

Zooplankton

Sheet 95

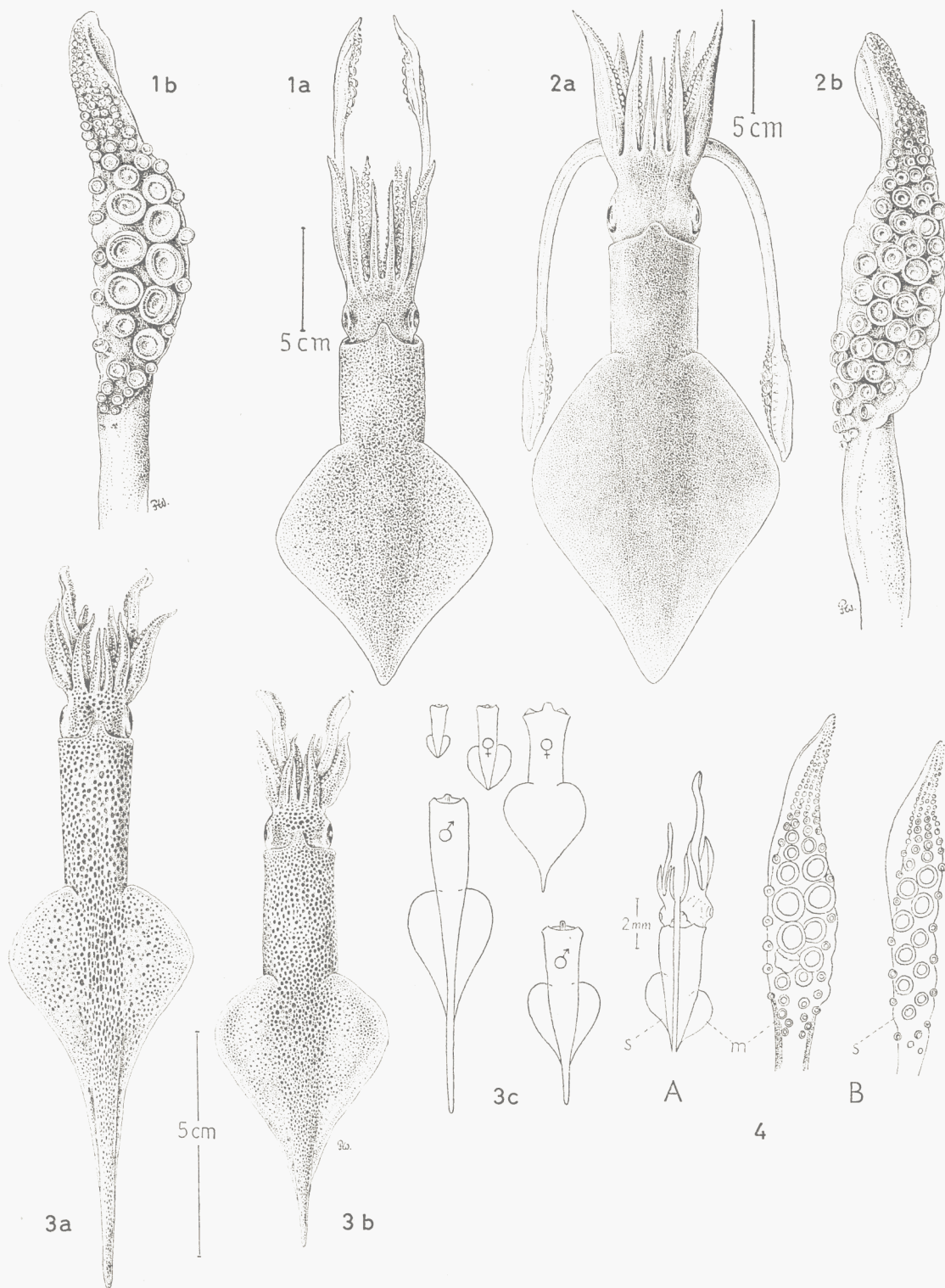
CEPHALOPODA

SUB-ORDER: TEUTHOIDEA

Family: Loliginidae

(By B. J. Muus)

1963



1. *Loligo vulgaris*; a, adult specimen; b, tentacle club. — 2. *L. forbesi*; a, adult; b, tentacle club. — 3. *Alloteuthis subulata*; a, adult male; b, adult female; c, development of fins. — 4. *A. media* compared with *A. subulata*; A, larvae; B, tentacle clubs; s, subulata; m, media. (Fig. 3c and 4A after GRIMPE; Fig. 4B after ROBSON from JAECKEL; remainder original).

Family Loliginidae

Eyes completely covered by the skin which forms a cornea (myopsid condition). Left ventral arm hectocotylized.

Genus LOLIGO (Lamarck) Naef

Posterior end of body blunt, never prolonged into a “tail”. Rhombic fins. Buccal arms with about 15 small suckers in two rows.

1. *Loligo vulgaris* Lamarck. Adult males carmine coloured. Medial suckers of the tentacles much bigger than the marginal suckers.
2. *L. forbesi* Steenstrup. Reddish brown. Medial suckers of the tentacles only slightly bigger than the marginal suckers.

Genus ALLOTEUTHIS Wülker

Posterior end of body often prolonged into a “tail”. Heart-shaped fins. Buccal arms short and without suckers.

	Mantle length	Identification
3. <i>Alloteuthis subulata</i> (L.)	30–50 mm > 50 mm	Tentacle club at most 11 mm, mantle prolonged posteriorly. Distance from anterior edge of fin to “tail” tip > 50 % of total mantle length.
4. <i>A. media</i> (L.) Naef	30–50 mm > 50 mm	Tentacle club at least 12 mm, mantle pointed but not prolonged. Distance from anterior edge of fin to tip < 50 % of total mantle length.

Further Information on Identification

1. *Loligo vulgaris*: JAECKEL, 1958, p. 581, Fig. 53. NAEF, 1923, p. 197, Textfigs. 91–93, Pl. I, Figs. 1–6; Pl. II, Figs. 1–5.
2. *L. forbesi*: JAECKEL, 1958, p. 583, Figs. 54, 55a. NAEF, 1923, p. 202, Textfigs. 94, 95.
3. *Alloteuthis subulata*: GRIMPE, 1925, p. 44, Textfigs. 19–22, Pl. Figs. 10–14. JAECKEL, 1958, p. 584, Figs. 55b, 56, 57. NAEF, 1923, p. 219, Textfigs. 103–105.
4. *A. media*: GRIMPE, 1925, p. 66, Textfig. 25, Pl. Fig. 15. JAECKEL, 1958, p. 585, Figs. 56, 57. NAEF, 1923, p. 215, Textfigs. 101, 102.

References to Work on Biology

(Numbers after references give species referred to)

GRIMPE (1925) 1, 2, 3, 4. JAECKEL (1958) 1, 2, 3, 4. TINBERGEN and VERWEY (1945) 1.

Distribution

Species

Gulf of Bothnia.....	—
Gulf of Finland.....	—
Baltic proper.....	(1), (2), 3
Belt Sea.....	(1), 2, 3
Kattegat.....	1, 2, 3
Skagerak.....	1, 2, 3
Northern North Sea.....	1, 2, 3, (4)
Southern North Sea.....	1, 2, 3, 4
English Channel (eastern)...	1, 2, 3, 4
English Channel (western) ..	1, 2, 3, 4
Bristol Channel and Irish Sea	1, 2, 3, 4
South and West Ireland and Atlantic.....	1, 2, 3, 4
Faroe-Shetland Area.....	2, 3
Faroe-Iceland Area.....	—
Norwegian Sea	—
Barents Sea	—

References

- GRIMPE, G., 1925. Wiss. Meeresunt. Abt. Helgol., N. F., **16** (1): 1–124.
- JAECKEL, G. A., 1958. Tierwelt d. Nord- und Ostsee, Lief. 36, Teil 9, b3: 479–723.
- NAEF, A., 1923. Fauna e Flora d. Golfo d. Napoli, 35. Monogr., Teil 1, **1**: 1–863.
- TINBERGEN, L., & VERWEY, J., 1945. Arch. Néerl. Zool., **7** (1–2): 213–86.