

Fig. 11. Salinity, temperature, oxygen distribution and
rainfall during 1976 at Mestizajilij.

THOTTAPPILLY

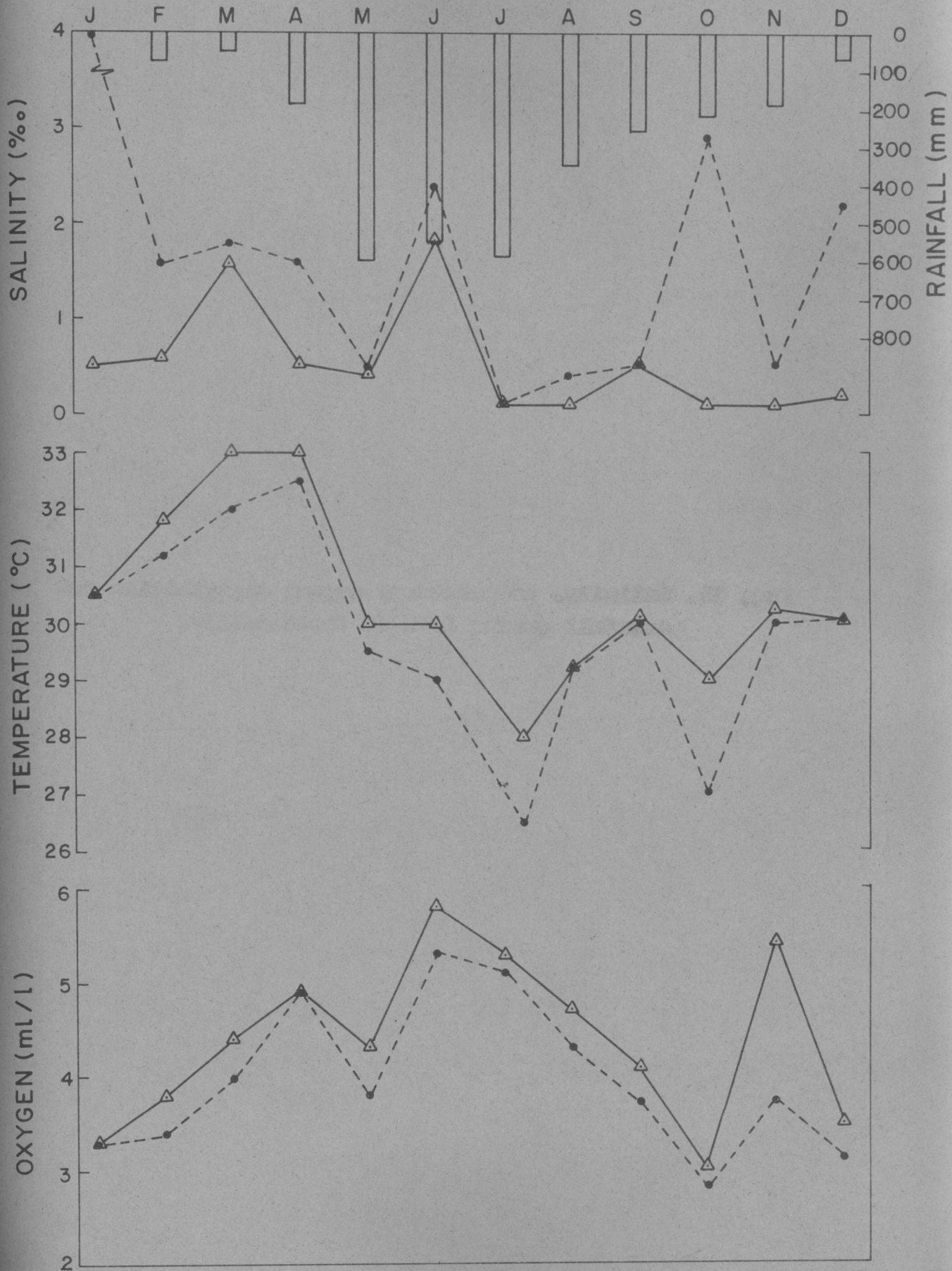


Fig. 11

**Fig. 12. Distribution of zooplankton counts (No./10m³)
in the estuaries during 1978.**

TOTAL ZOOPLANKTON

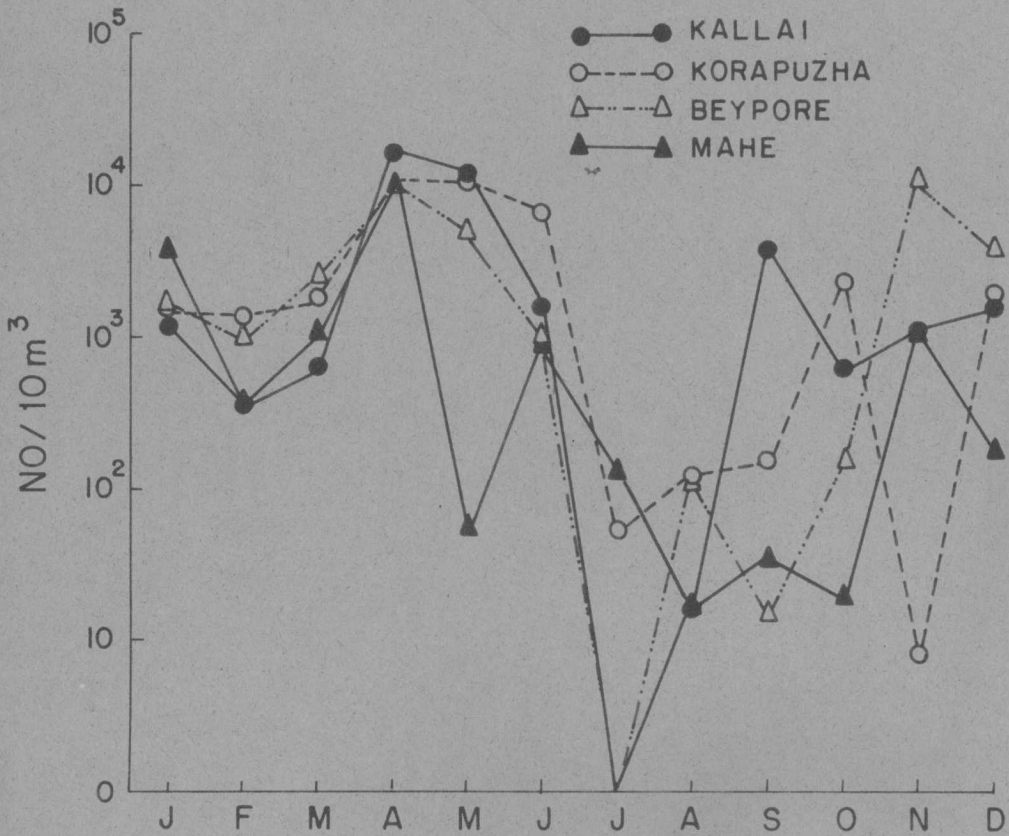
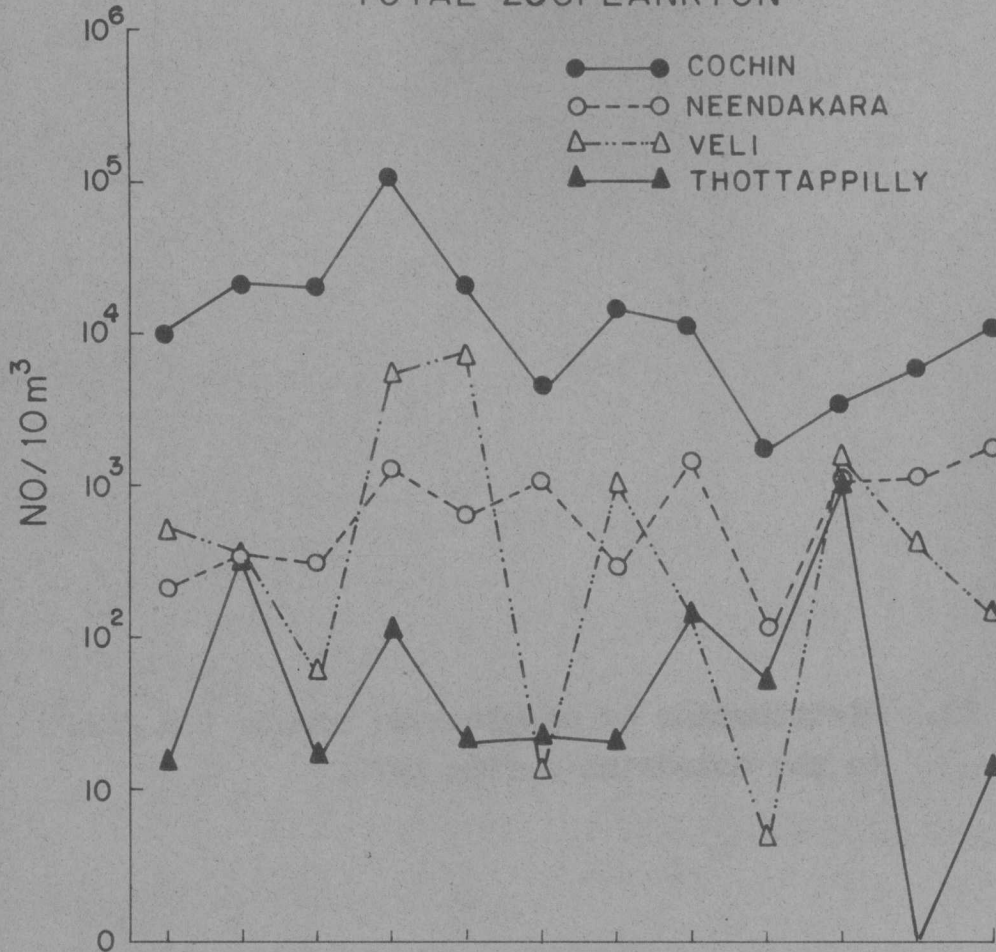


Fig. 12

**Fig. 13. Distribution of common groups at Cochin and
Neendakara estuaries.**

**Description of lines in the bottom figures of
Figs. 13 to 16 as in the upper figures.**

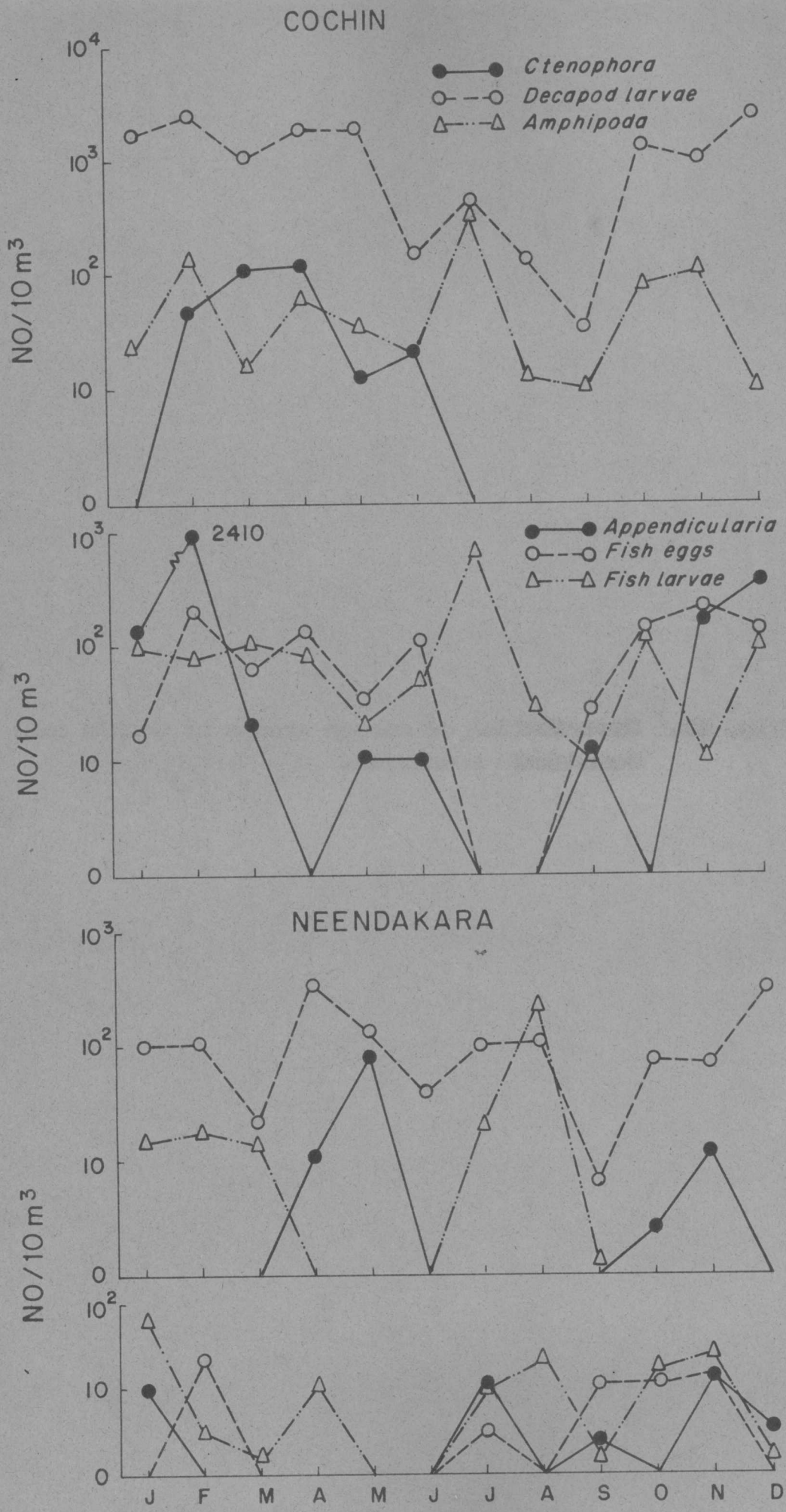


Fig. 13

**Fig. 14. Distribution of common groups at Kallai and
Kerapuzha estuaries.**

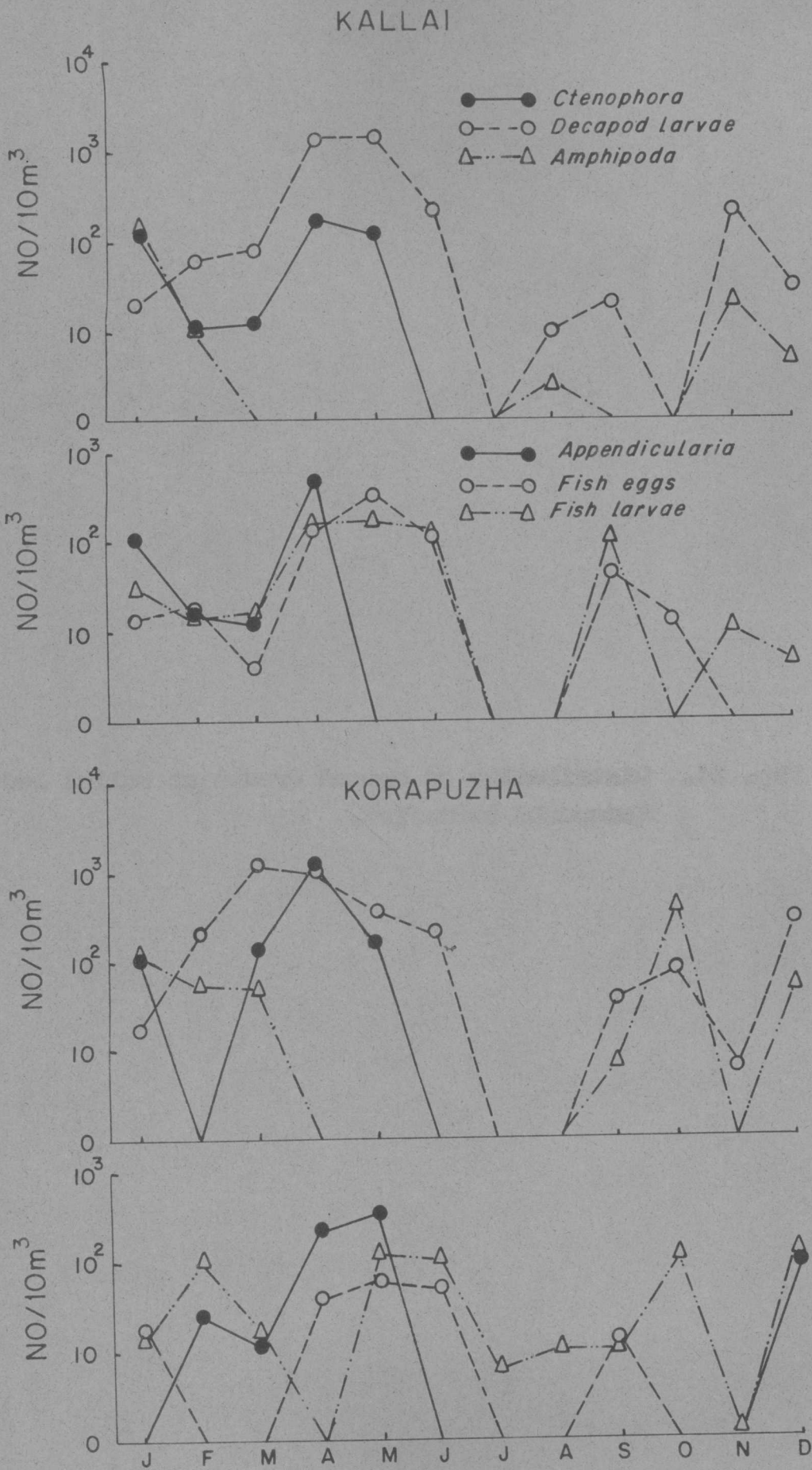


Fig. 14

Fig. 15. Distribution of common groups at Beypore and Mahe estuaries.

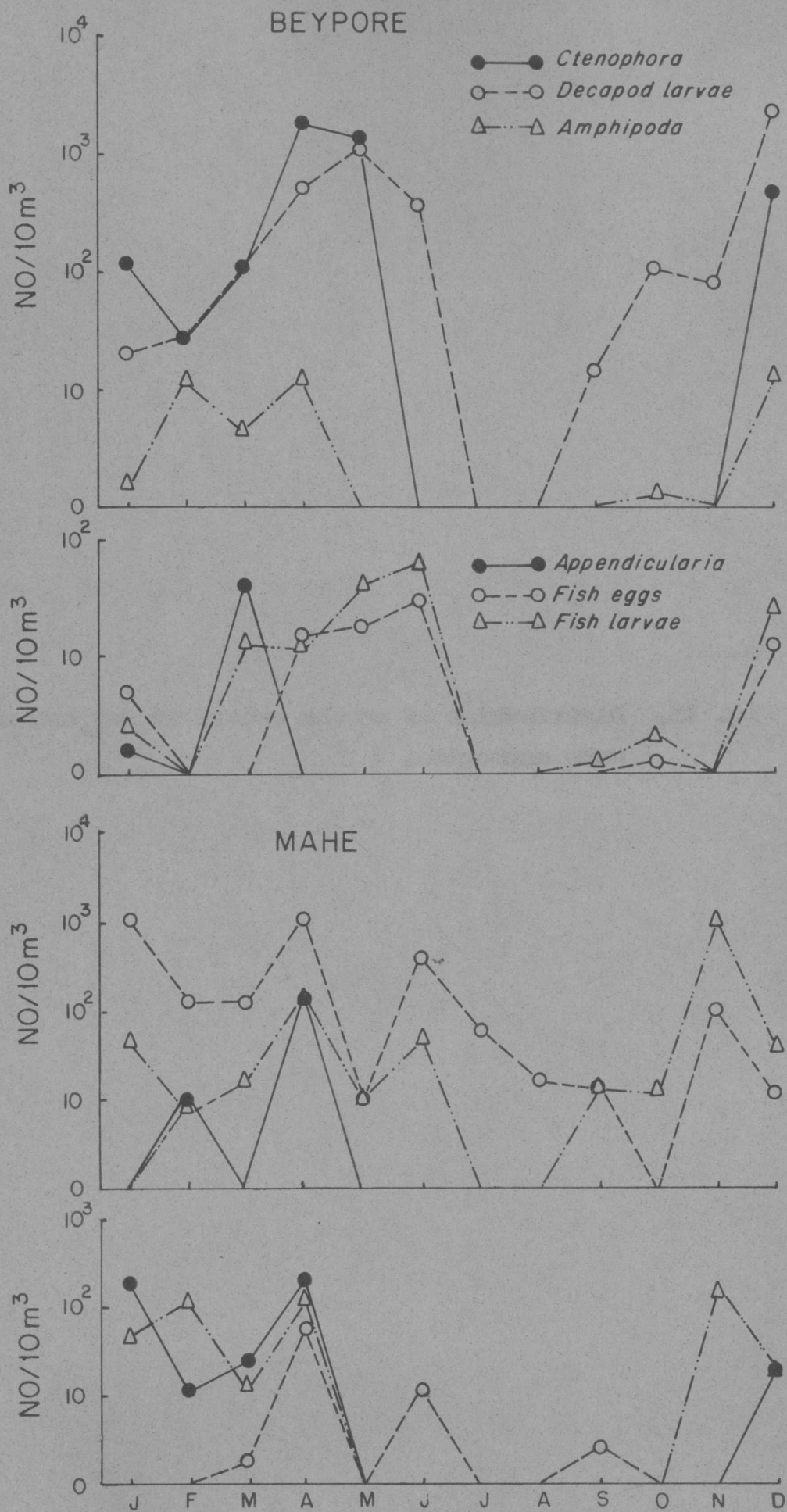
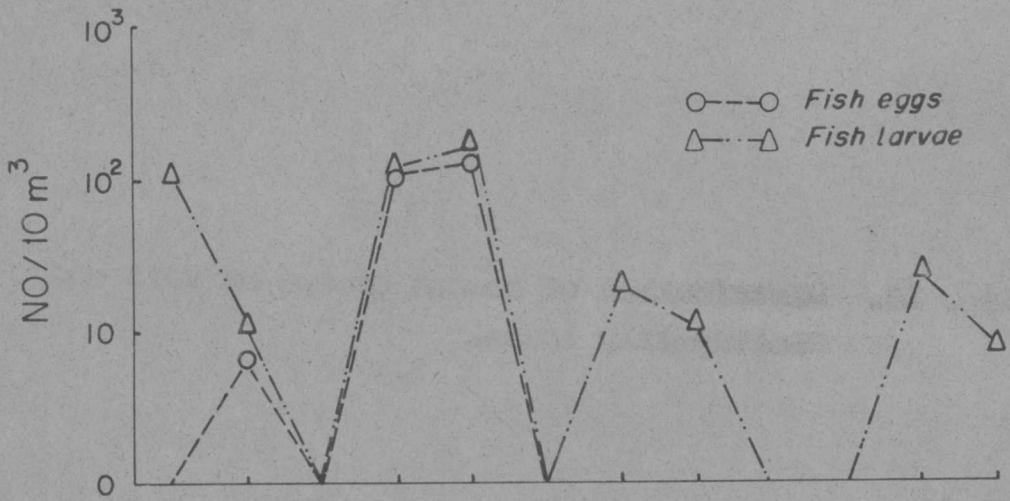
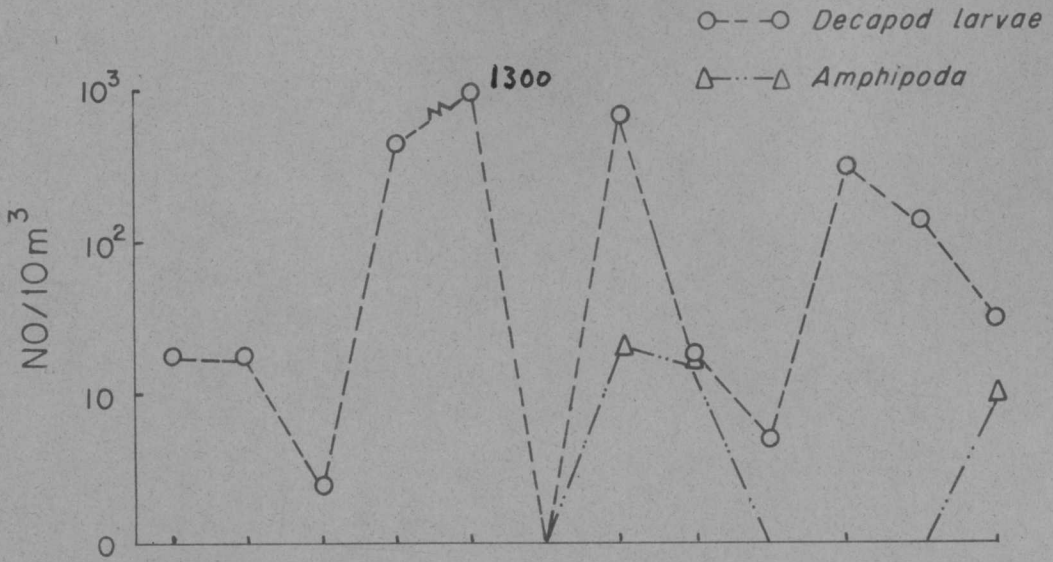


Fig. 15

Fig. 16. Distribution of common groups at Veli and Thottappilly lakes.

VELI



THOTTAPPILLY

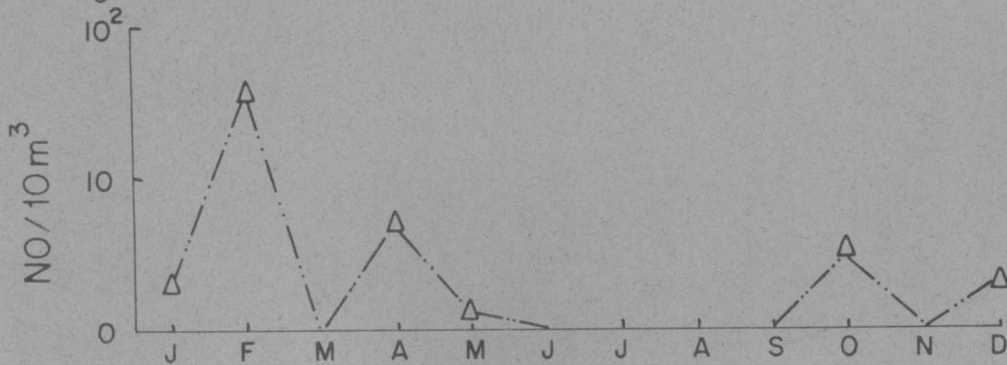
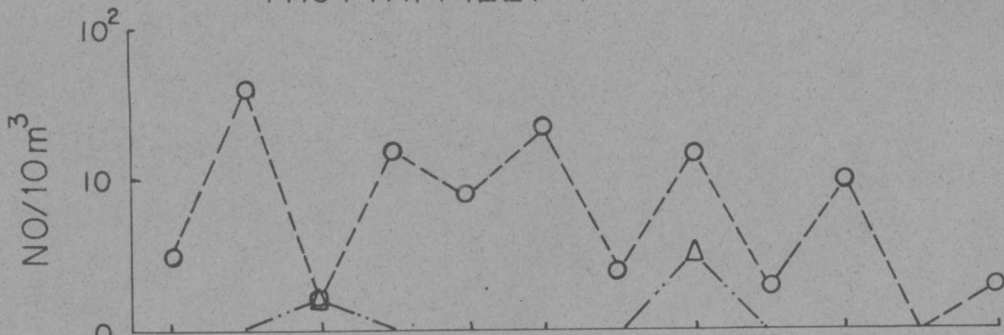
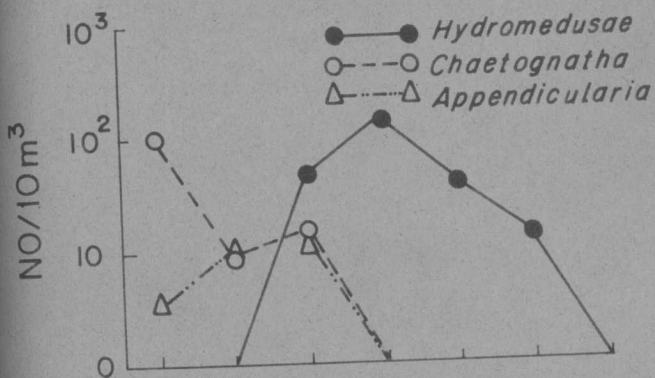


Fig. 16

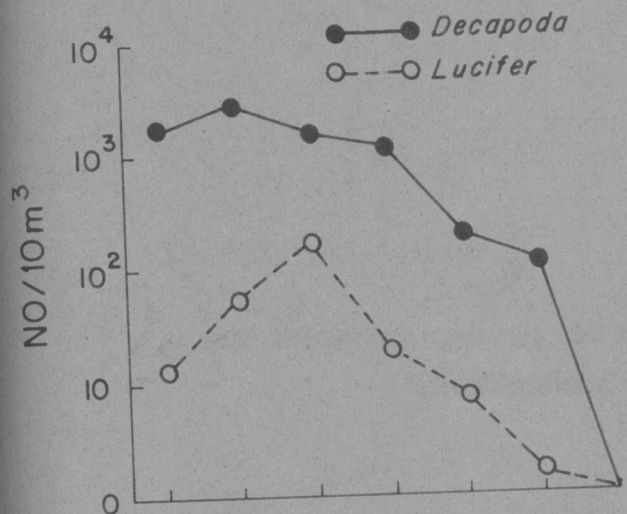
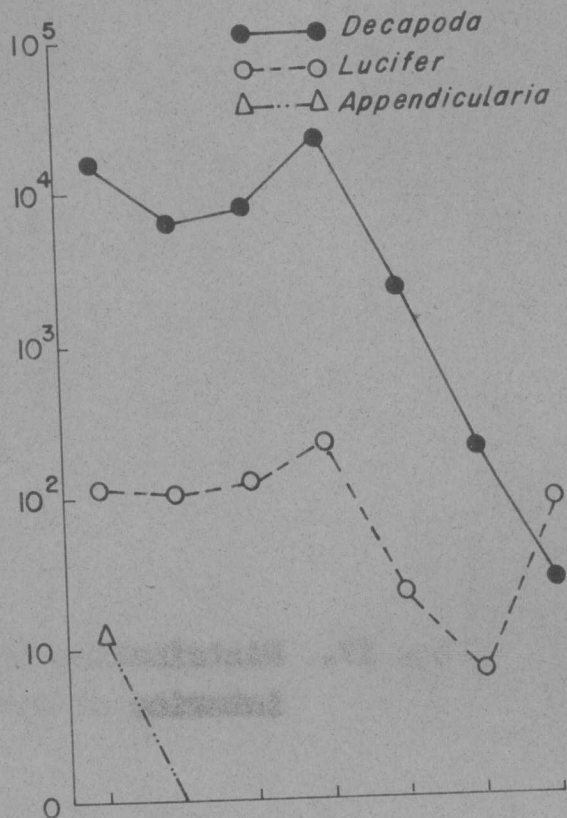
Fig. 17. Distribution of common groups towards the interior of Cochin backwaters.

COCHIN

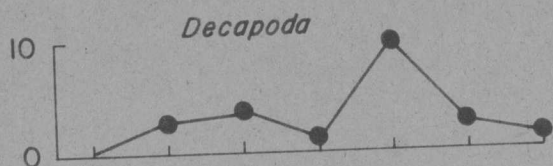
JANUARY



APRIL



JULY



NOVEMBER

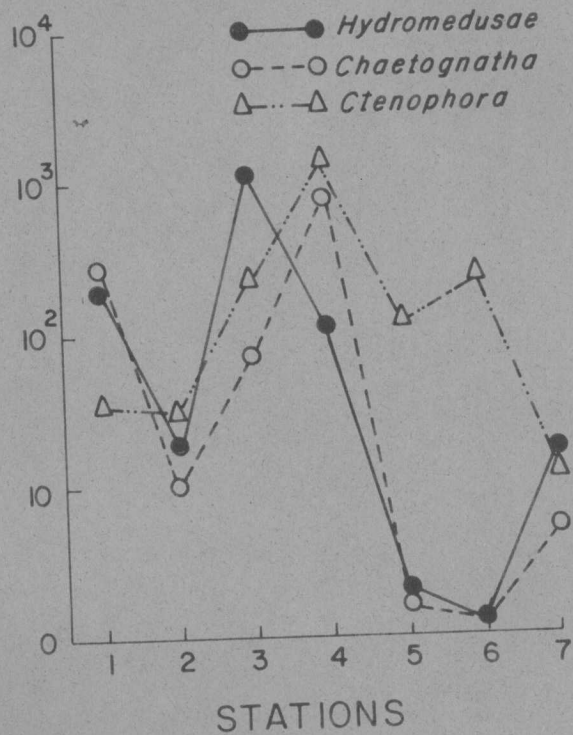
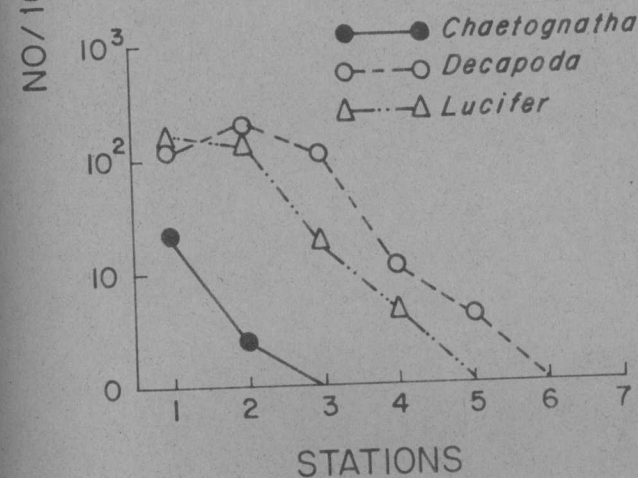


Fig. 17

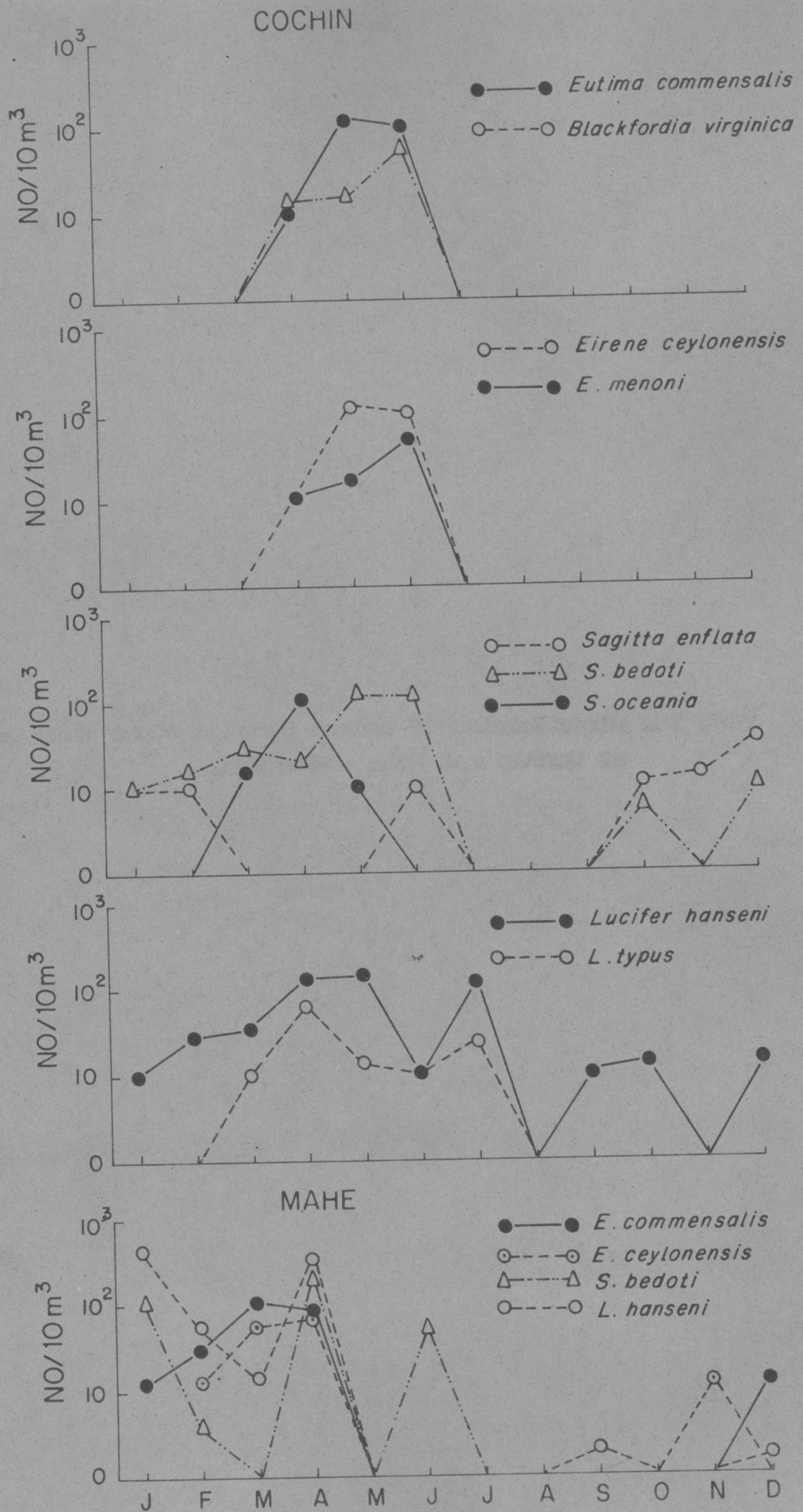
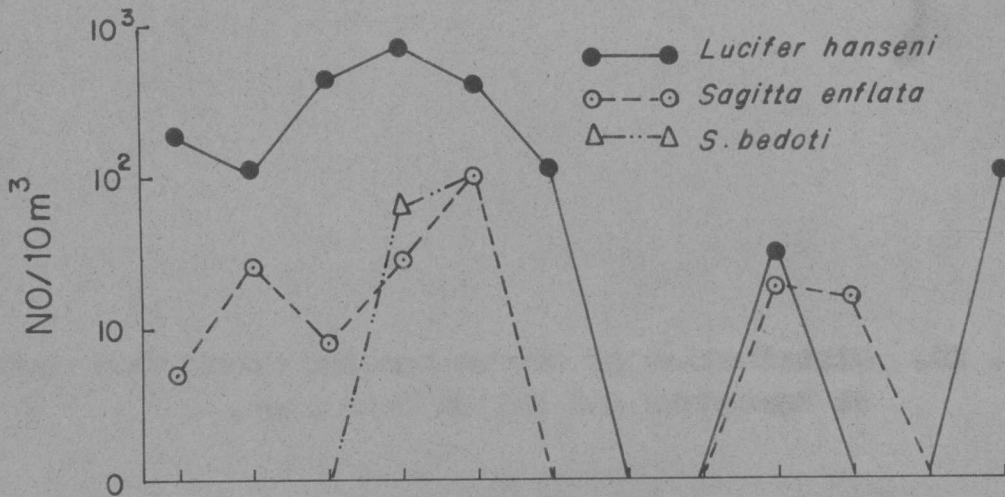
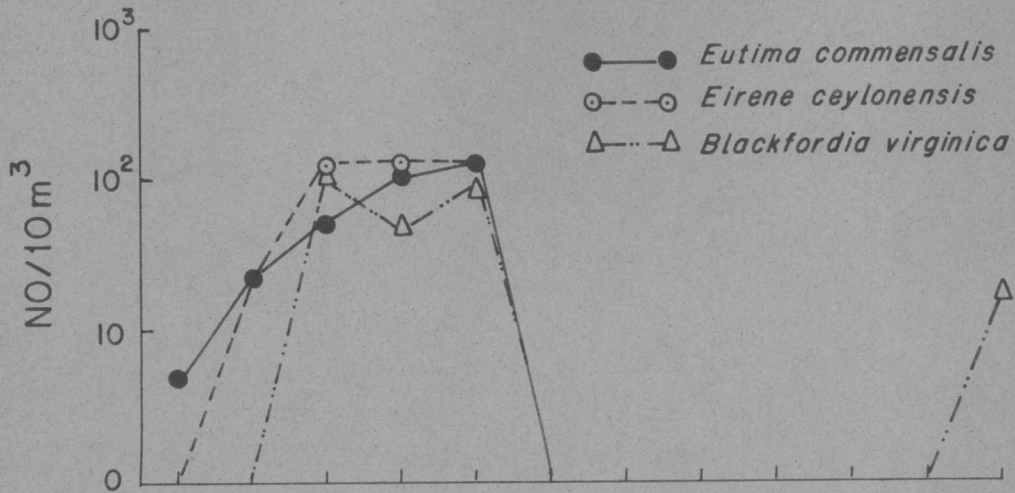


Fig 18

**Fig. 19. Distribution of common species other than copepods
at Korapuzha and Kallai estuaries.**

KORAPUZHA



KALLAI

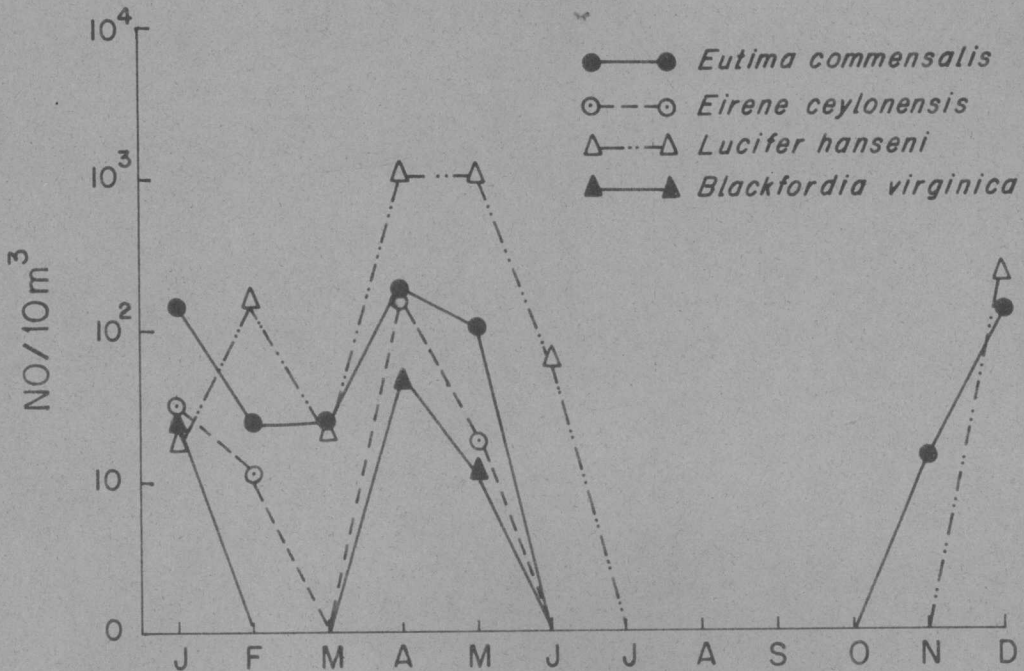


Fig. 19

**Fig. 20. Distribution of common species other than copepods
at Beypore and Neendakara estuaries.**

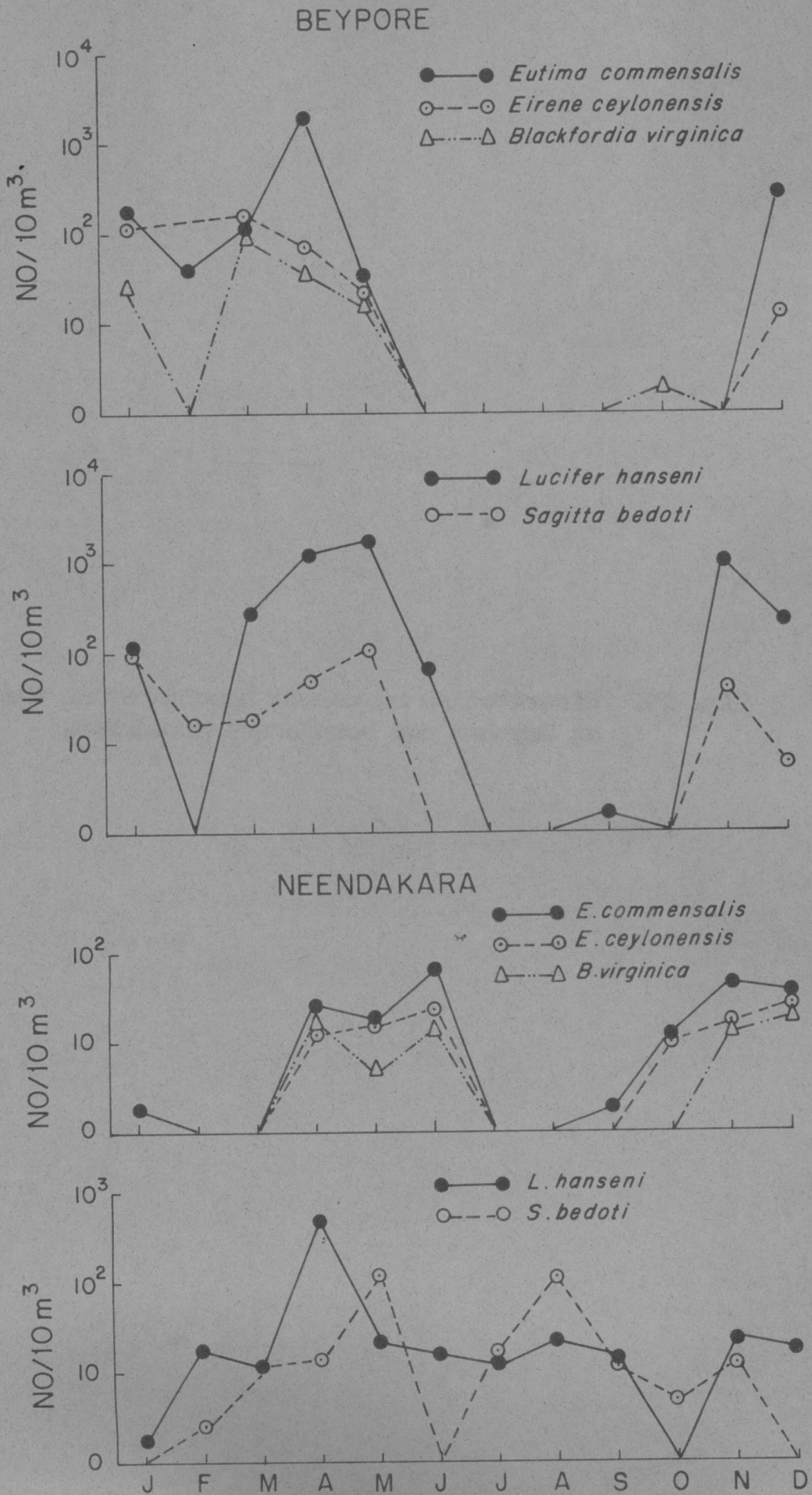


Fig. 20

Fig. 21. Distribution of total Copepoda in the eight estuaries during 1978.

TOTAL COPEPODA

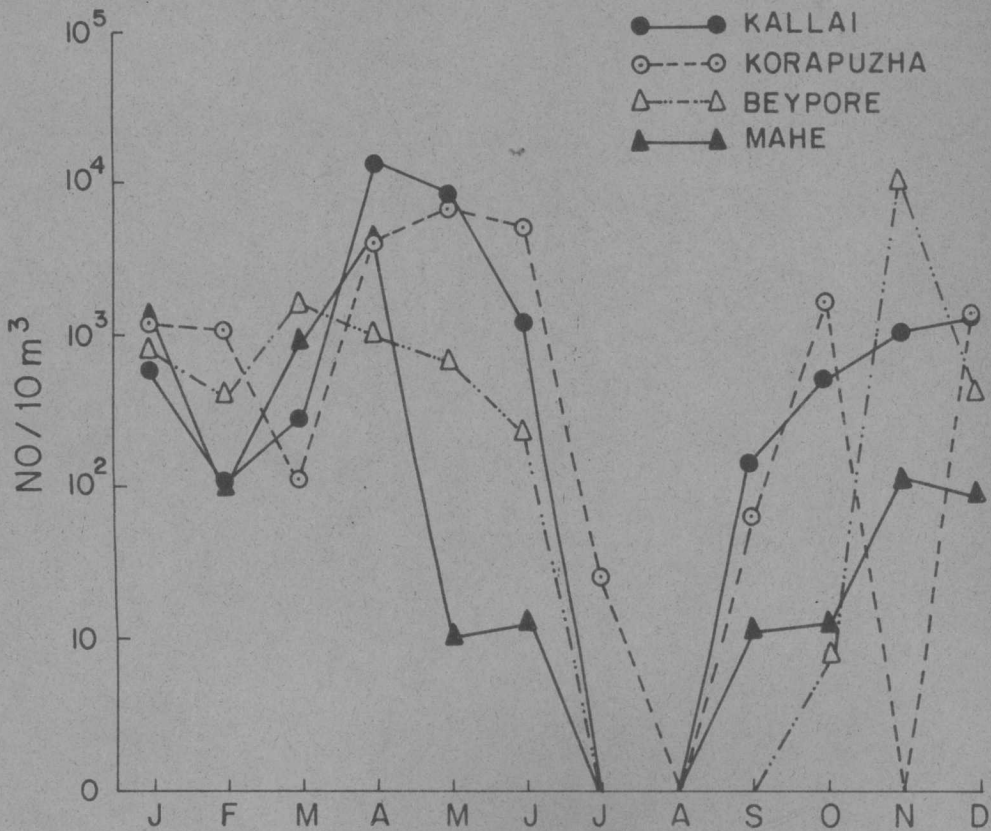
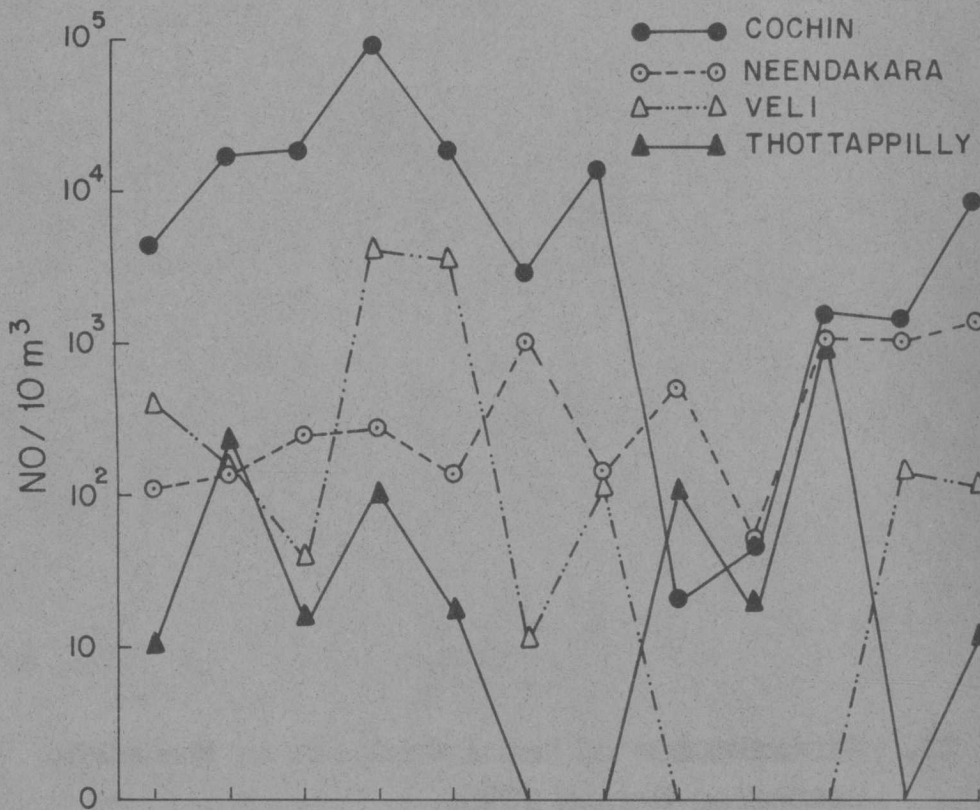


Fig. 21

Fig. 224. Distribution of common copepod species at the mouth of Cochin backwaters.

COCHIN

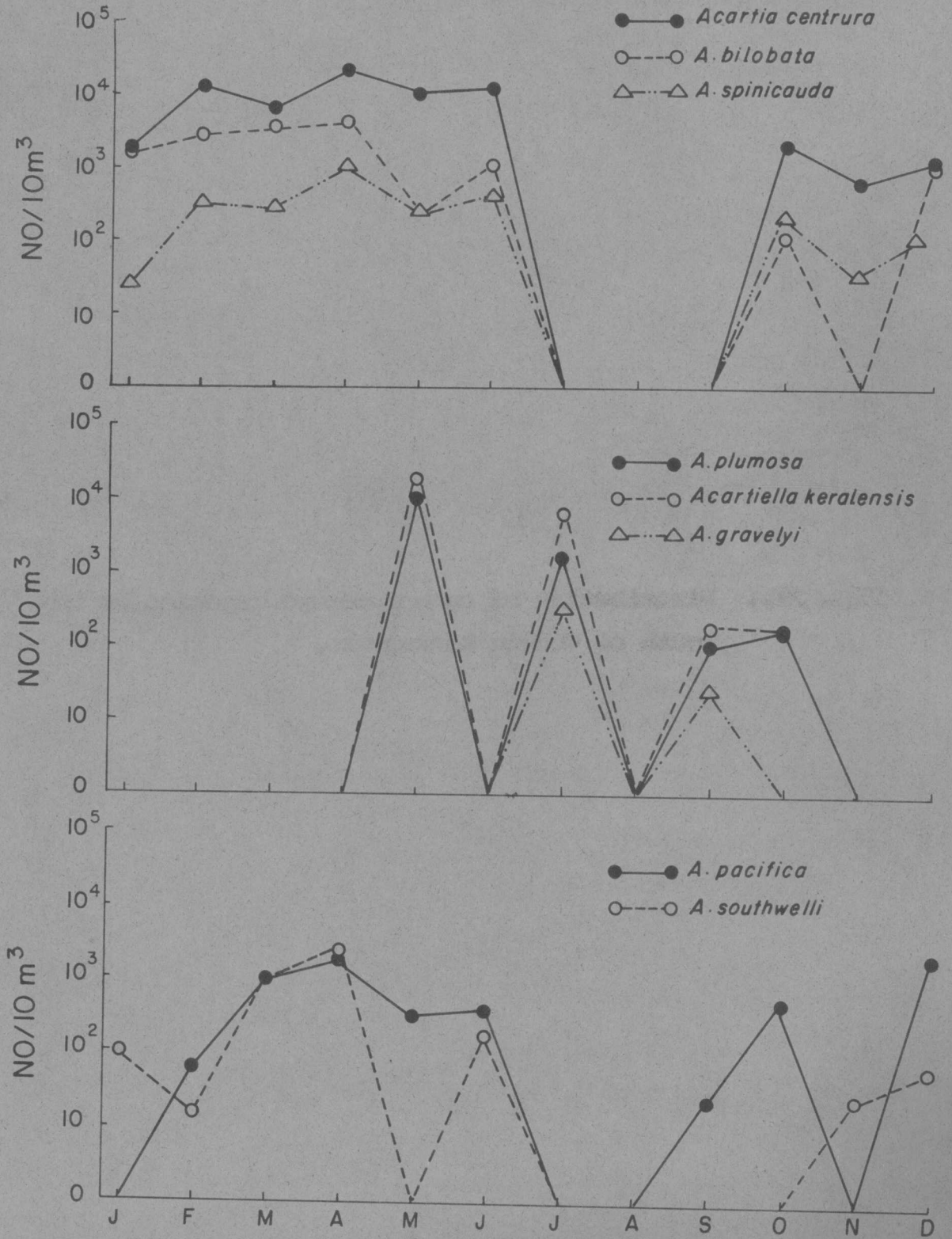


Fig. 22 A

COCHIN

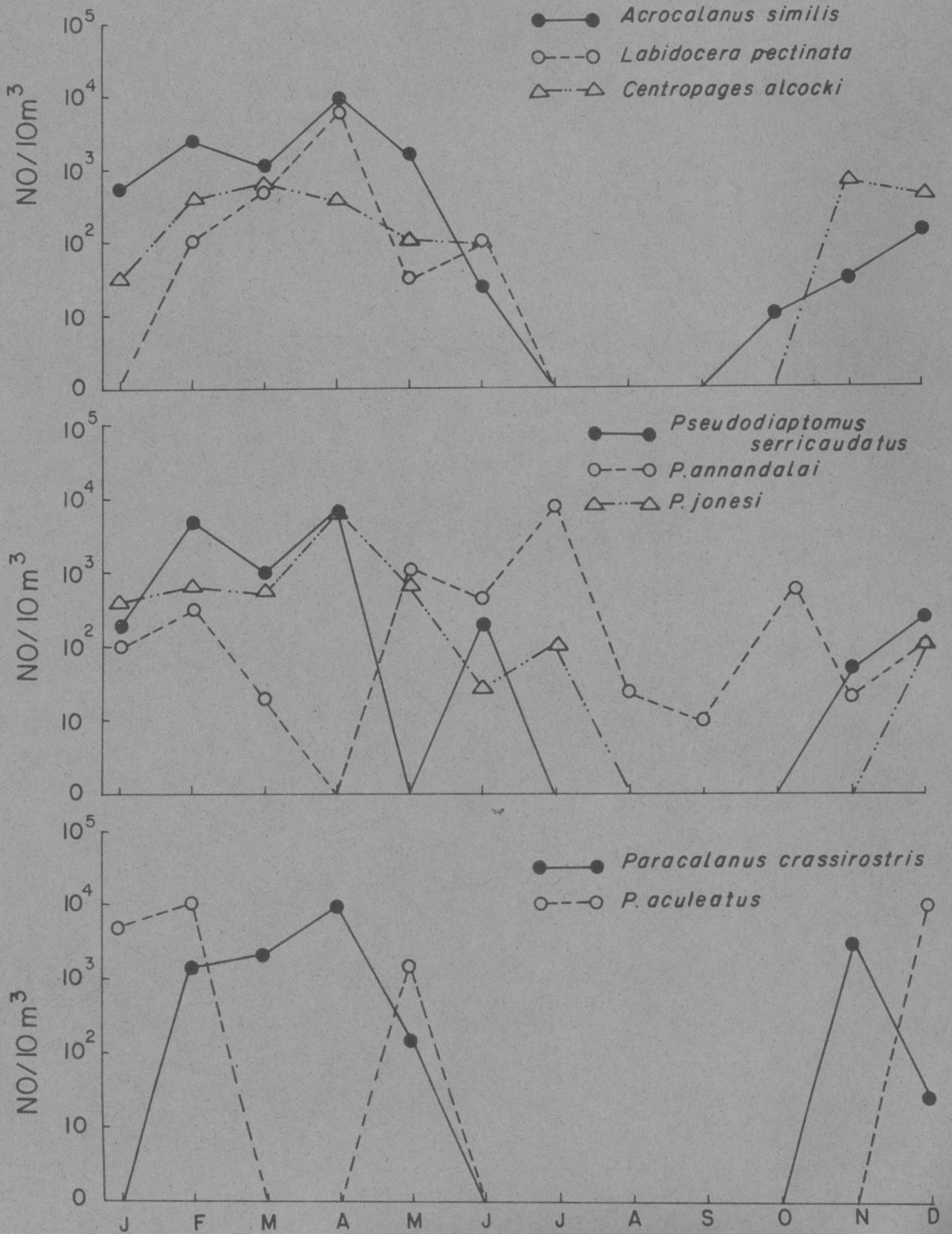


Fig. 22 A

Fig. 22 B. Distribution of common copepod species towards the upper reaches of Cochin backwaters.

COCHIN

APRIL

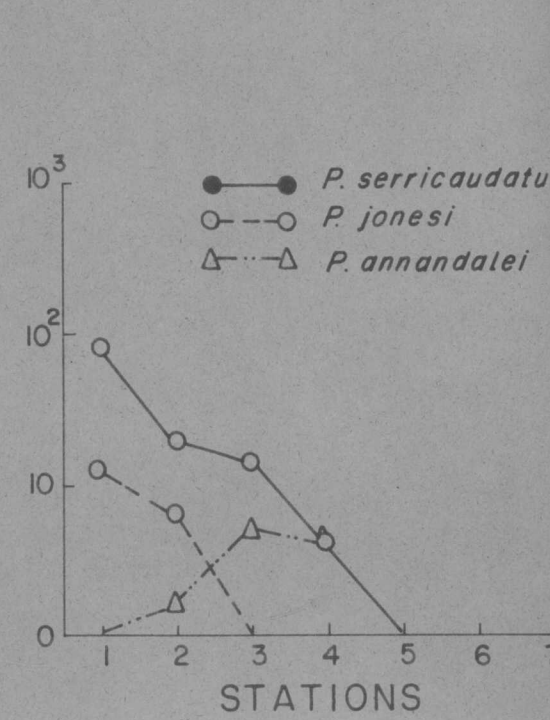
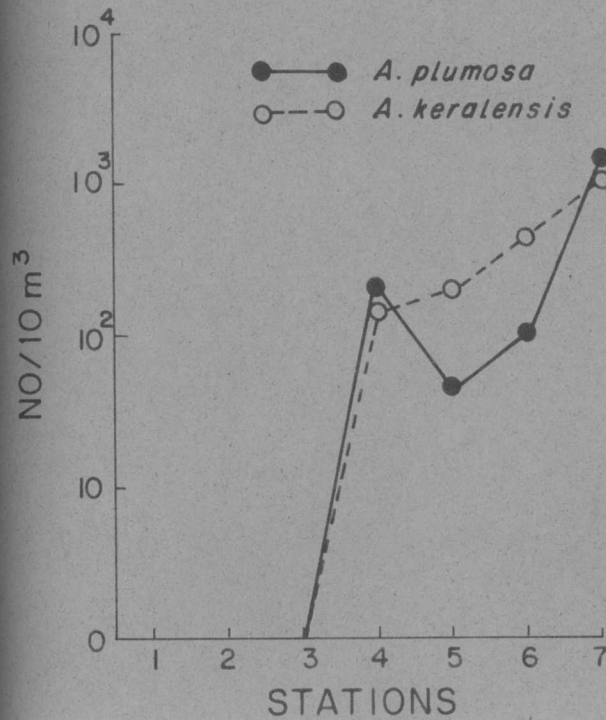
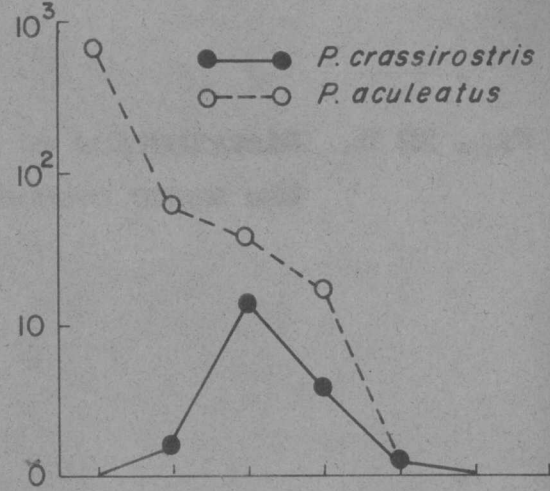
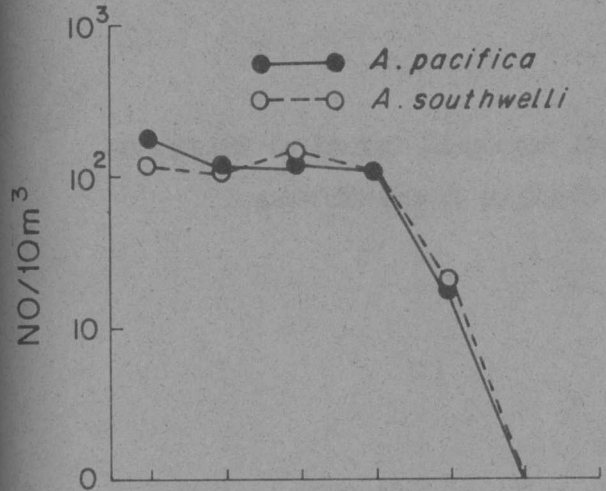
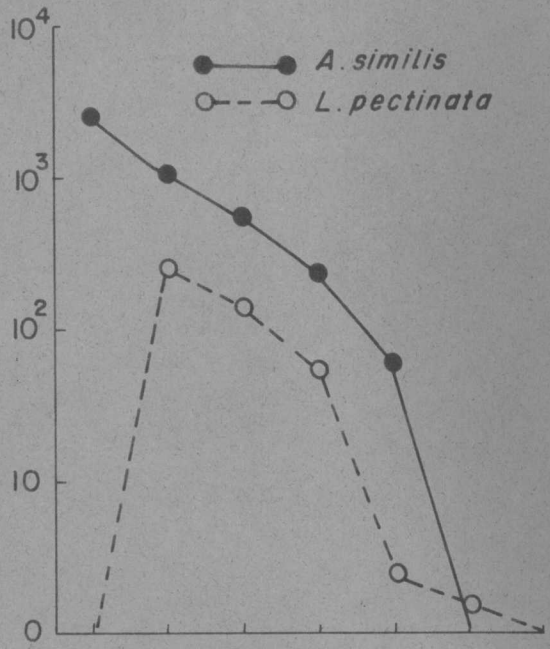
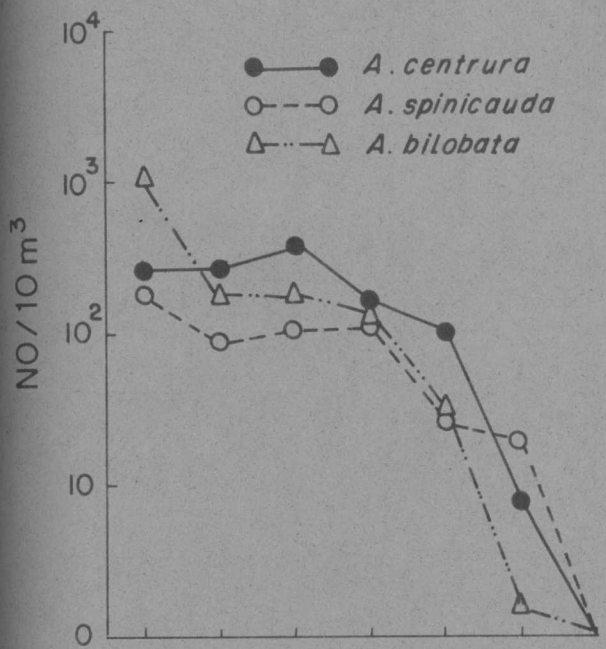


Fig 22 B

Fig. 22 C. Distribution of common copepod species towards the upper reaches of Cochin backwaters.

COCHIN

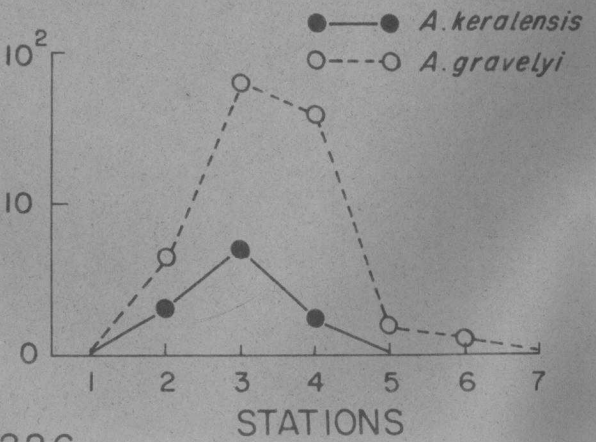
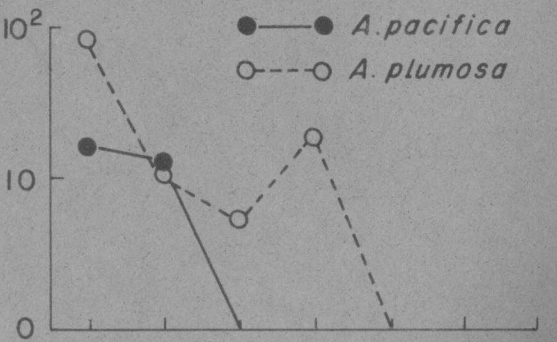
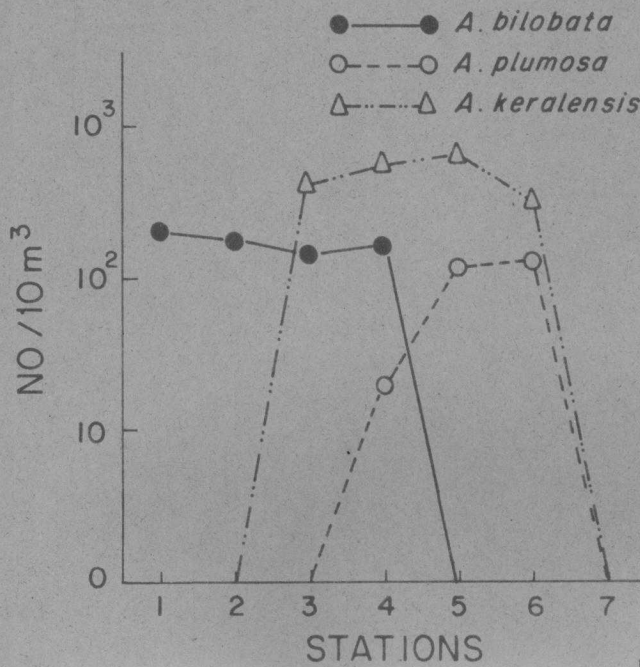
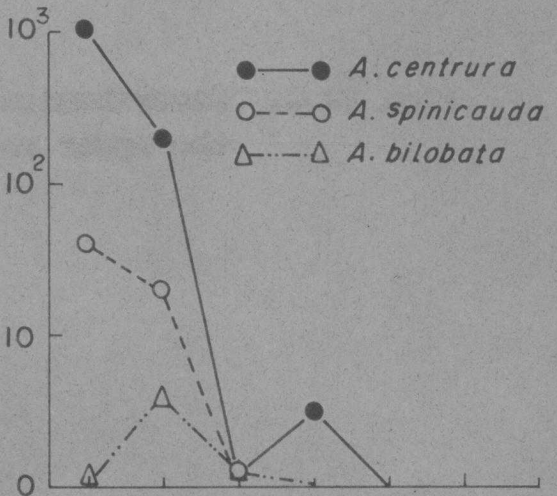
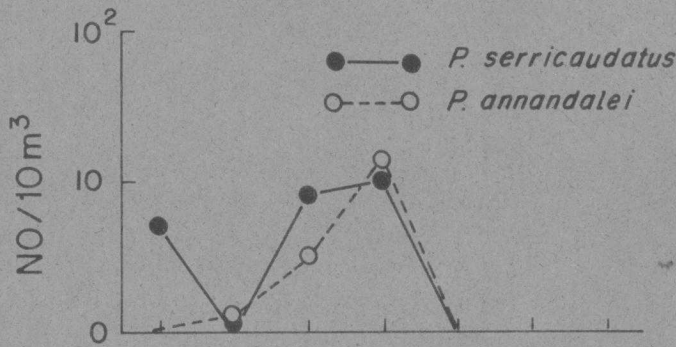
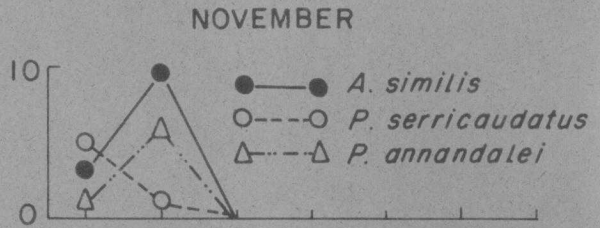
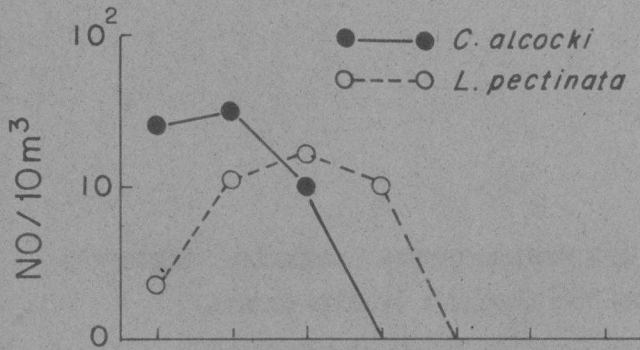
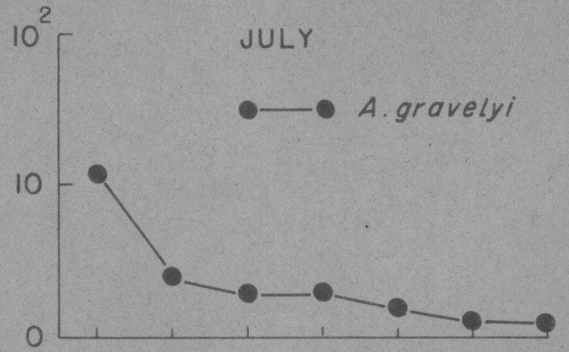
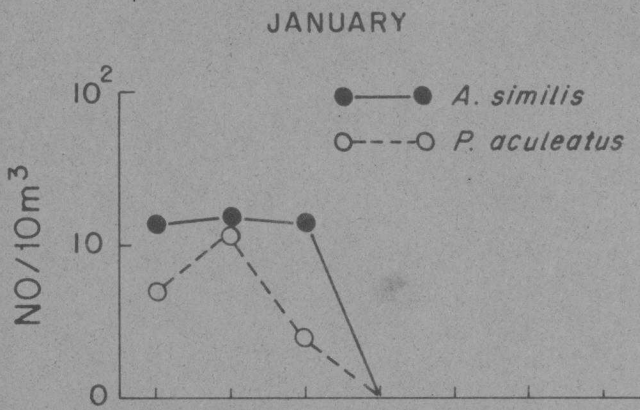


Fig 22C

**Fig. 23. Distribution of common copepod species
at Neendakara.**

NEENDAKARA

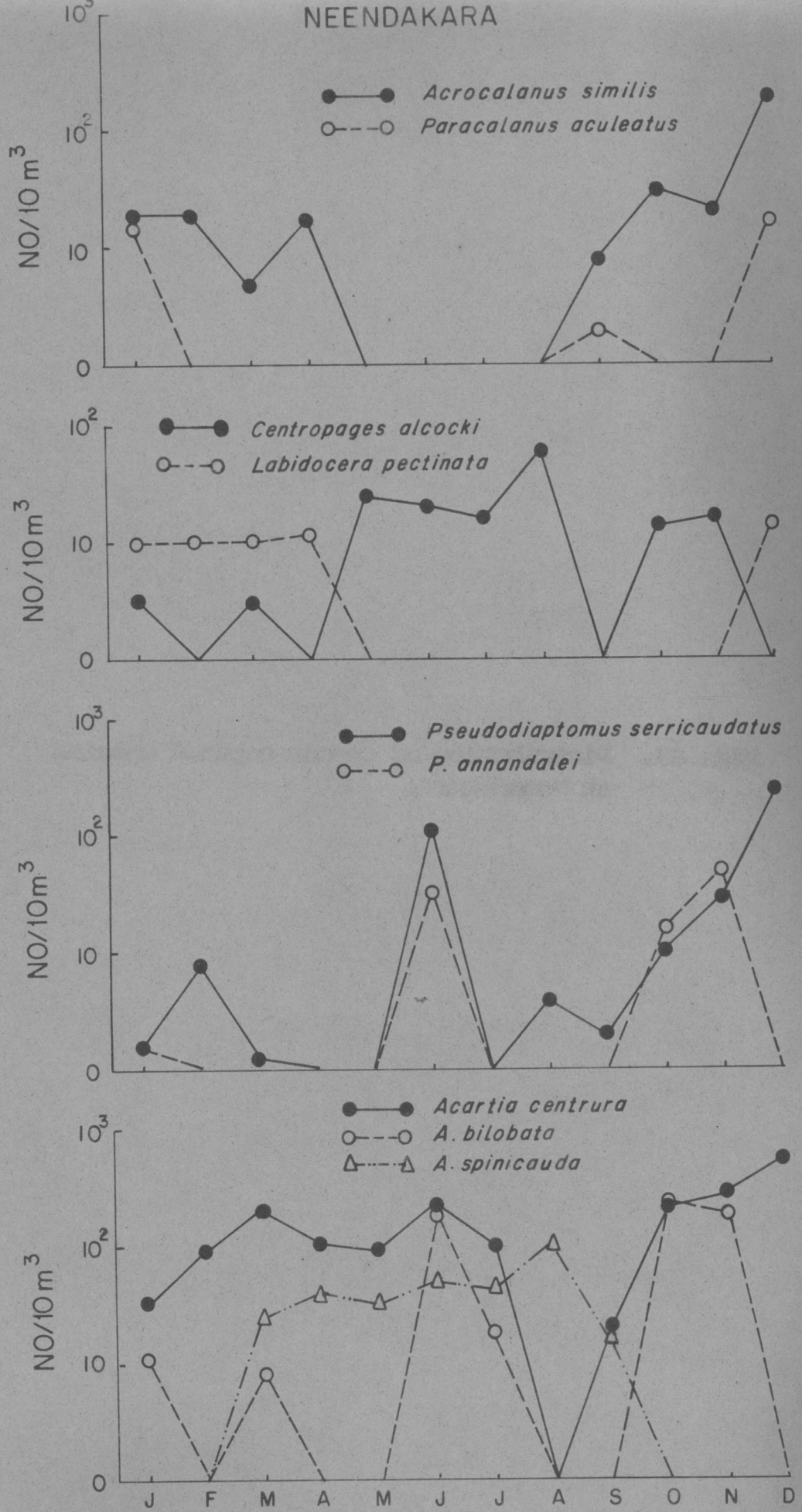


Fig. 23

Fig. 24. Distribution of common copepod species
at Kallai.

KALLAI

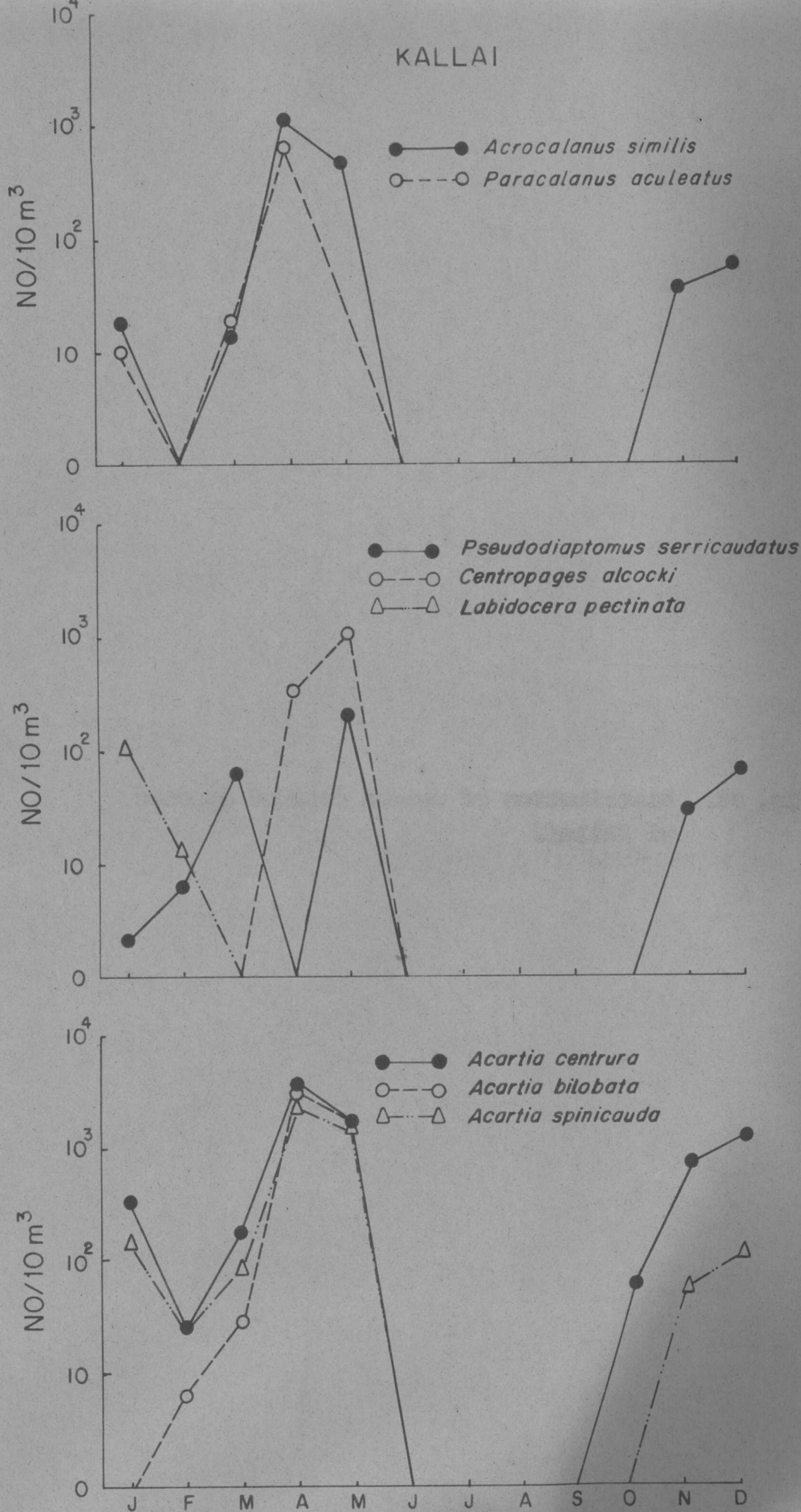


Fig. 24

BEYPORE

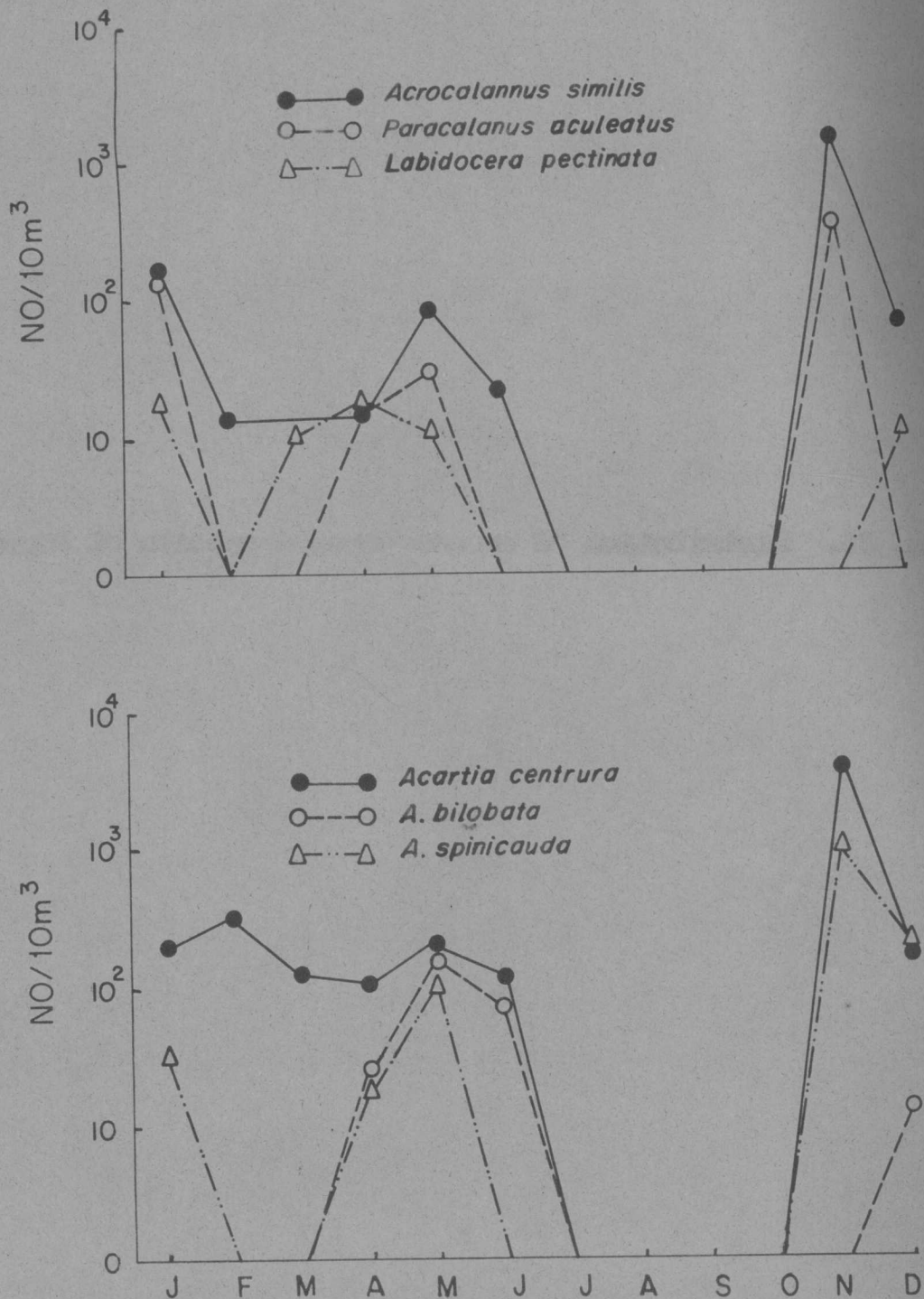


Fig. 25

**Fig. 26. Distribution of common copepod species
at Korapuzha.**

KORAPUZHA

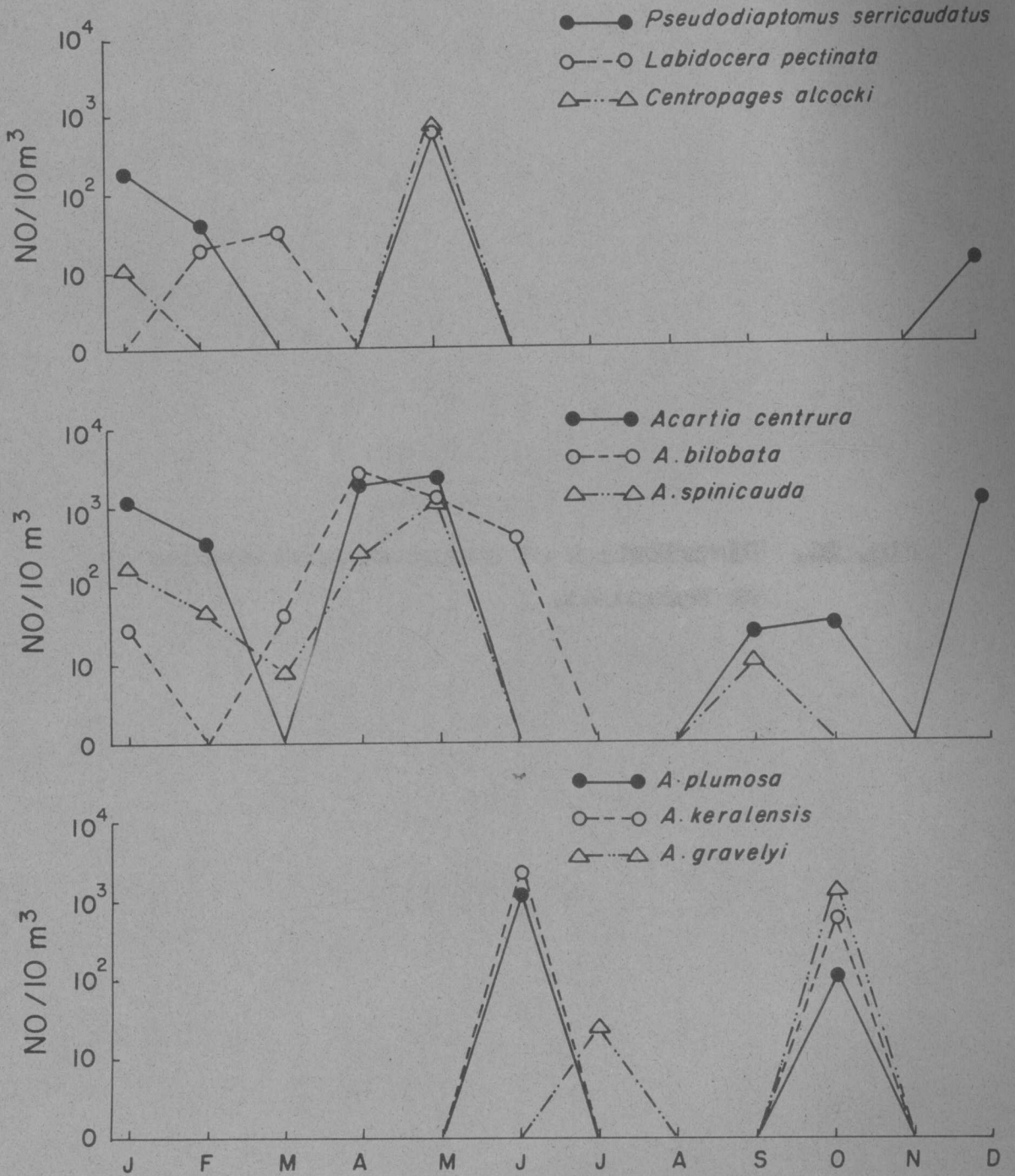


Fig. 26

**Fig. 27. Distribution of common copepod species
at Mahe and Veli.**

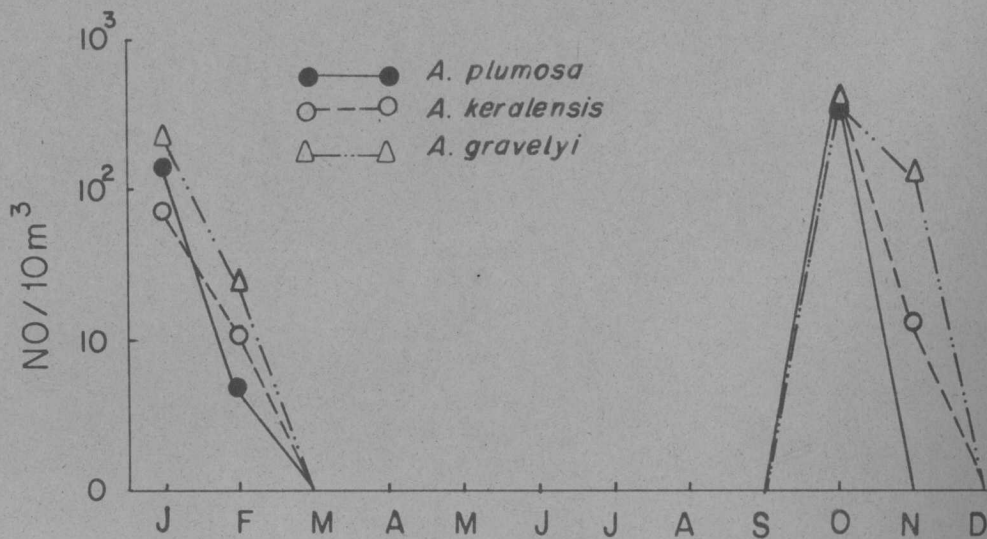
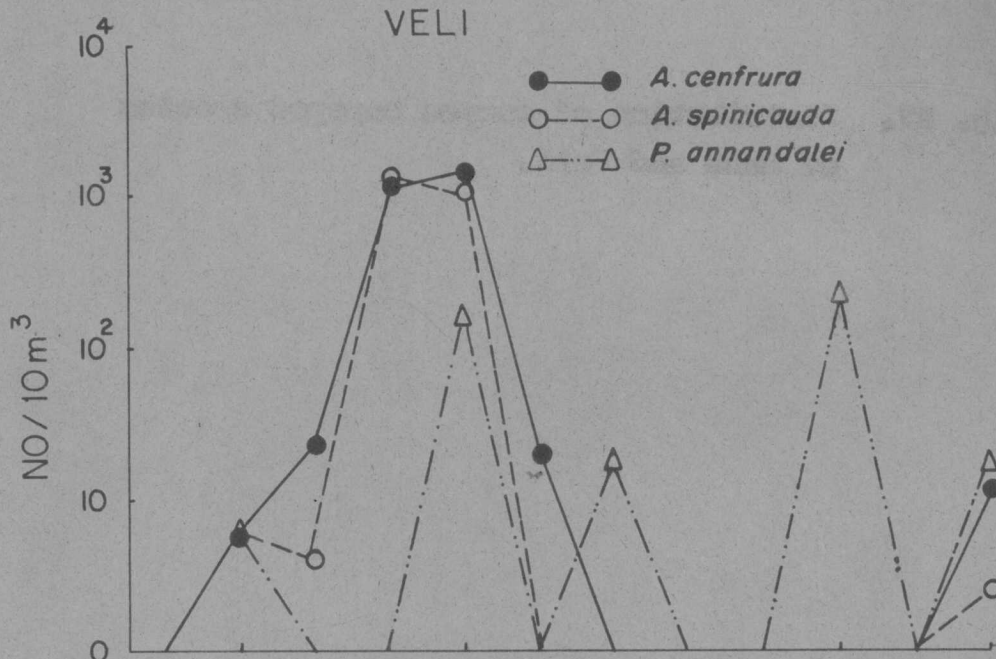
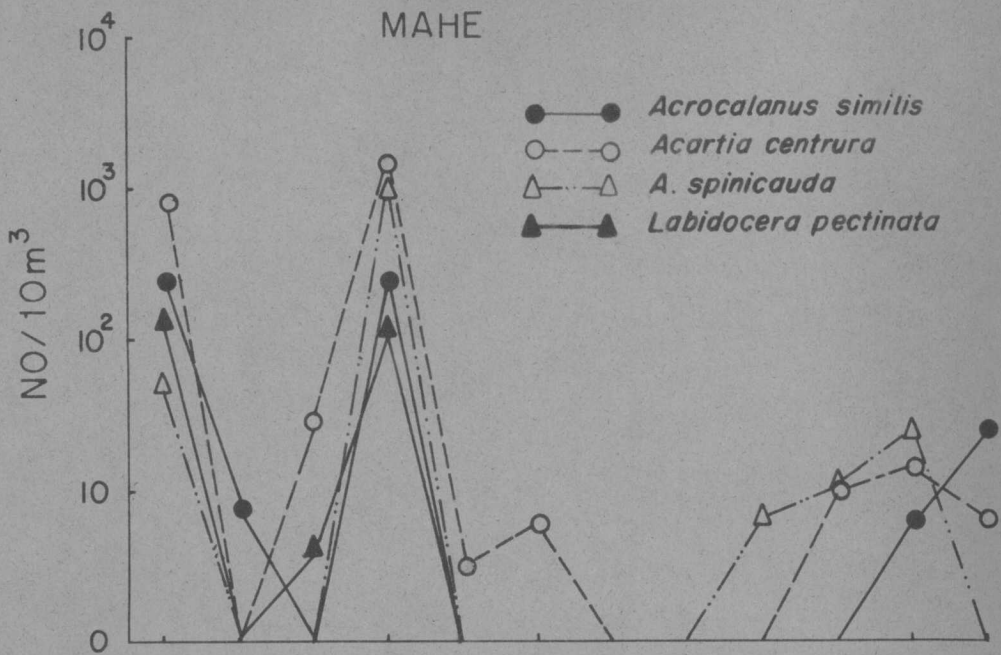


Fig. 27

**Fig. 28 A. Salinity ranges of common zooplankton species.
(Blank space shows the optimum range).**

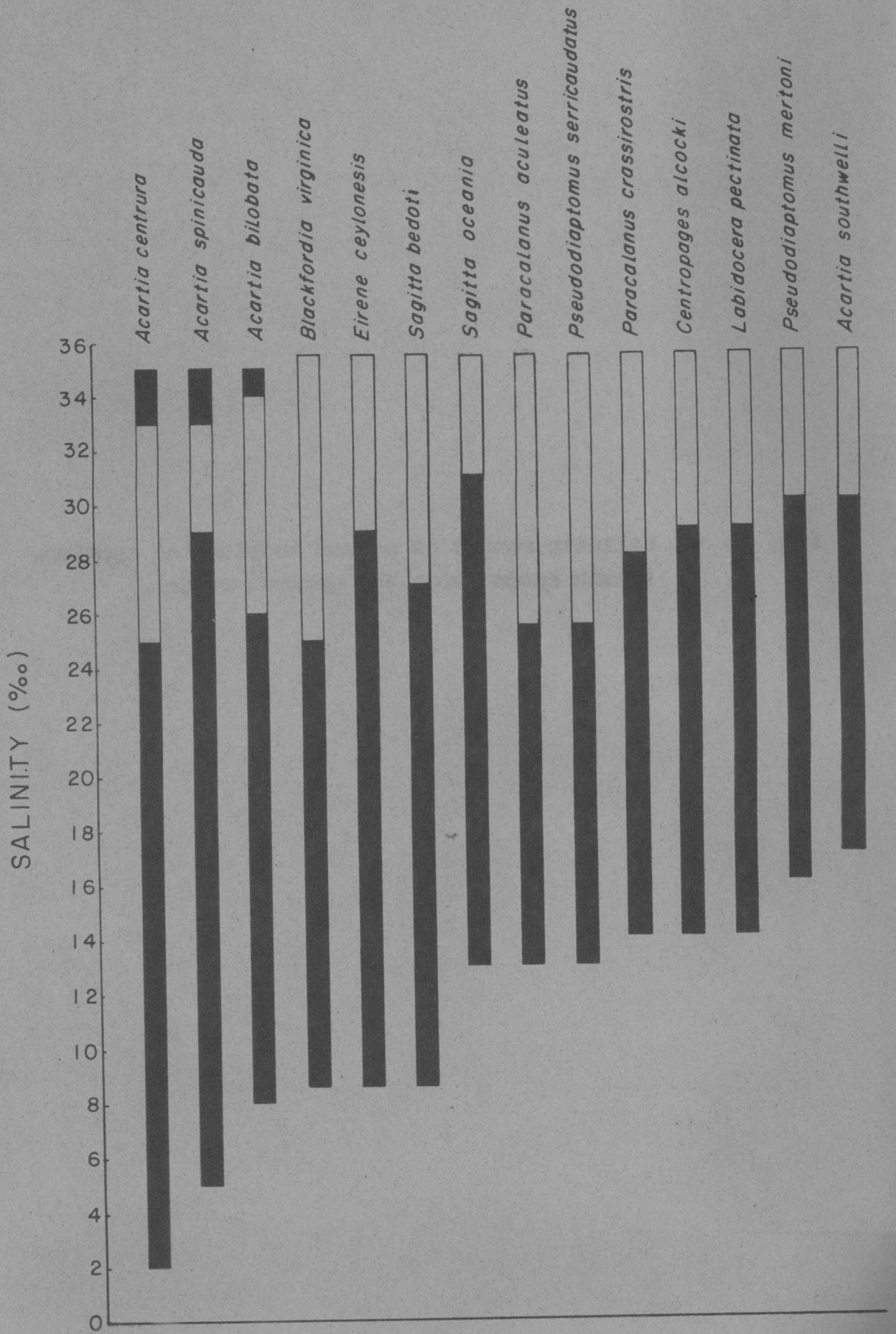


Fig. 28A

**Fig. 26 B. Salinity ranges of common zooplankton species.
(Blank space shows the optimum range).**

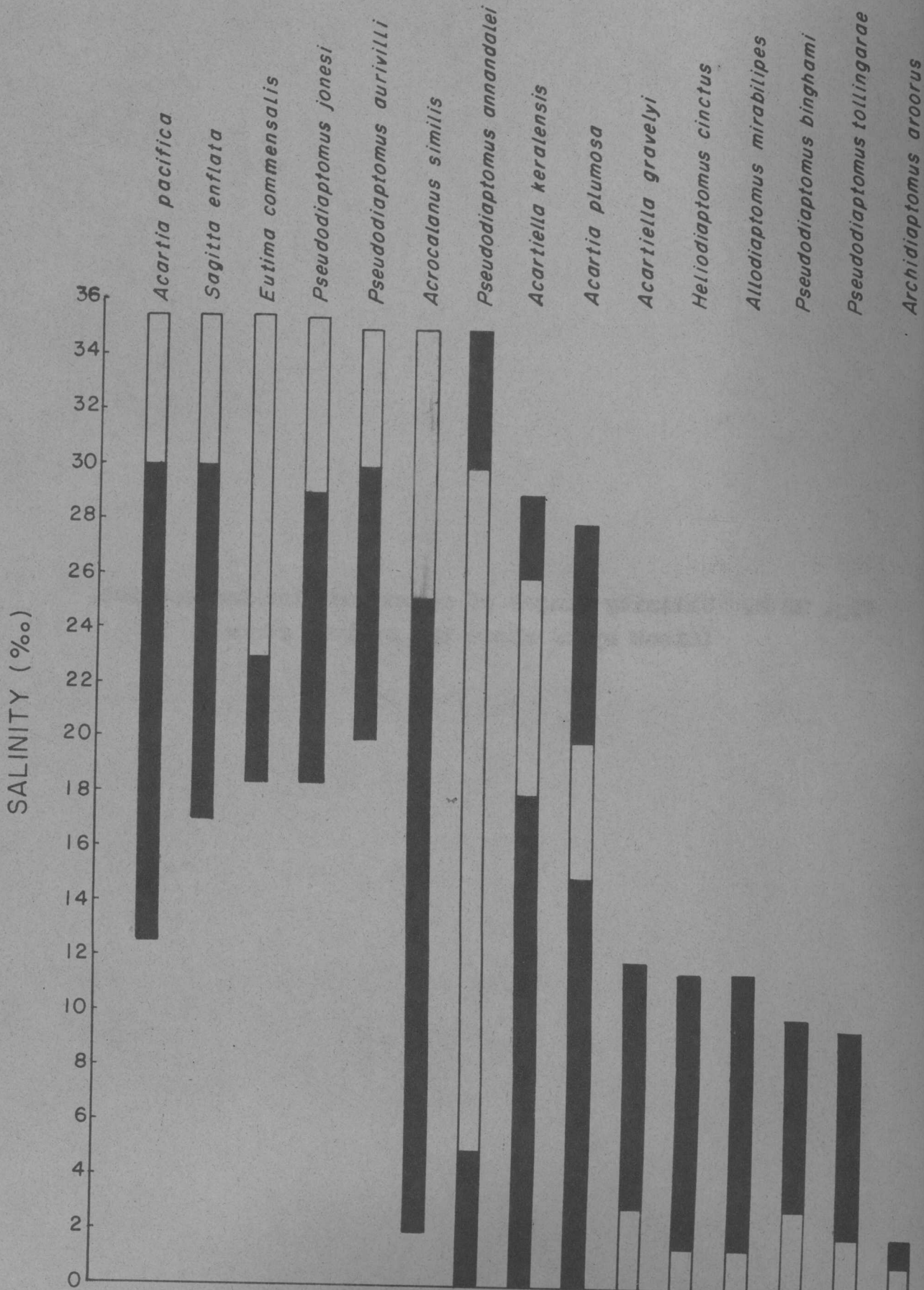


Fig. 28 B

Fig. 29 A. Curves showing gross surface primary production (adapted from Gasim et al., 1969) and zooplankton standing stock in Cochin backwaters. The values are not strictly comparable, but the intention is to show the trends in productions.

Fig. 29 B. Curves showing relation between carnivores and herbivores in Cochin backwaters. The numbers of carnivores are magnified since they never occur in numbers comparable to herbivore abundance. Here also the purpose is only to show the relationship.

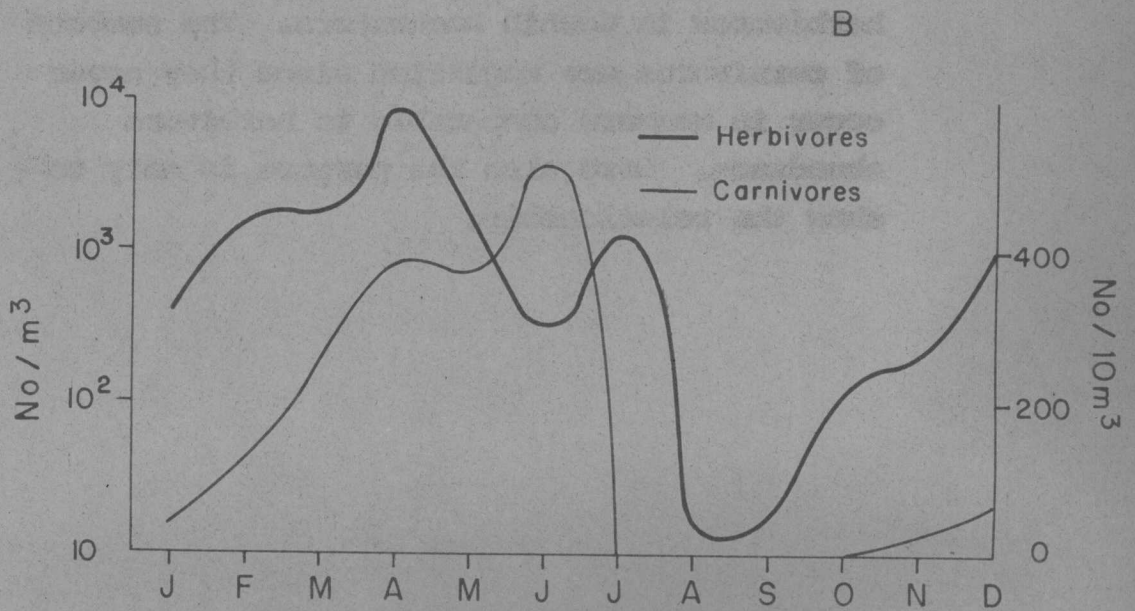
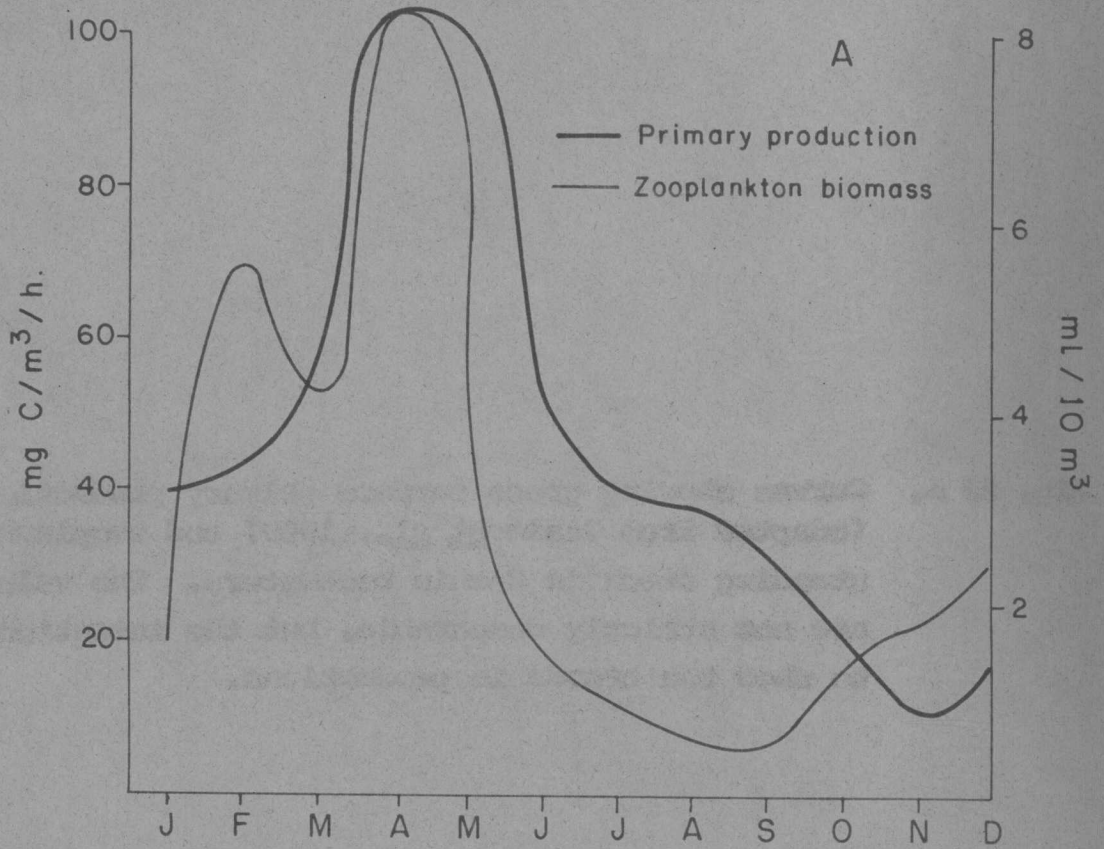


Fig. 29

Fig. 30 A,B & C. Succession of species groups/species in the eight estuaries during 1978.

- A - Acartia centrura
- B - Sagitta bedoti
- C - Caridean larvae
- D - Other Decapod larvae
- E - Eutima commensalis
- F - Fish larvae
- G - Acartiella gravelyi
- H - Corophium triaenonyx
- J - Acetes sp.
- K - Acartiella keralensis
- L - Lucifer hanseni
- M - Plurobrachia globosa
- N - Pseudodiaptomus annandalei
- O - Acartia bilobata
- P - Paracalanus aculeatus
- R - P. crassirostris
- S - Evadne tergestina
- T - Oithona nana
- U - Acartia plumosa
- V - Acartia spinicauda
- W - Pseudodiaptomus aurivillii
- X - Heliodiaptomus cinctus
- Y - Allodiaptomus mirabilis
- Z - Zoa larvae

....

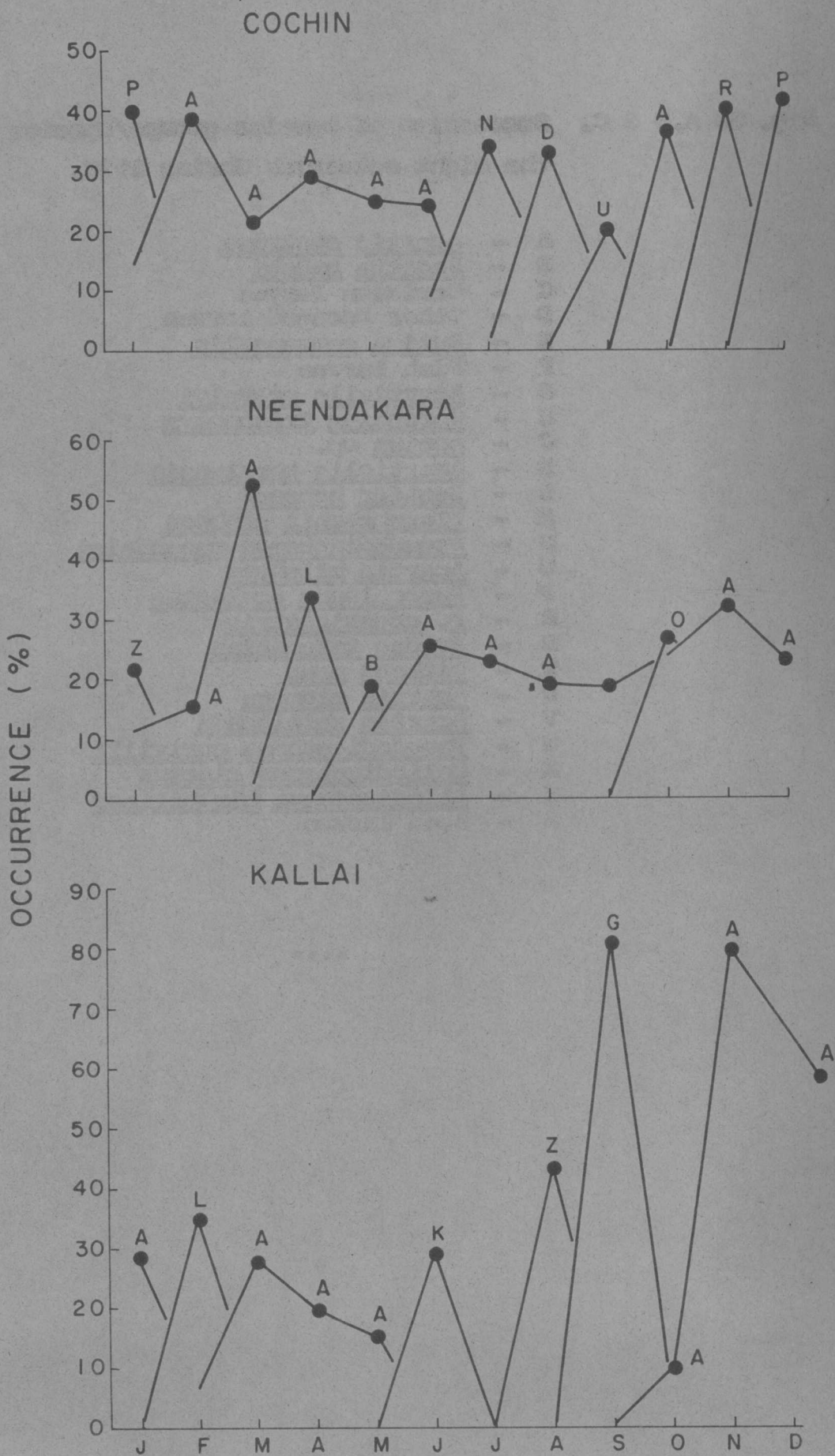


Fig. 30 A

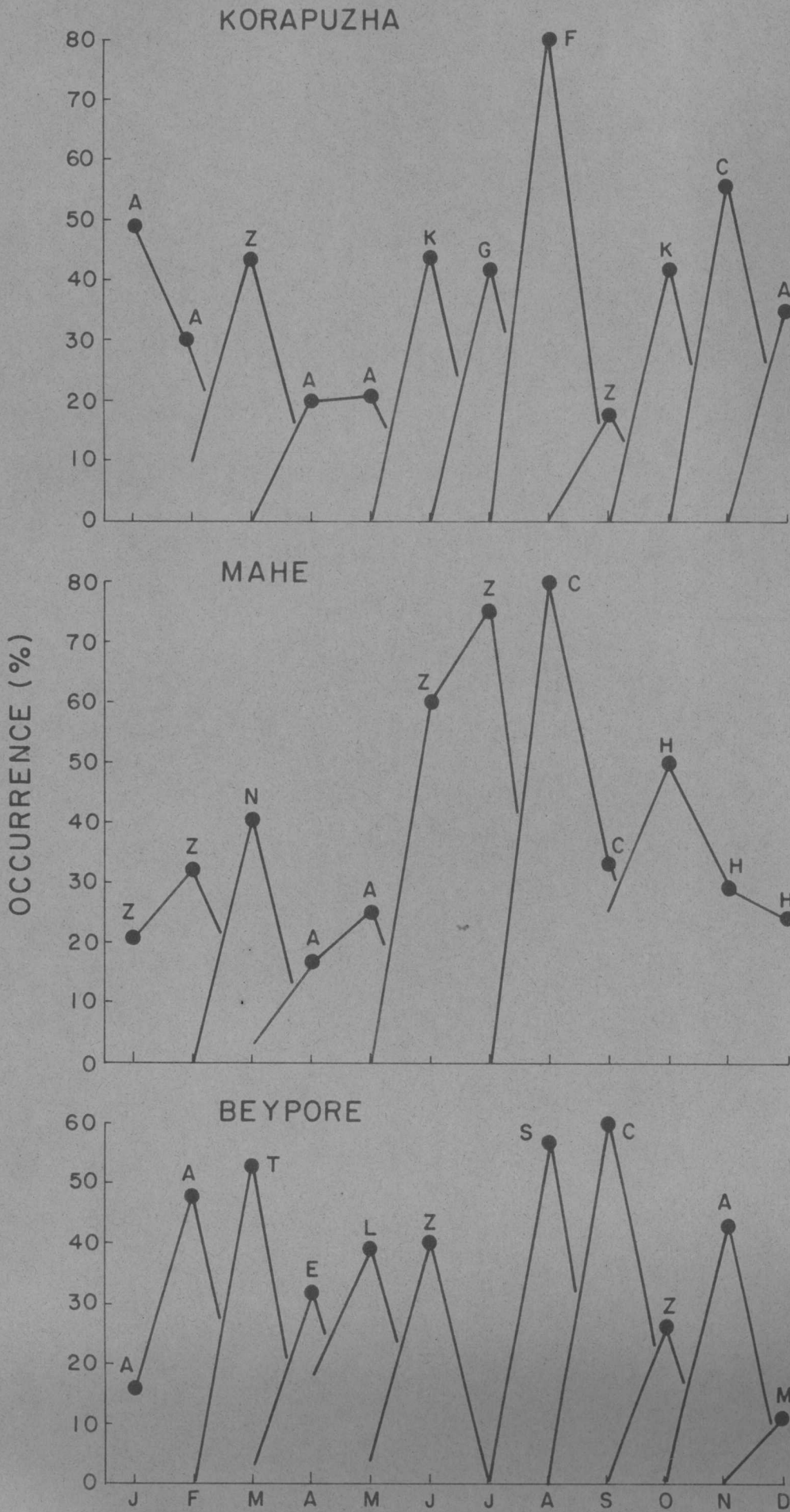


Fig. 30 B

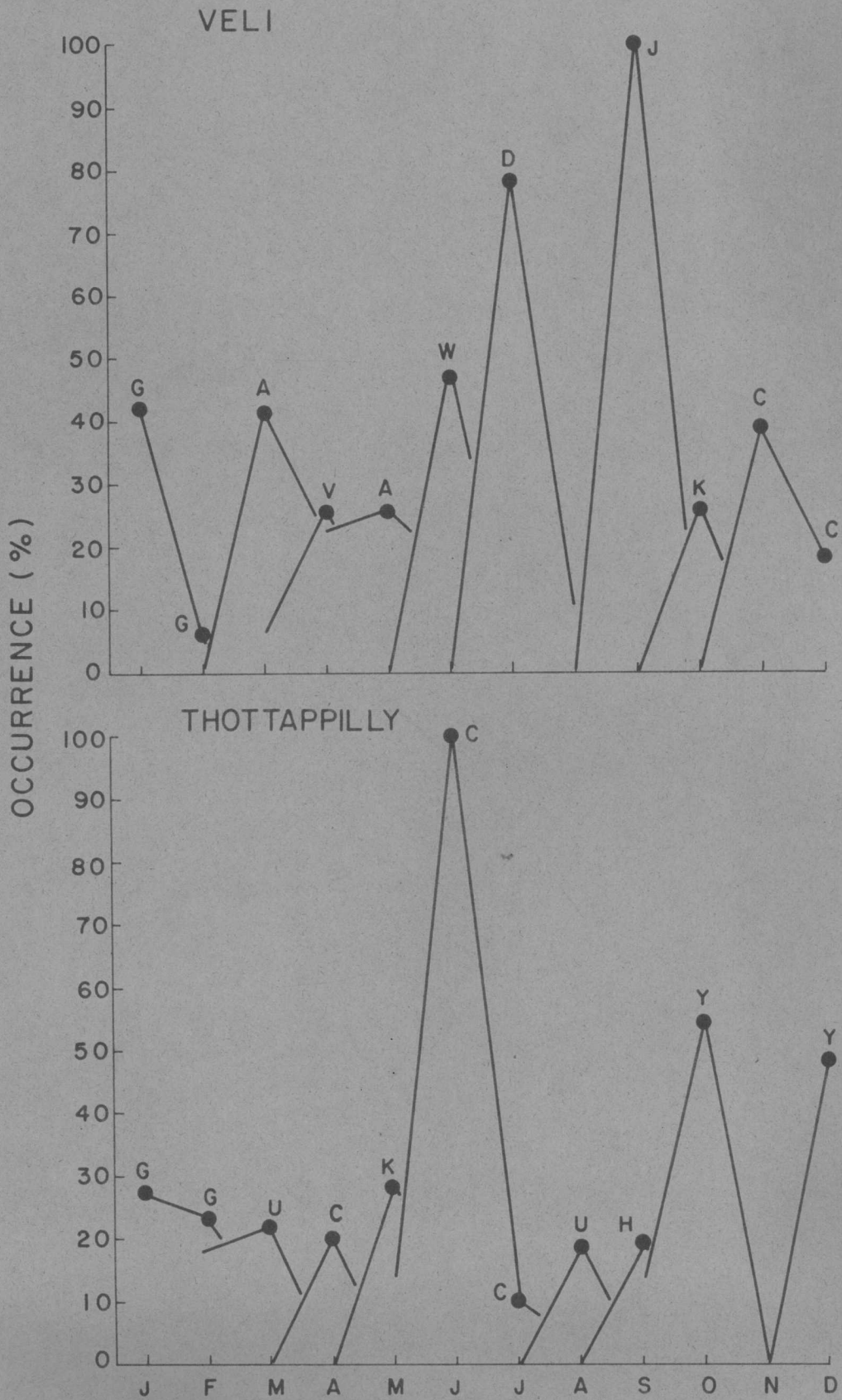


Fig. 30 C

**Fig. 31. Number of species and salinity distribution
in the Cochin backwater system.**

COCHIN BACKWATERS

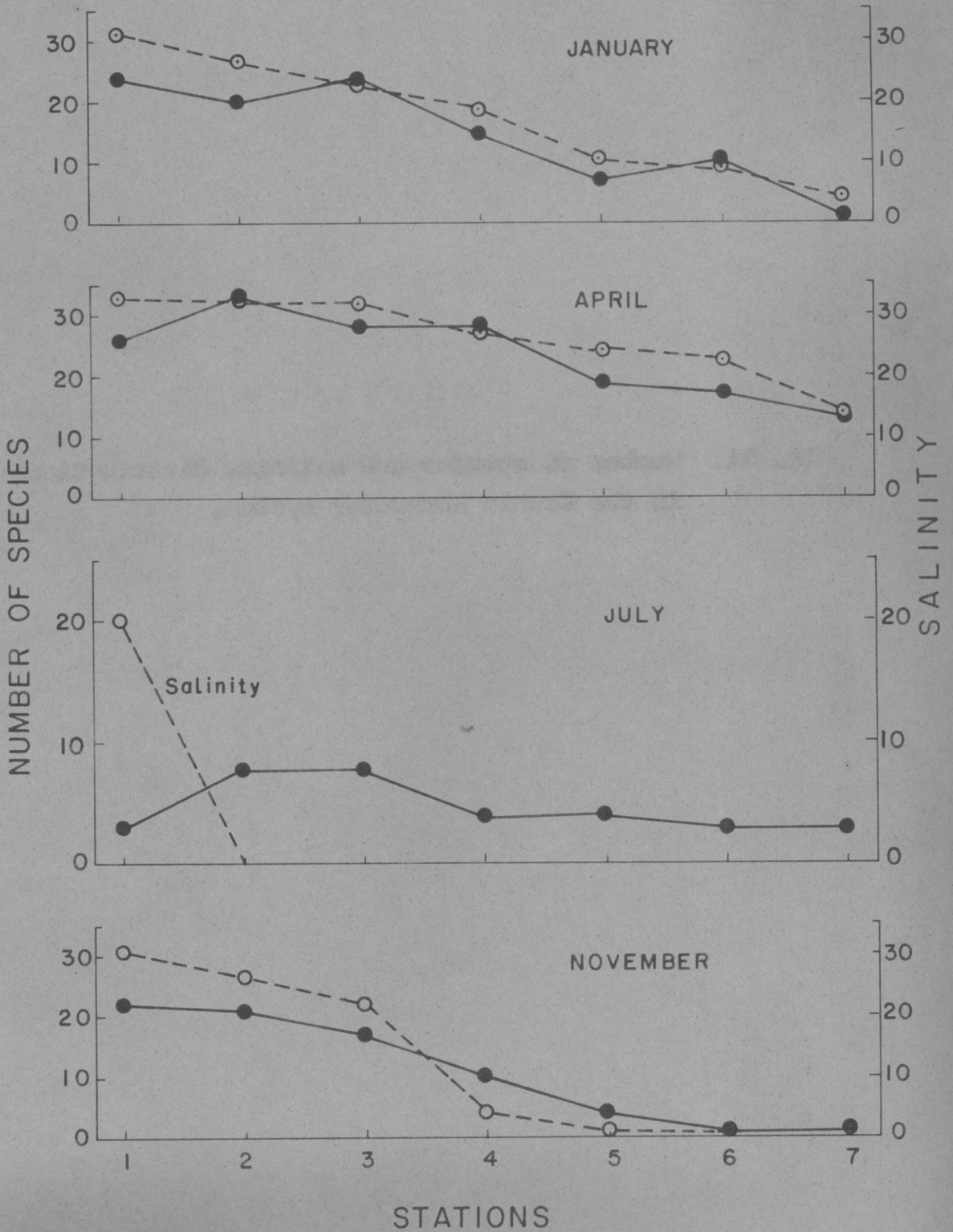


Fig. 31