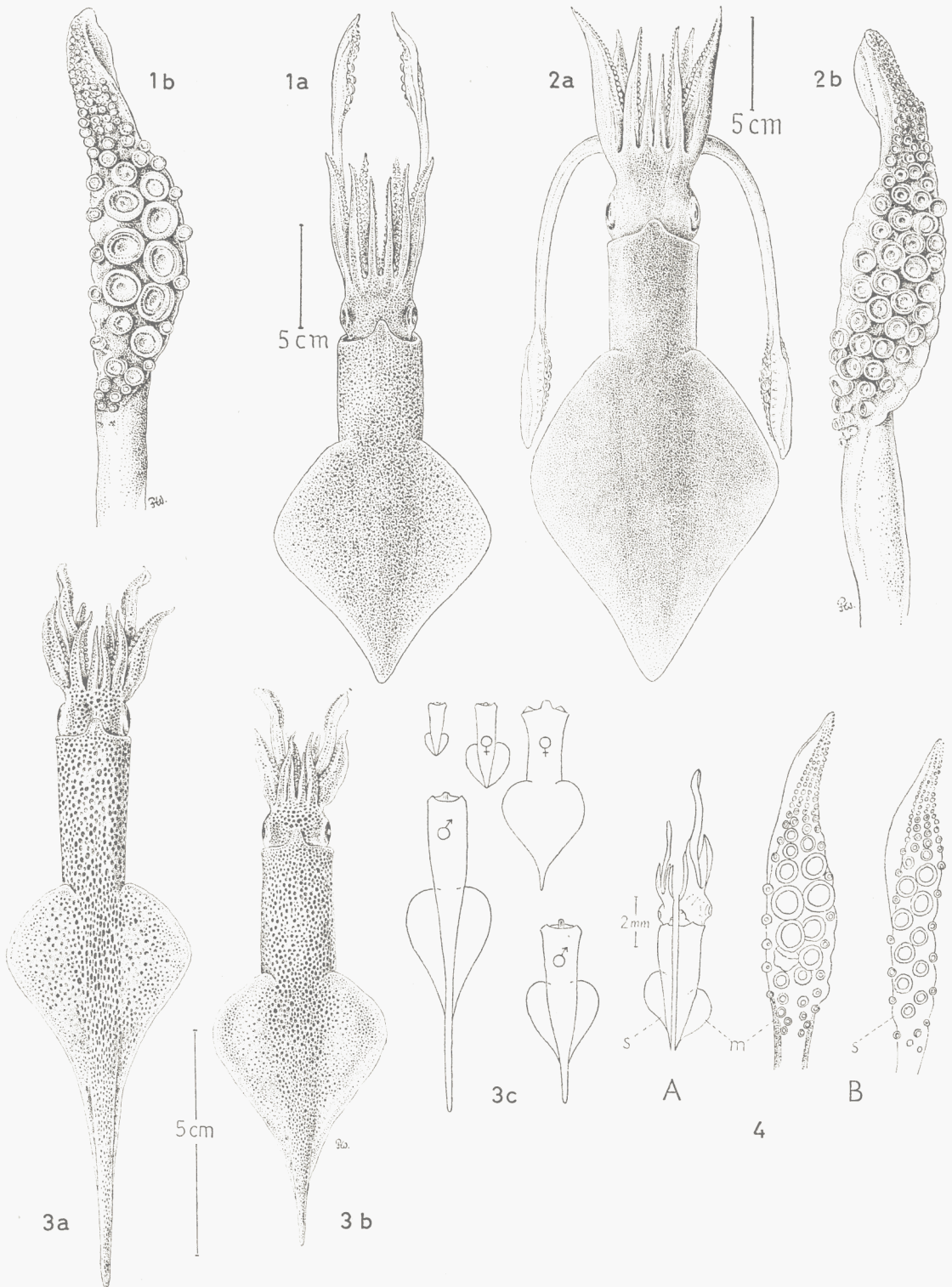


**Zooplankton**  
**Sheet 95**

**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.