

ECHINODERMA OF THE INDIAN MUSEUM,
OPHIUROIDEA.



AN ACCOUNT
OF THE
DEEP-SEA OPHIUROIDEA

COLLECTED BY THE
ROYAL INDIAN MARINE SURVEY SHIP
INVESTIGATOR

BY
R. KOEHLER,
PROFESSOR OF ZOOLOGY IN THE UNIVERSITY OF LYON.



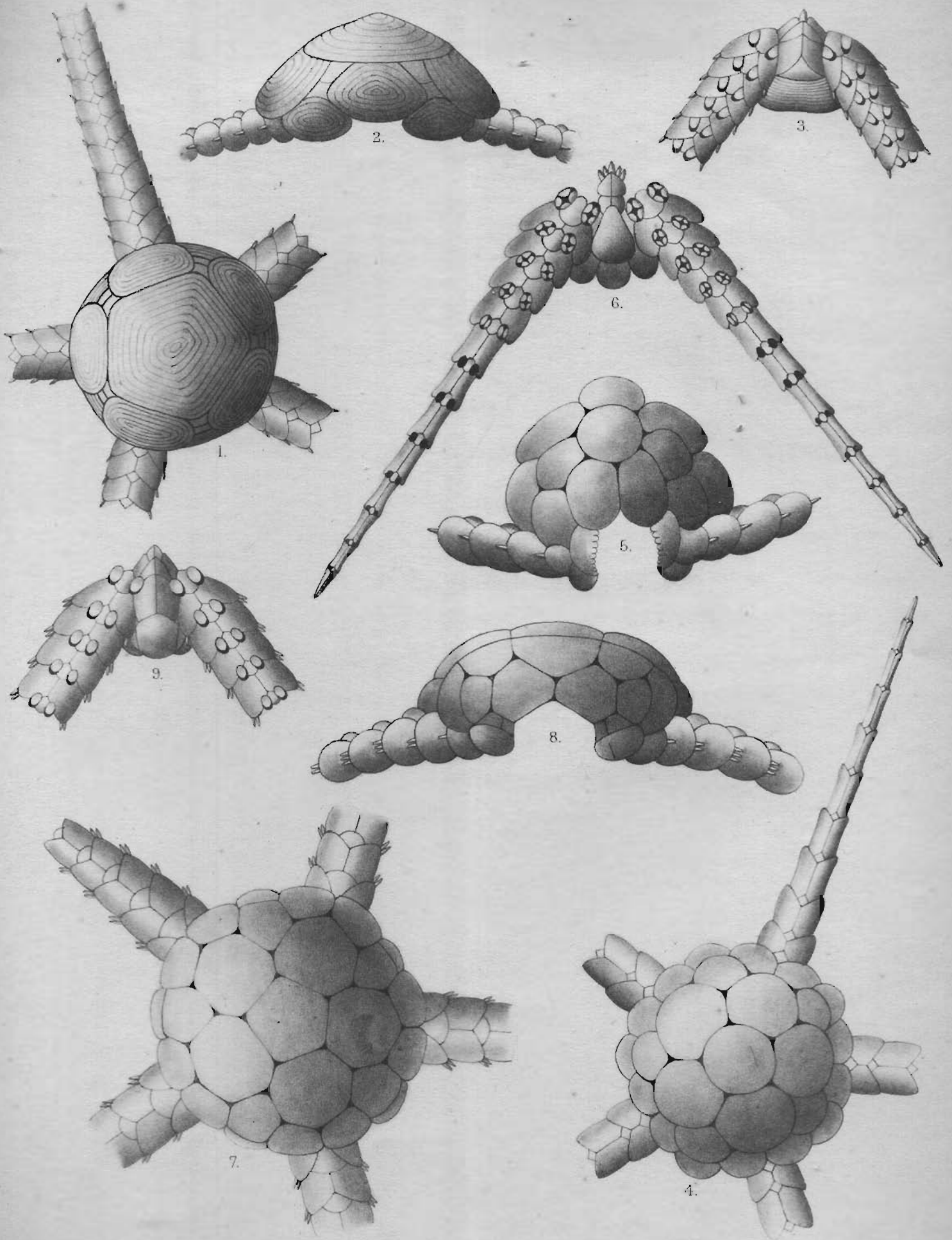
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PLANCHE I.

- Fig. 1.—*Ophiotypa simplex* Kœhler, face dorsale. Gr. = 10.
Fig. 2.—*Ophiotypa simplex*, vue latérale. Gr. = 10.
Fig. 3.—*Ophiotypa simplex*, face ventrale Gr. = 10.
Fig. 4.—*Ophiopyrgus Alcocki* Kœhler, face dorsale. Gr. = 8.
Fig. 5.—*Ophiopyrgus Alcocki*, vue latérale. Gr. = 8.
Fig. 6.—*Ophiopyrgus Alcocki*, face ventrale. Gr. = 8.
Fig. 7.—*Ophiomastus tumidus* Kœhler, face dorsale. Gr. = 9.
Fig. 8.—*Ophiomastus tumidus*, vue latérale. Gr. = 9.
Fig. 9.—*Ophiomastus tumidus*, face ventrale. Gr. = 9.



1, 2, 3, *Ophiotya simplex* Koehler. 4, 5, 6, *Ophiopyrgus Alcocki* Koehler.

7, 8, 9, *Ophiomastus tumidus* Koehler.

PLANCHE II.

Fig. 10.—*Ophiozona bispinosa* Kœhler, face dorsale. Gr.=6, 5.

Fig. 11.—*Ophiozona bispinosa*, face ventrale. Gr.=6, 5.

Fig. 12.—*Ophiomusium scalare* Lyman, face dorsale. Gr.=6.

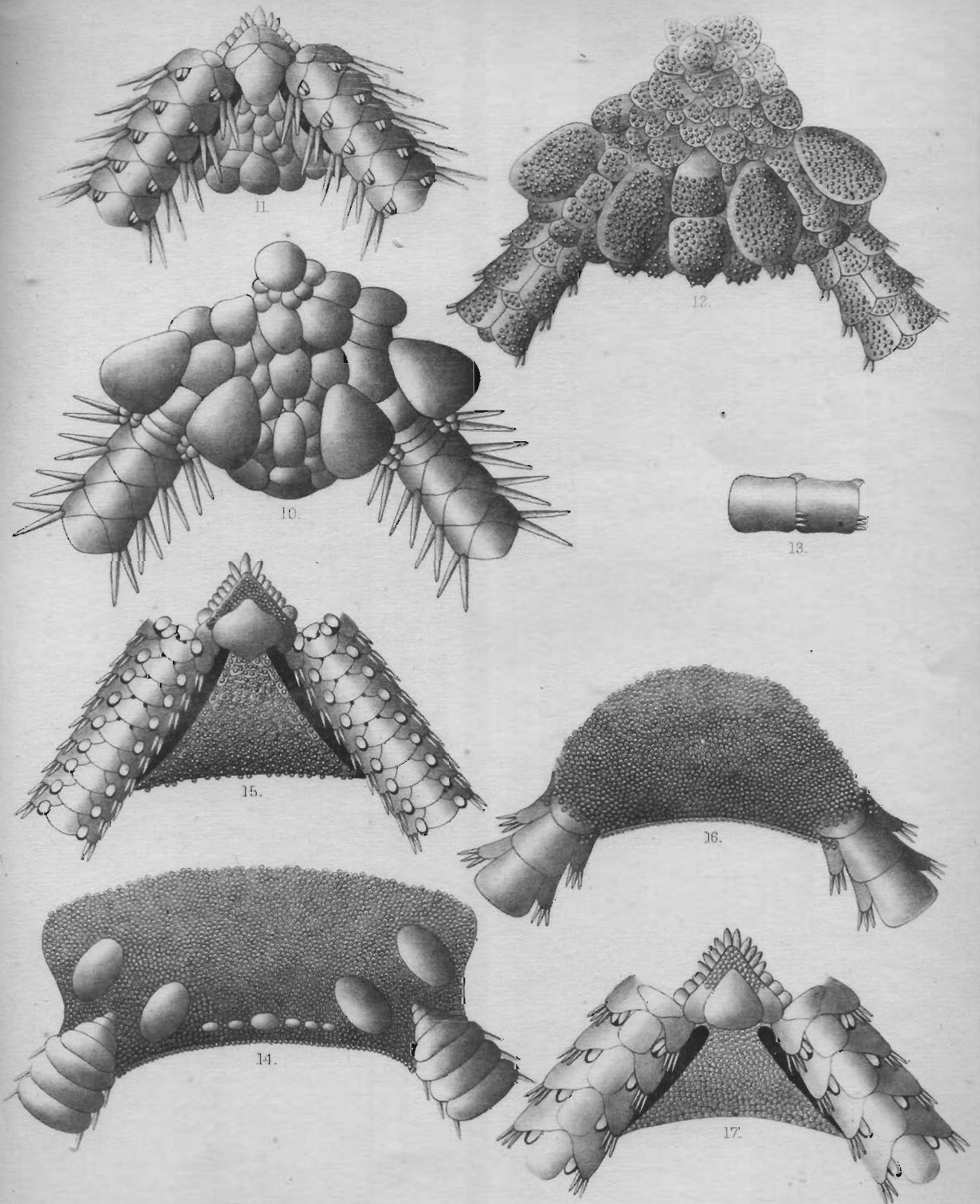
Fig. 13.—*Ophiomusium scalare*, face latérale du bras. Gr.=6.

Fig. 14.—*Pectinura conspicua* Kœhler, face dorsale. Gr.=2, 5.

Fig. 15.—*Pectinura conspicua*, face ventrale. Gr.=2, 5.

Fig. 16.—*Ophioconis indica* Kœhler, face dorsale. Gr.=9.

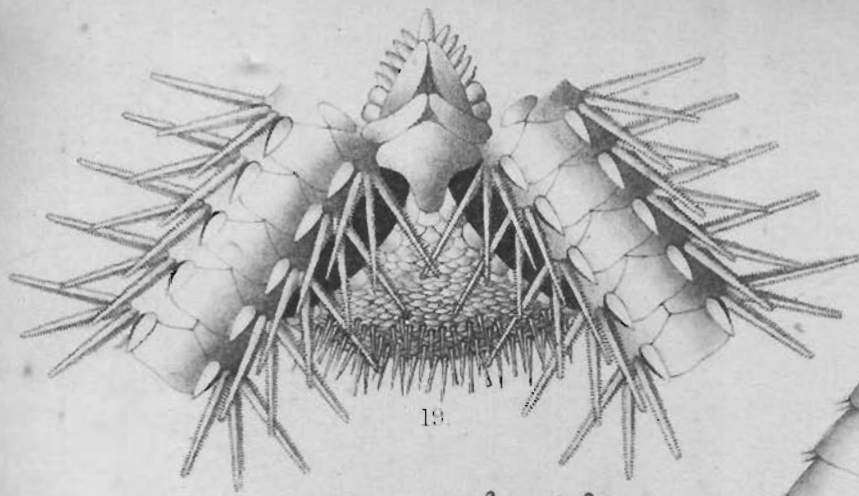
Fig. 17.—*Ophioconis indica*, face ventrale. Gr.=9.



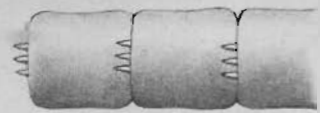
10, 11. *Ophiozona bispinosa* Koehler. 12, 13. *Ophiomusium scabra* Lyman.
 14, 15. *Pectinura crispica* Koehler. 16, 17. *Ophioconis indica* Koehler.

PLANCHE III.

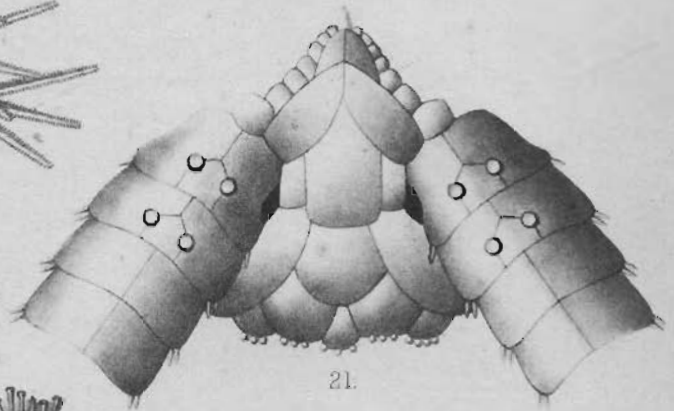
- Fig. 18.—*Ophiacantha vestita* Kœhler, face dorsale. Gr.=7.
Fig. 19.—*Ophiacantha vestita*, face ventrale. Gr.=7.
Fig. 20.—*Ophiacantha vestita*, piquants du disque. Gr.=10.
Fig. 21.—*Ophiomusium scalare* Kœhler, face ventrale. Gr.=6.
Fig. 22.—*Ophiomusium elegans* Kœhler, face dorsale. Gr.=9.
Fig. 23.—*Ophiomusium elegans*, face ventrale. Gr.=9.
Fig. 24.—*Ophiomusium elegans*, face latérale d'un bras. Gr.=9.
Fig. 25.—*Ophiopeza custos* Kœhler, face dorsale. Gr.=9.
Fig. 26.—*Ophiopeza custos*, face ventrale. Gr.=9.



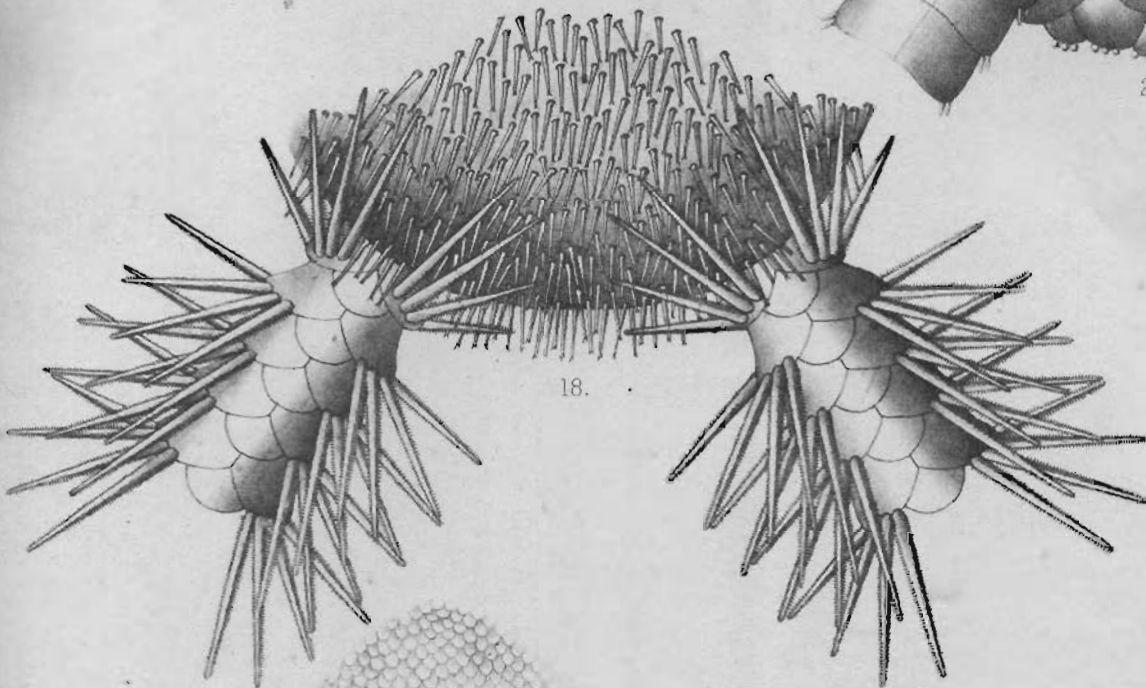
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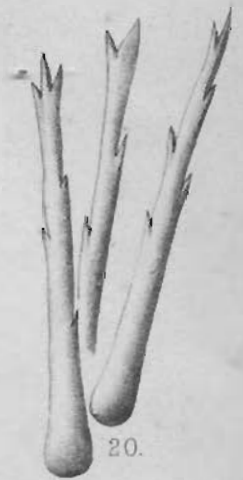
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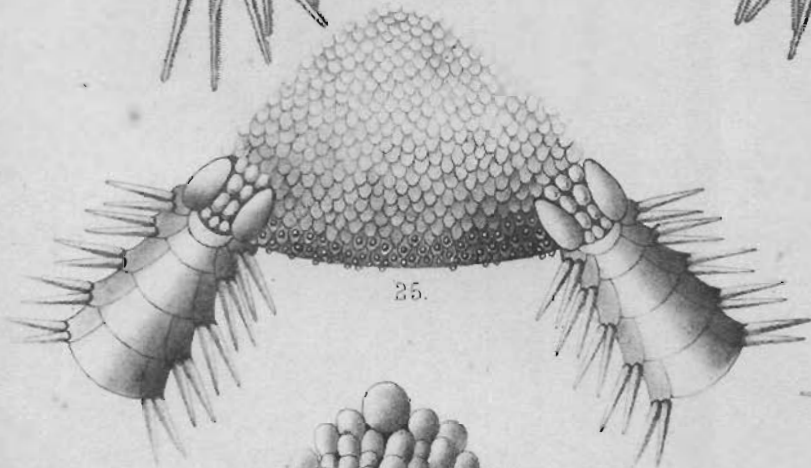
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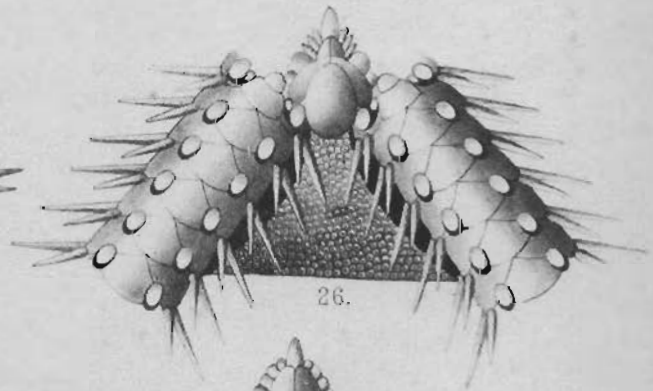
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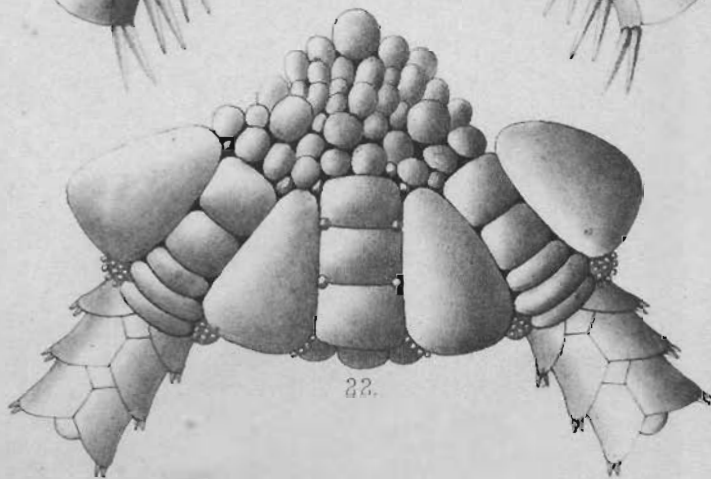
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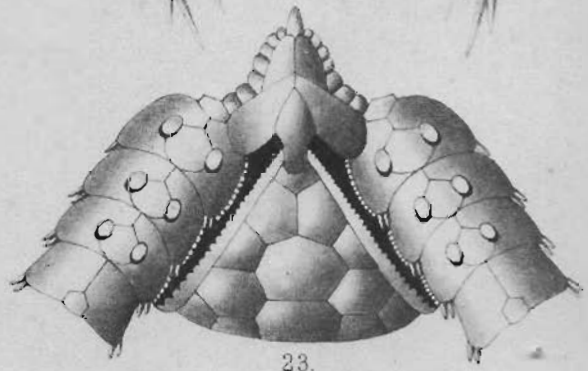
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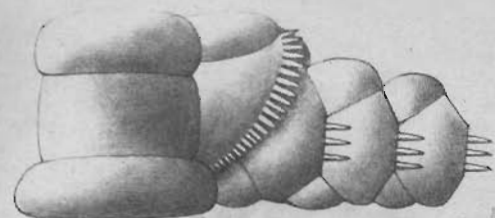


23.

18, 19, 20, *Ophiacantha vestita* Koehler. 21, *Ophiomusium scalare* Koehler.
 22, 23, 24, *Ophiomusium elegans* Koehler. 25, 26, *Ophiopeza custos* Koehler.

PLANCHE IV.

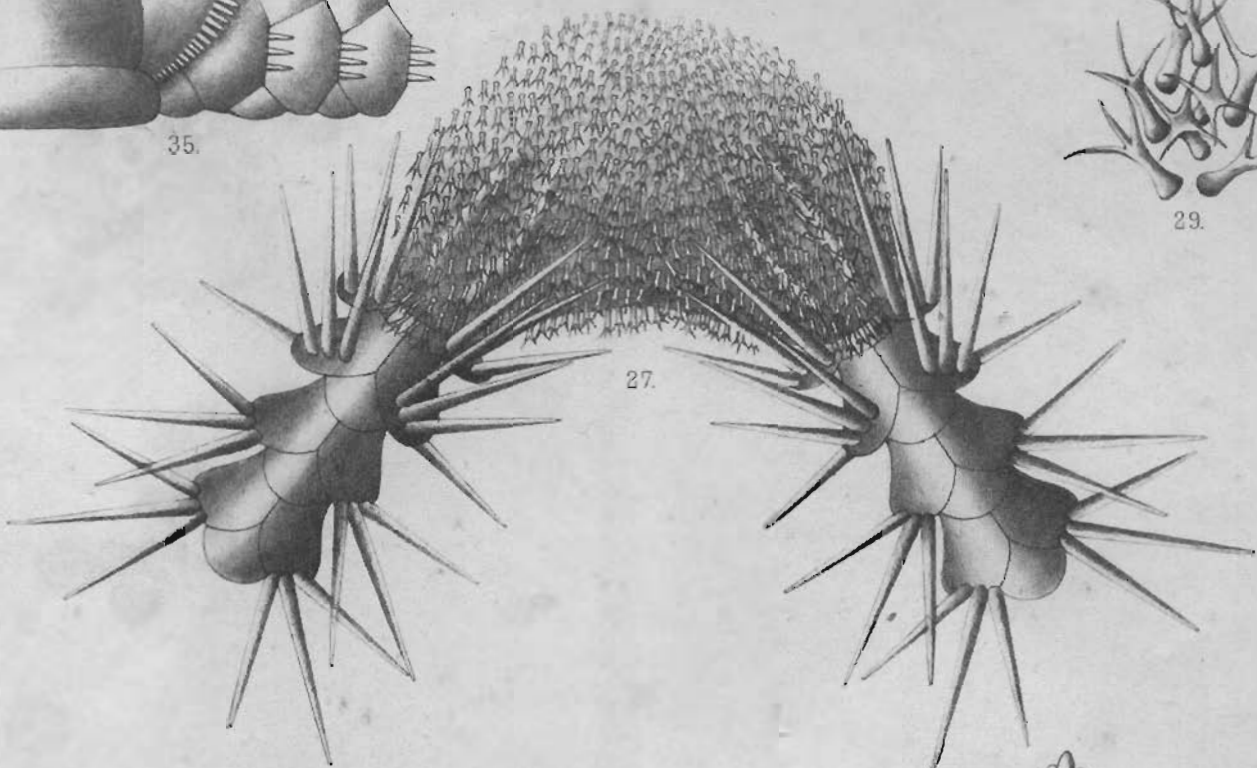
- Fig. 27.—*Ophiacantha pentagona* Kœhler, face dorsale. Gr. = 15.
Fig. 28.—*Ophiacantha pentagona*, face ventrale. Gr. = 15.
Fig. 29.—*Ophiacantha pentagona*, piquants du disque. Gr. = 50.
Fig. 30.—*Ophiomusium familiare* Kœhler, face dorsale. Gr. = 5.
Fig. 31.—*Ophiomusium familiare*, face ventrale. Gr. = 5.
Fig. 32.—*Ophiomusium familiare*, face latérale d'un bras. Gr. = 10.
Fig. 33.—*Ophioglypha paupera* Kœhler, face dorsale. Gr. = 11.
Fig. 34.—*Ophioglypha paupera* Kœhler, face ventrale. Gr. = 11.
Fig. 35.—*Ophioglypha paupera*, vue latérale. Gr. = 15.



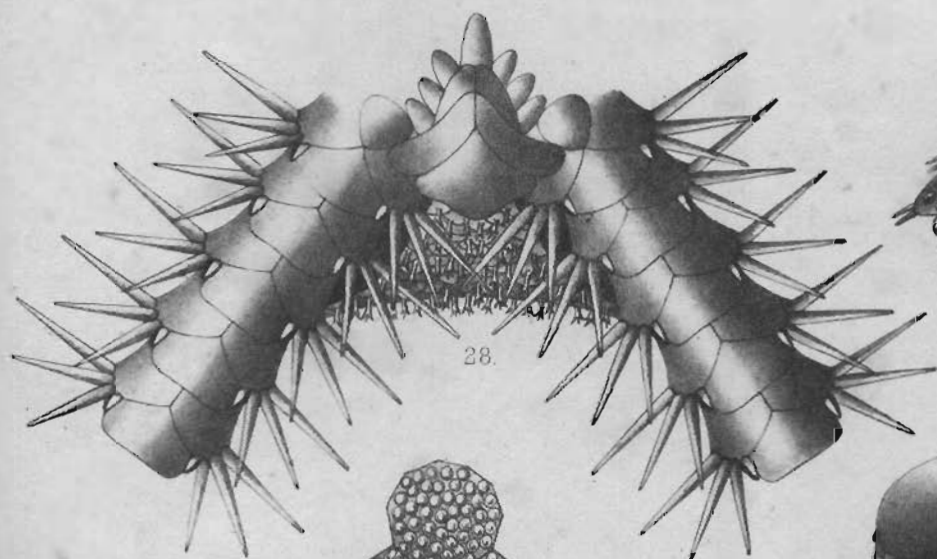
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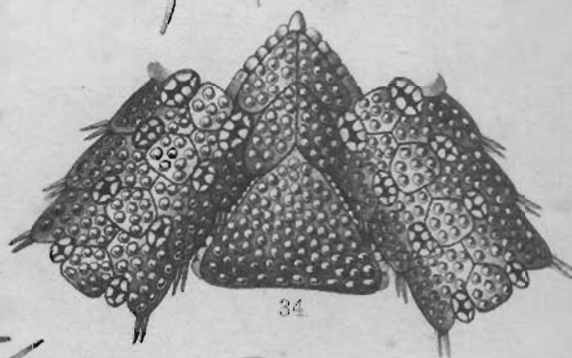
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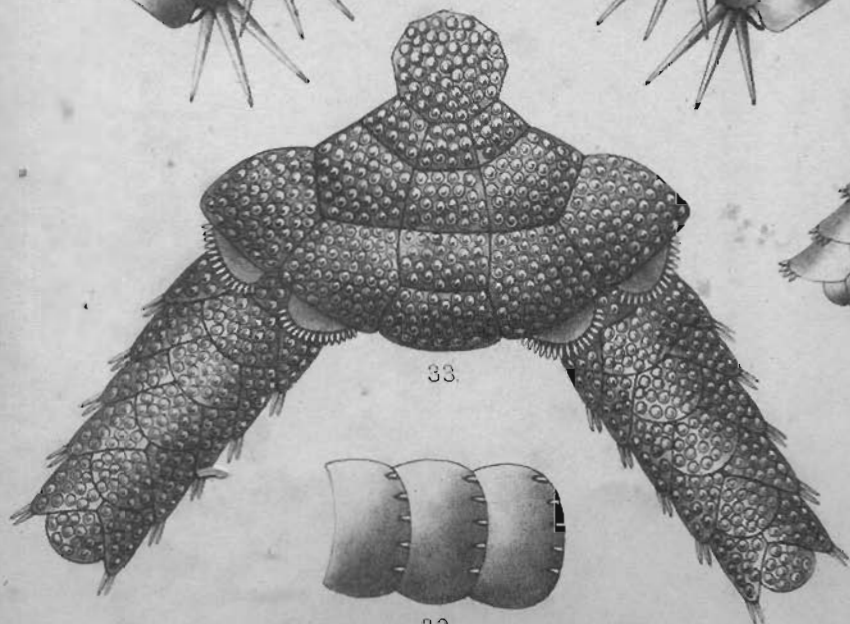
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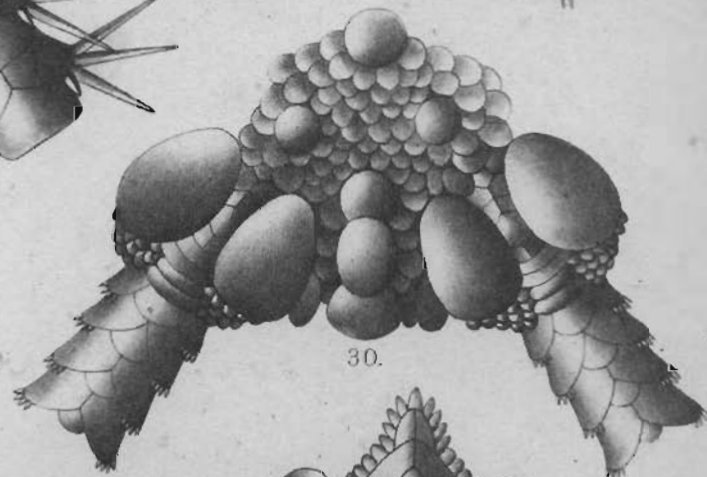
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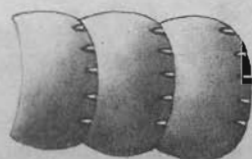
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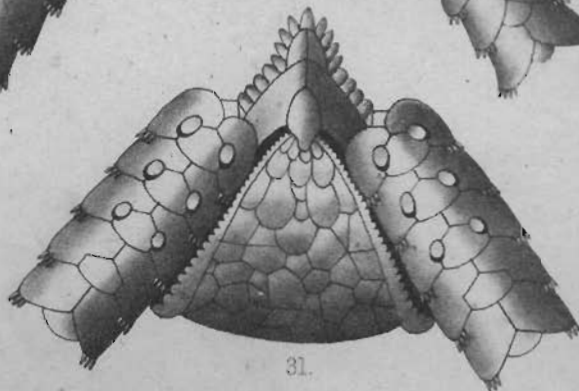
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PLANCHE VI.

Fig. 44.—*Ophiochiton ambulator* Kœhler, face dorsale. Gr.=4, 5.

Fig. 45.—*Ophiochiton ambulator*, face ventrale. Gr.=4, 5.

Fig. 46.—*Ophiactis Lorioli* Kœhler, face dorsale. Gr.=13.

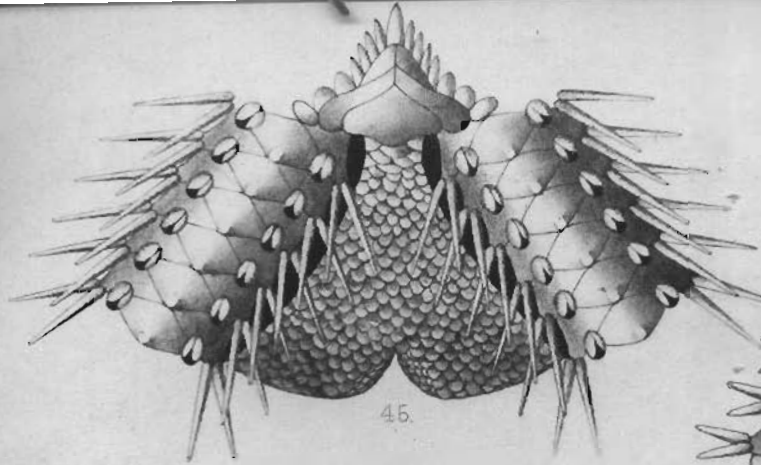
Fig. 47.—*Ophiactis Lorioli*, face ventrale. Gr.=13.

Fig. 48.—*Ophiactis perplexa*, Kœhler, face dorsale. Gr.=13.

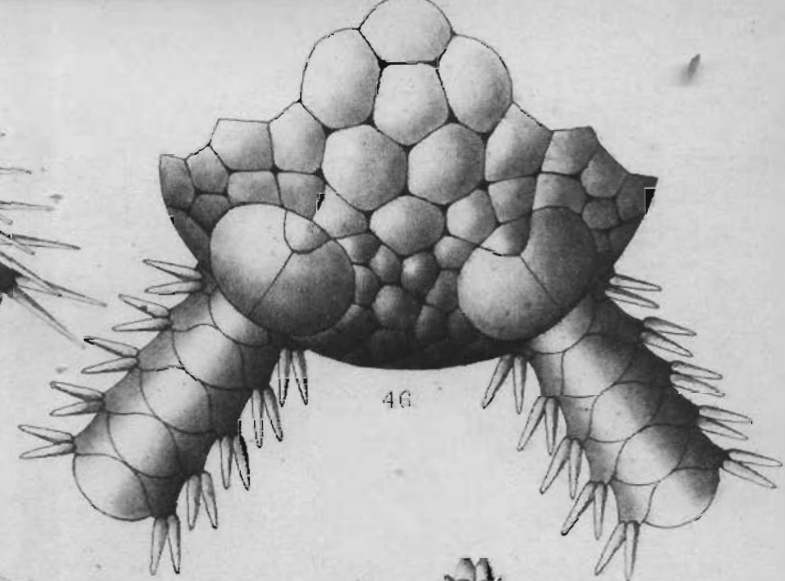
Fig. 49.—*Ophiactis perplexa*, face ventrale. Gr.=13.

Fig. 50.—*Amphiura Caulleryi* Kœhler, face dorsale. Gr.=11.

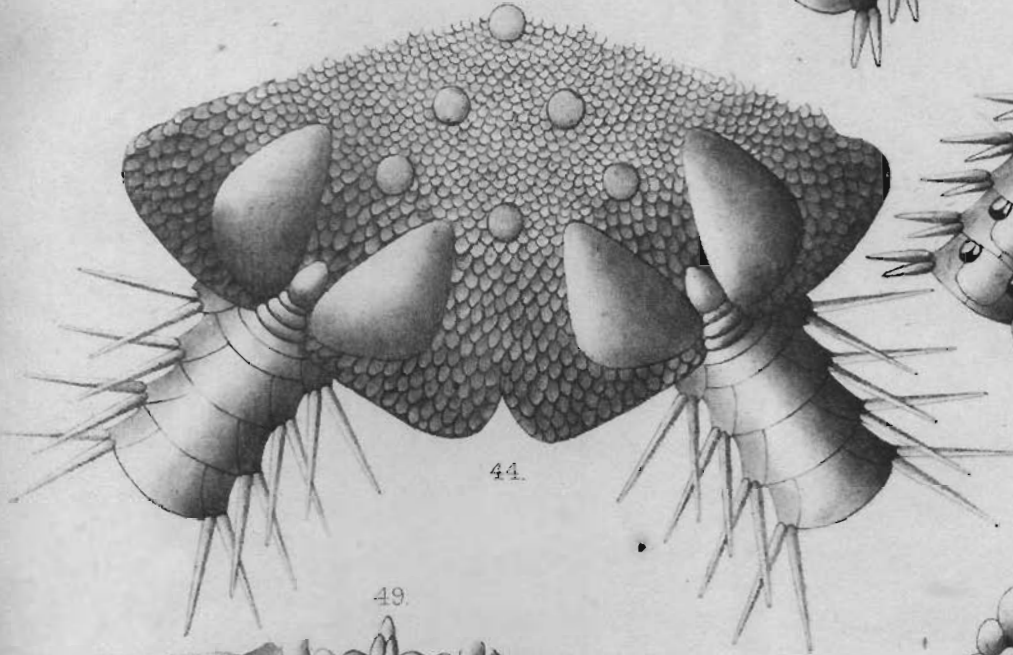
Fig. 51.—*Amphiura Caulleryi*, face ventrale. Gr.=11.



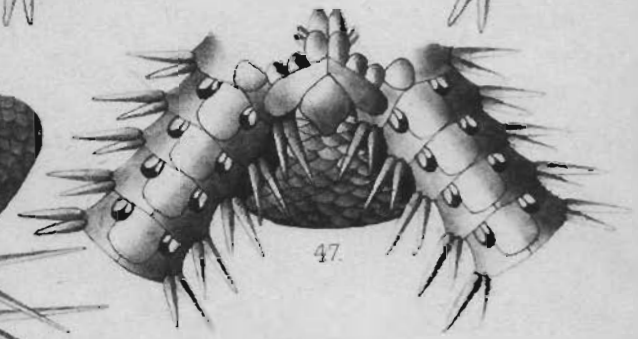
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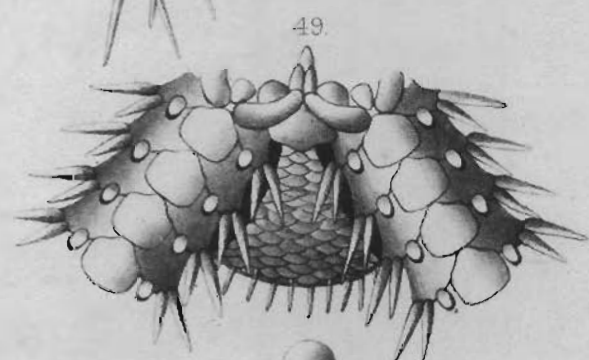
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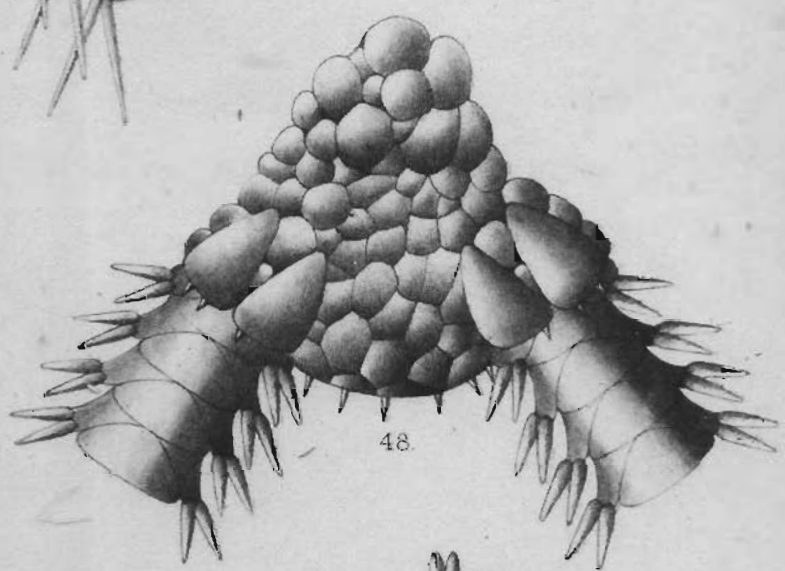
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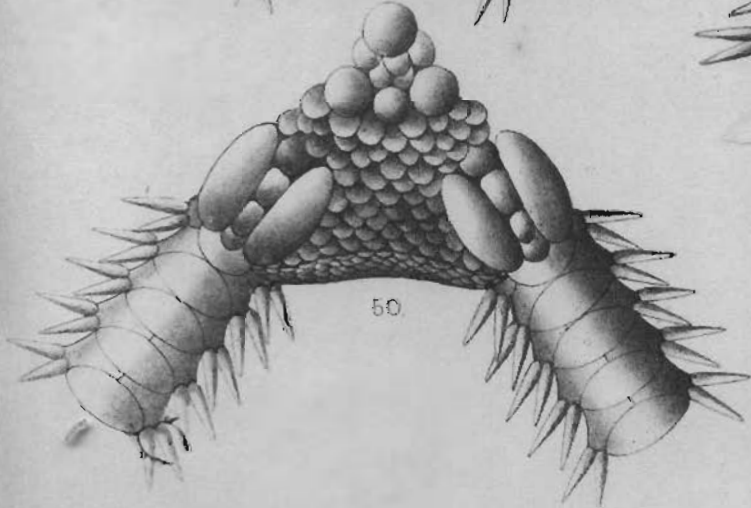
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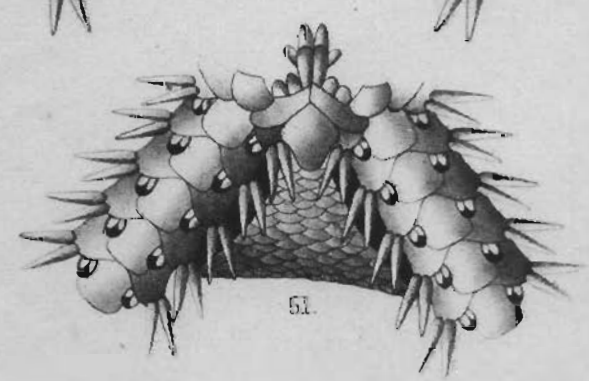
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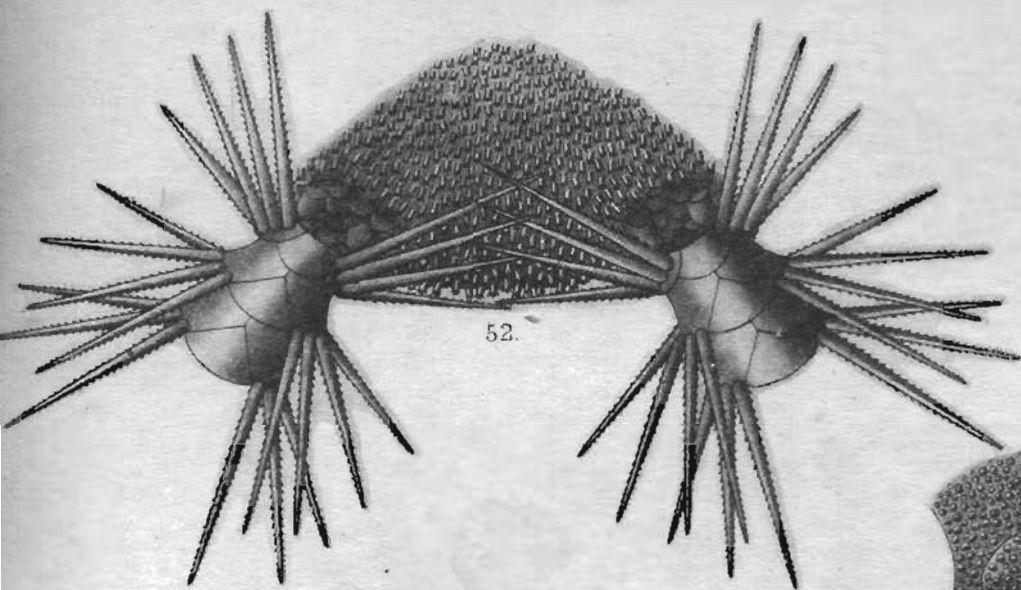
51.

44, 45, *Ophiochiton ambulstor* Koehler. 46, 47, *Ophiactis barioli* Koehler.

48, 49, *Ophiactis nempeza* Koehler. 50, 51, *Ambipura Canlerisi* Koehler.

PLANCHE VII.

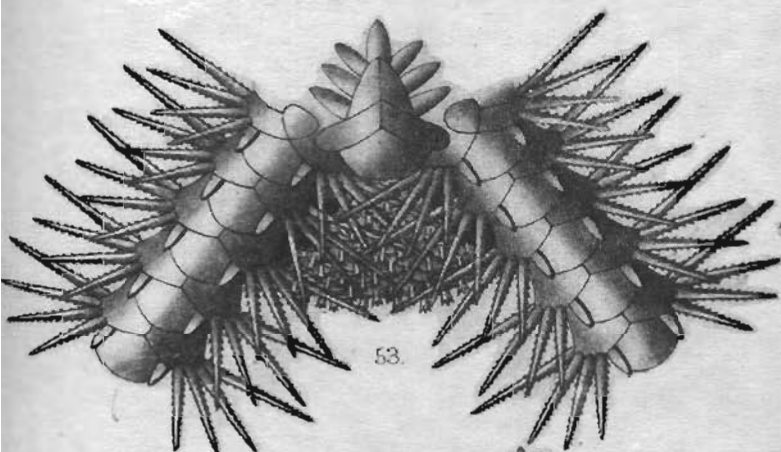
- Fig. 52.—*Ophiacantha vorax* Kœhler, face dorsale. Gr.=13.
Fig. 53.—*Ophiacantha vorax*, face ventrale. Gr.=13.
Fig. 54.—*Ophiacantha vorax*, piquants du disque. Gr.=30.
Fig. 55.—*Ophiolypus granulatus* Kœhler, face dorsale. Gr.=10.
Fig. 56.—*Ophiolypus granulatus*, face ventrale. Gr.=10.
Fig. 57.—*Ophiolypus granulatus*, face latérale d'un bras. Gr.=10.
Fig. 58.—*Ophiomitra rudis* Kœhler, face dorsale. Gr.=5.
Fig. 59.—*Ophiomitra rudis*, face ventrale. Gr.=5.
Fig. 60.—*Ophiomitra integra* Kœhler, piquants du disque. Gr.=20.



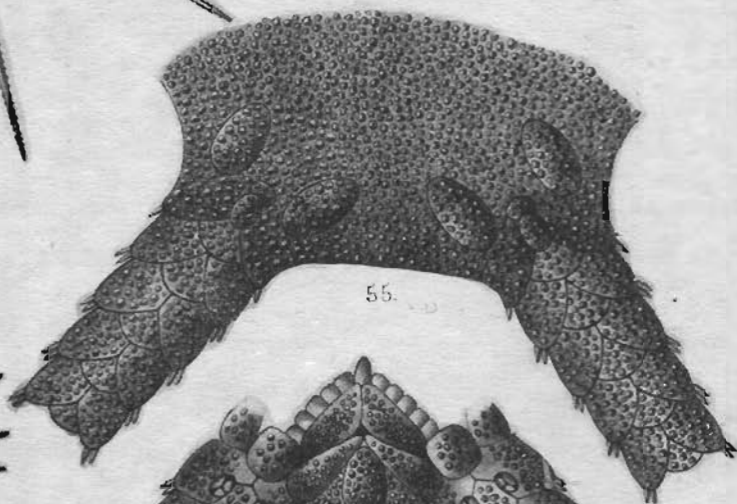
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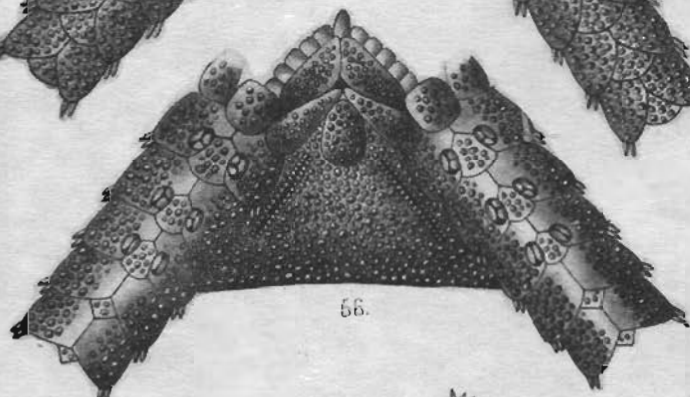
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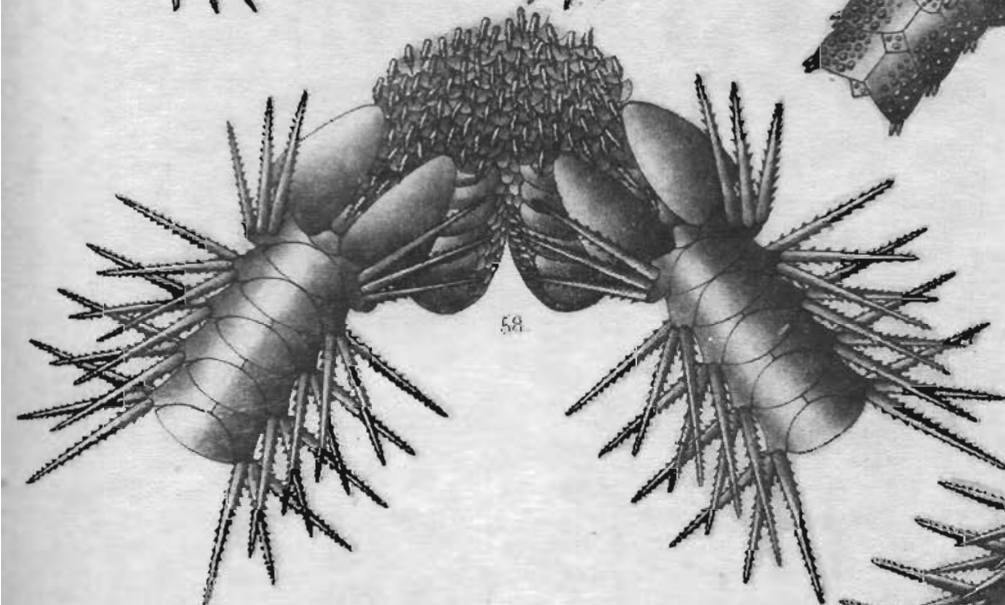
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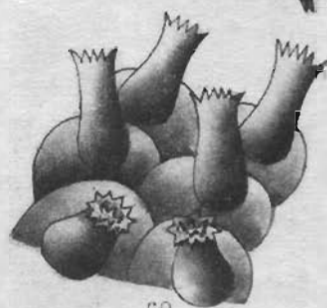
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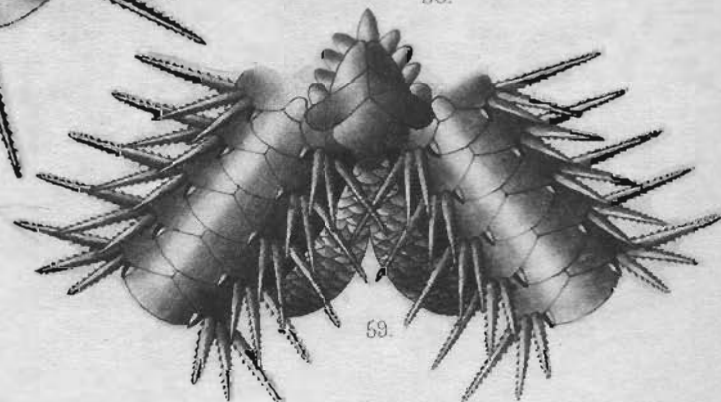
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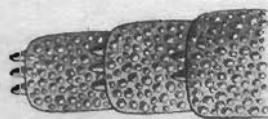
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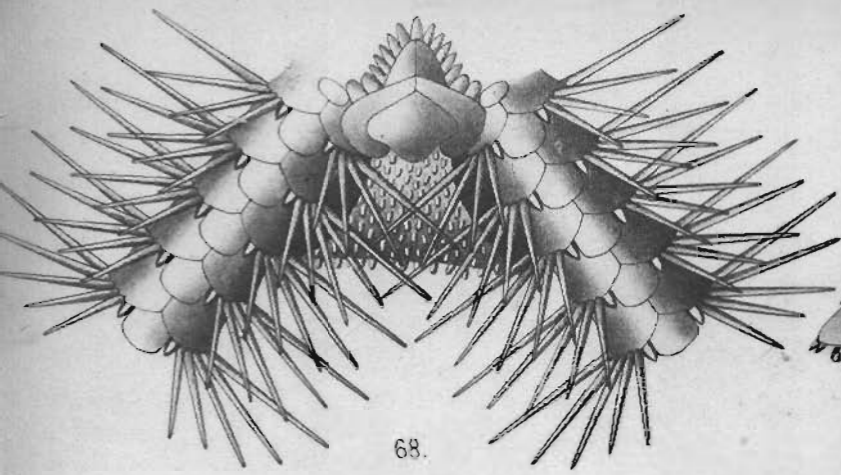


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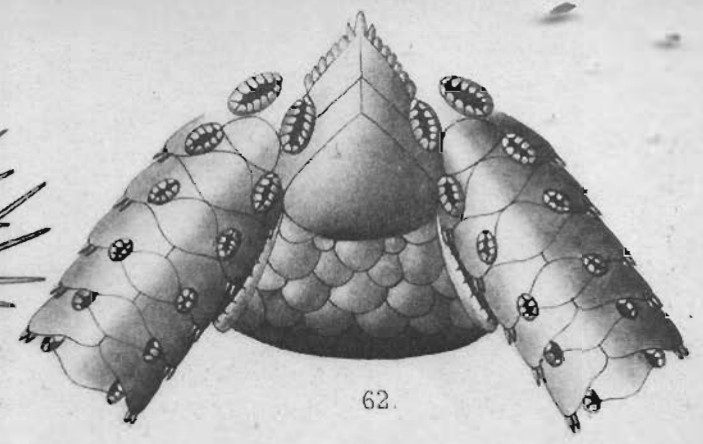
52. 53. 54. *Ophiacantha vorax* Koehler 55. 56. 57. *Ophiolypus granulatus* Koehler.
58. 59. *Ophiomitra rudis* Koehler. 60. *Ophiomitra integra* Koehler.

PLANCHE VIII.

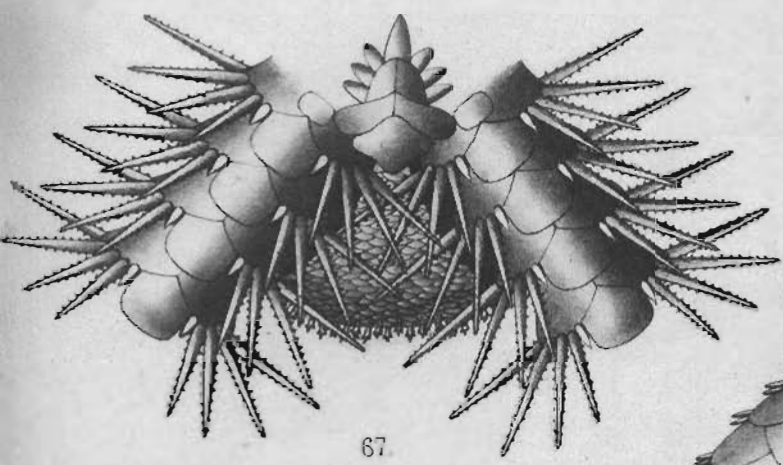
- Fig. 61.—*Ophioglypha involuta* Kœhler, face dorsale. Gr.=4.
Fig. 62.—*Ophioglypha involuta*, face ventrale. Gr.=4.
Fig. 63.—*Ophioglypha involuta*, vue latérale d'un bras. Gr.=6.
Fig. 64.—*Amphiura misera* Kœhler, face dorsale. Gr.=12.
Fig. 65.—*Amphiura misera*, face ventrale. Gr.=12.
Fig. 66.—*Ophiacantha composita* Kœhler, face ventrale. Gr.=7.
Fig. 67.—*Ophiacantha duplex* Kœhler, face ventrale. Gr.=7.
Fig. 68.—*Ophiacantha gratiosa* Kœhler, face ventrale. Gr.=5.



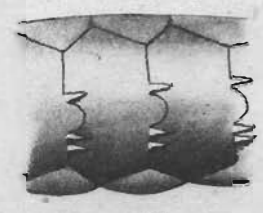
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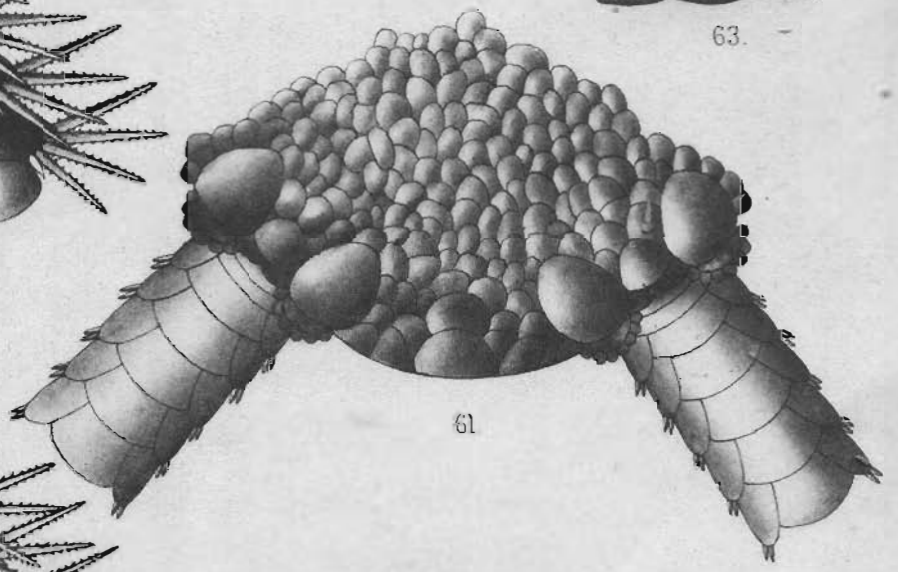
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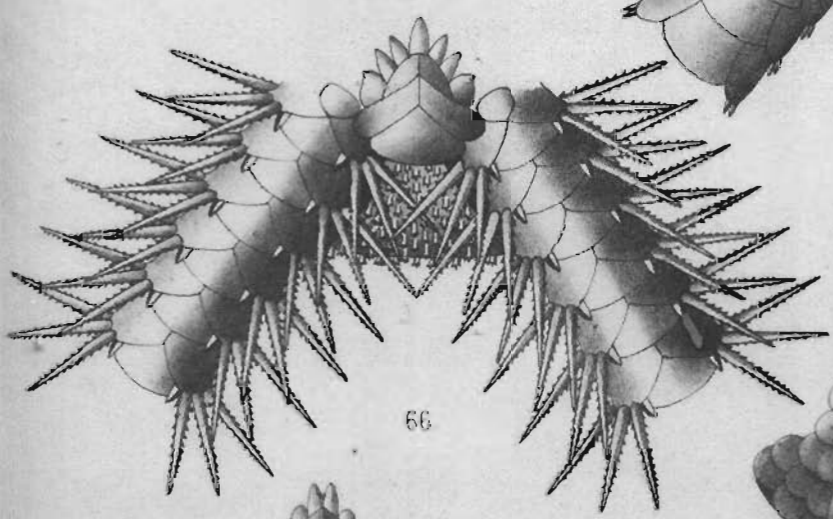
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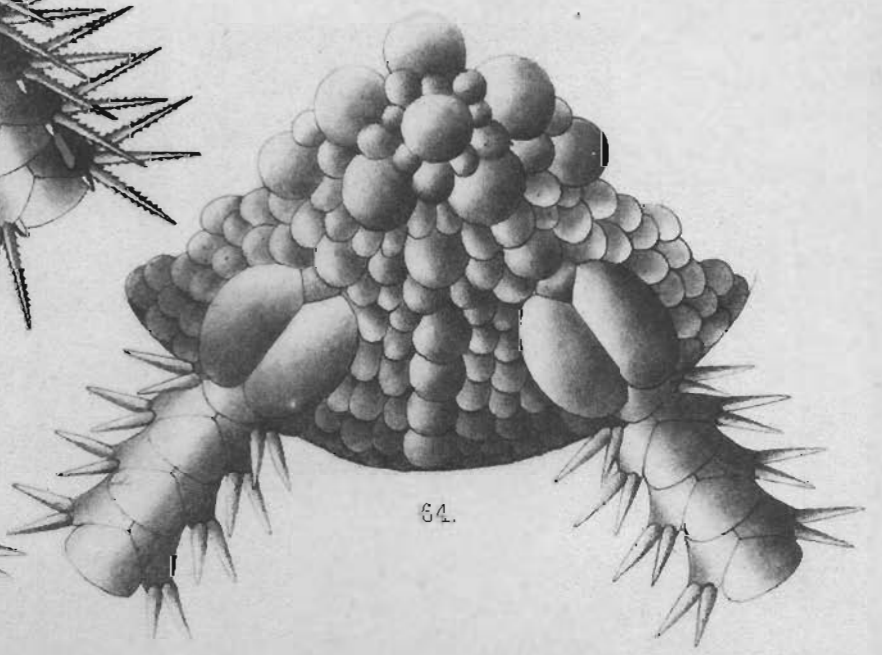
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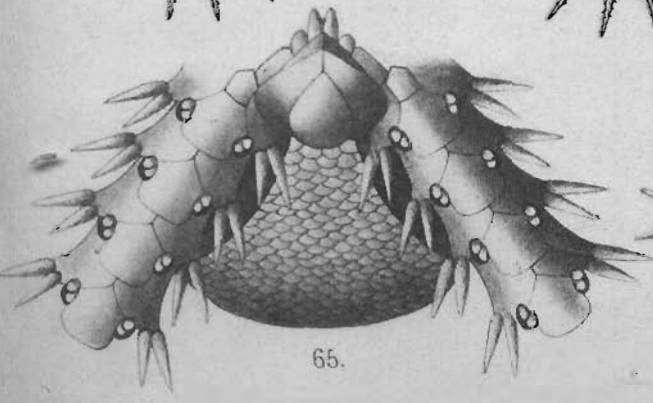
61.



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65.

61.62.63. *Ophioglypha involuta* Koehler. 64.65. *Amphiscira misera* Koehler. 66. *Ophiacantha composita* Koehler. 67. *Ophiacantha duplex* Koehler. 68. *Ophiacantha gratiosa* Koehler.

PLANCHE IX.

Fig. 69.—*Ophiacantha duplex*, face dorsale. Gr.=7.

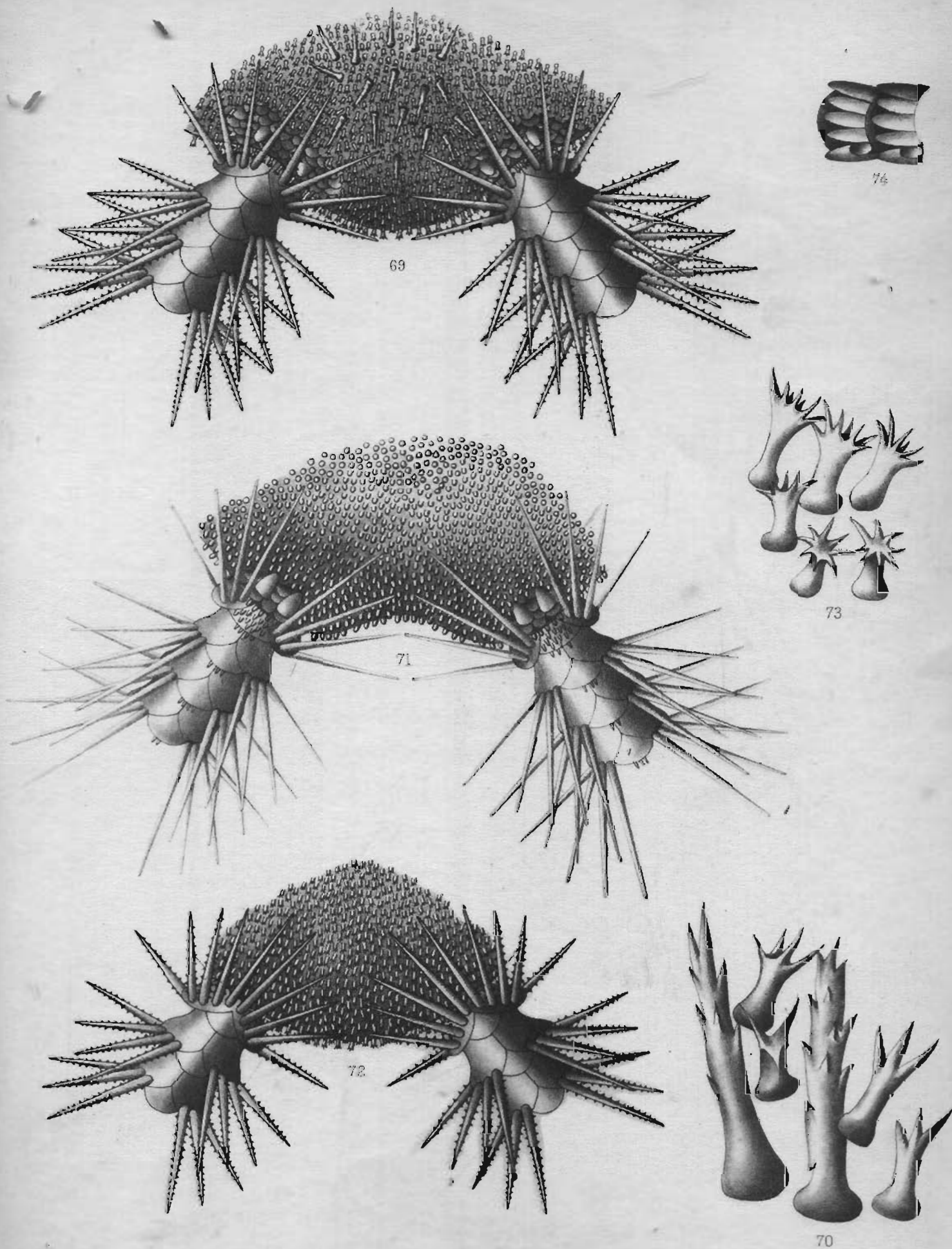
Fig. 70.—*Ophiacantha duplex*, piquants du disque. Gr.=35.

Fig. 71.—*Ophiacantha gratiosa*, face dorsale. Gr.=5.

Fig. 72.—*Ophiacantha composita*, face dorsale. Gr.=7.

Fig. 73.—*Ophiacantha composita*, piquants du disque Gr.=40.

Fig. 74.—*Ophiochiton modestus* Kœhler, vue latérale d'un bras. Gr.=35.



69, 70, *Ophiacantha duplex* Koehler. 71, *Ophiacantha graciosa* Koehler.
 72, 73, *Ophiacantha composita* Koehler. 74, *Ophiochiton modestus* Koehler

PLANCHE X.

Fig. 75.—*Ophiacantha sociabilis* Kœhler, face dorsale. Gr.=4.

Fig. 76.—*Ophiacantha sociabilis*, face ventrale. Gr.=4.

Fig. 77.—*Ophiochiton modestus* Kœhler, face dorsale. Gr.=26.

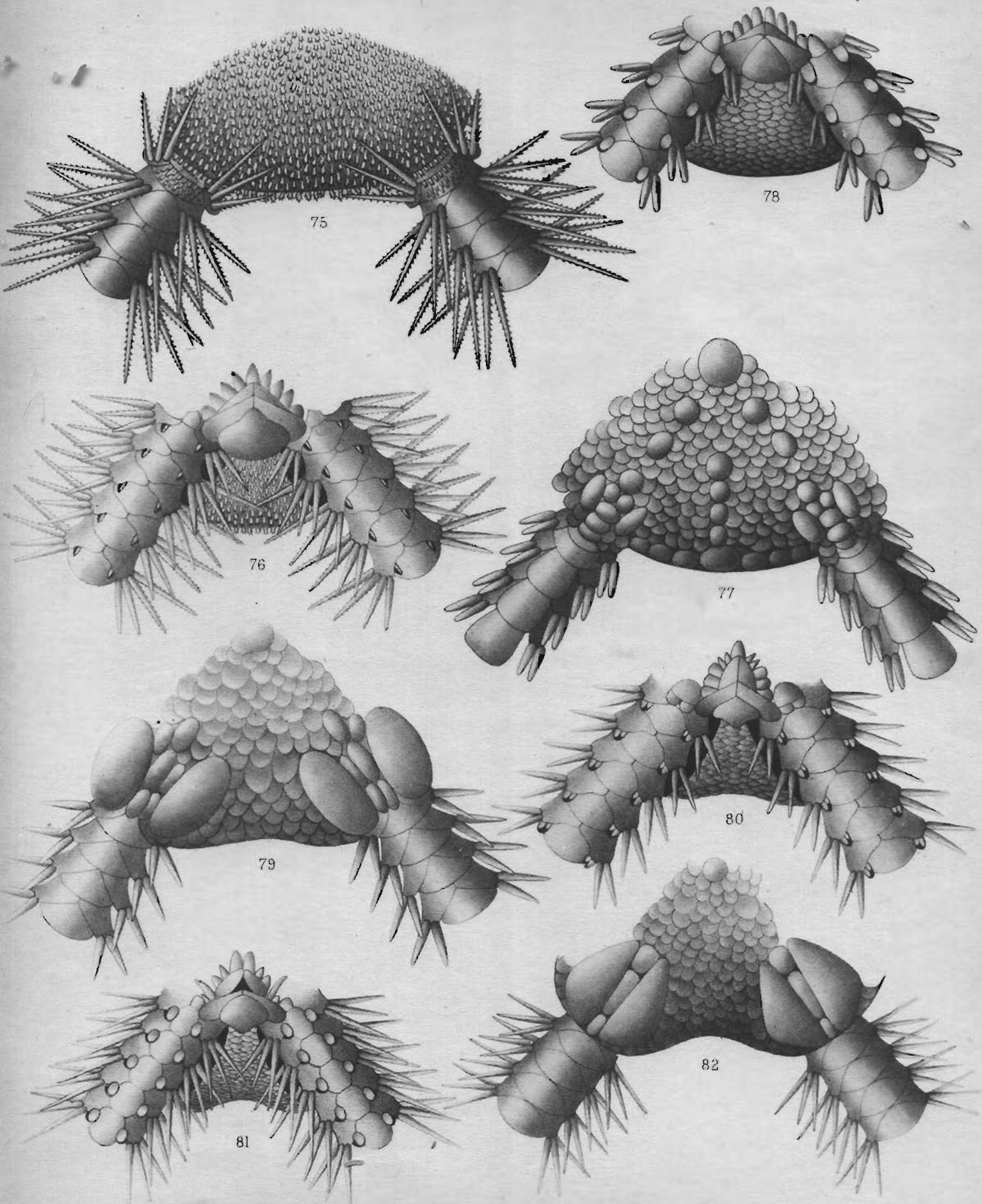
Fig. 78.—*Ophiochiton modestus*, face ventrale. Gr.=26.

Fig. 79.—*Amphiura partita* Kœhler, face dorsale. Gr.=11.

Fig. 80.—*Amphiura partita*, face ventrale. Gr.=11.

Fig. 81.—*Amphiura dispar* Kœhler, face dorsale. Gr.=11.

Fig. 82.—*Amphiura dispar*, face ventrale. Gr.=11.



75. 76. *Ophiacantha sociabilis* Koehler. 77. 78. *Ophiochiton modestus* Koehler.

79. 80. *Acanthochiton* sp. n. 81. 82. *Acanthochiton* sp. n.

PLANCHE XI.

Fig. 83.—*Ophioglypha inflata* Kœhler, face dorsale. Gr.=20.

Fig. 84.—*Ophioglypha inflata*, face ventrale. Gr.=20.

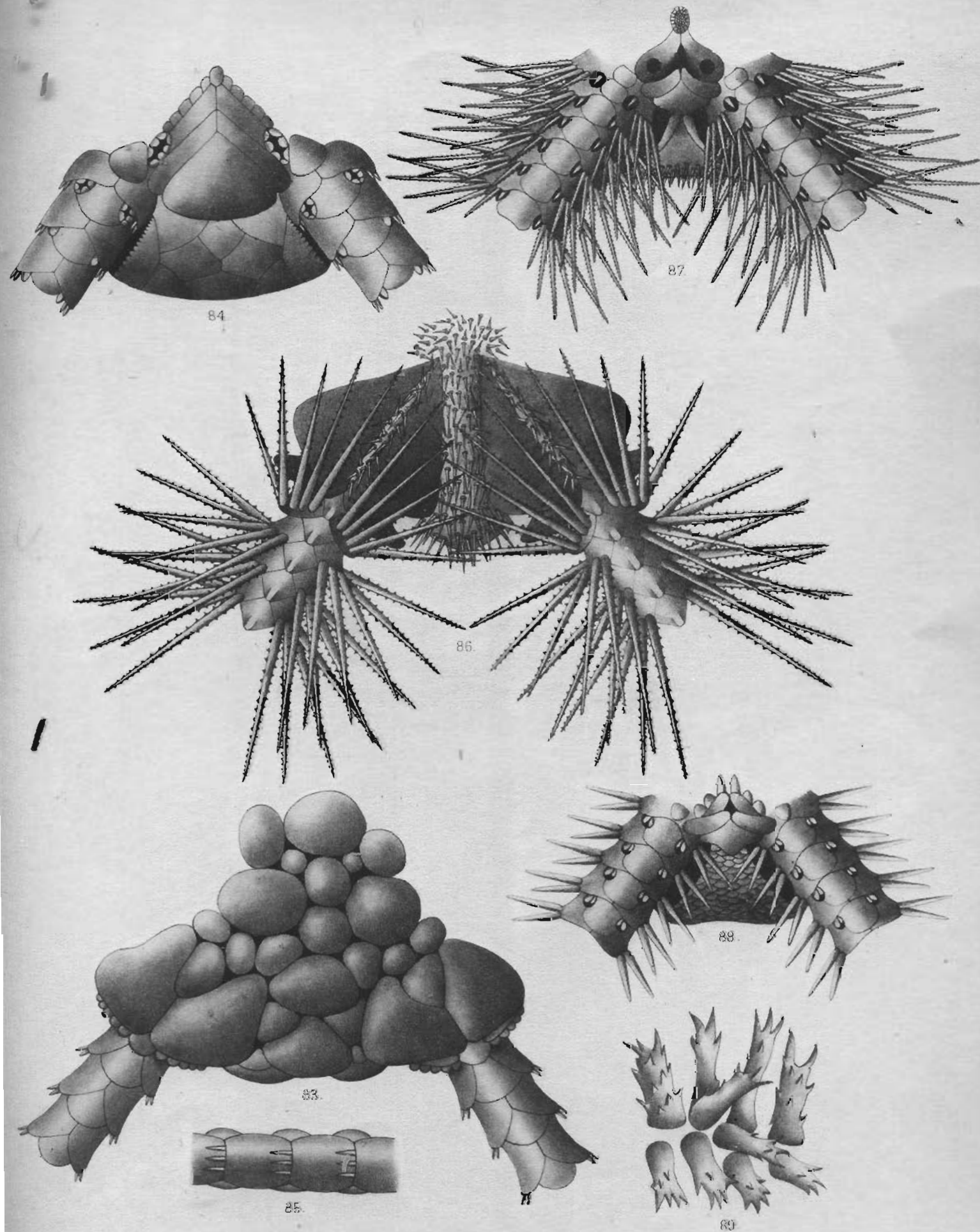
Fig. 85.—*Ophioglypha inflata*, face latérale d'un bras. Gr.=20.

Fig. 86.—*Ophiothrix aristulata*, var. *Investigatoris* Kœhler,
face dorsale. Gr.=5.

Fig. 87.—*Ophiothrix aristulata*, var. *Investigatoris*, face ventrale. Gr.=5.

Fig. 88.—*Amphiura frigida* Kœhler, face ventrale. Gr.=11.

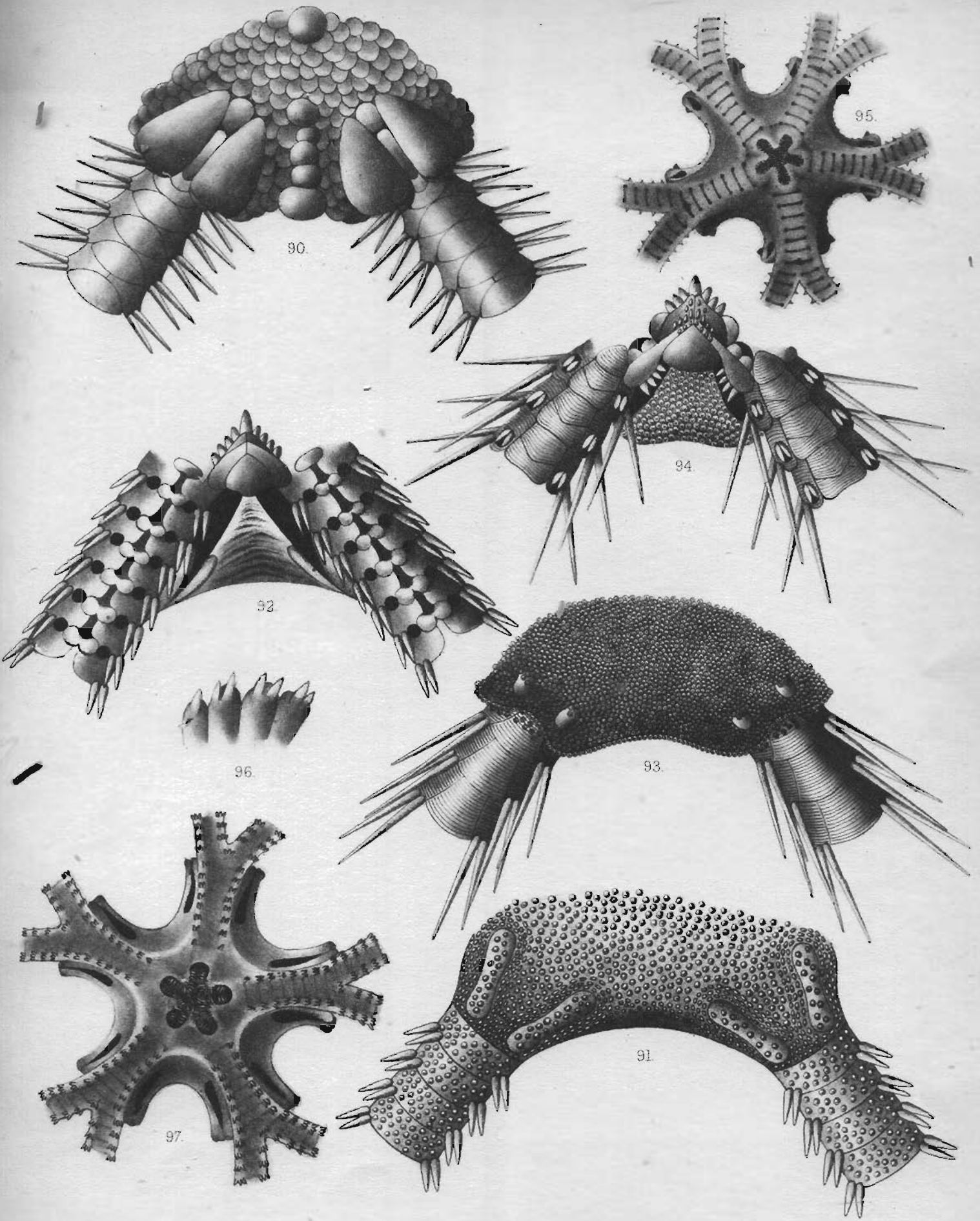
Fig. 89.—*Ophiacantha sociabilis*, piquants du disque. Gr.=30.



83. 84. 85. *Ophioglypha inflata* Koehler 86. 87. *Ophiothrix aristulata* var. *investigatoris* Koehler.

PLANCHE XII.

- Fig. 90.—*Amphiura frigida*, face dorsale. Gr.=11.
- Fig. 91.—*Ophiomyxa bengalensis* Kœhler, face dorsale. Gr.=4.
- Fig. 92.—*Ophiomyxa bengalensis*, face ventrale. Gr.=4.
- Fig. 93.—*Ophiopyren bispinosus* Kœhler, face dorsale. Gr.=20.
- Fig. 94.—*Ophiopyren bispinosus*, face ventrale. Gr.=20.
- Fig. 95.—*Gorgonocephalus cornutus* Kœhler, face ventrale du disque.
- Fig. 96.—*Gorgonocephalus cornutus*, un groupe de piquants brachiaux. Gr.=30.
- Fig. 97.—*Gorgonocephalus levigatus*, face ventrale du disque. Grandeur naturelle.

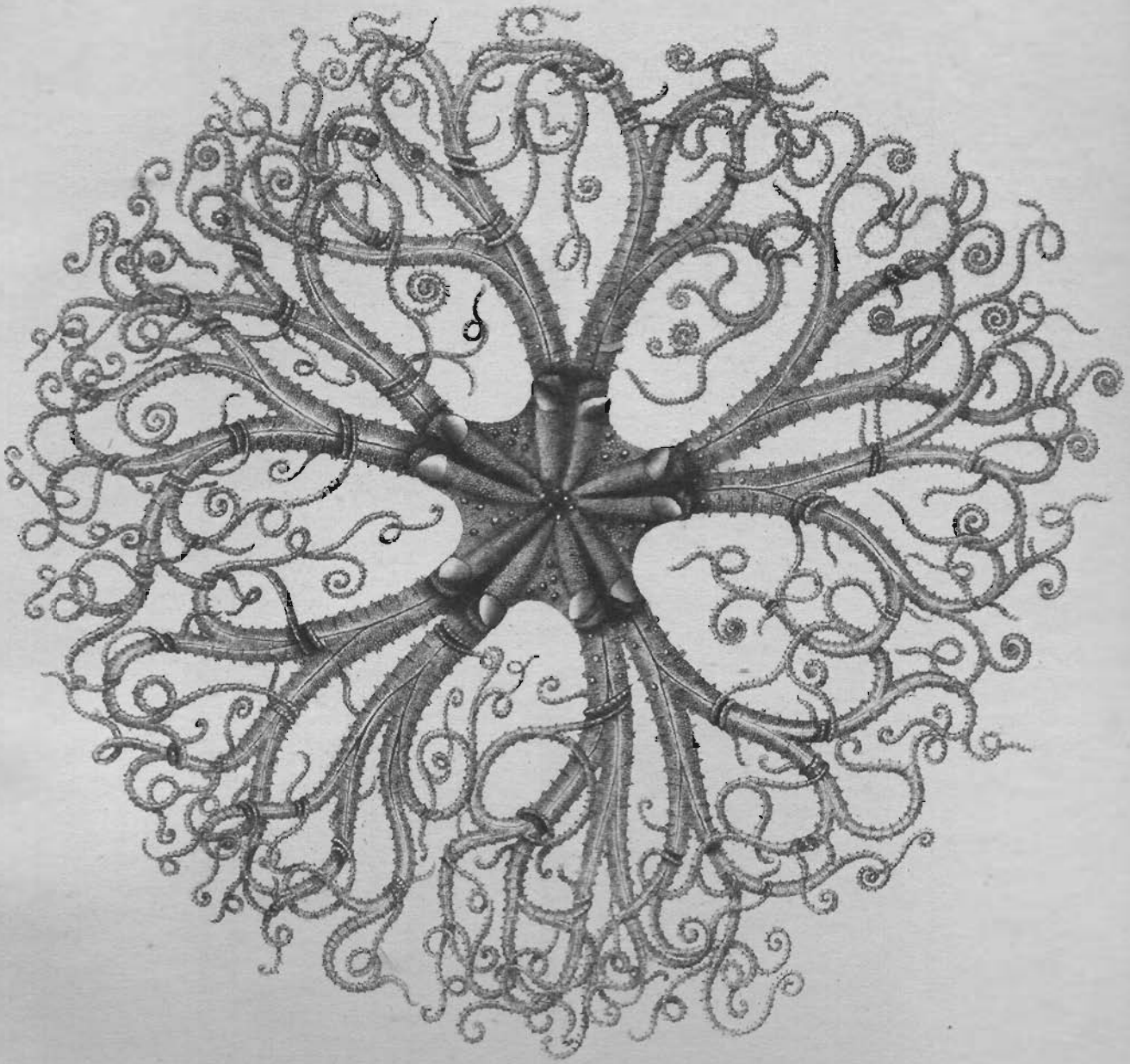


90. *Amphiura frigida* Koehler. 91. 92. *Ophiomyxa bengalensis* Koehler.
 93. 94. *Ophiopyren bispinosus* Koehler. 95. 96. *Gorgonocephalus cornutus* Koehler.
 97. *Gorgonocephalus levigatus* Koehler

PLANCHE XIII.

Fig. 98.—*Gorgonocephalus cornutus* Kœhler, face dorsale. Gr.=3.

98.



98. *Gorgonocephalus cornutus* Koehler.