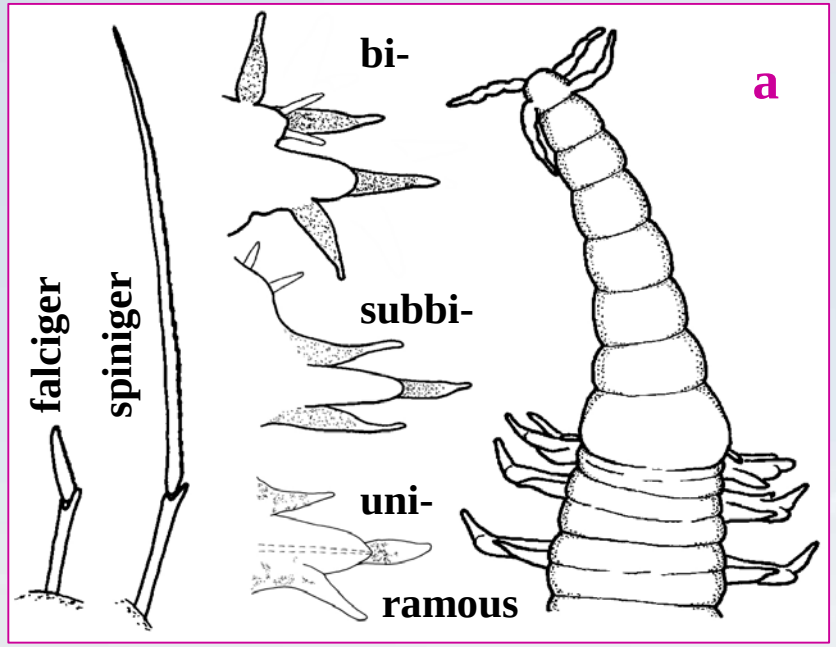
46a. Conical proboscidial papillae with three ridges ..... ***Glycera pacifica*** KINBERG, 1865

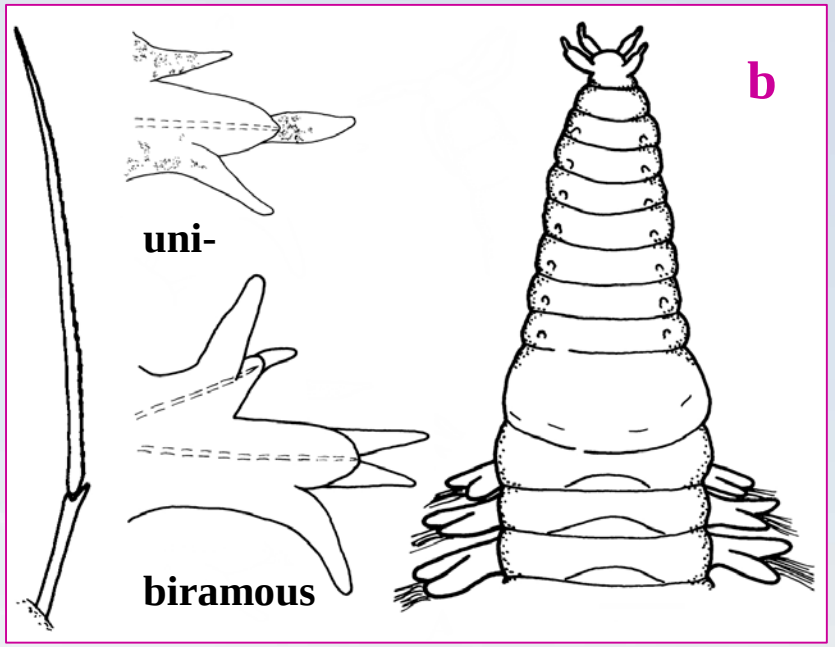
46b. Conical proboscidial papillae with two ridges ..... ***Glycera americana*** LEIDY, 1855



47a. (1) Proboscis with chevrons; a few different types of proboscidial papillae; usually with macrognaths (except for *Goniada amacrognatha*) and dorsal and ventral microgaths 48

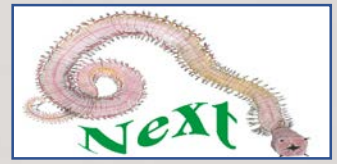
47b. Proboscis without chevrons 85

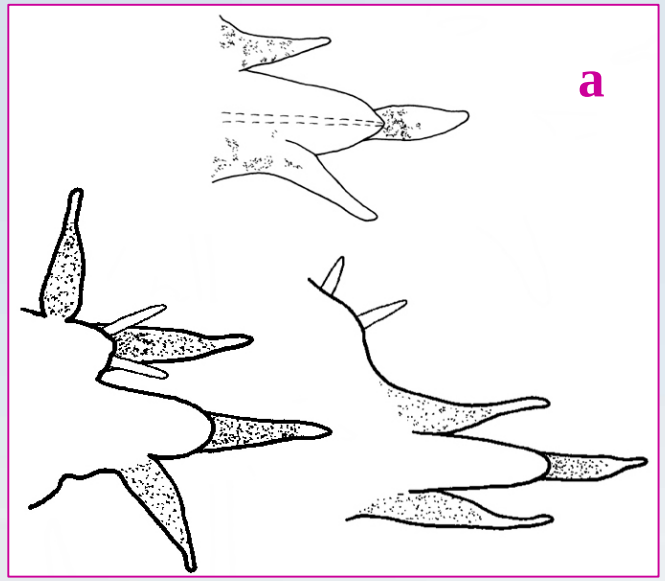


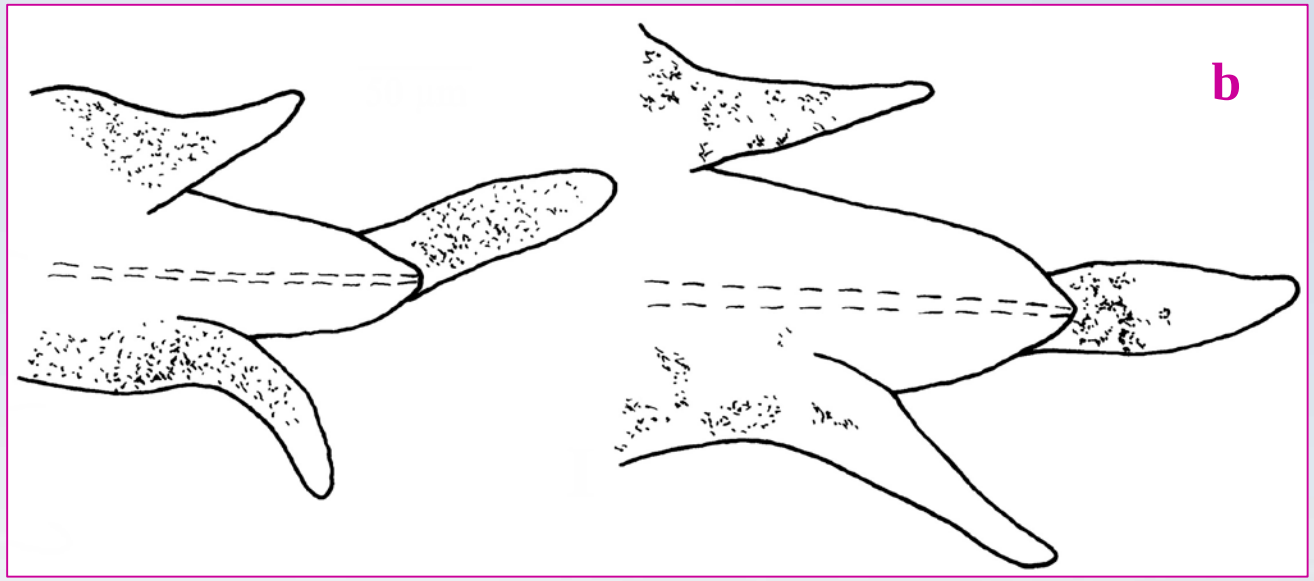


48a. Usually all parapodia with falcigerous and spinigerous compound neurochaetae; parapodia biramous/sub-biramous and/or uniramous; prostomium consisting of eight rings, appendages biarticulate, which may be appear to be tri- or quadriarticulated 49

48b. Usually all parapodia with only spinigerous compound neurochaetae; anterior part of body with uniramous parapodia, following region with biramous parapodia, transitional region may be present; prostomium annulated, sometimes with only indistinct rings, appendages biarticulate 55



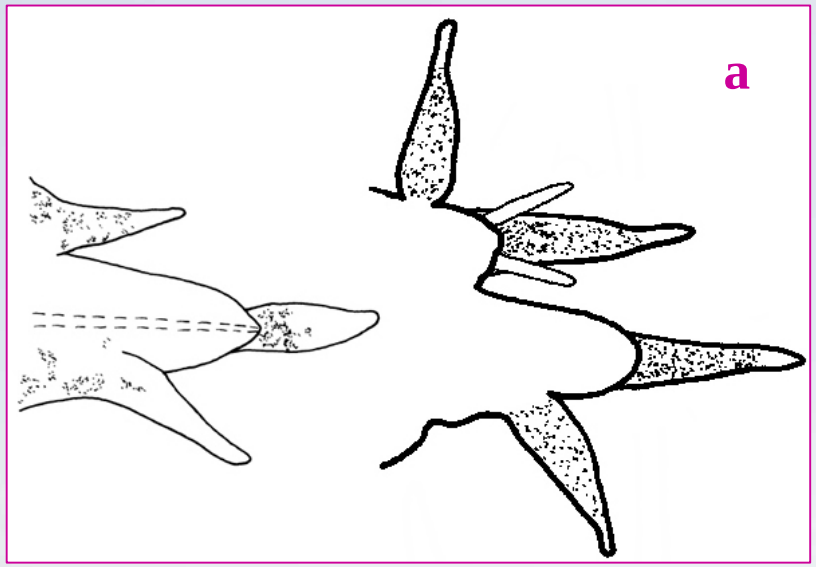


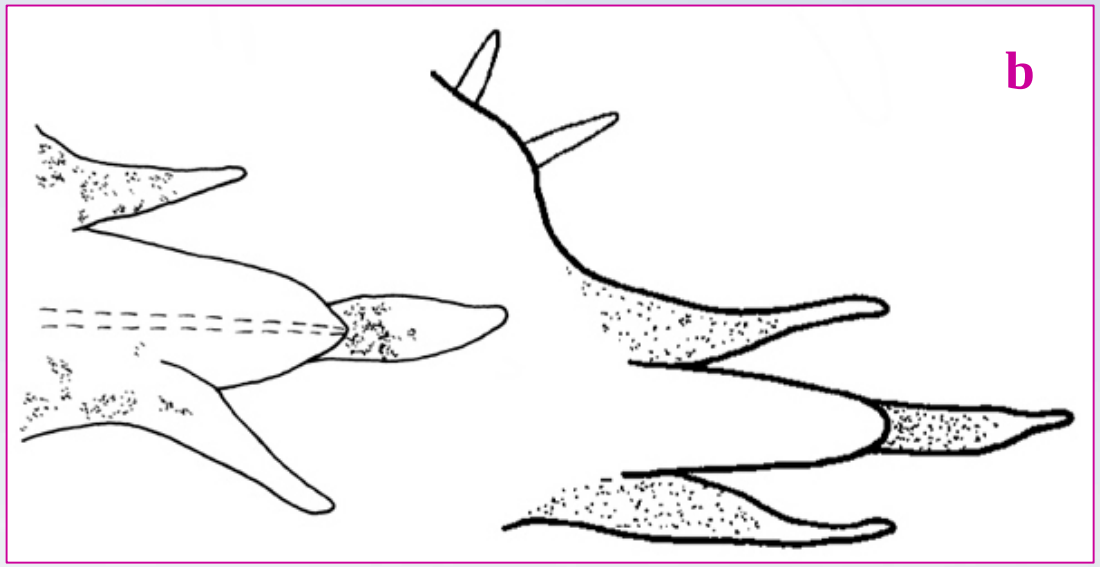


49a. Anterior part of body with uniramous parapodia, following region with biramous or subbiramous parapodia

50

49b. All parapodia uniramous ***Progoniada regularis*** HARTMAN, 1965





50a. 36-51 uniramous parapodia, following parapodia biramous **51**

50b. Up to 30 uniramous parapodia, following parapodia subbiramous **52**

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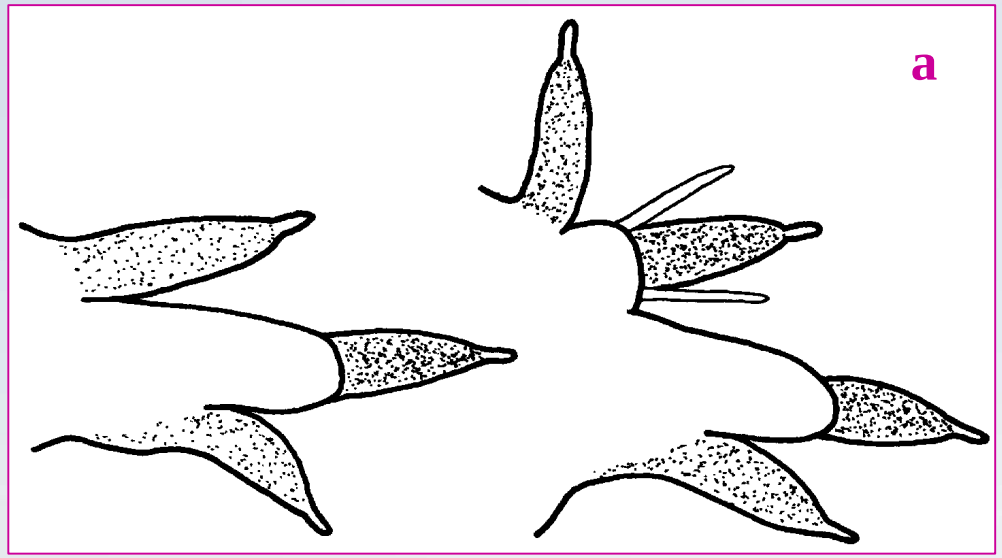
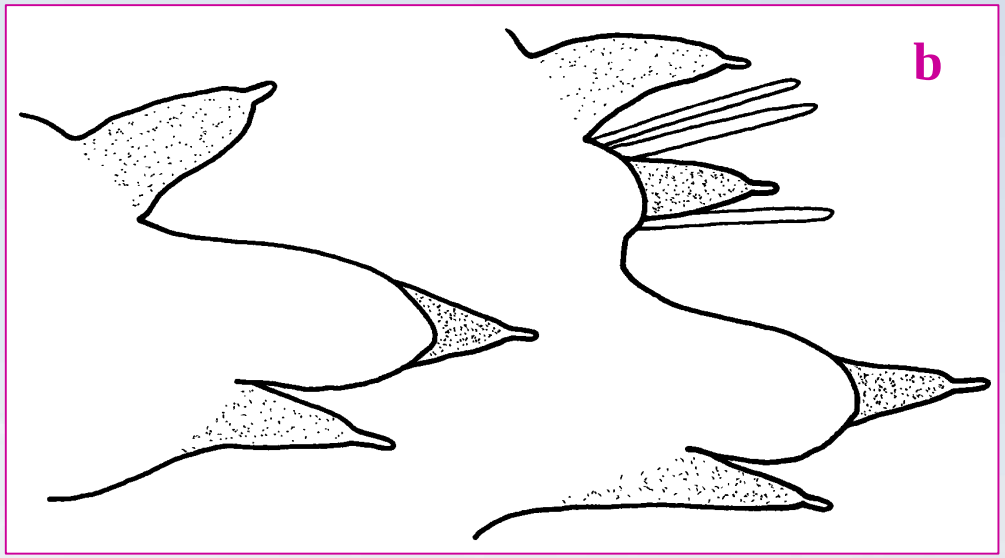
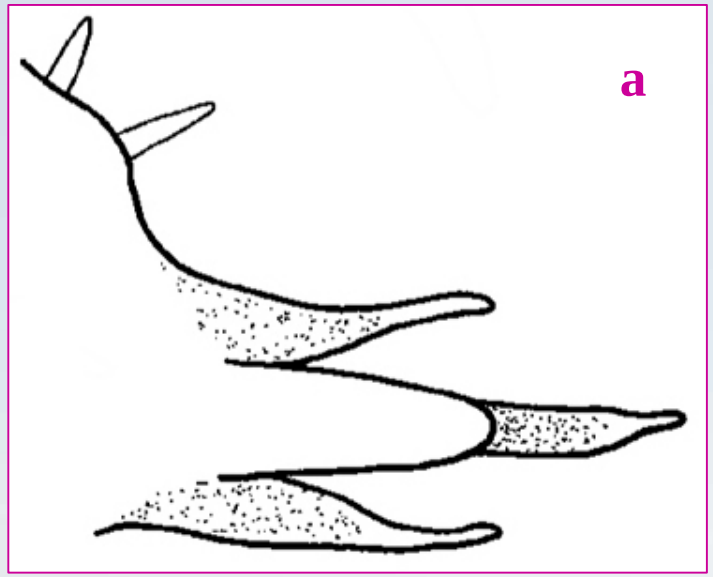
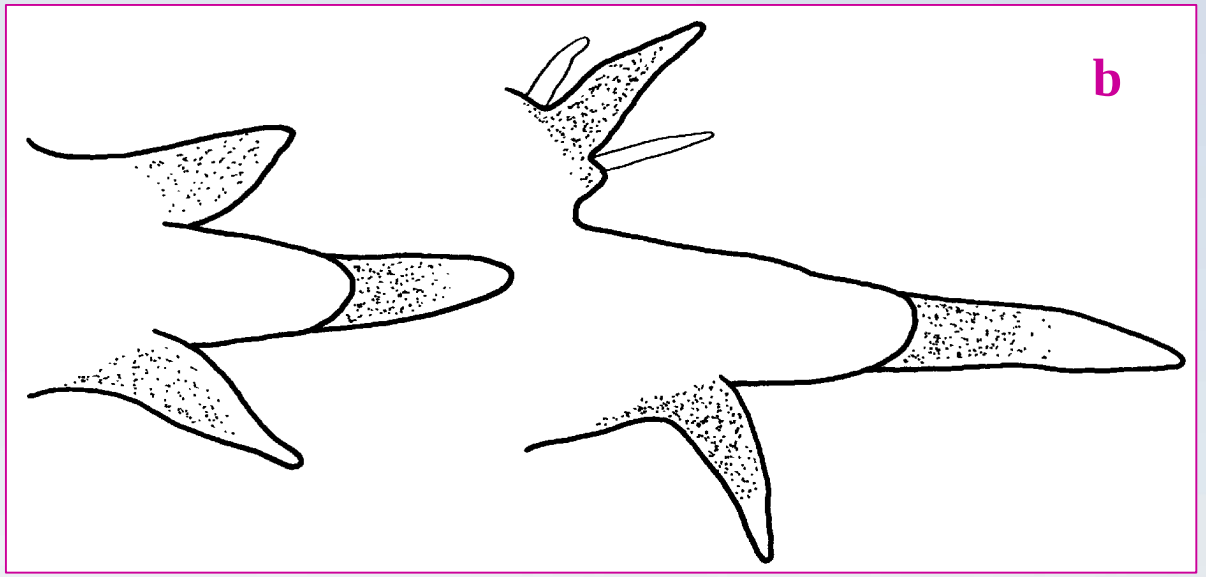




51a. 36-39 uniramous parapodia ..... ***Goniadella tasmanensis*** BÖGGEMANN, 2005

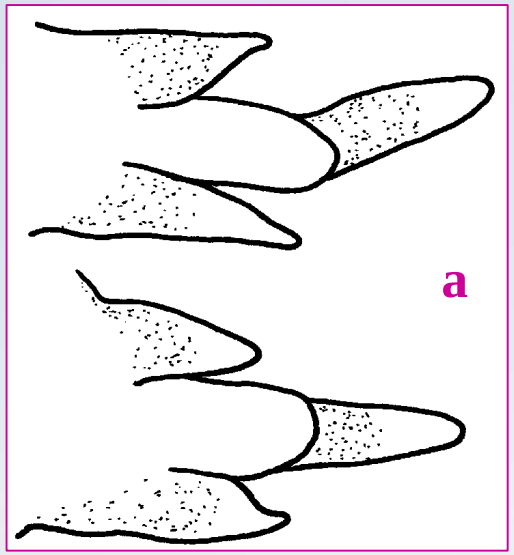
51b. 45-51 uniramous parapodia ..... ***Goniadella falklandica*** HARTMANN-SCHRÖDER, 1986

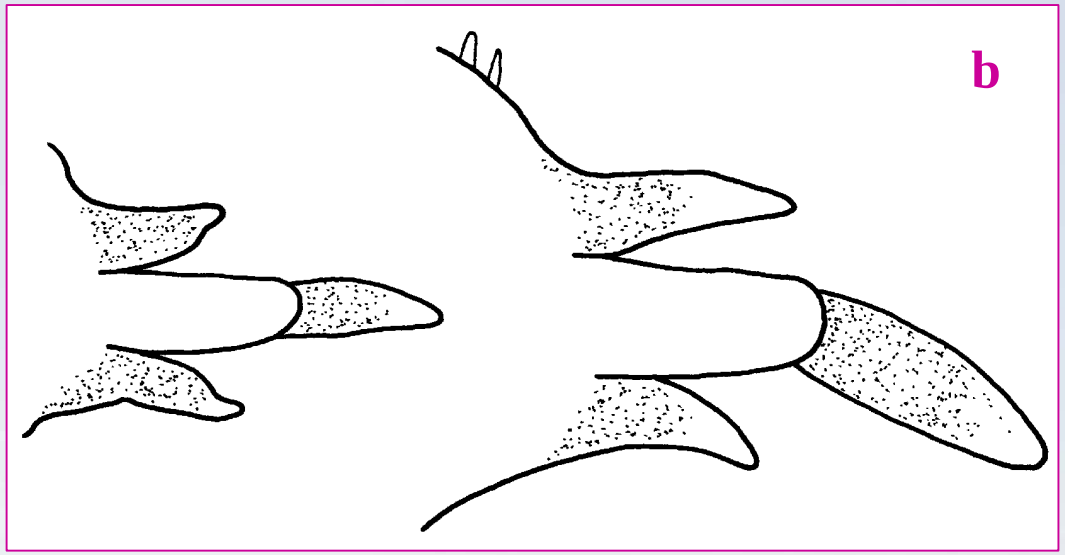




52a. (50) Subbiramous parapodia with acicular notochaetae arising dorsal to dorsal cirri; up to 24 uniramous parapodia 53

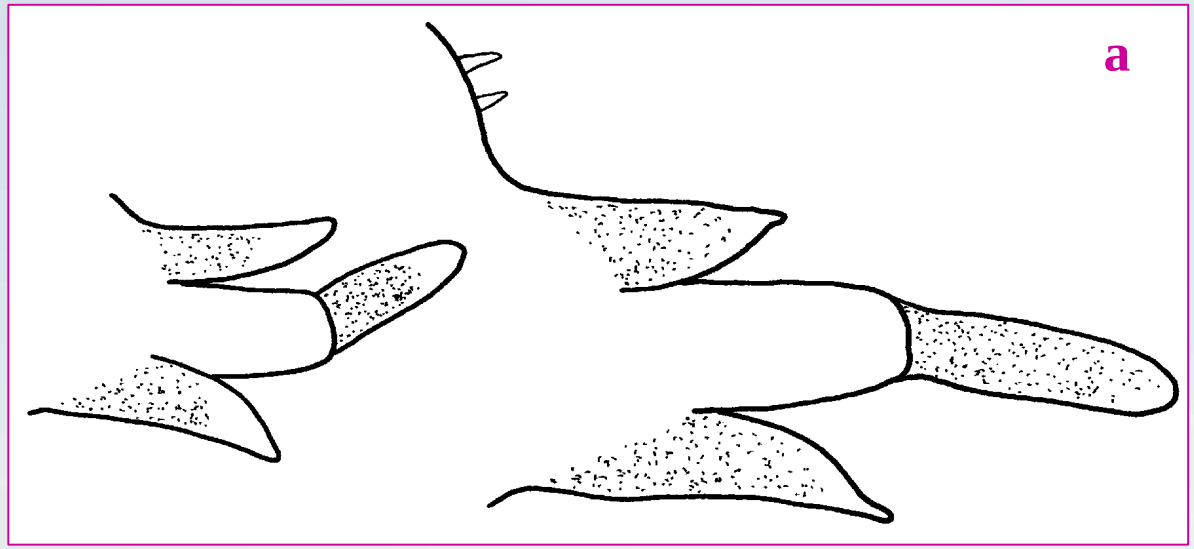
52b. Subbiramous parapodia with acicular notochaetae arising at level of dorsal cirri; 26-30 uniramous parapodia ..... ***Goniadella gracilis*** (VERRILL, 1873)

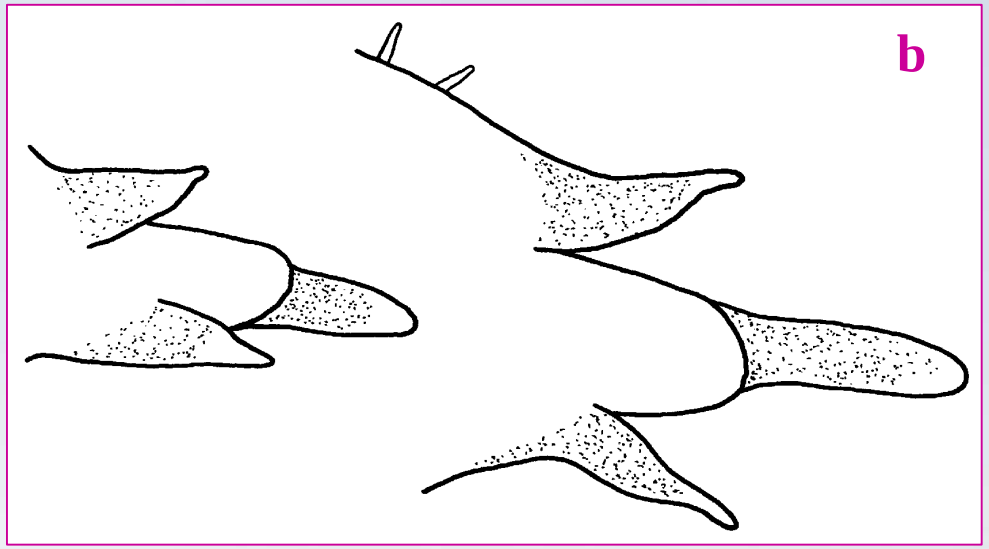




53a. At least 19 uniramous parapodia **54**

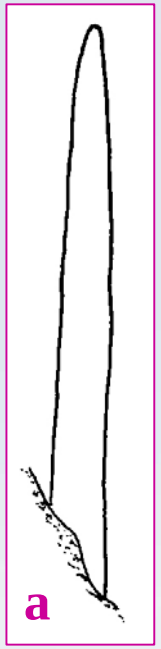
53b. 12-13 uniramous parapodia ..... ***Goniadella katherineae*** BÖGGEMANN, 2005

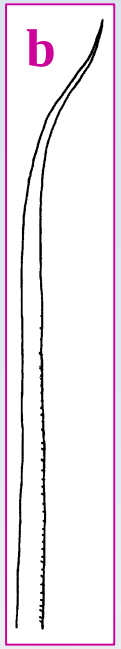




54a. 19-20 uniramous parapodia ..... ***Goniadella revizee*** RIZZO & AMARAL, 2004

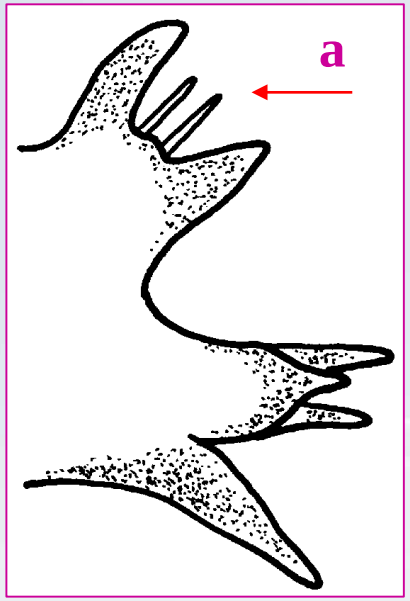
54b. 21-24 uniramous parapodia ..... ***Goniadella bobrezkii*** (ANNENKOVA, 1929)

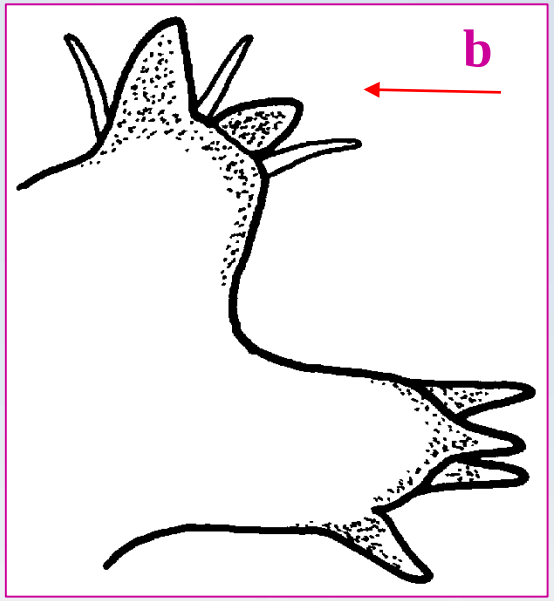




55a. (48) Notochaetae acicular 56

55b. Notochaetae capillary 67





56a. Acicular notochaetae situated between dorsal cirrus and notopodium **57**

56b. Acicular notochaetae situated dorsal to dorsal cirrus (not present in *Goniada multidentopsis*), between dorsal cirrus and notopodium, and below notopodium **62**

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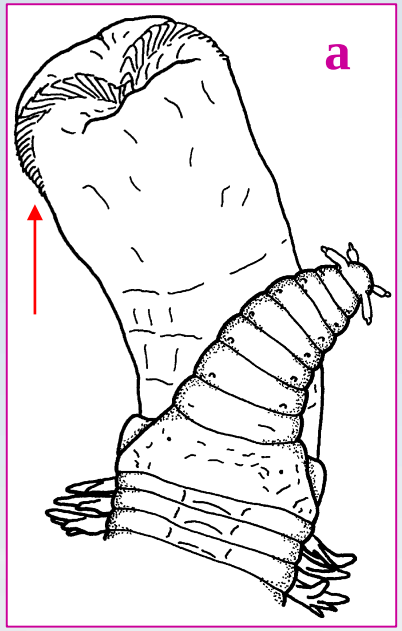

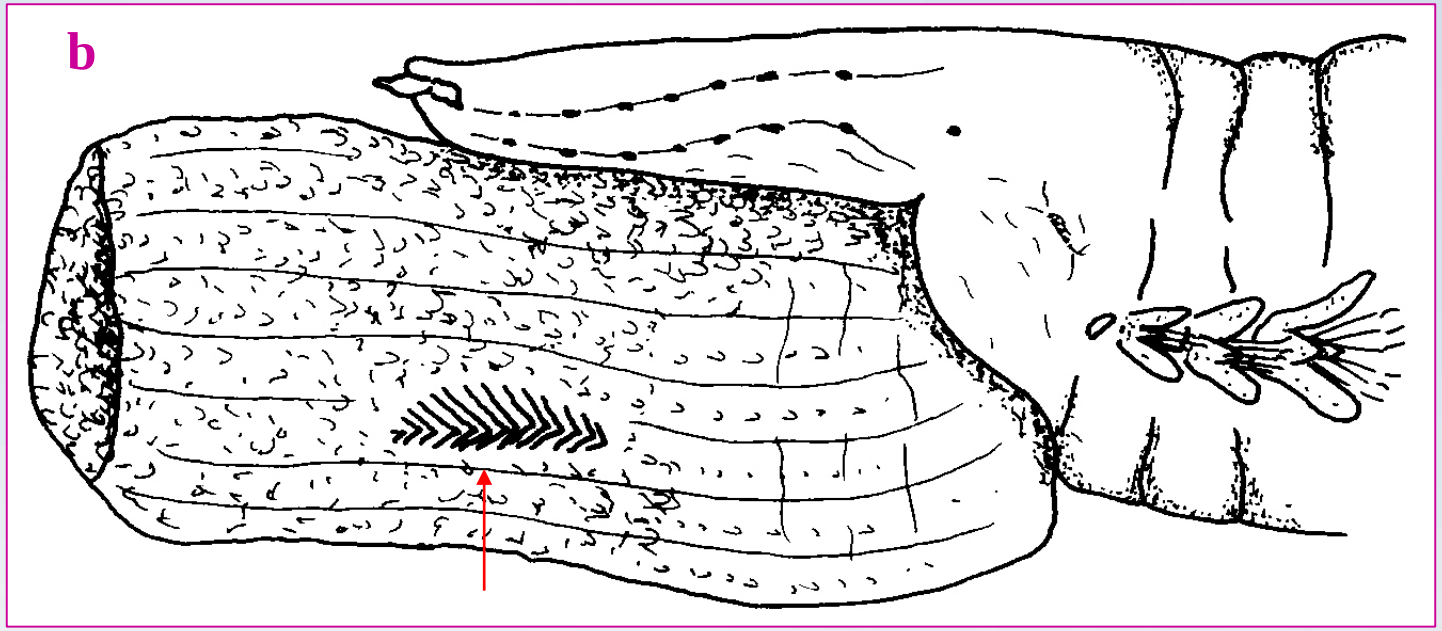

57a. 41-150 pairs of chevrons 58

57b. Less than 30 pairs of chevrons 59

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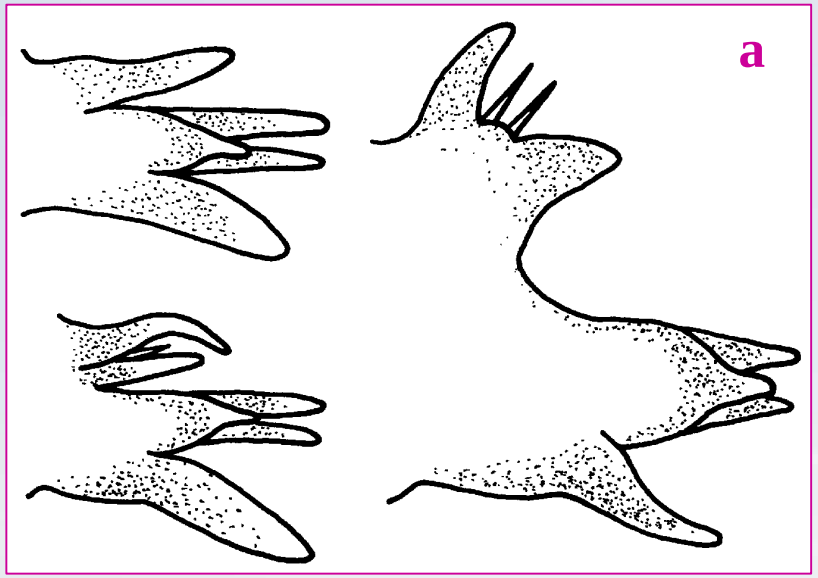
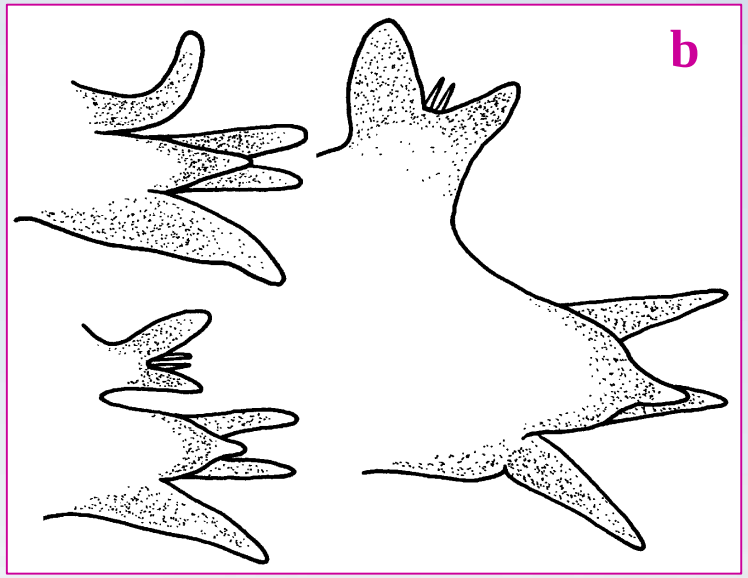
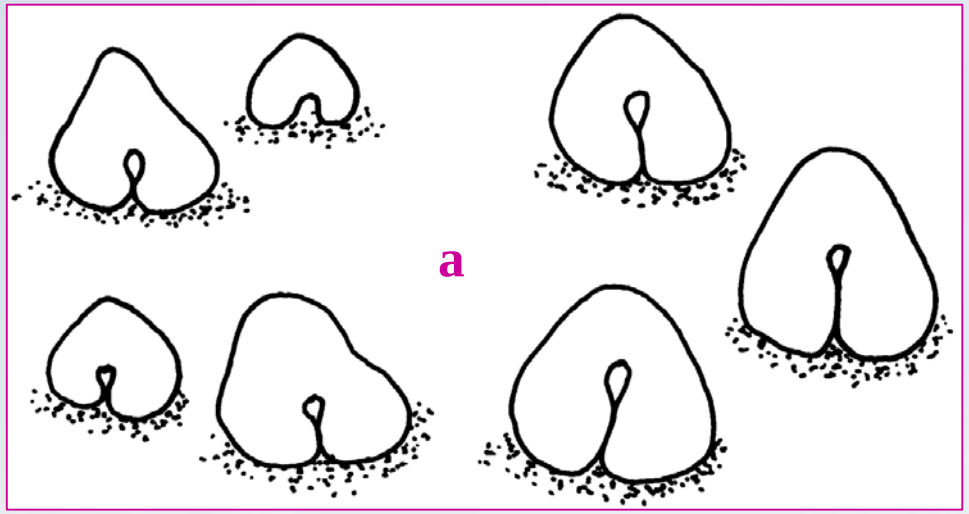
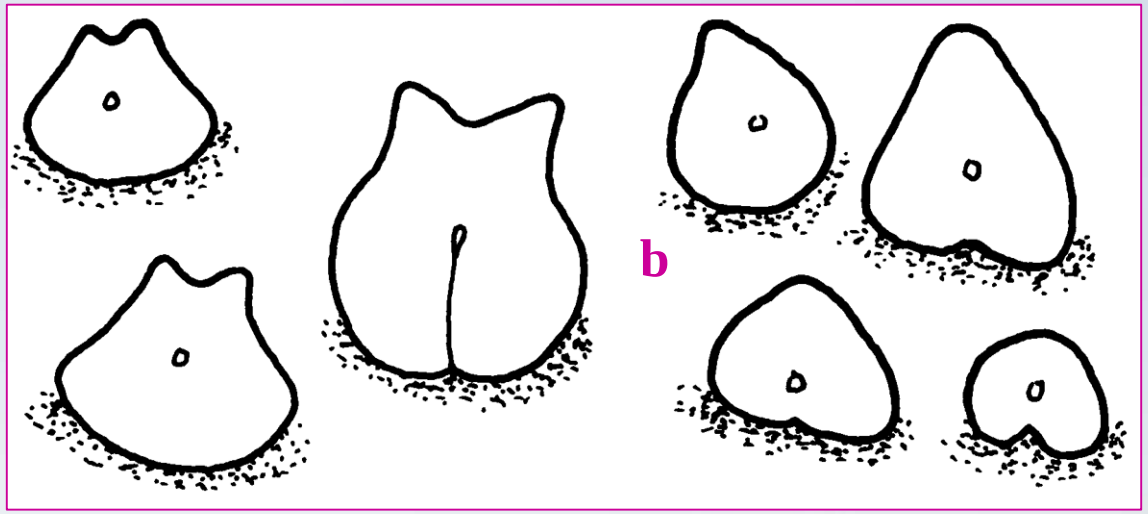




58a. 33-40 uniramous parapodia ..... ***Goniada multidentata*** ARWIDSSON, 1899

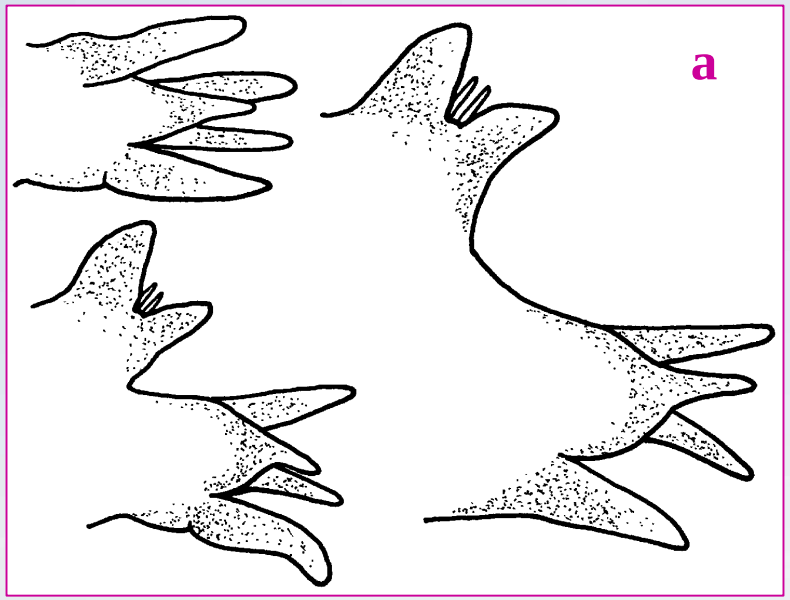
58b. 62-65 uniramous parapodia ..... ***Goniada multichevronata*** BÖGGEMANN, 2005

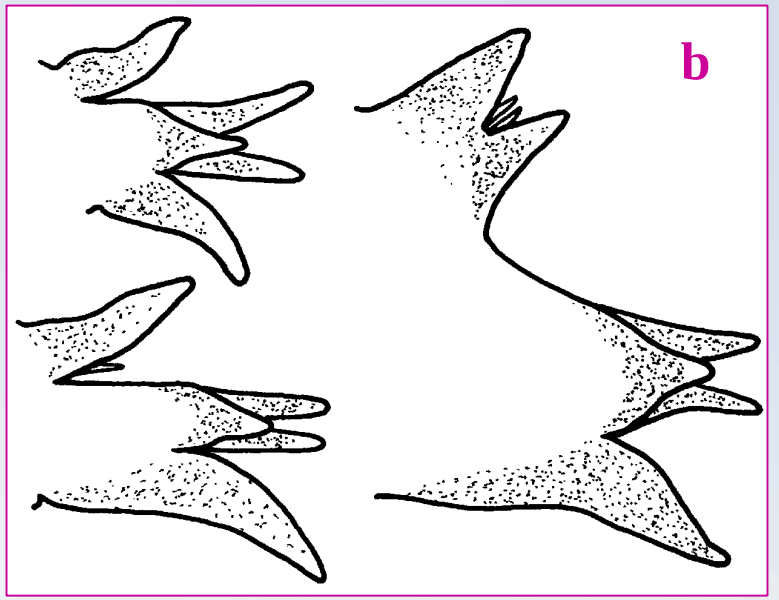




59a. (57) Proboscidial papillae all more or less heart-shaped to rounded **60**

59b. Ventral proboscidial papillae in median part conical to globular with bifid tips, other ones heart-shaped to rounded ..... ***Goniada bifida*** BÖGGEMANN, 2005

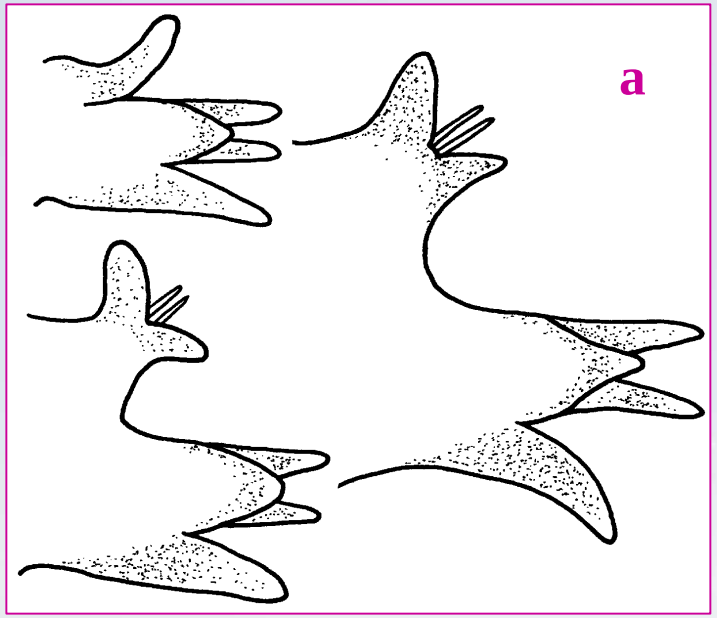


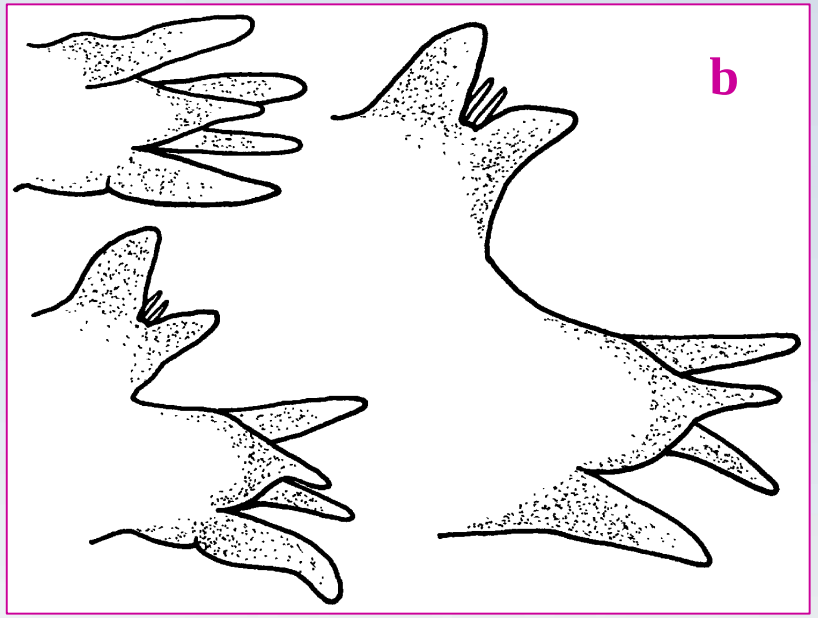


60a. Body divided into anterior uniramous region followed directly by posterior biramous region with well developed notopodia **61**

60b. Body divided into anterior uniramous region, distinct transitional middle region with subbiramous or biramous parapodia with reduced notopodia, and posterior biramous region with well developed notopodia .....

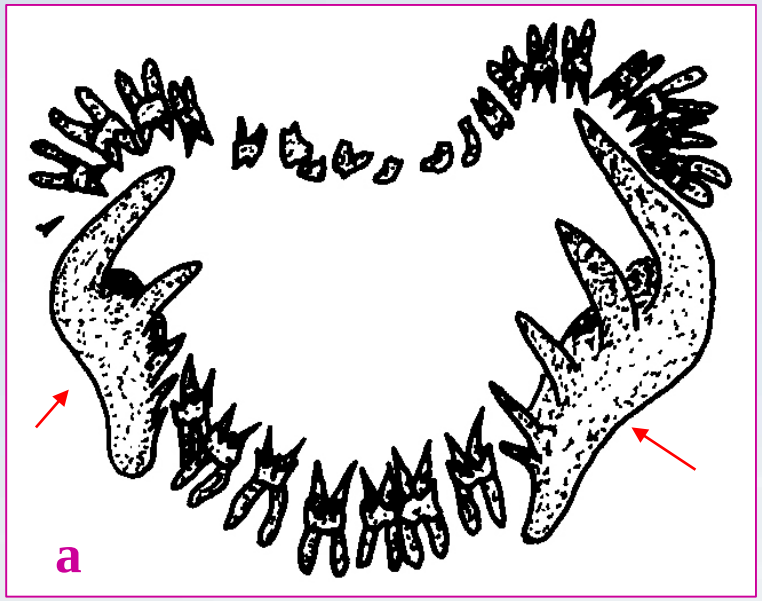
..... ***Goniada japonica*** IZUKA, 1912

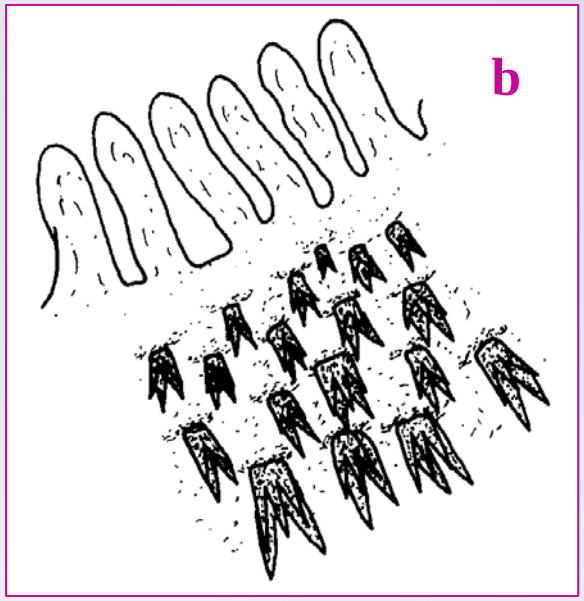




61a. 40-43 uniramous parapodia ..... ***Goniada tridens*** GALLARDO, [1968]

61b. 46-69 uniramous parapodia ..... ***Goniada emerita*** AUDOUIN & MILNE-EDWARDS, 1833

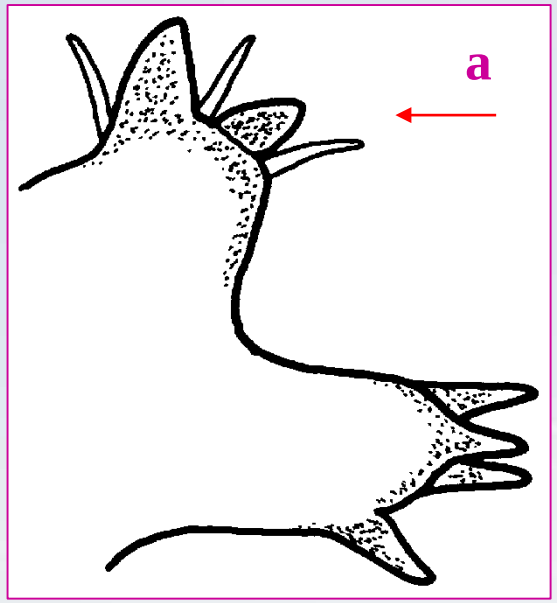


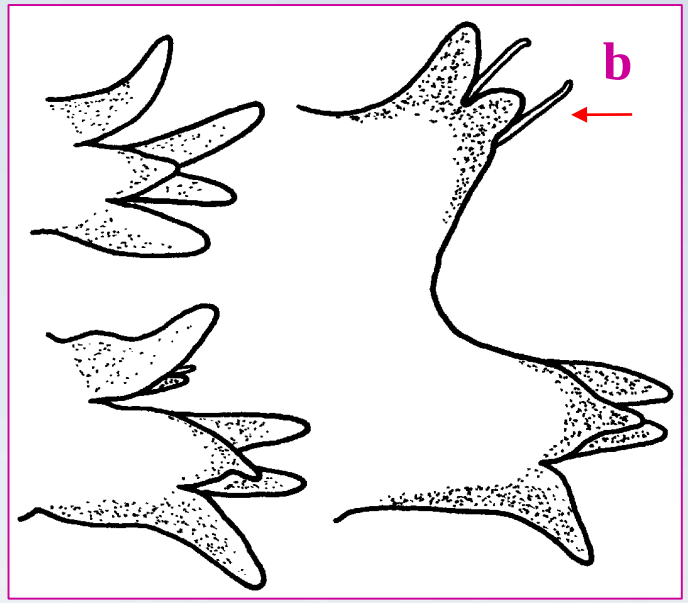


62a. (56) Macrognaths present; number of chevrons variable 63

62b. Macrognaths absent; 50-112 pairs of chevrons .....

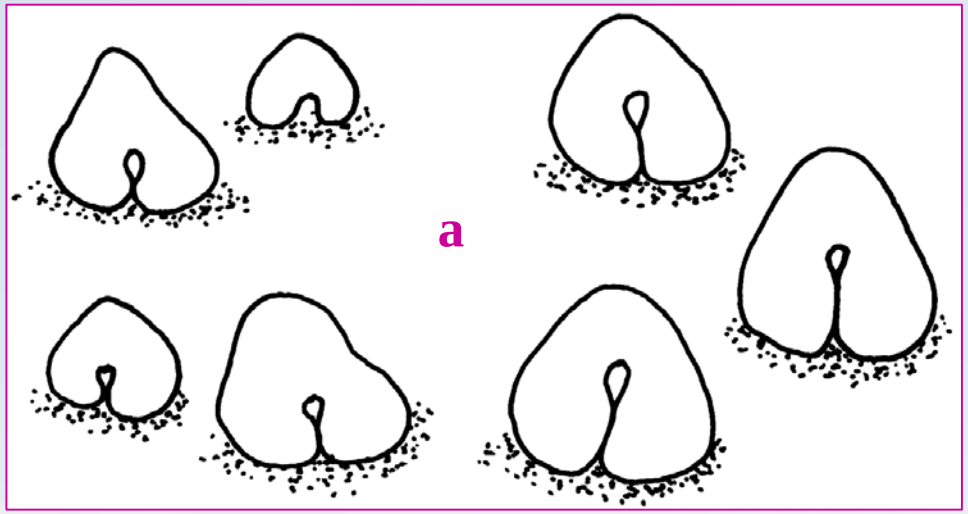
..... ***Goniada amacrognatha*** BÖGGEMANN & EIBYE-JACOBSEN, 2002

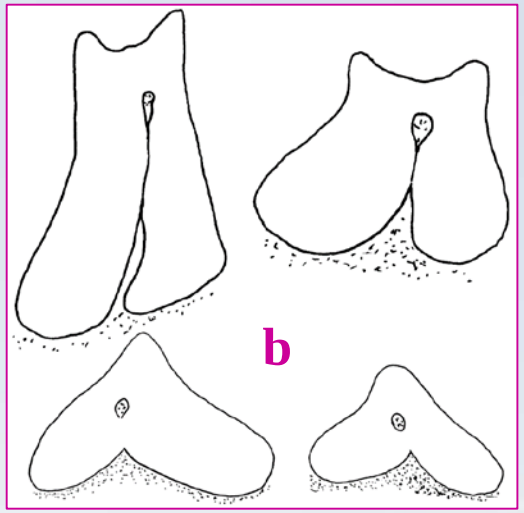




63a. Less than 30 pairs of chevrons; 3(-4) acicular notochaetae with straight or slightly bent tip **64**

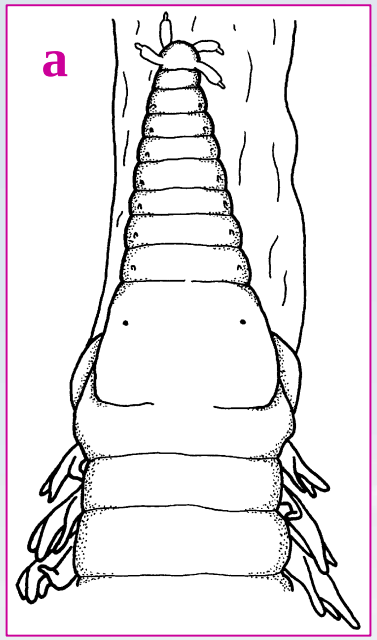
63b. 68-80 pairs of chevrons ; two acicular notochaetae with bent tip ..... ***Goniada multidentopsis*** PERKINS, 1980

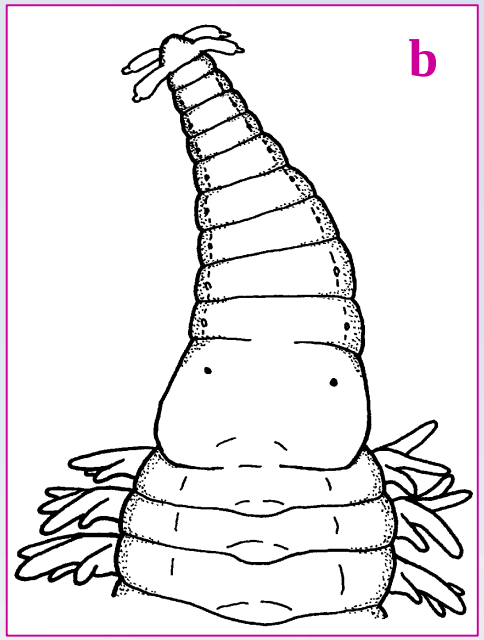




64a. Ventral proboscidial papillae all small, heart-shaped to rounded **65**

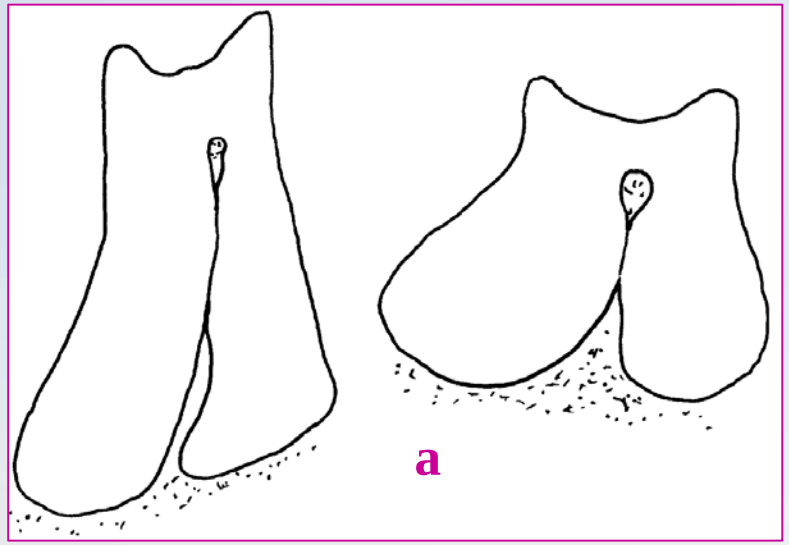
64b. Ventral proboscidial papillae in median part conical to globular with bifid tips or triangular with broad base **66**

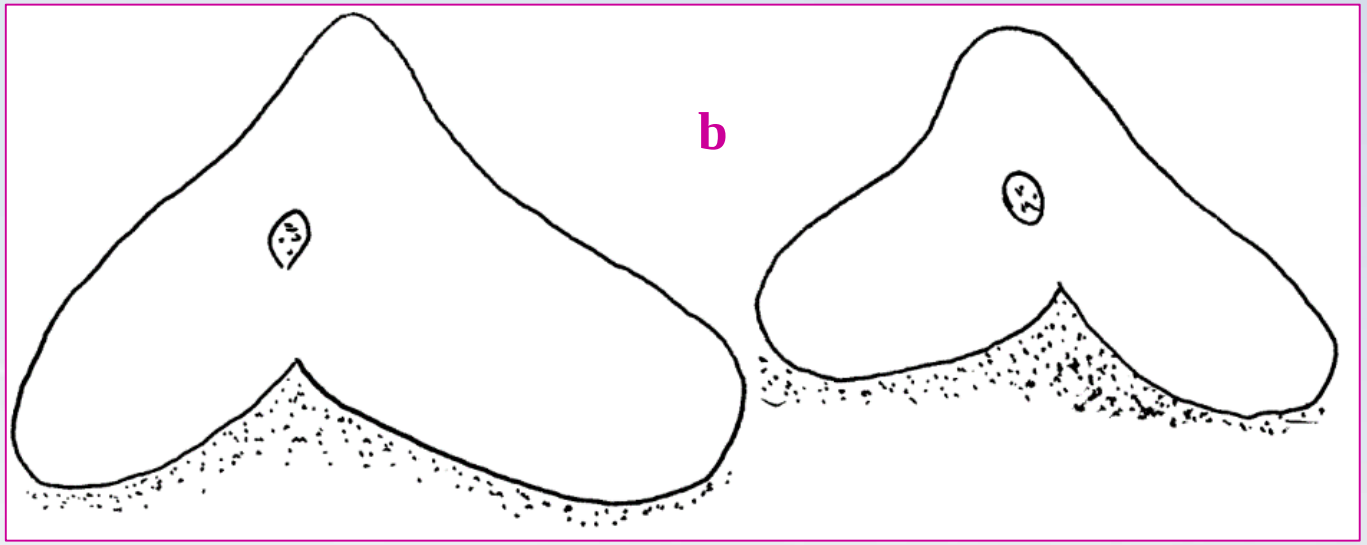




65a. Prostomium consisting of 9-10 rings ..... ***Goniada grahami*** BENHAM, 1932

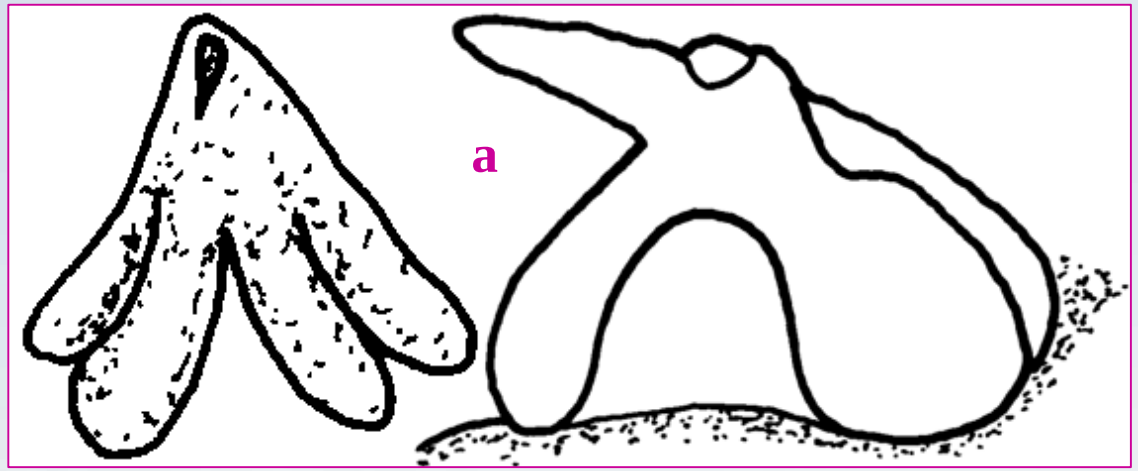
65b. Prostomium consisting of eleven rings ..... ***Goniada acicula*** HARTMAN, 1940

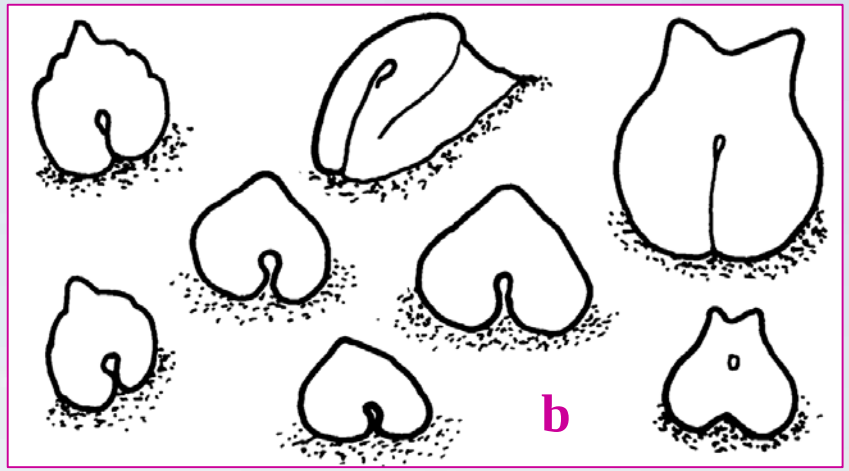




66a. (64) Ventral proboscidial papillae in median part conical to globular with bifid tips ..... ***Goniada teres*** TREADWELL, 1931

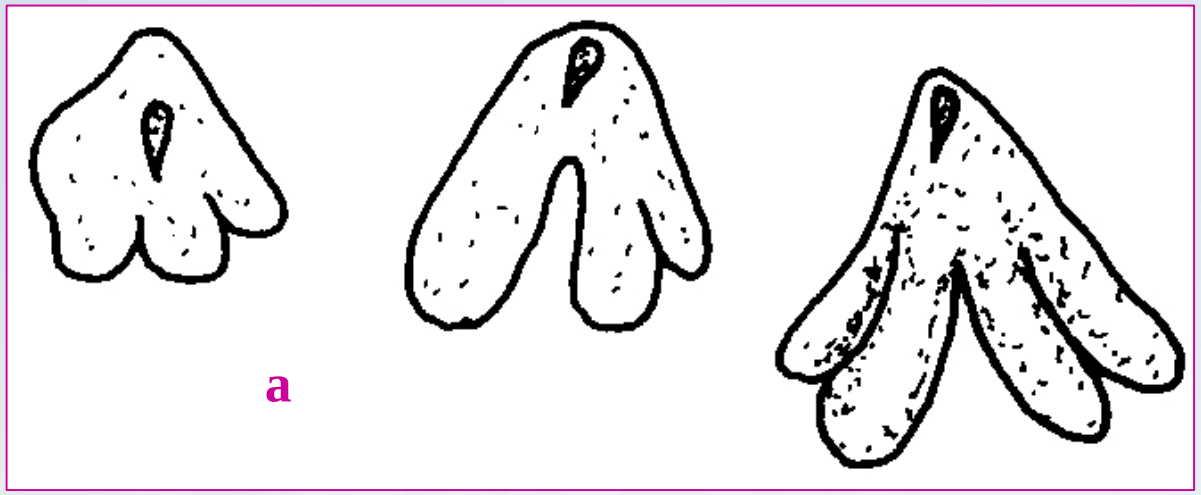
66b. Ventral proboscidial papillae in median part triangular with broad base ..... ***Goniada tripartita*** MONRO, 1931

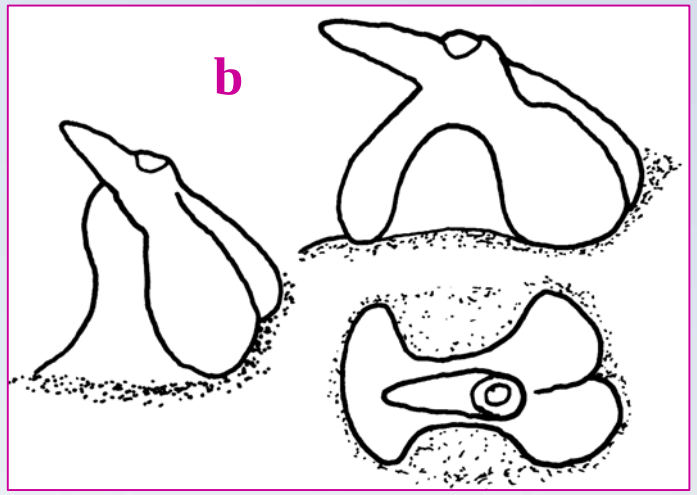




67a. (55) Longer conical papillae on distal part of proboscis **68**

67b. All proboscidial papillae short crown-shaped, heart-shaped, rectangular, rounded or sometimes globular with bifid tips **71**

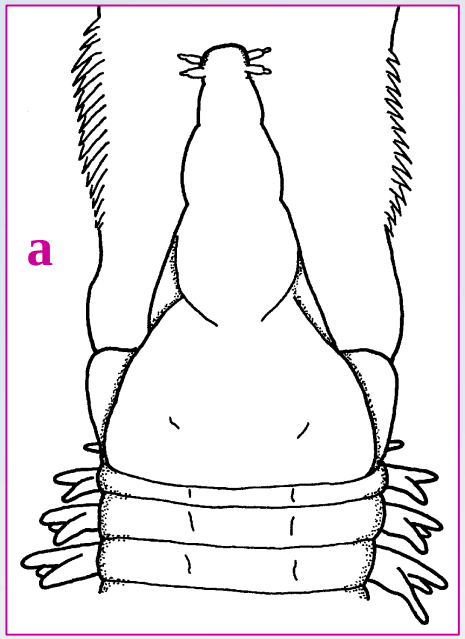


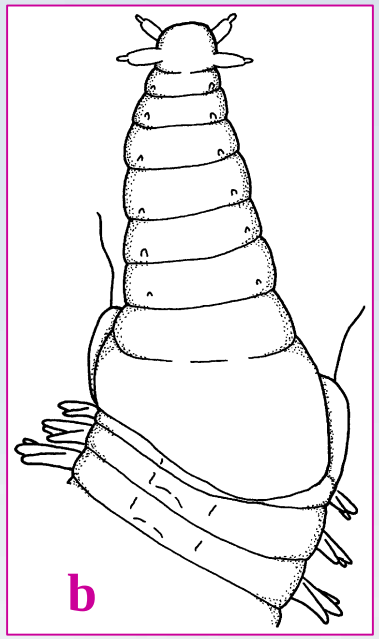


68a. More or less straight conical proboscidial papillae, basally with converging plates **69**

68b. Conical proboscidial papillae with distinct distal beaks, basally with two long stilts .....

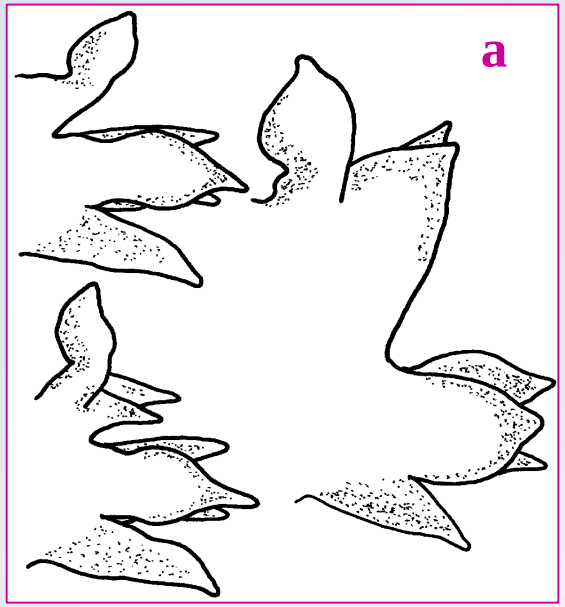
..... ***Goniada echinulata*** GRUBE, 1870

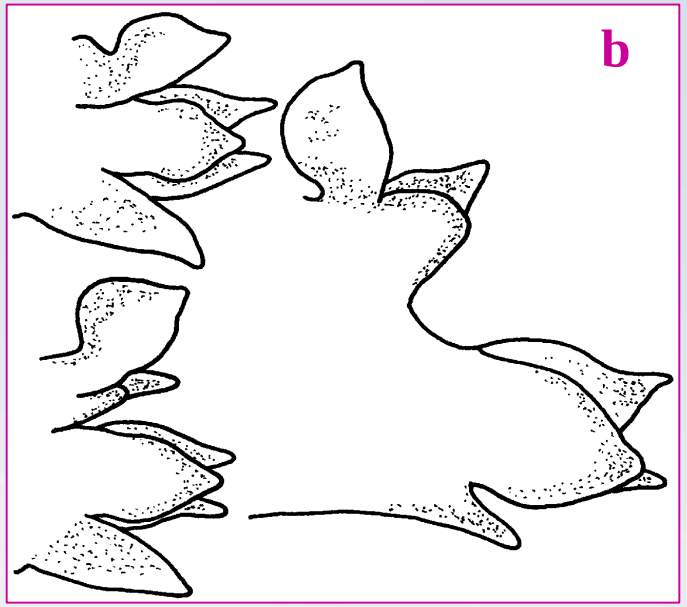




69a. Prostomium consisting of about five irregular, indistinct rings **70**

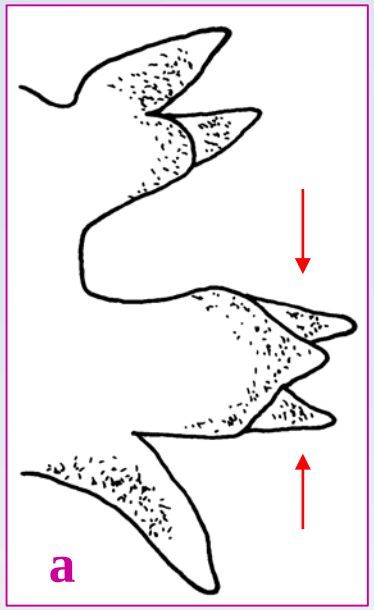
69b. Prostomium consisting of 8-10 distinct rings ..... ***Goniada pseudofoliacea*** BÖGGEMANN, 2005

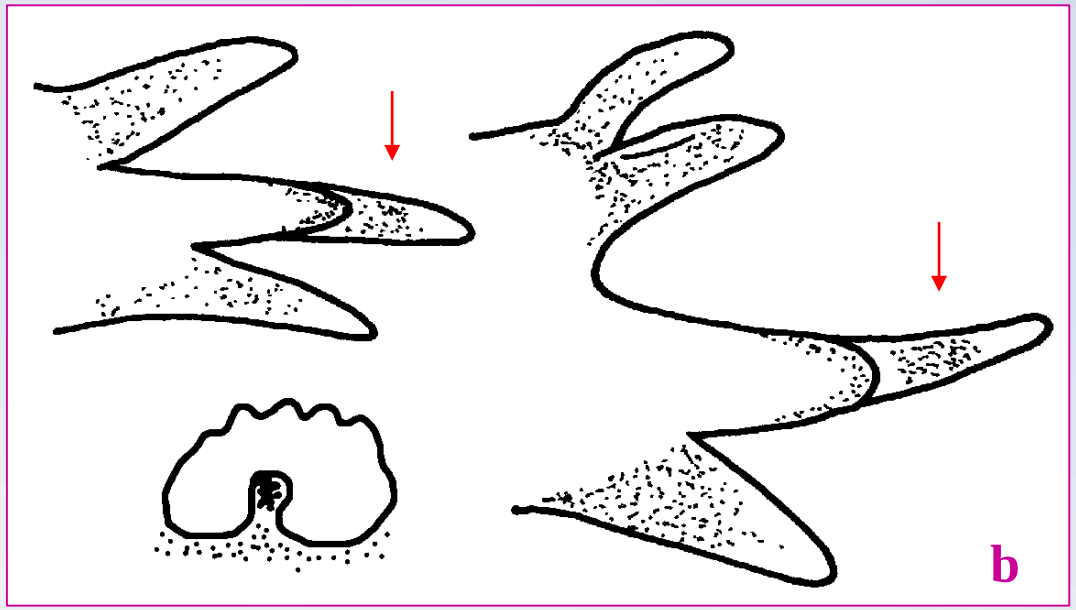




70a. 26-29 uniramous parapodia ..... ***Goniada congoensis*** GRUBE, 1877

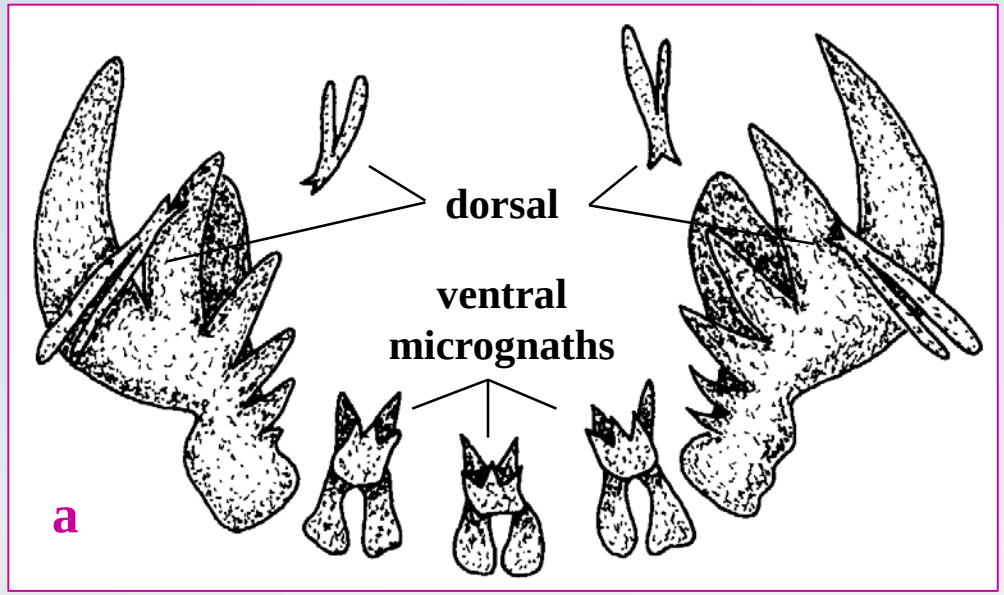
70b. 30-38 uniramous parapodia ..... ***Goniada foliacea*** MOORE, 1903

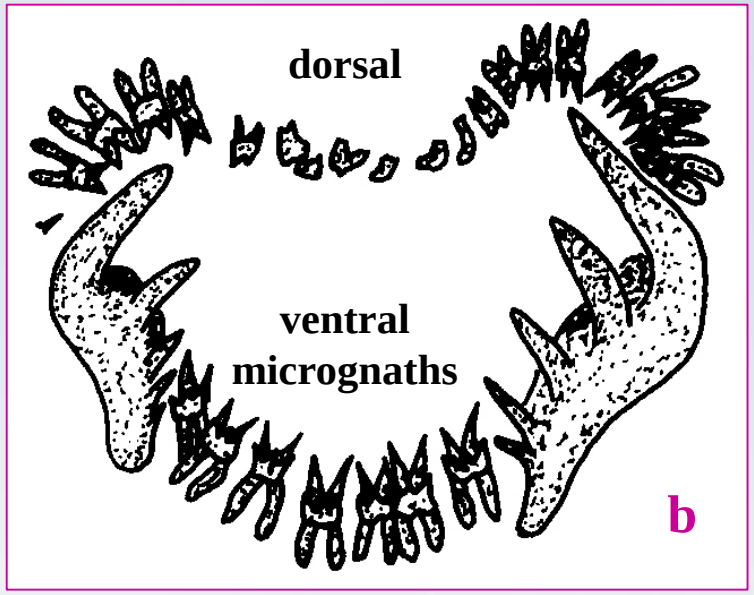




71a. (67) At least posterior parapodia with two neuropodial prechaetal lobes 72

71b. All parapodia with only one neuropodial prechaetal lobe; crown-shaped papillae with small teeth of about same size ..... ***Goniada corona*** BÖGGEMANN, 2005





72a. Only four simple inverted Y-shaped or rod-like dorsal micrognaths with small bifid tips **73**

72b. Numerous compound usually H+v/w-shaped and sometimes additional small H- or X-shaped dorsal micrognaths **81**

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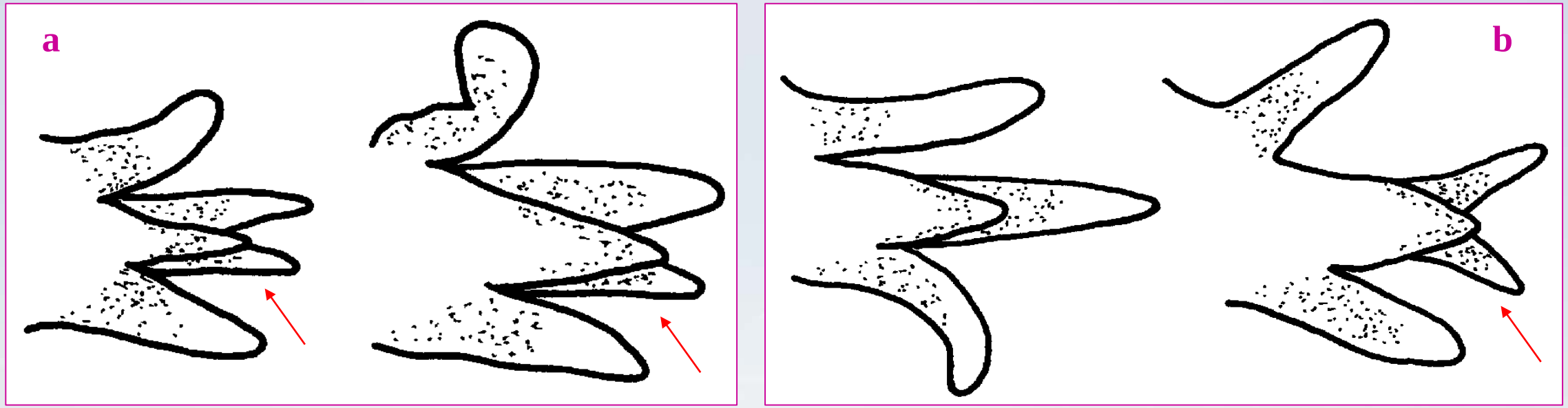
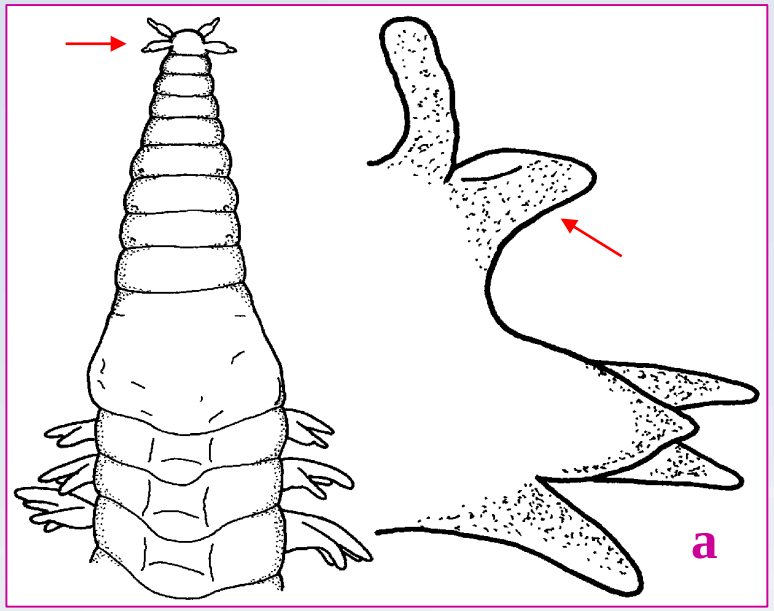
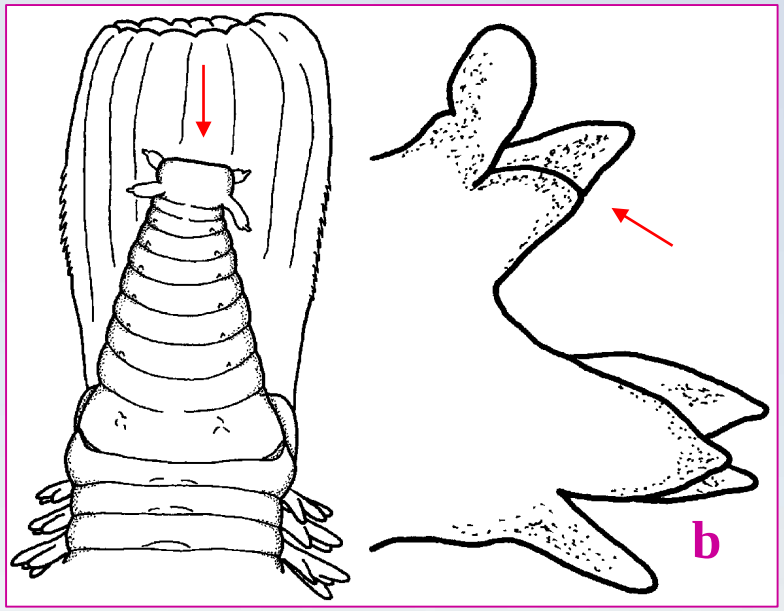


73a. Lower neuropodial prechaetal lobe developed from parapodium 2-7 (up to 13 in juvenile specimens) **74**

73b. Lower neuropodial prechaetal lobe developed from parapodium 14-51 ..... **76**

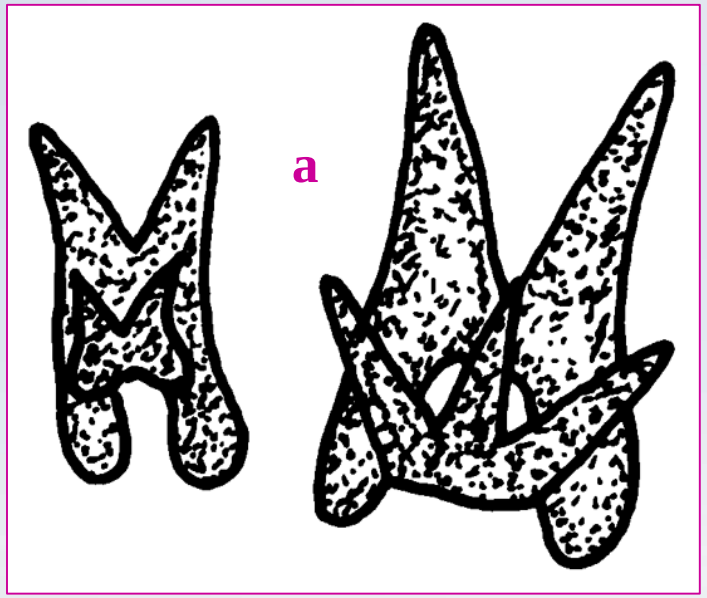


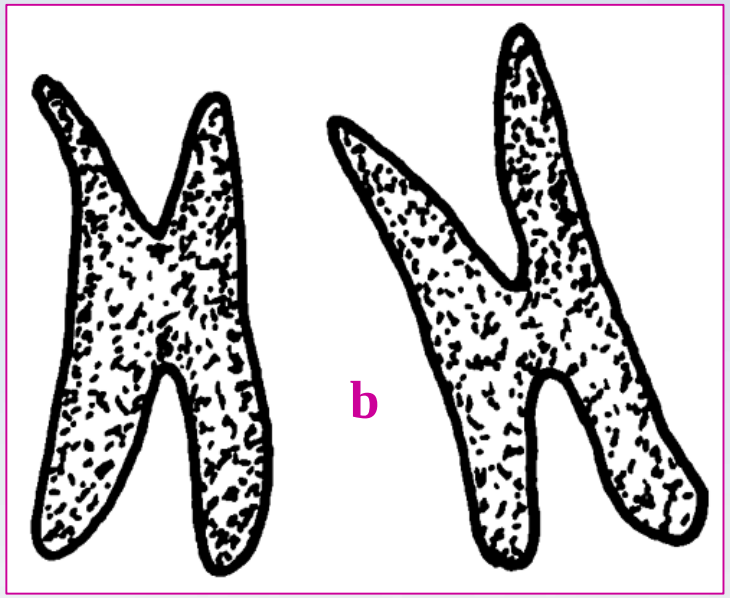


74a. Notopodia with single lobe; terminal part of prostomium pointed 75

74b. Notopodia subdivided into pre- and postchaetal lobes; terminal part of prostomium usually blunt .....

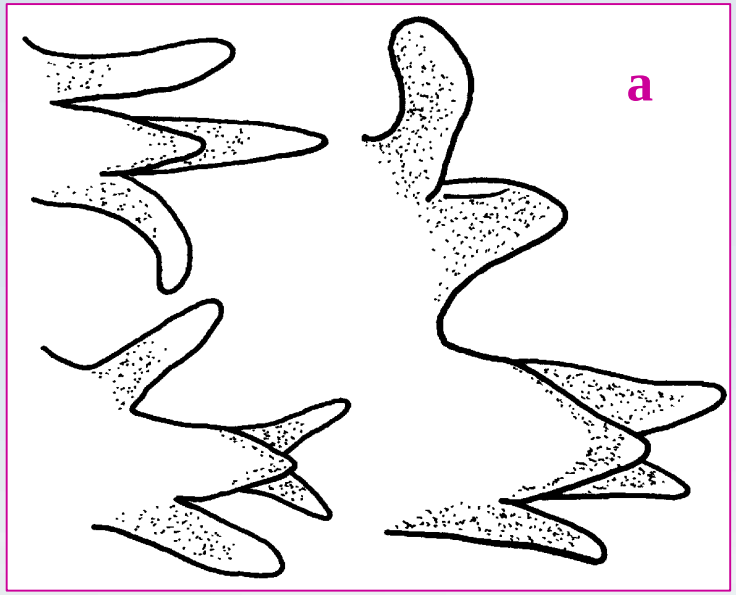
..... ***Goniada brunnea*** TREADWELL, 1906

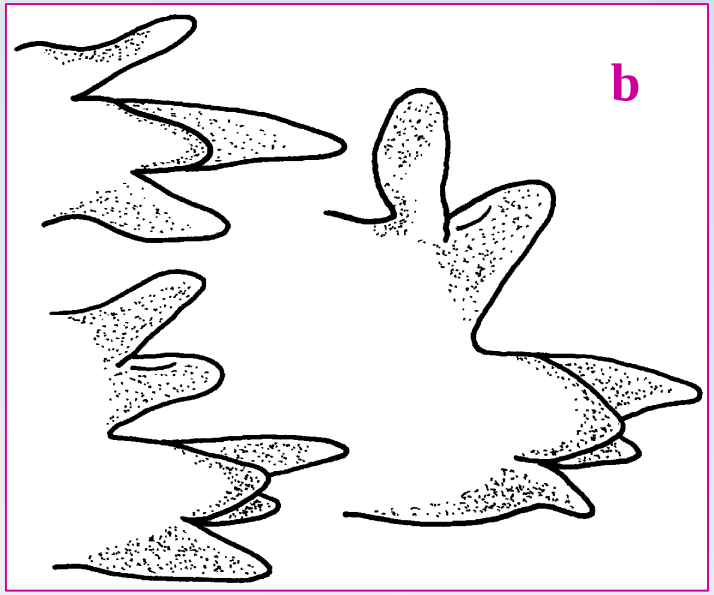




75a. Usually five H+v/w-shaped compound ventral micrognaths ..... ***Goniada antipoda*** AUGENER, 1927

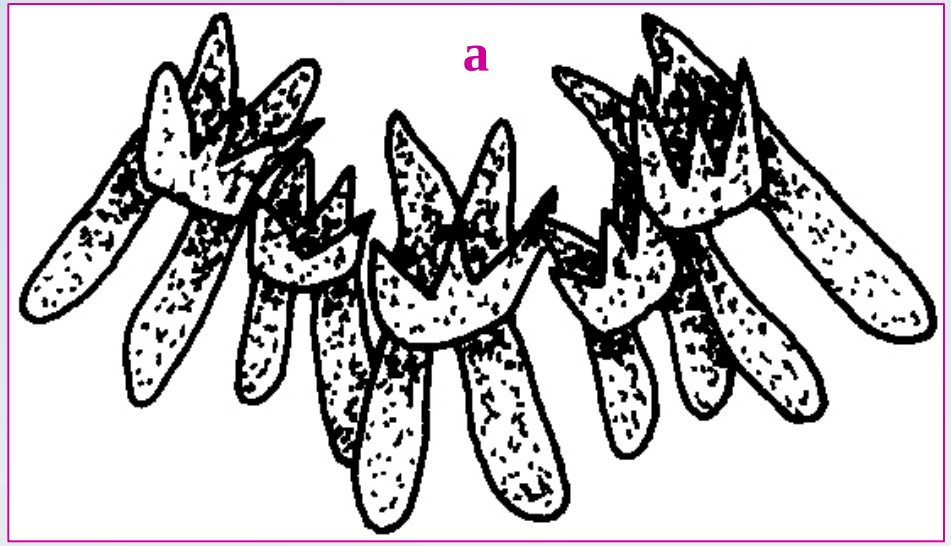
75b. Usually three H-shaped simple ventral micrognaths ..... ***Goniada virgini*** KINBERG, 1865

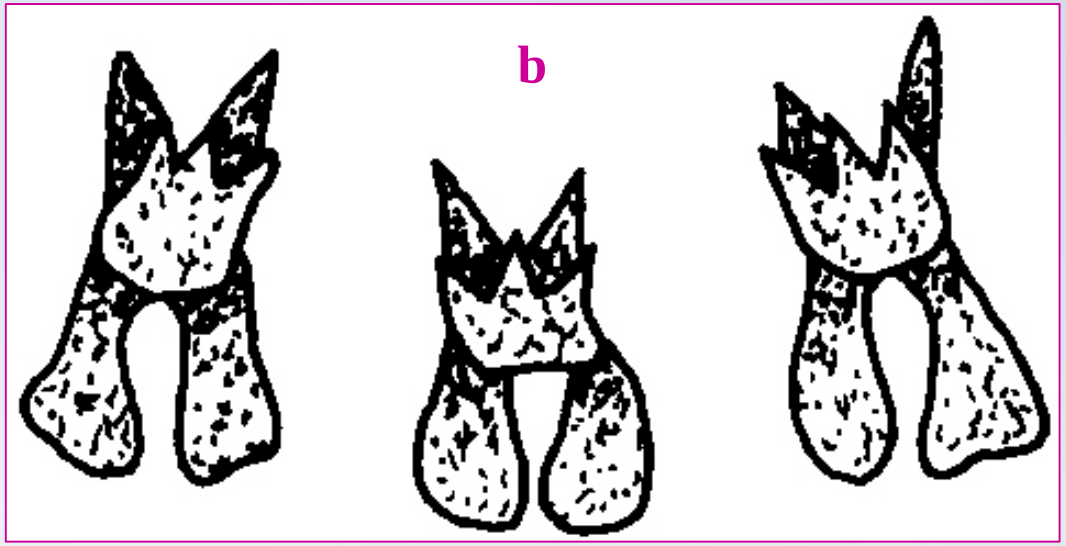




76a. (73) At least 23 uniramous parapodia 77

76b. 21-22 uniramous parapodia ..... ***Goniada asiatica*** HARTMAN, 1974





77a. Usually five or more compound ventral micrognaths **78**

77b. Usually three compound ventral micrognaths **79**

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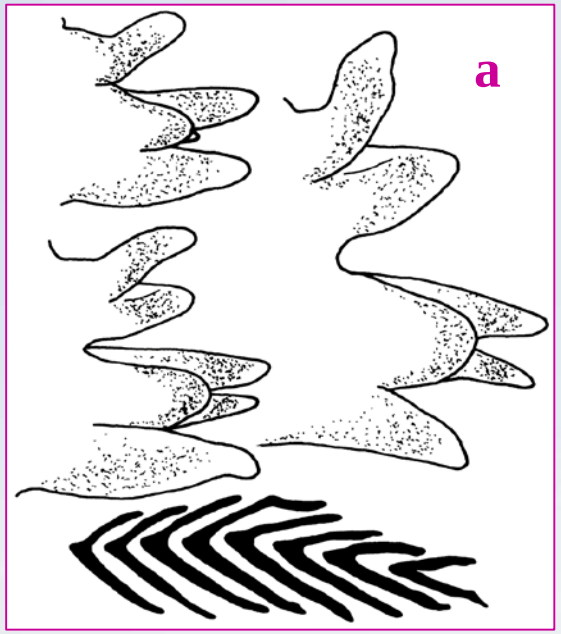
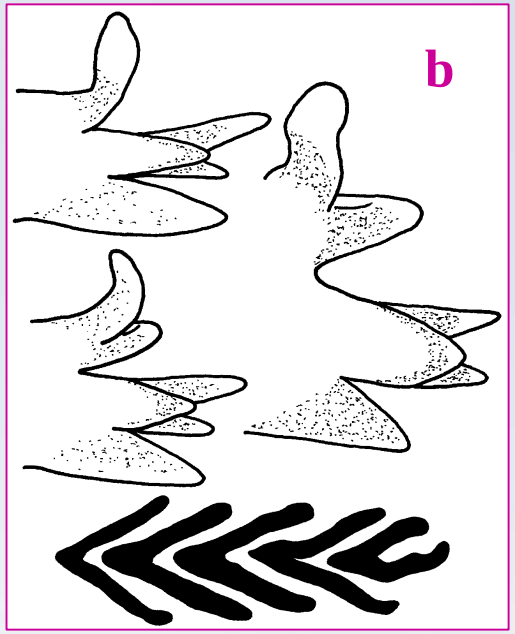
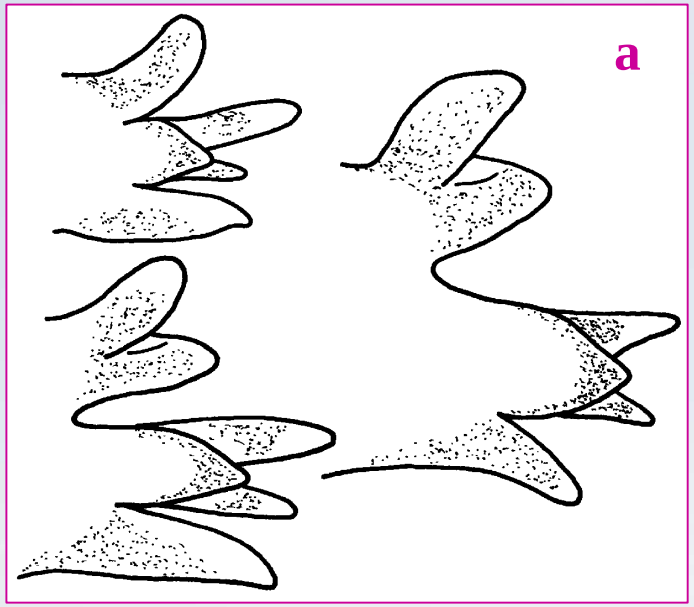
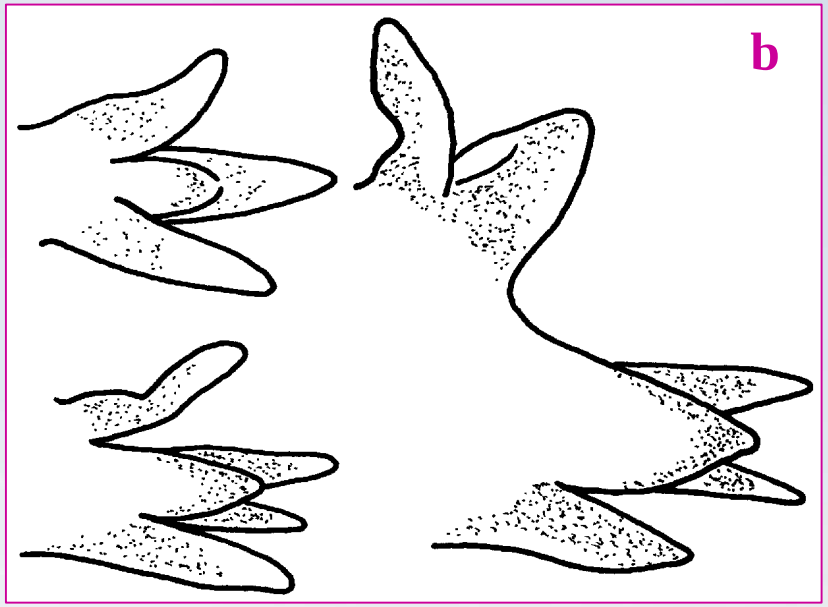




78a. 23-33 uniramous parapodia; 7-15 pairs of chevrons ..... ***Goniada crudelis*** (KINBERG, 1865)

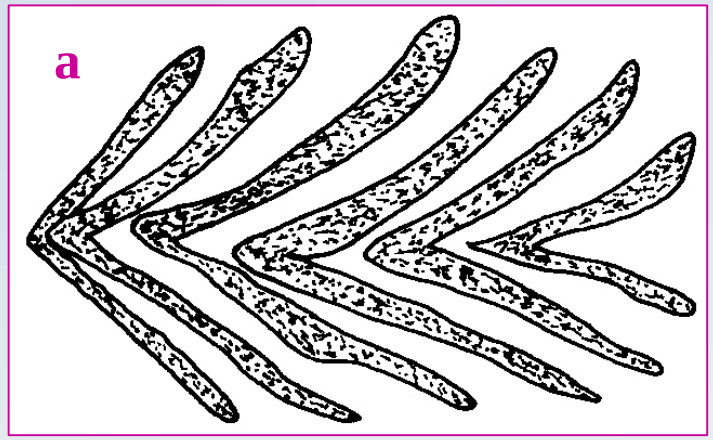
78b. 34-38 uniramous parapodia; 4-6 pairs of chevrons ..... ***Goniada indooceanica*** BÖGGEMANN, 2005

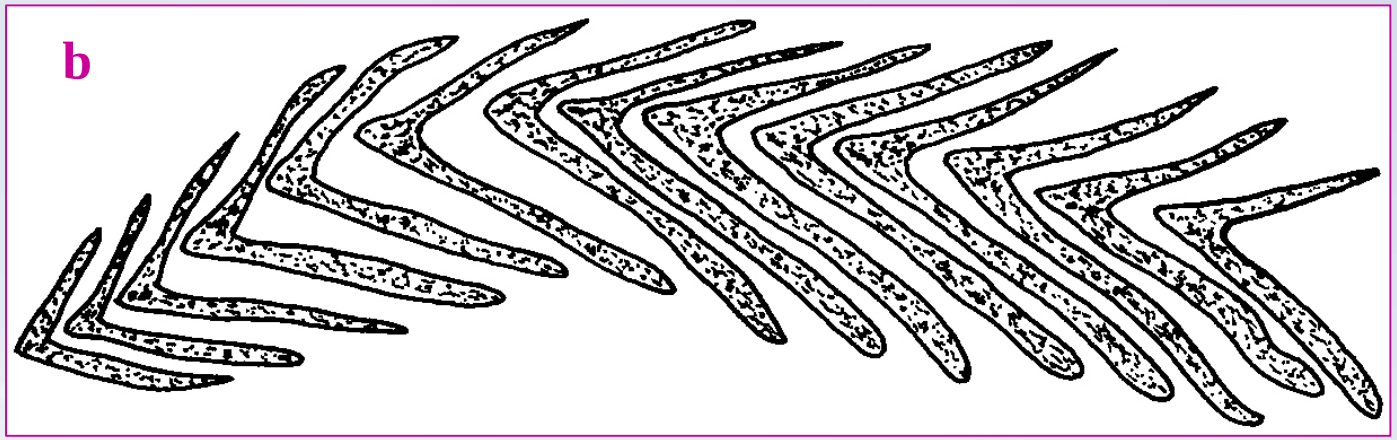




79a. (77) Up to 30 uniramous parapodia **80**

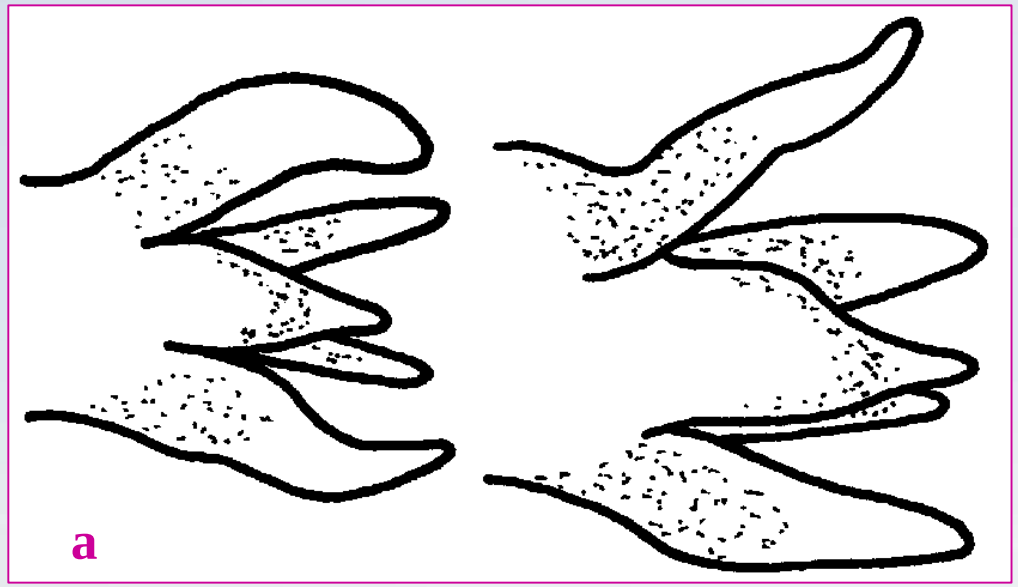
79b. 31-51 (60) uniramous parapodia ..... ***Goniada maculata*** ÖRSTED, 1843

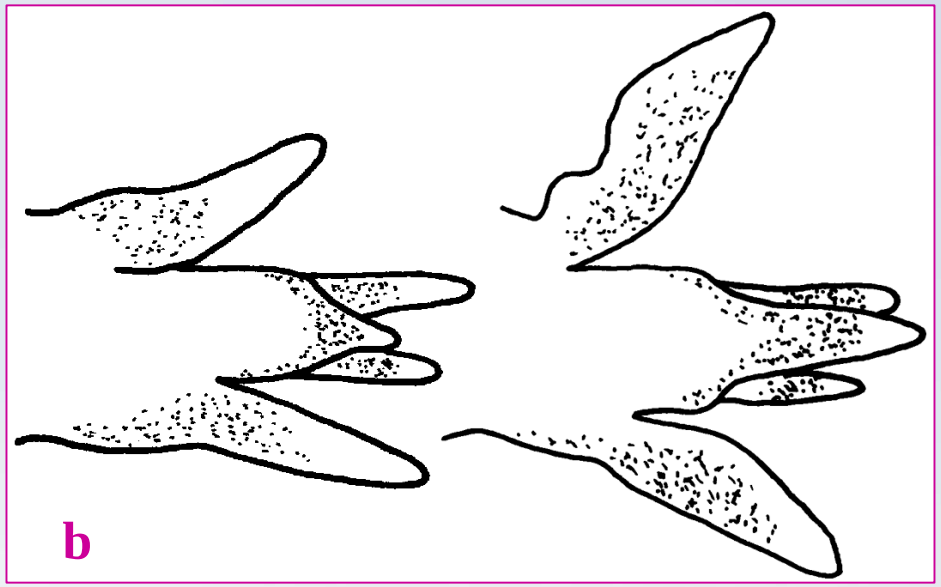




80a. Usually 6-7 pairs of chevrons ..... ***Goniada hexadentes*** BÖGGEMANN & EIBYE-JACOBSEN, 2002

80b. Usually 9-15 pairs of chevrons ..... ***Goniada apisiti*** BÖGGEMANN & EIBYE-JACOBSEN, 2002





81a. (72) Up to 38 uniramous parapodia **82**

81b. At least 45 uniramous parapodia **83**

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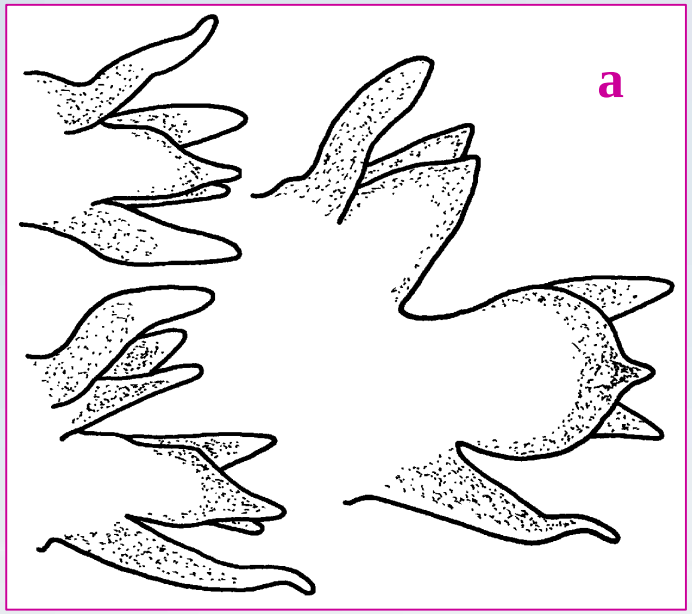
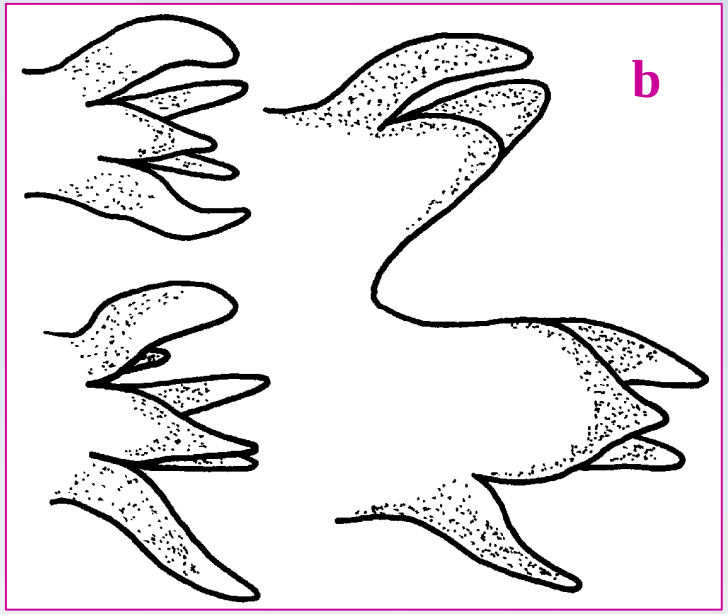
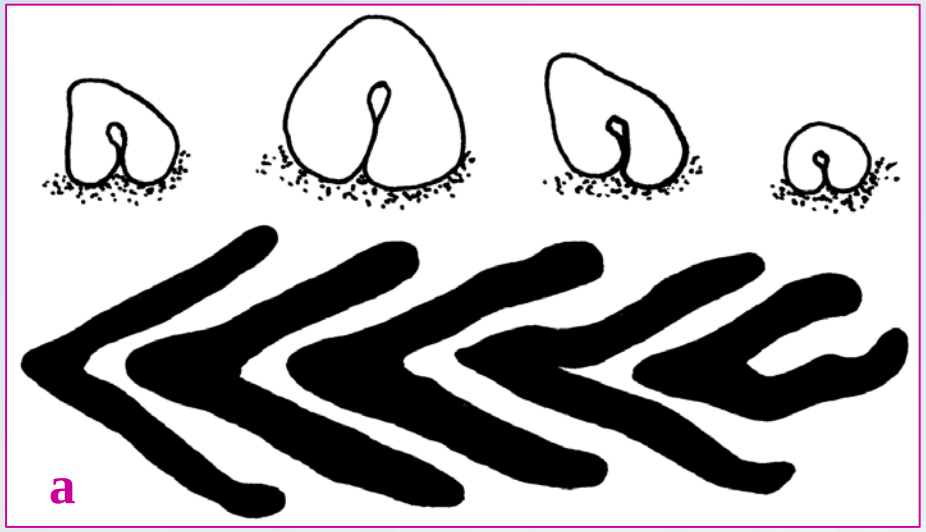
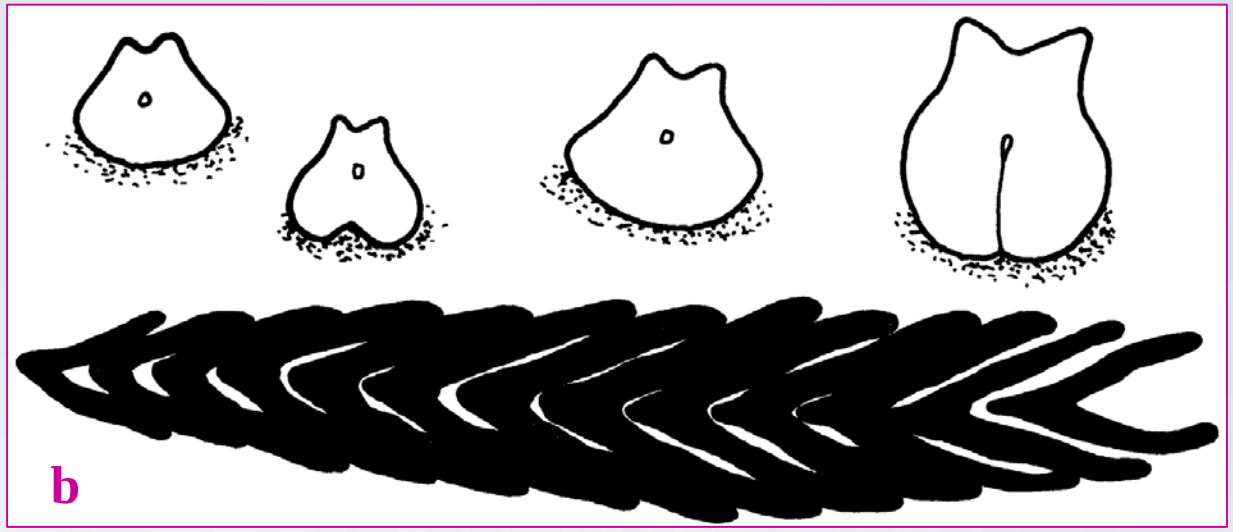




82a. 24 uniramous parapodia ..... ***Goniada rottnestensis*** BÖGGEMANN, 2005

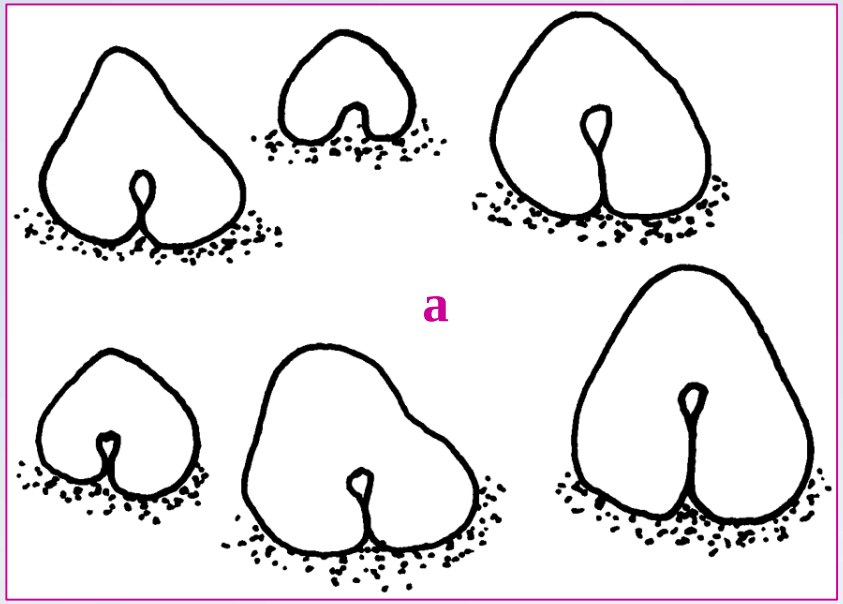
82b. 29-38 uniramous parapodia ..... ***Goniada norvegica*** ÖRSTED, 1845

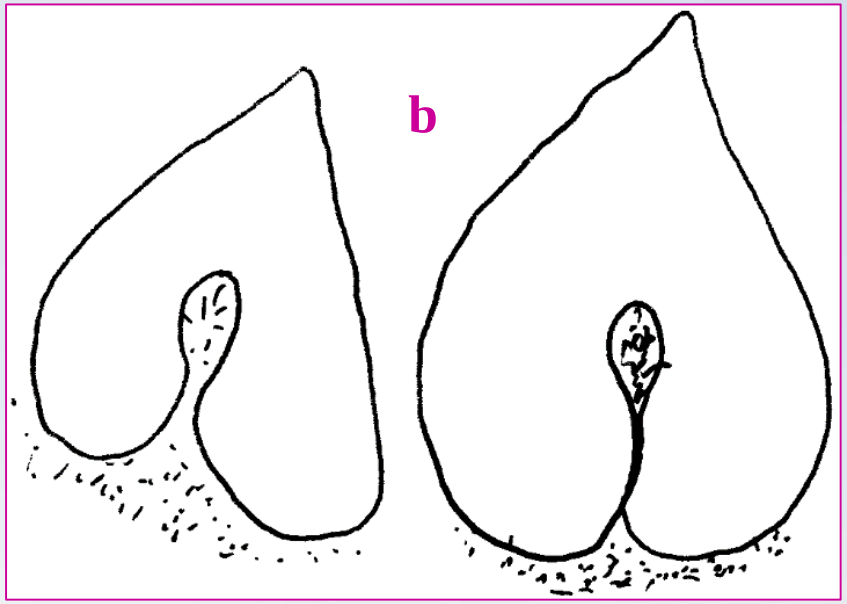




83a. (**81**) Ventral proboscidial papillae rounded, heart-shaped or triangular; usually up to nine pairs of chevrons **84**

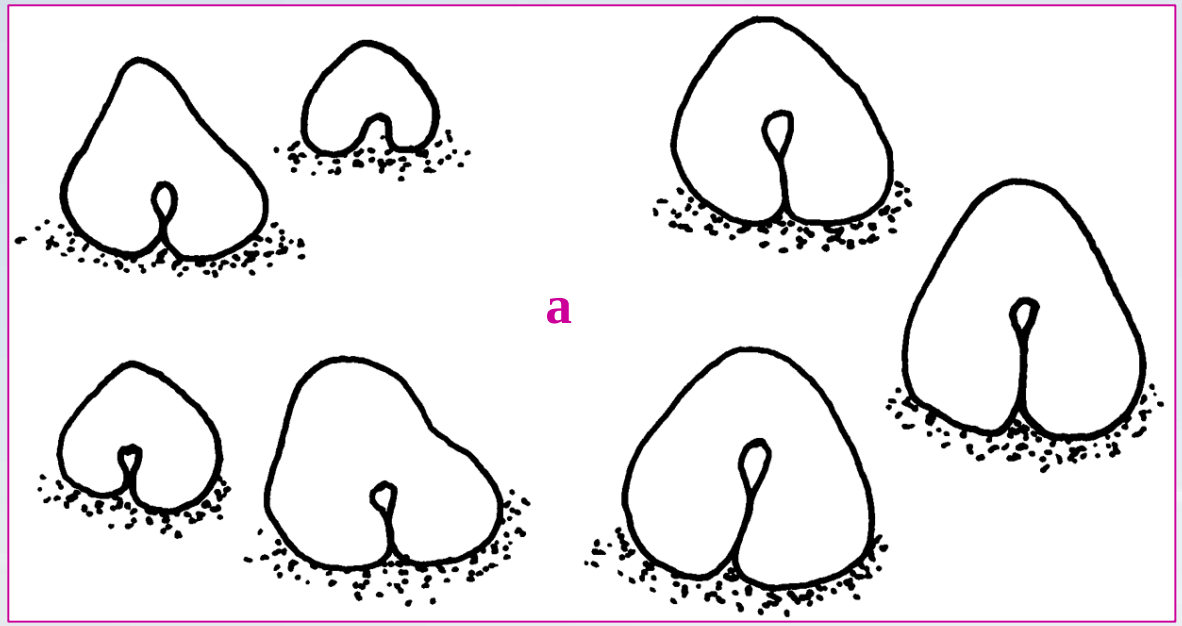
83b. Ventral proboscidial papillae in median part conical to globular with bifid tip; 9-36 pairs of chevrons ..... ***Goniada vorax*** (KINBERG, 1865)

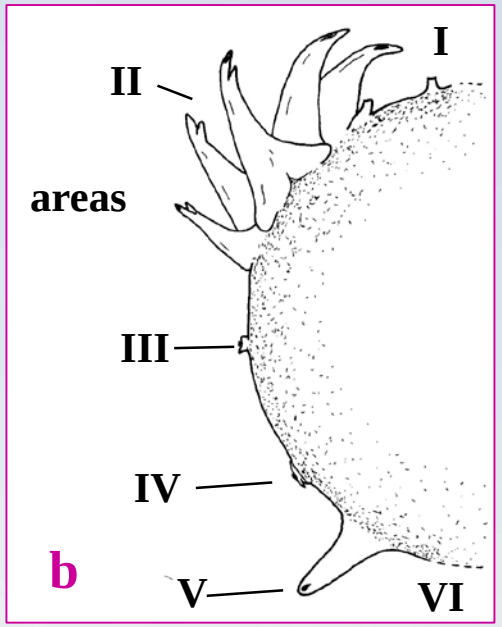




84a. Dorsal proboscidial papillae mainly rounded to heart-shaped ..... ***Goniada gigantea*** (VERRILL, 1885)

84b. Dorsal proboscidial papillae mainly heart-shaped with pointed tip ..... ***Goniada paucidens*** GRUBE, 1878





85a. (47) Proboscidial papillae of slightly different types, irregularly arranged; with macrognaths and dorsal and ventral microgna ths; anterior part of body with uniramous parapodia, following region with biramous parapodia, transitional region may be present 86

85b. Proboscidial papillae of several different types, arranged in distinct longitudinal rows (areas) 90

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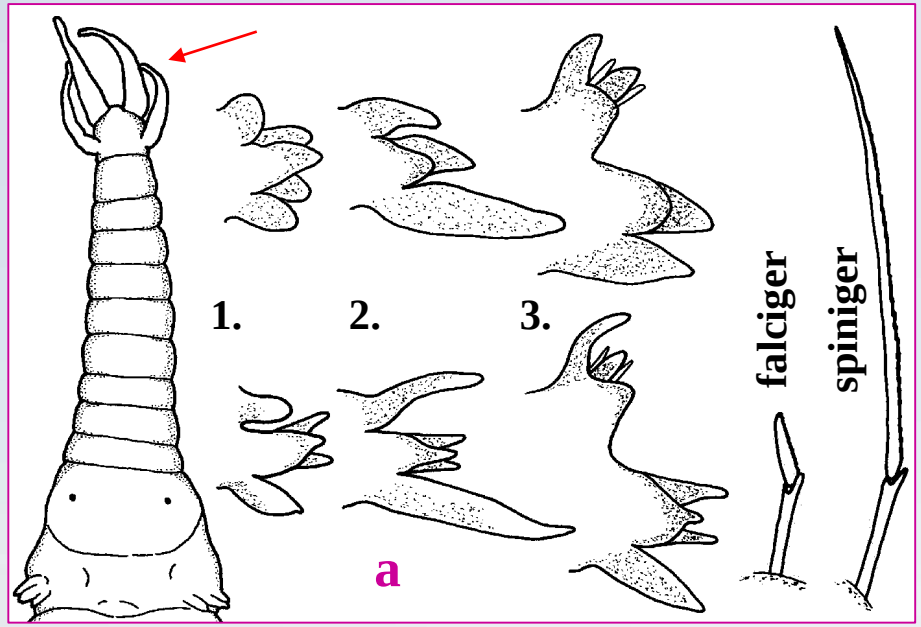

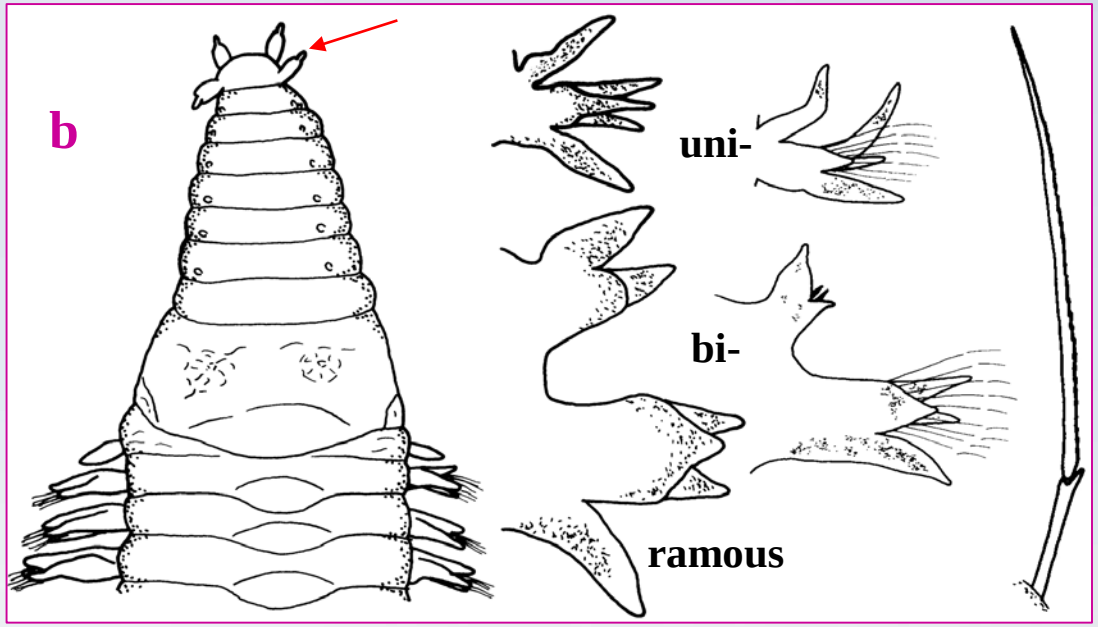

86a. Terminal appendages simple or only indistinctly articulated; body divided into three regions: 1. uniramous parapodia, short cirri, falcigerous compound chaetae, 2. uniramous parapodia, elongated ventral cirri, falcigerous and/or spinigerous compound chaetae, 3. biramous parapodia, acicular notochaetae sometimes with terminal guarded hooks, falcigerous and/or spinigerous compound neurochaetae 87

86b. Terminal appendages biarticulated; anterior part of body with uniramous parapodia, following region with biramous parapodia; spinigerous compound neurochaetae 89

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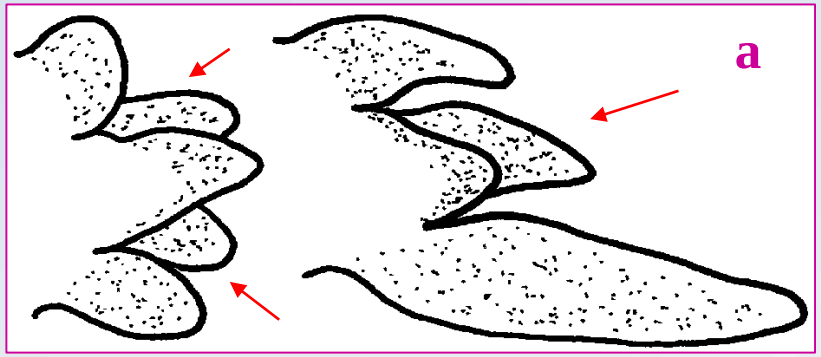
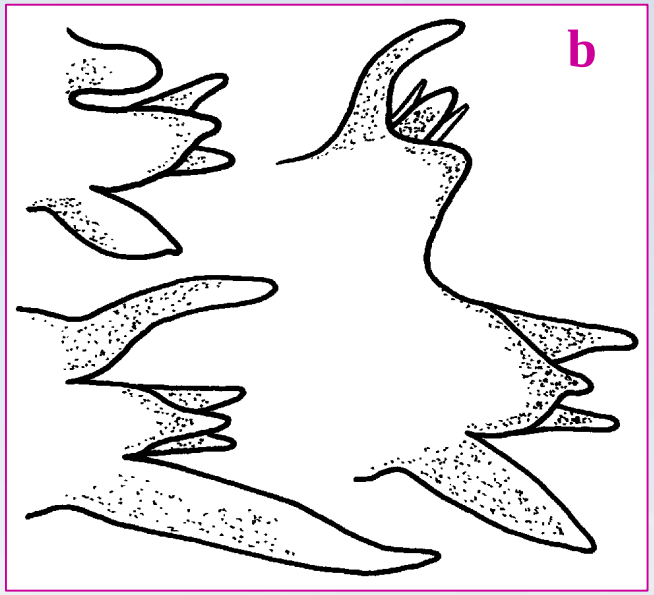
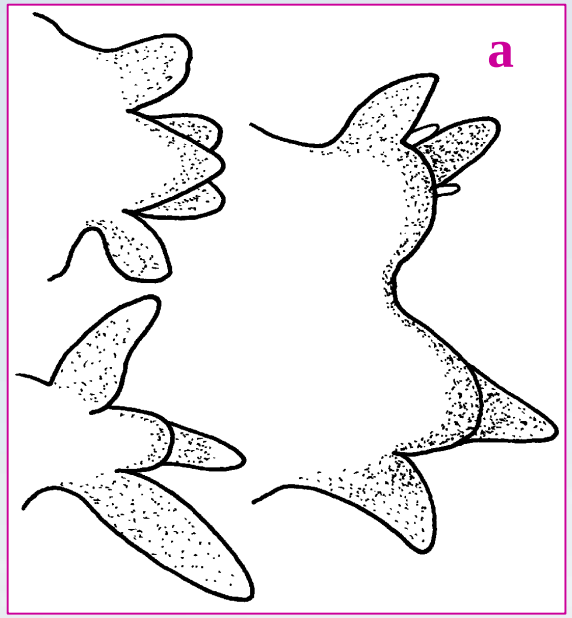
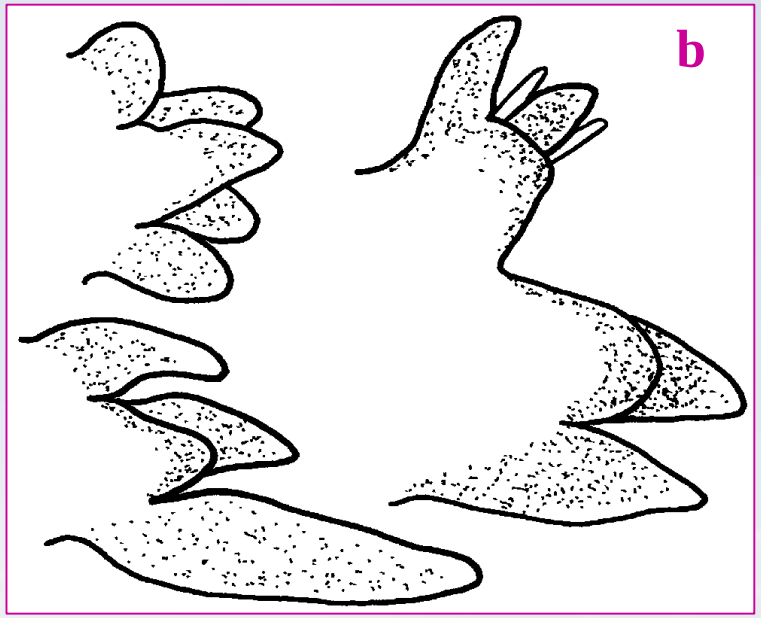




87a. Anterior parapodia with two and following parapodia with one neuropodial prechaetal lobe **88**

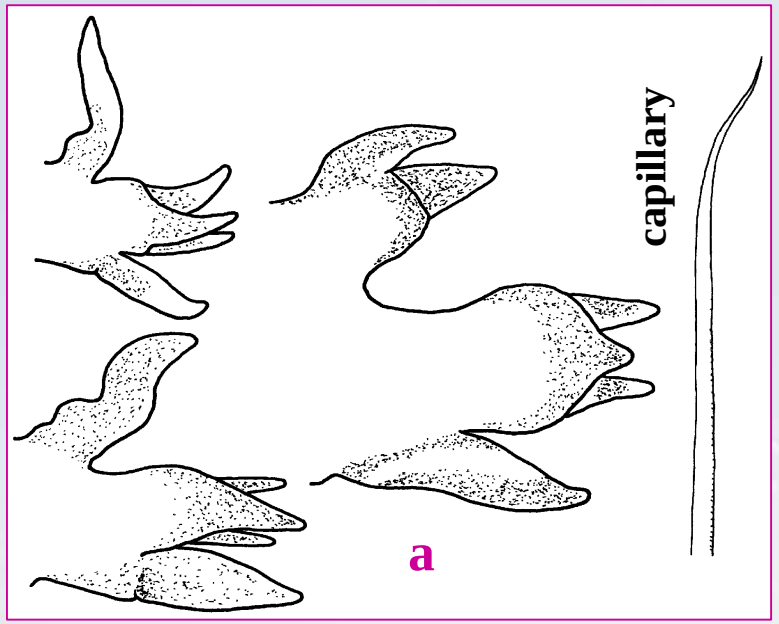
87b. All parapodia with two neuropodial prechaetal lobes ..... ***Goniadopsis longicirrata*** (ARWIDSSON, 1899)

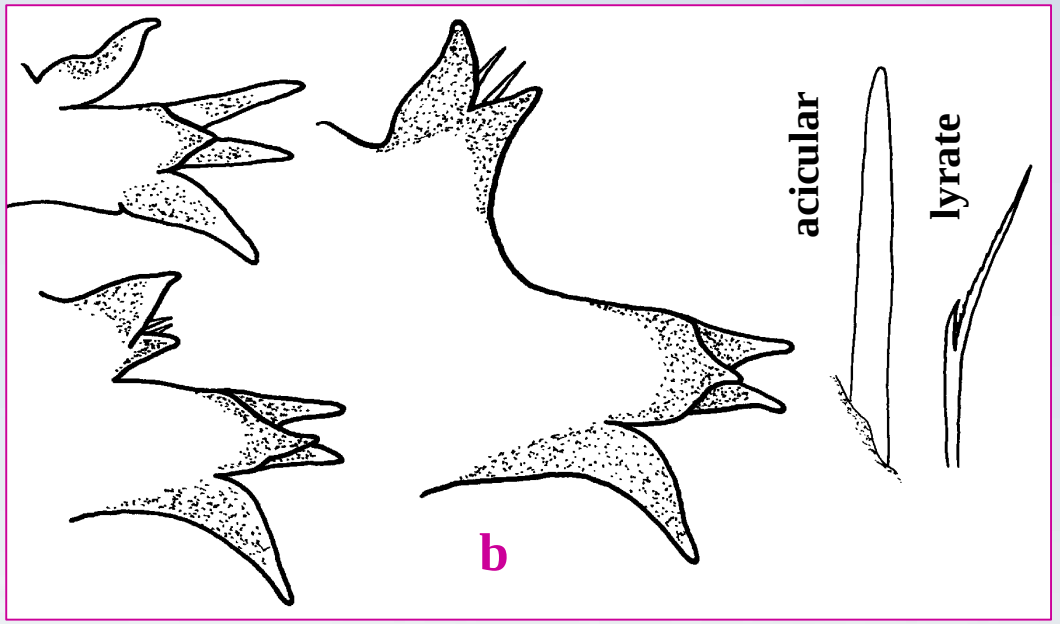




88a. 44-46 uniramous parapodia ..... ***Goniadopsis maskallensis*** (GRAVIER, 1904)

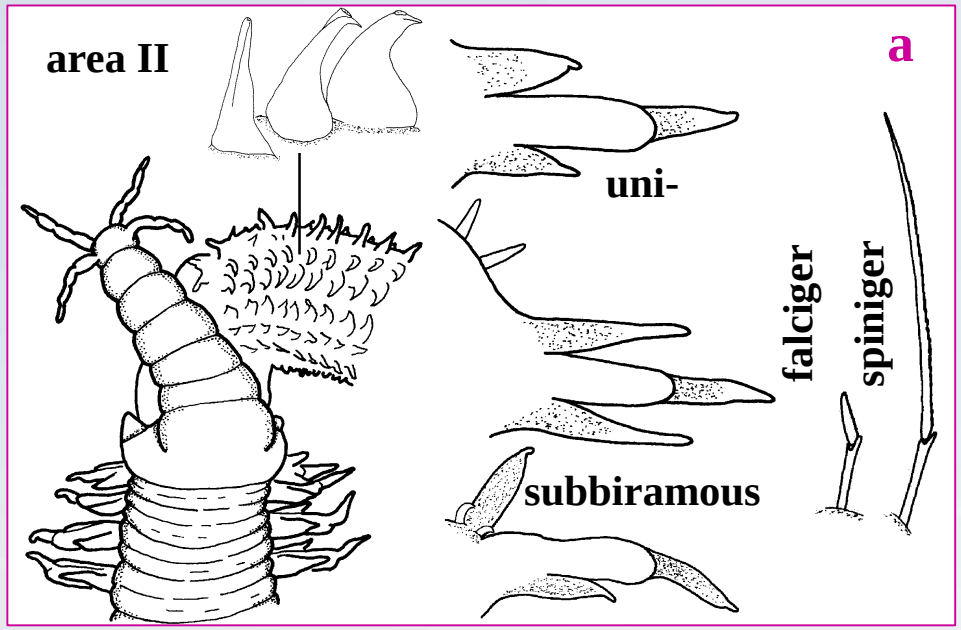
88b. 62-75 uniramous parapodia ..... ***Goniadopsis agnesiae*** FAUVEL, 1928

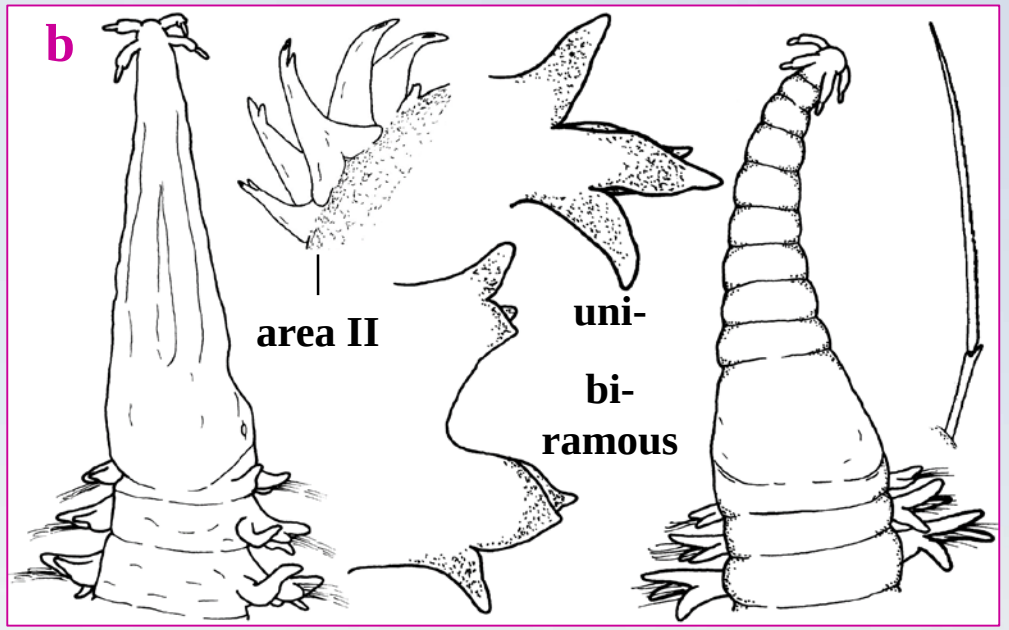




89a. (86) Notochaetae capillary (normally with chevrons (84), but might be lost in very large specimens during the growth) ..... ***Goniada gigantea*** (VERRILL, 1885)

89b. Notochaetae acicular; biramous parapodia with a few additional lyrate chaetae in superior position ..... ***Ophiogoniada lyra*** GRANADOS-BARBA & SOLÍS-WEISS, 1997





90a. (85) Anterior with uni-, following region with subbiramous parapodia; prostomium consisting of eight rings, appendages biarticulate, which may be appear to be tri- or quadriarticulated; proboscidial area II with three rows of papillae; neurochaetae compound spinigers and/or falcigers 91

90b. Anterior with uni-, following region with biramous parapodia; prostomium smooth or annulated, appendages biarticulated; proboscidial area II with 5-6 rows of papillae; neurochaetae compound spinigers 95

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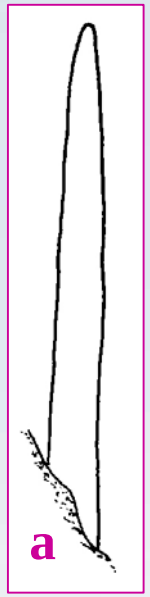
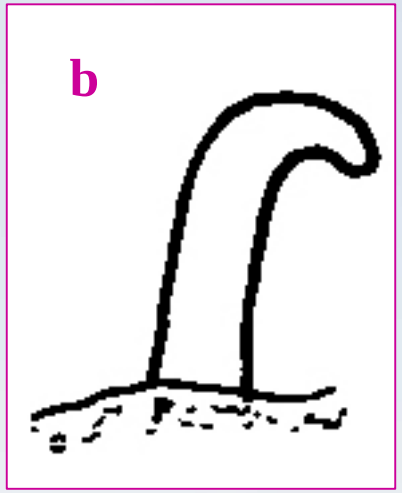
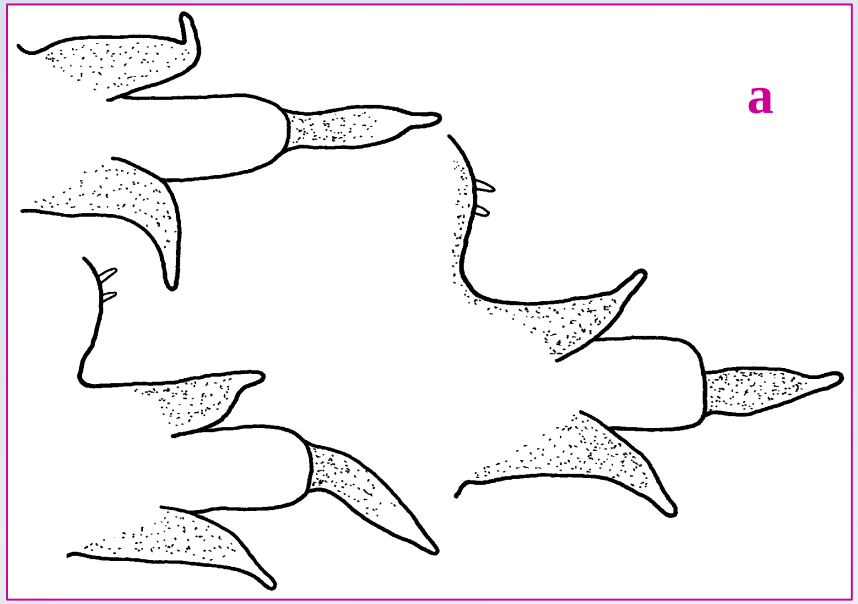
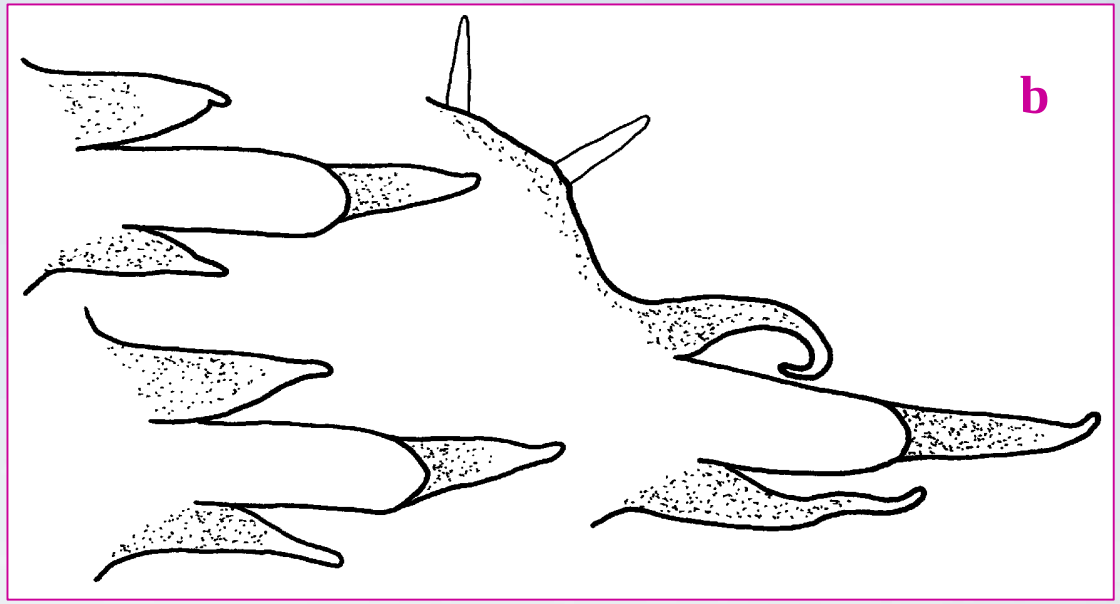




91a. Acicular notochaetae more or less straight 92

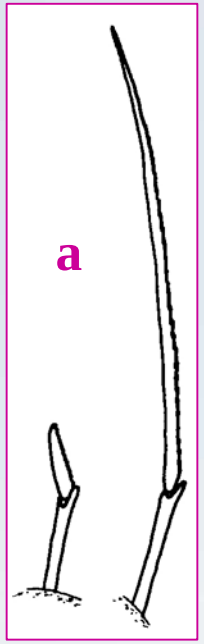
91b. Acicular notochaetae with distinctly curved tip 94

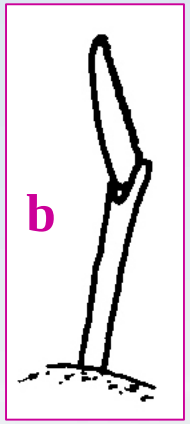




92a. 12-31 uniramous parapodia **93**

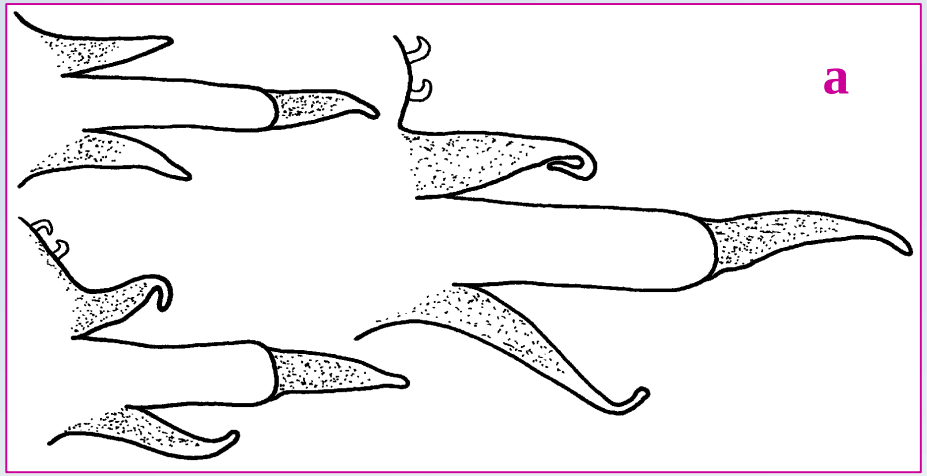
92b. 39(-45) uniramous parapodia ..... ***Goniadides abidjanensis*** INTES & LŒUFF, 1975

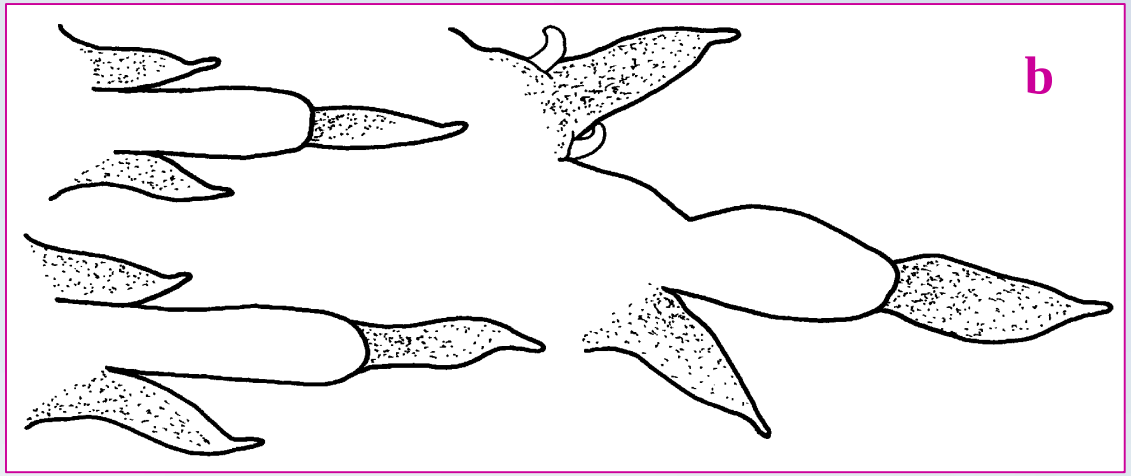




93a. Falcigerous and spinigerous chaetae present ..... ***Goniadides aciculata*** HARTMANN-SCHRÖDER, 1960

93b. Only falcigerous chaetae present ..... ***Goniadides falcigera*** HARTMANN-SCHRÖDER, 1962

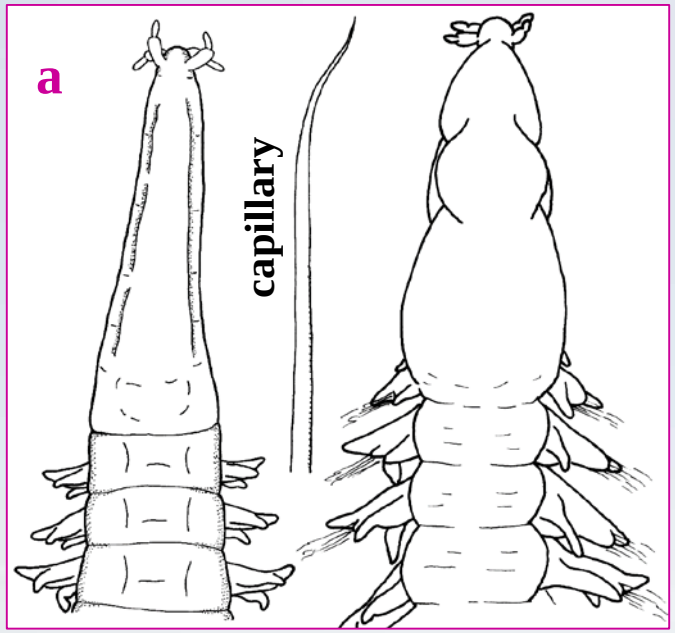


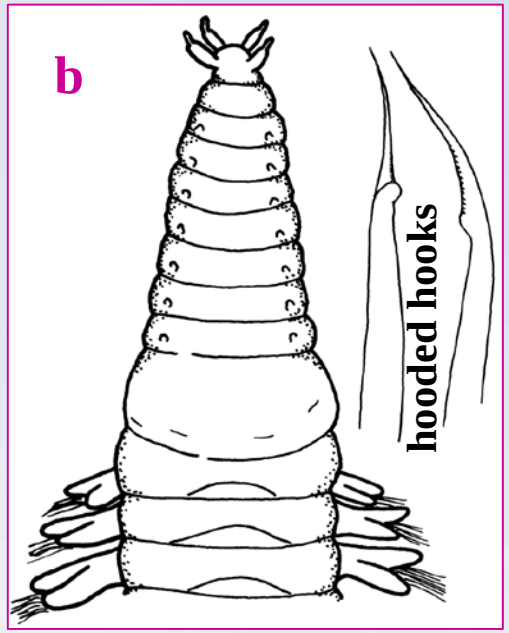


94a. (**91**) 7-9 uniramous parapodia; notochaetae arising dorsal to dorsal cirri ..... ***Goniadides carolinae*** DAY, 1973

94b. 47 uniramous parapodia; notochaetae arising at level of dorsal cirri .....

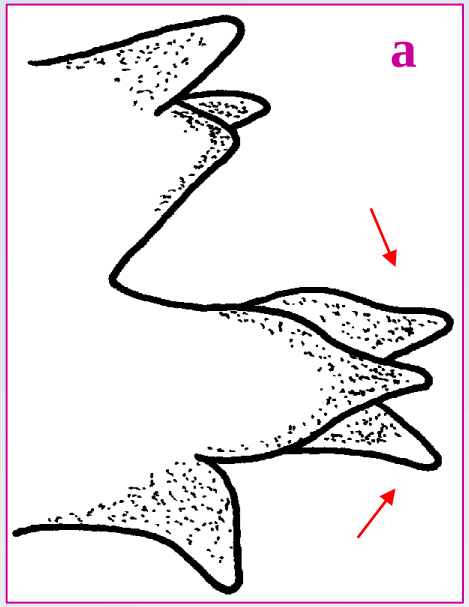
..... ***Goniadides madagascariensis*** BÖGGEMANN, 2005

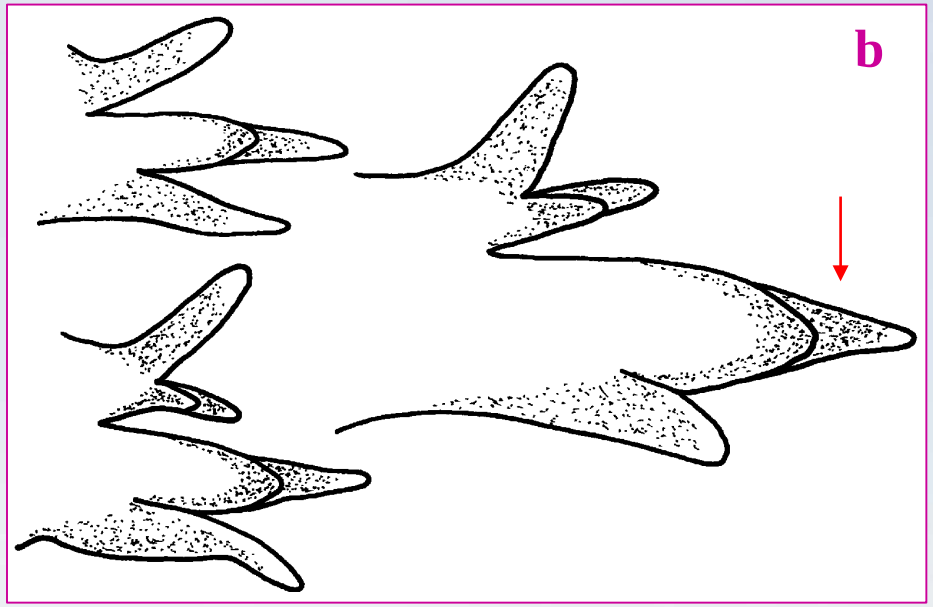




95a. (90) Notochaetae capillary; prostomium smooth or indistinctly annulated; proboscidial area II with five or six rows of papillae; with macrognaths and dorsal microgna<u>ths</u> **96**

95b. Notochaetae stout, hooked at tip and with terminal pointed hood; prostomium annulated; proboscidial area II with six rows of papillae; with macrognaths and dorsal and sometimes ventral microgna<u>ths</u> **100**

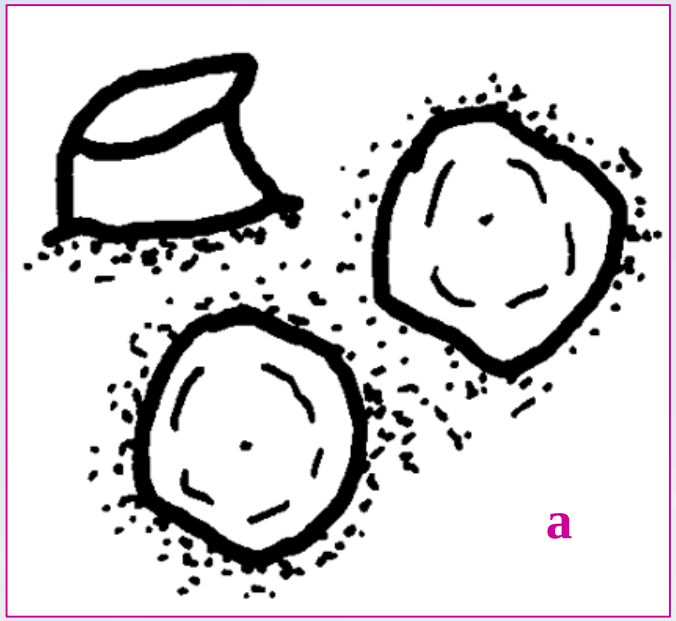


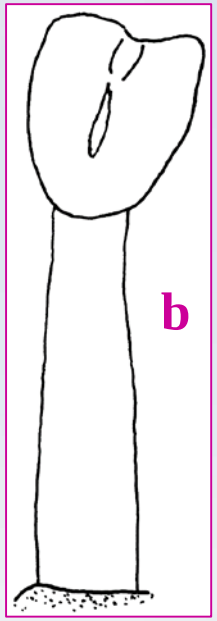


96a. Posterior parapodia with two neuropodial prechaetal lobes; proboscidial area II with five rows **97**

96b. All parapodia with only one neuropodial prechaetal lobe; proboscidial area II with six rows .....

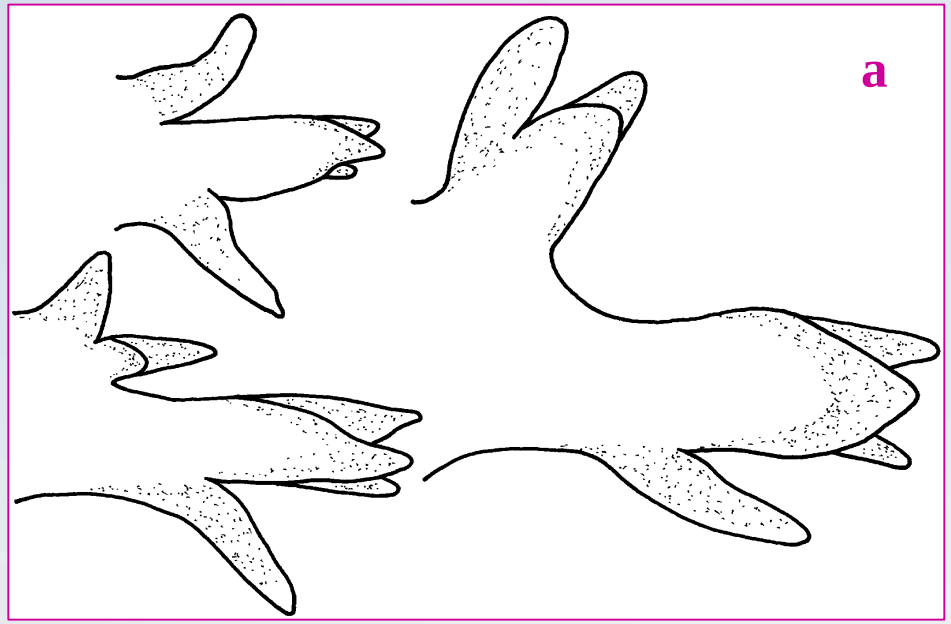
..... ***Bathyglycinde profunda*** (HARTMAN & FAUCHALD, 1971)

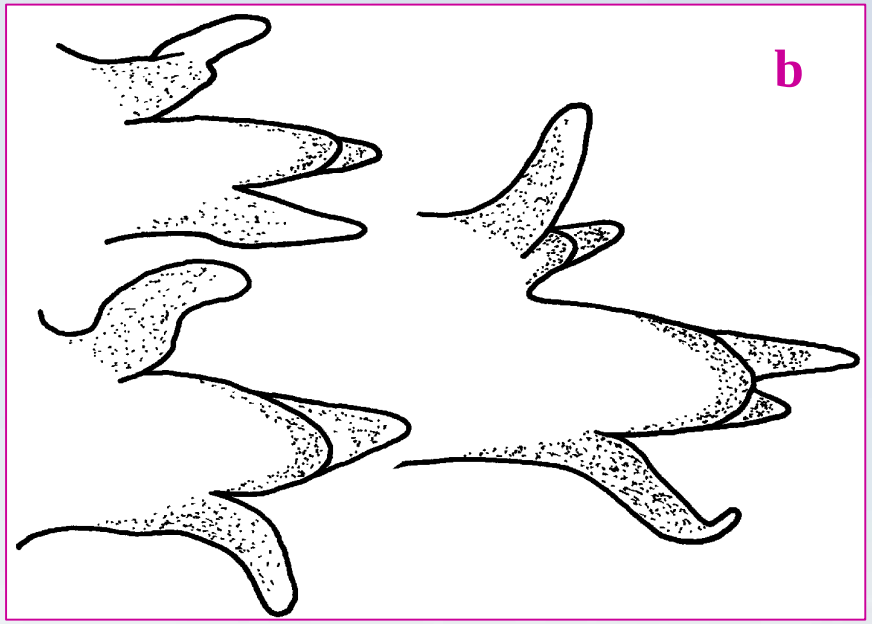




97a. Proboscidial papillae of area I all small and conical **98**

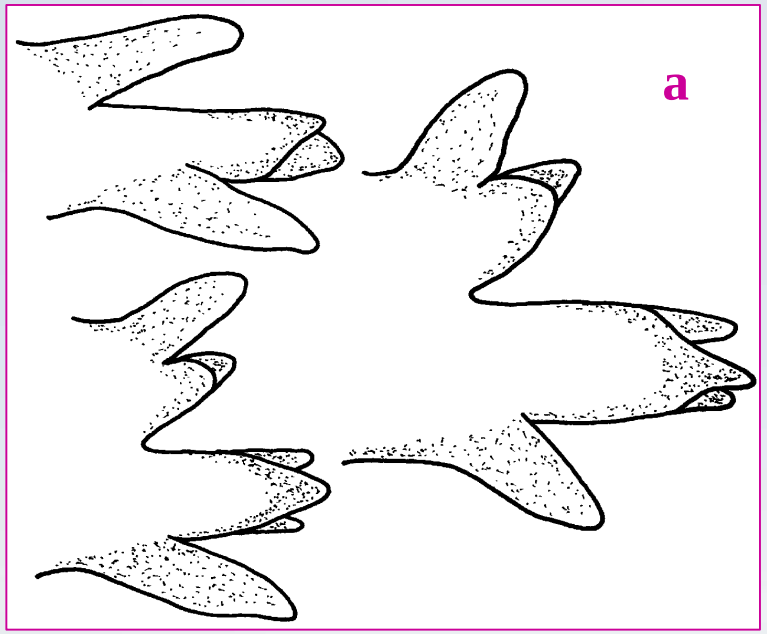
97b. Basal and distal proboscidial papillae of area I small and conical, median ones larger and digitiform, with terminal fingernail-like structures **99**

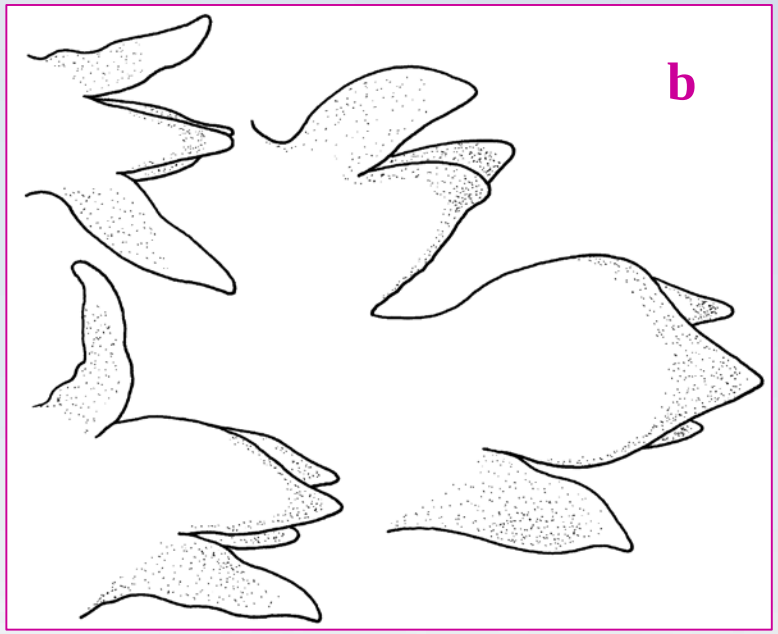




98a. 19-20 uniramous parapodia ..... ***Bathyglycinde mexicana*** FAUCHALD, 1972

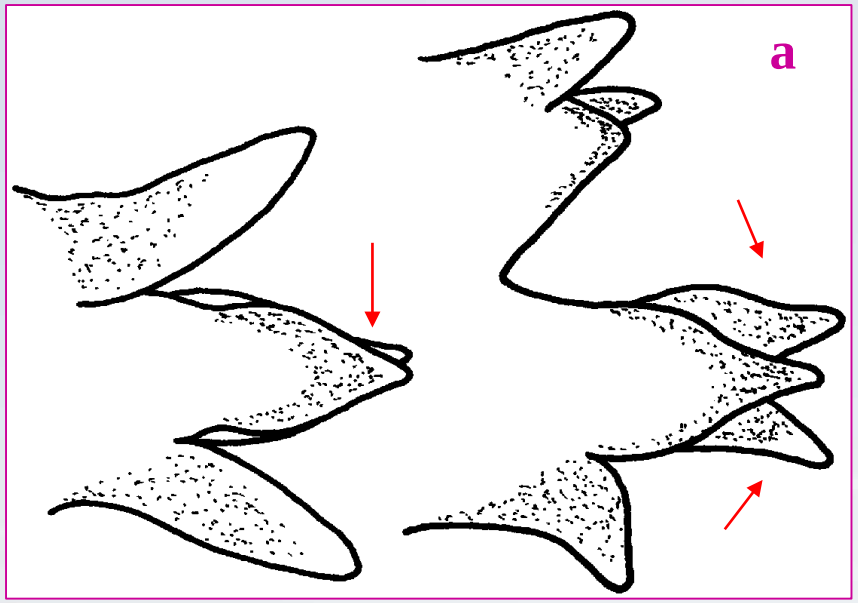
98b. 28-40 uniramous parapodia ..... ***Bathyglycinde sibogana*** (AUGENER & PETTIBONE in PETTIBONE, 1970)

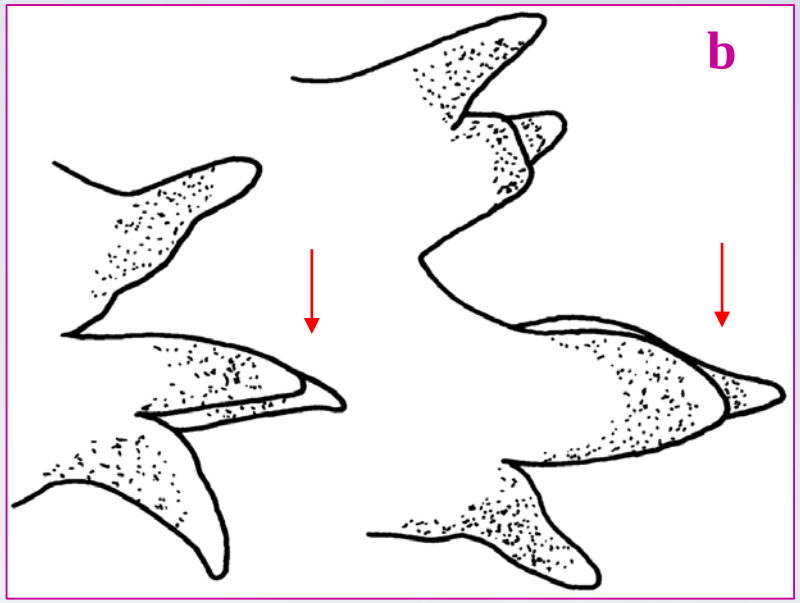




99a. (97) 24-32 uniramous parapodia ..... ***Bathyglycinde lindbergi*** (USCHAKOV, 1955)

99b. 35-38 uniramous parapodia ..... ***Bathyglycinde stepaniantsae*** (AVERINCEV, 1972)





100a. (95) Anterior parapodia with one and posterior parapodia with two neuropodial prechaetal lobes 101

100b. All parapodia with one neuropodial prechaetal lobe 102

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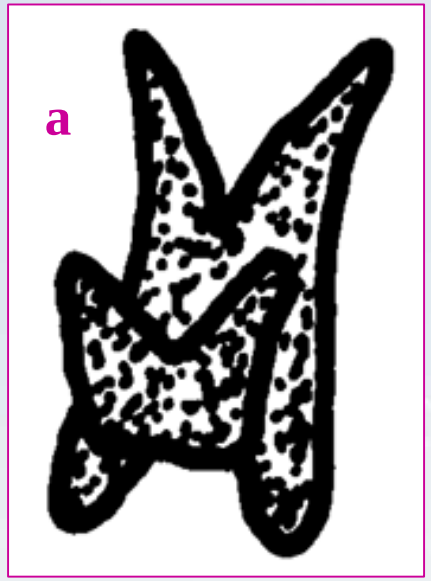
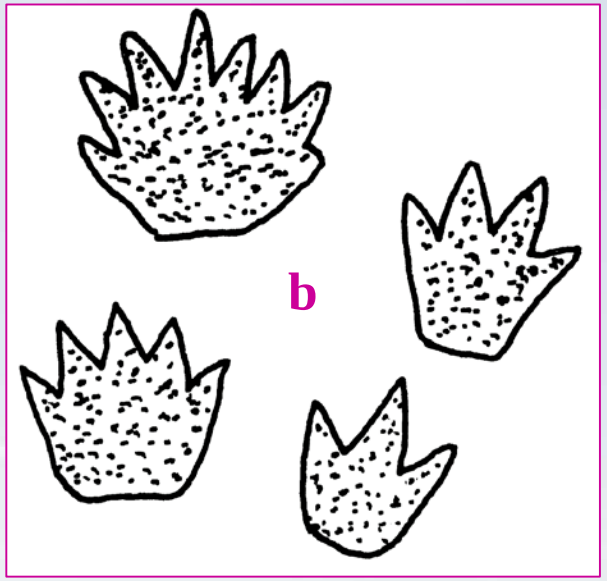
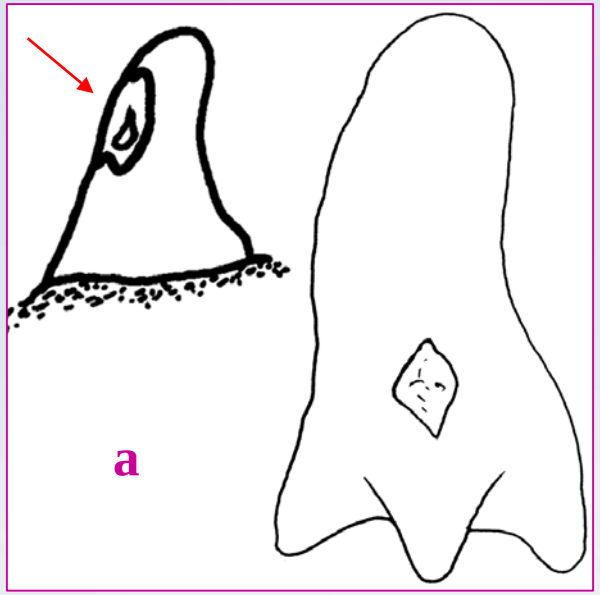
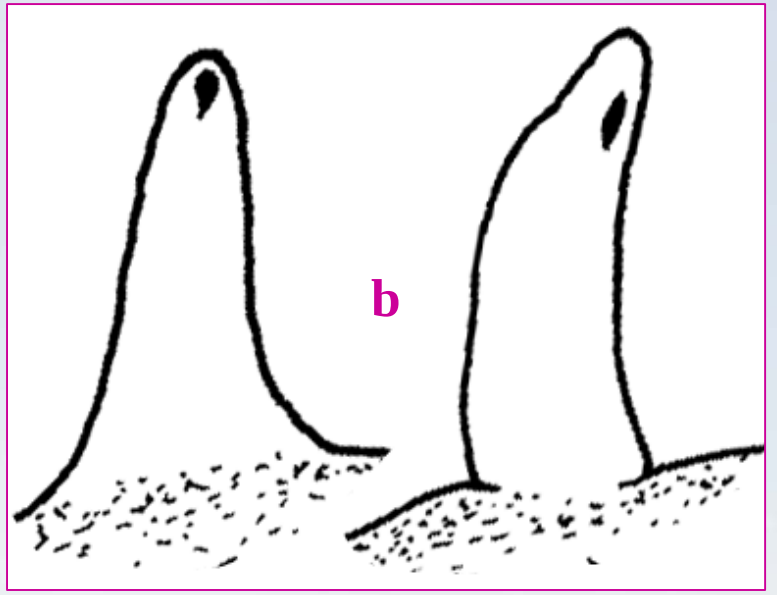




101a. 6-29 H+v-shaped dorsal compound micrognaths ..... ***Glycinde armata*** (KINBERG, 1865)

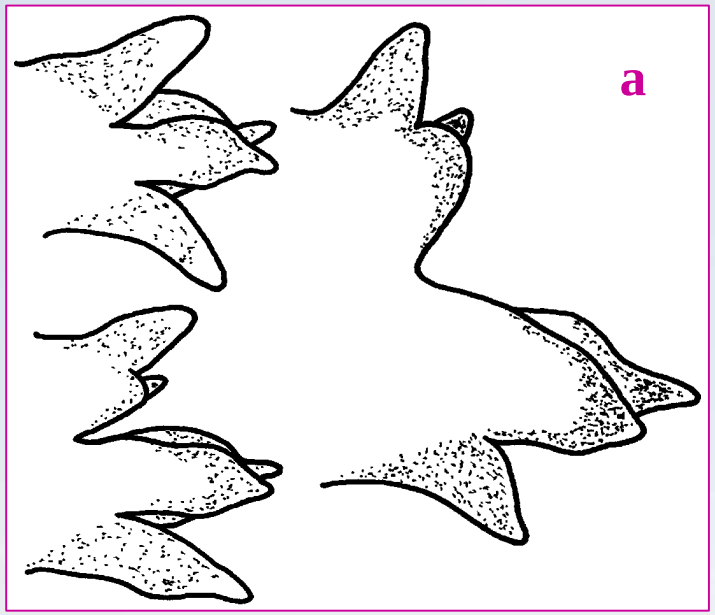
101b. 4-400 crown-shaped dorsal simple micrognaths ..... ***Glycinde trifida*** (MCINTOSH, 1885)

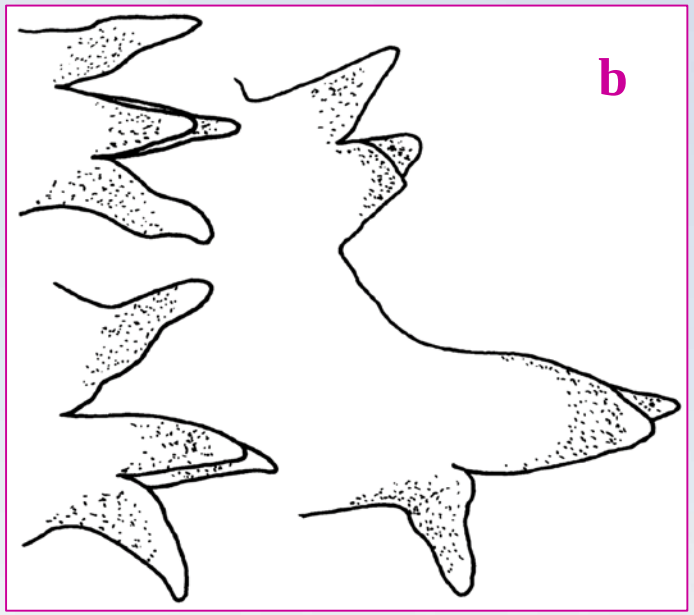




102a. (100) Proboscidial area V with duckfoot-shaped papillae, sometimes located on conical papillae; dorsal and ventral micrognaths present 103

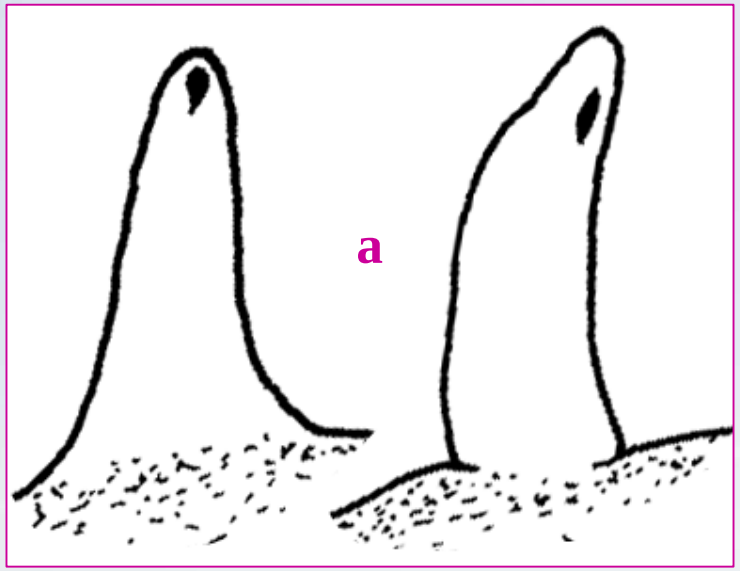
102b. Proboscidial area V with conical papillae; micrognaths only dorsal 104

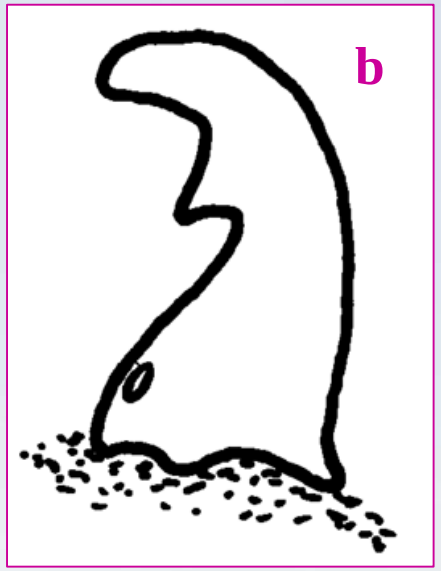




103a. 24-29 uniramous parapodia; 4-40 dorsal and 0-8 ventral micrognaths; duckfood-shaped papillae of area V large and with three tips ..... ***Glycinde picta*** BERKELEY, 1927

103b. 29-33 uniramous parapodia; 10-70 dorsal and 1-8 ventral micrognaths; duckfood-shaped papillae of area V small and with two tips ..... ***Glycinde henningi*** BÖGGEMANN & ORENSANZ, 2007

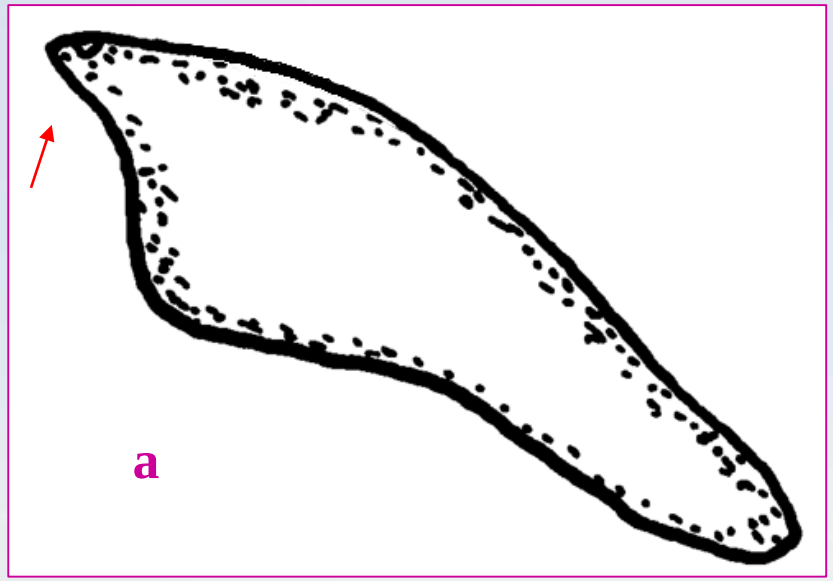


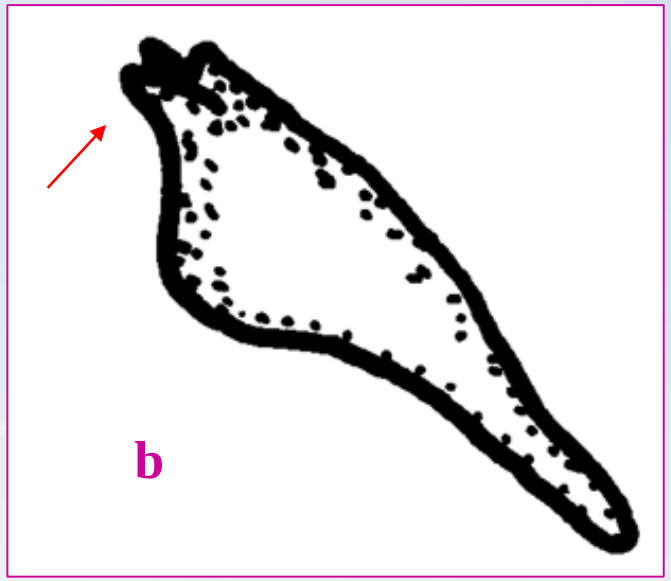


104a. (102) Proboscidial area V with straight conical papillae 105

104b. Conical proboscidial papillae of area V with curved and usually bifid tips .....

..... ***Glycinde multidens*** F. MÜLLER, 1858





105a. Proboscidial area II-1 with unidentate papillae **106**

105b. Proboscidial area II-1 with more or less distinct tridentate papillae **107**

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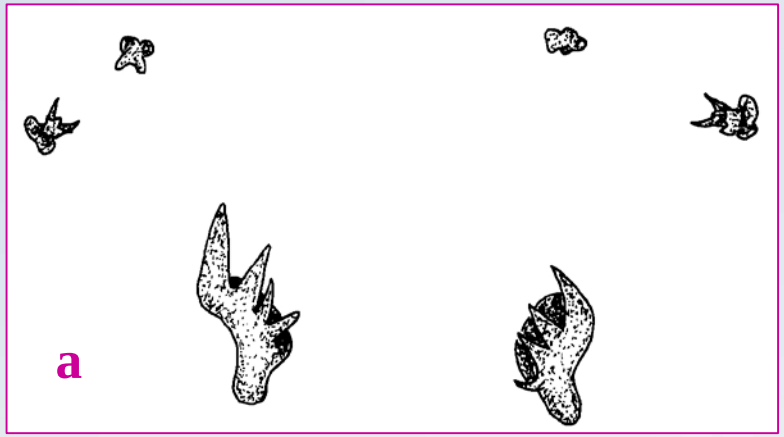
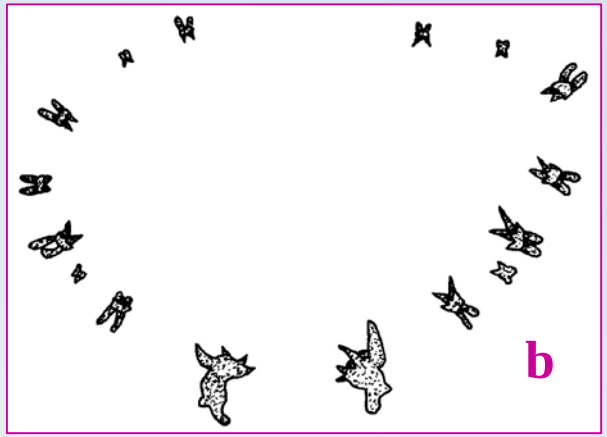
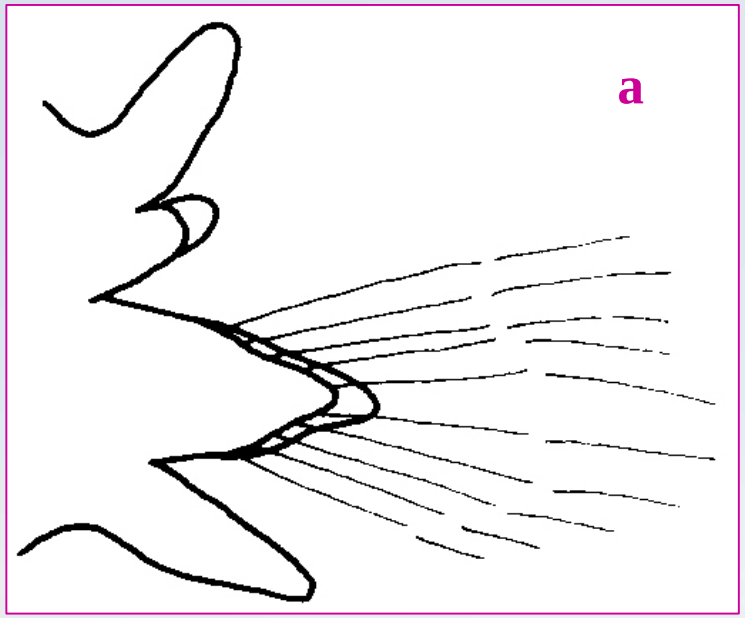
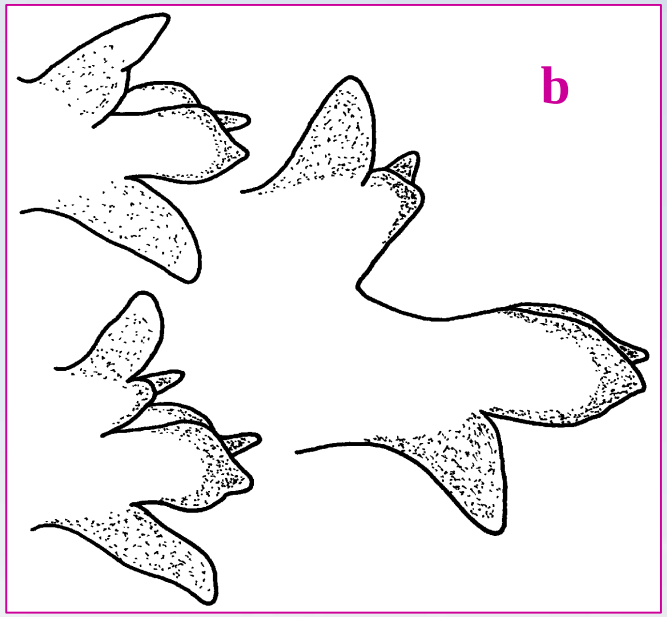




106a. Only four dorsal micrognaths ..... ***Glycinde kameruniana*** AUGENER, 1918

106b. Adult specimens with more than four dorsal micrognaths ..... ***Glycinde bonhourei*** GRAVIER, 1904

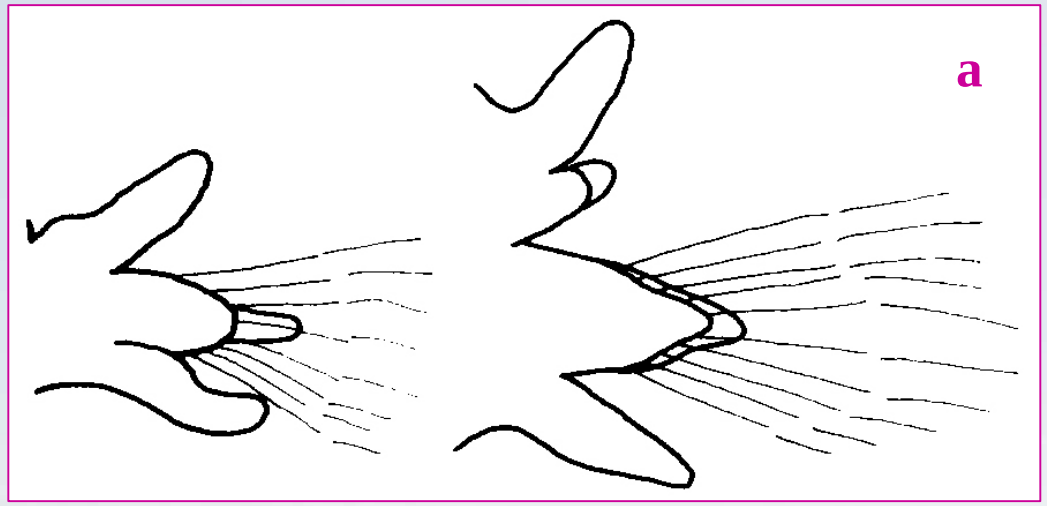


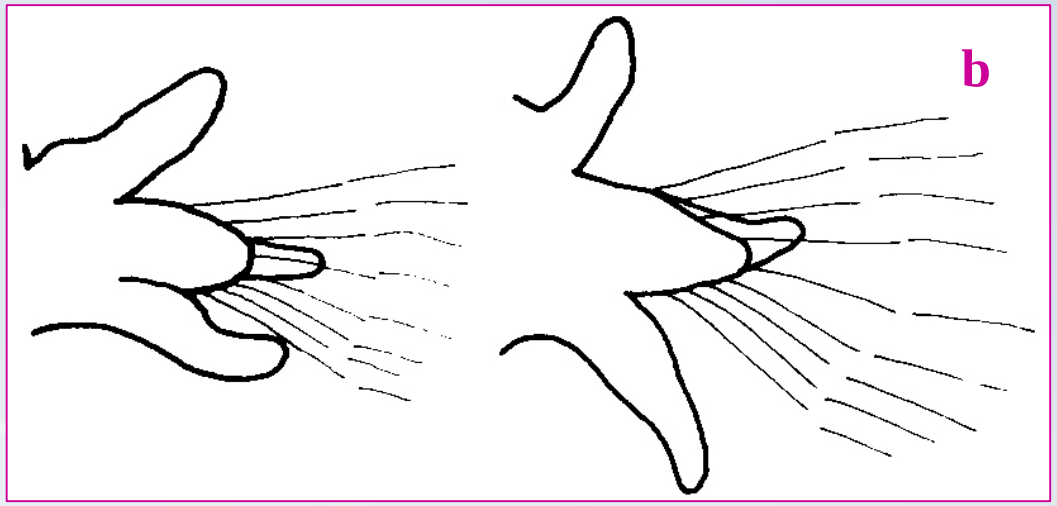


107a. (105) Neuropodial prechaetal lobe always slightly or distinctly longer than postchaetal lobe **108**

107b. Neuropodial prechaetal lobe of anterior parapodia about as long as postchaetal lobe or shorter .....

..... ***Glycinde armigera*** MOORE, 1911





108a. Up to 33 uniramous parapodia **109**

108b. At least 33 uniramous parapodia **110**

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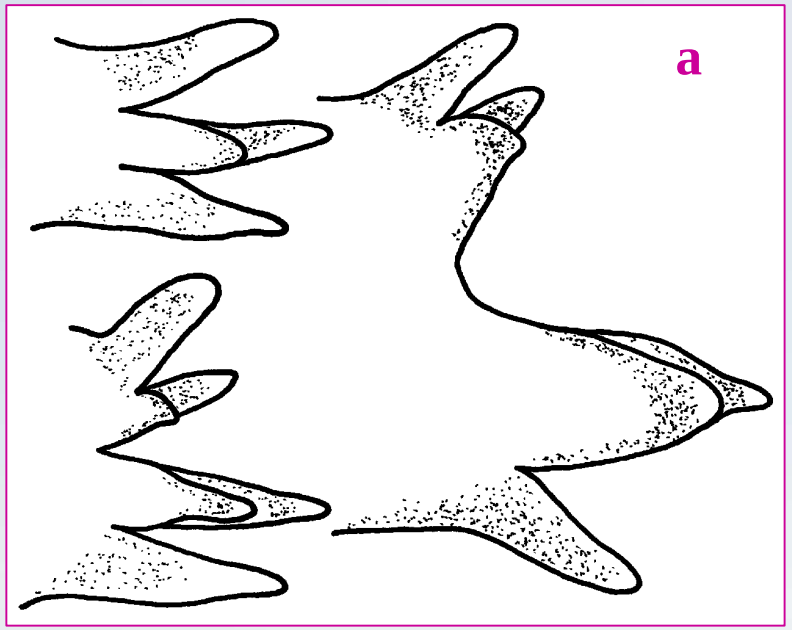
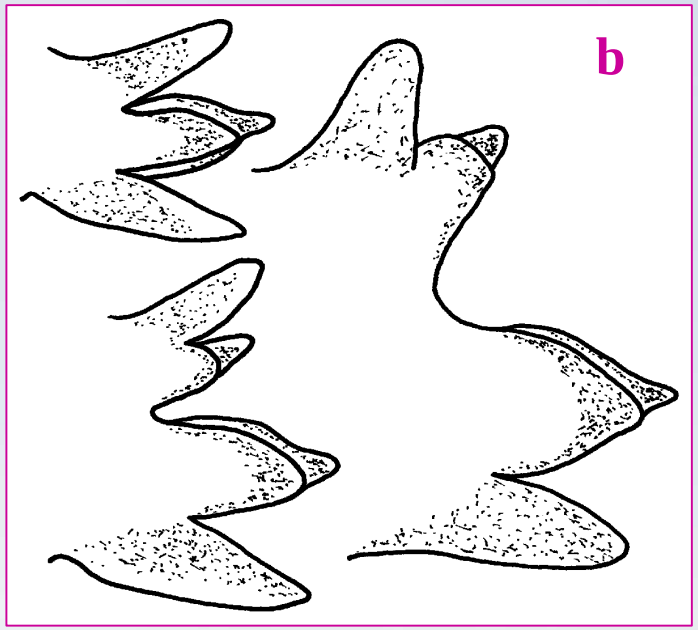
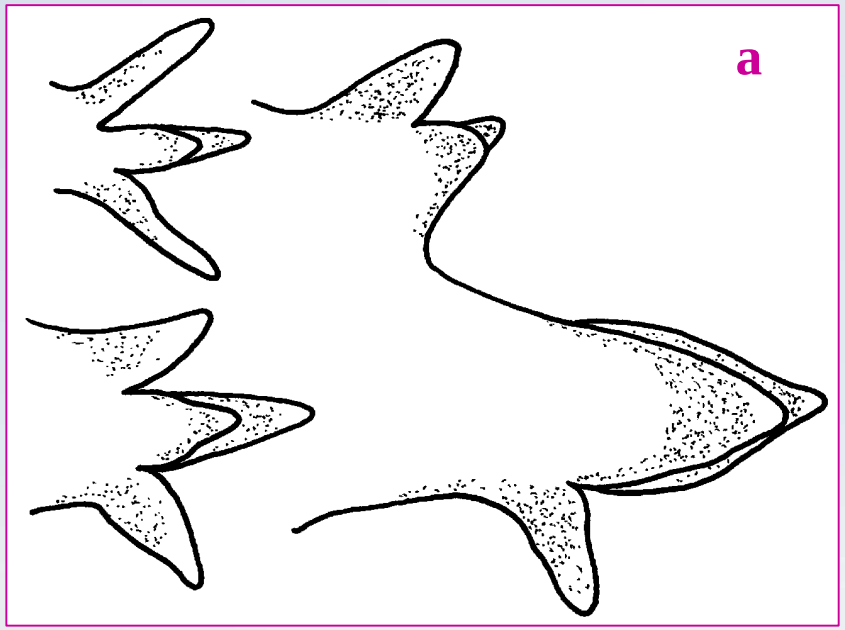


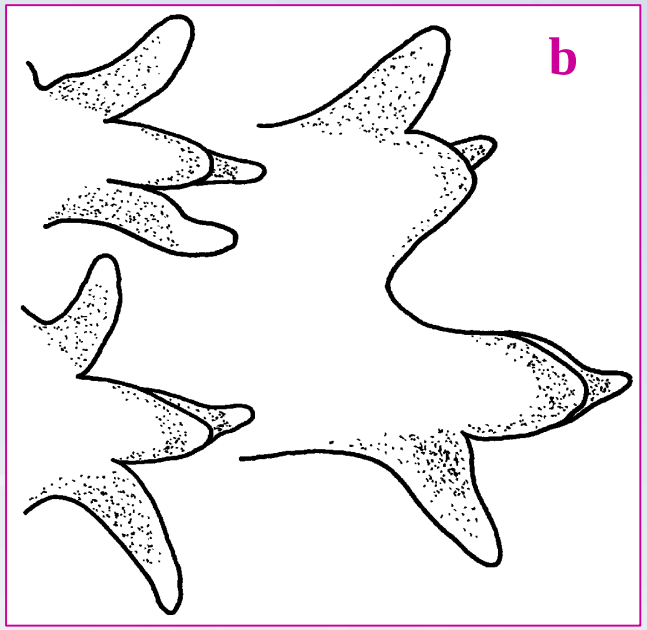


109a. 27-33 uniramous parapodia; 4-26 dorsal micrognaths (African coast species) ..... ***Glycinde capensis*** DAY, 1960

109b. 27-33 uniramous parapodia; 4-27 dorsal micrognaths (North Pacific species) .....

..... ***Glycinde wireni*** ARWIDSSON, 1899





110a. (**108**) 33-40 uniramous parapodia; 4-32 dorsal micrognaths (North Atlantic species) .....

..... ***Glycinde nordmanni*** (MALMGREN, 1866)

110b. 36-40 uniramous parapodia; 6-16 dorsal micrognaths (Indo-Pacific species) .....

..... ***Glycinde anuwati*** BÖGGEMANN & EIBYE-JACOBSEN, 2002