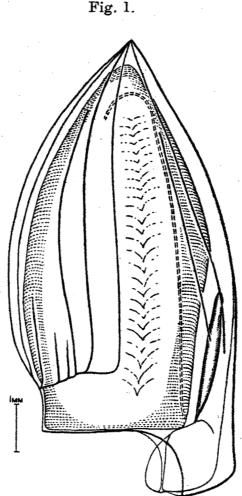
New Species of the Siphonophoran Genus Lensia Totton, 1932. By A. K. Totton, Department of Zoology, British Museum (Natural History).

LARGE numbers of specimens of small and unfamiliar Siphonophora Calycophoræ, probably all diphyids, have been picked out of catches made by 'Discovery II' in the Atlantic in the last ten years, and out of catches made by the ill-fated 'Carnegie' on her last cruise. This paper deals briefly with new species that can for convenience be grouped with Diphyes subtiloides Lens and van Riemsdijk, 1908, the genotype of Lensia Totton, 1932. It is not pretended that the seventeen species are all congeneric.

Six species of Lensia are already well known, conoidea Keferstein and Ehlers, 1860, subtilis Chun, 1886, subtilioides Lens and van Riemsdijk, 1908, fowleri Bigelow, 1911, campanella Moser, 1925, and multicristata Moser, 1925. I do not propose to mention them here. A seventh species, to which I give below a new name, was described and figured by Leloup in 1934 under the name Lensia multicristata Moser, forme grimaldii Leloup. Ten species of Lensia new to science are published here *, an eleventh

^{*} I have commemorated some of the names of H.M. Ships which took part in the famous exploits at Montevideo, at Jössing Fjord, and in the first attack on Narvik by the Second Destroyer Flotilla on April 10, 1940.

having been recorded and named by Leloup in 1933 as grimaldii since the study of this group was started. of the new species are what may be called multicristate forms. It has not been possible as yet to associate correctly the anterior and posterior nectophores of all the species, nor are the posterior nectophores dealt with in this paper.



Lensia exeter, sp. n. 'Discovery' Stn. 675, 750-500 m.

1. Lensia exeter, sp. n. (Figs. 1-3.)

Anterior nectophore:—Multistriate, five groups of three ridges and transverse oral ridge. Somatocyst long. Hydræcium deep, open on ventral side.

Localities.—' Discovery' Stations:—

Station.	Net.	Date.	Depth in m.	Specimens.
100	TYF	2. x. 26	475 (-0)	1
1554	TYFB	28. iii. 35	1500-0	1
675	TYFV	26. v. 31	750–500	· 1

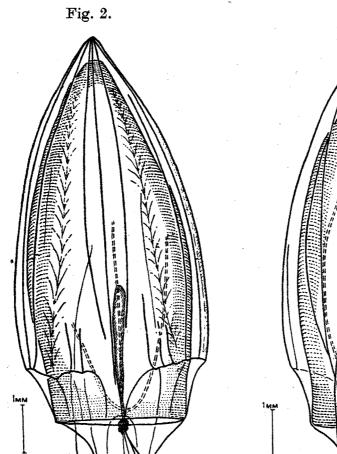


Fig. 3.

Fig. 2.—Lensia exeter, sp. n. 'Discovery' Stn. 675, 750-500 m. Dorsal view.

Fig. 3.—Lensia exeter, sp. n. 'Discovery' Stn. 675, 750-500 m. Ventral view.

2. Lensia ajax, sp. n. (Figs. 4-5.)

Anterior nectophore:—5 groups of 3 (sometimes 2) longitudinal ridges. No transverse oral ridge. One of dorsal group of 3 ridges often incomplete orally, or even

absent. A rudimentary ridge (or 2) present in the oral region between dorsal and lateral groups. Ridges of the two ventro-lateral groups irregular and often incomplete. Somatocyst short, oblique, spindle-shaped. Hydræcium not extending above level of velum, open ventrally.

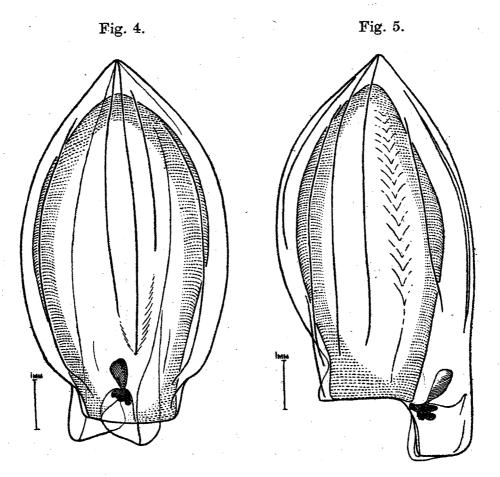


Fig. 4.—Lensia ajax, sp. n.—'Discovery' Stn. 282, 300-0 m. Dorsal view.

Fig. 5.—Lensia ajax, sp. n. 'Discovery' Stn. 282, 300-0 m.

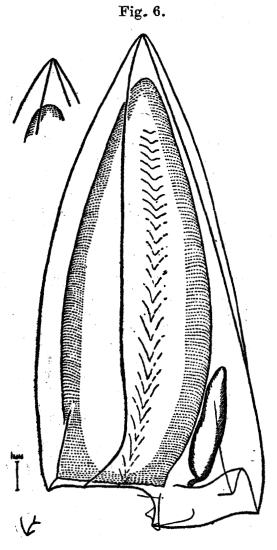
Localities.—' Discovery 'Stations:—

Station.	Net.	Date.	Depth in m.	Specimens.
282	TYF	12. viii. 27	300-0	35
100	TYF	2. x. 21	475 (-0)	1

The specimen from St. 100 has four ridges in each group beside the two rudimentary orals on each side. It appears to be a variety of L. ajax.

3. Lensia achilles, sp. n. (Figs. 6-7.)

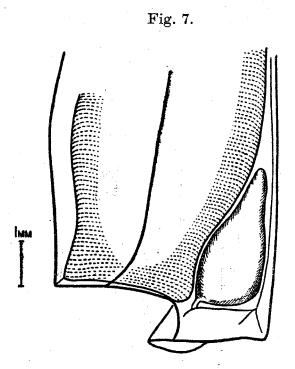
Anterior nectophore:—Five ridges, the dorso-laterals bending dorsad orally. Vault of hydrocium on a level with velum, a notch present at the baso-ventral edge. Somatocyst broadly spindle-shaped. A deep-water species, coloured deep or bright orange in life.



Lensia achilles, sp. n. 'Discovery' Stn. 85, 2000 (-0) m. Holotype.

Localities.—This species was found at three 'Discovery II' stations off S.W. Africa:—Stn. 85, 33° 07′ 40″ S., 4° 30′ 20″ E., in an open haul from 2000 metres, 2 ant. nects. The salinity at 2000 m. was 34.88 per mille, and the temperature 2.74° C., but the specimens were not

taken in a closing net. St. 100 B, closing net from 900-1000 m., 3-4. x. 1926, 2 ant. nects. St. 100 C, 33° 20′ to 33° 46′ S., 15° 18′ to 15° 08′ E., in a closing net from 2500-2000 m., 5 ant. nects. No hydrological observations are reported for that station. The salinity at that depth at a station made 20 miles away in May, 1939, was 34.88 per mille, and the temperature 2.48°-2.73° C. St. 89, 34° 05′ 15″ S., 16° 00′ 45″ E., in an open haul from 1000 m. to surface. At 1000 m. the salinity was 34.38 per mille, and the temperature 3.52° C.



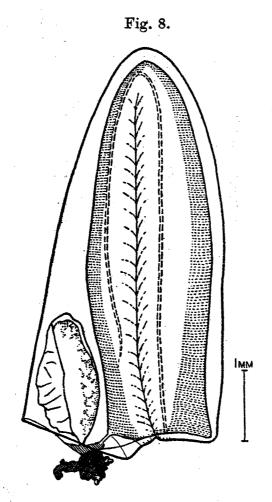
Lensia achilles, sp. n. 'Discovery' Stn. 100 B, 900-1000 m. Lateral view of base of nectophore.

Another poor specimen was taken at St. 1571, off E. Africa, between Durban and the southern point of Madagascar at a depth of 1400–1000 m. No data about temperature or salinity are available.

4. Lensia cossack, sp. n. (Figs. 8-9.)

Anterior nectophore:—No crests on longitudinal ridges, except for a slight dorsal one. Ventral ridges vestigial. Basal facet horse-shoe shaped, with slight ventral notch.

No hydræcium. Mouth-plates very short. Somatocyst ovoid, oblique, one-third the length of the nectophore when well preserved. A large specimen, 11.6 mm. in length, from St. 672 is the holotype.



Lensia cossack, sp. n. 'Carnegie Cruise' VII, Stn. 103.

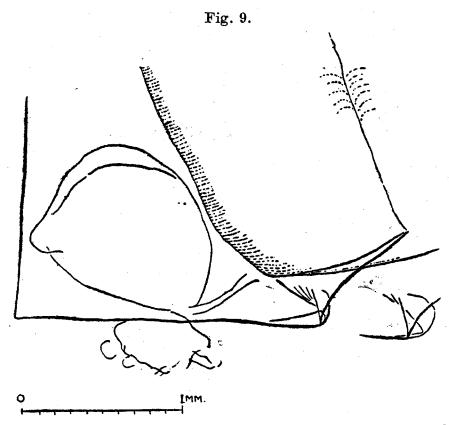
Localities.—Specimens were taken, never more than in twos and threes, by 'Carnegie' at the following twenty-two stations:—

St. 104: S 622: B.6856
St. 105 : S 628 : B.6886
St. 105 : S 629 : B.6898
St. 109: S 655: B.7915
St. 109: S 656: B.7927
St. 111: S 670: B.7983
St. 113: S 682: B.8044
St. 137: S 837: B.5498
St. 138: S 844: B.5525
St. 139: S 850: B.5570
St. 155: S 966: B.5871

'Discovery' Stations:—

Station.	Net.	Date.	Depth in m.	Specimens.
100 C	TYF	3, x. 26	260-310	1
282	\mathbf{TYF}	12. viii. 27	300-0	6
701	TYFB	16. x. 31	242-0	6
708	TYFB	23. x. 31	208-0	3
709	TYFB	24. x. 31	216-0	4.
711	TYFB	27. x. 31	290-0	1
713	TYFB	29. x. 31	200-0	. 1
968	100B	19. ix. 32	86-0	5
1371	N100B	19. v. 35	146-0	4 -
1372	N100B	20. v. 34	102-0	2
1567	TYFB	10. iv. 35	1350-0	1
1571	TYFB	21. iv.	500-0	1
672	TYFB	23. iv.	200-0	1
673	TYFB	25. iv.	340-0	1
680	TYFB	30. iv	260-0	. 8
681	\mathbf{TYFV}	1. v.	250-0	
681	TYFV	1. v.	500-250	4 1
682	TYFB	1. v	375-0	3
684	TYFV	3. v. 31	250-0	4
693	\mathbf{TYFV}	10. v. 31	250-0	2
694	TYFB	10. v. 31	210-0	1
698	TYFB	13. v. 31	470-0	1
968	N100B	19. ix. 32	250-106	1

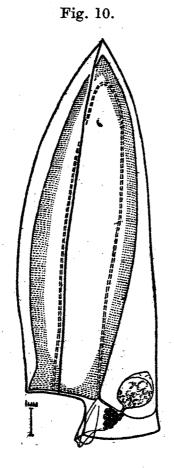
Stations 672-698 were all north of the subtropical convergence, but no attempt has been made yet to analyse the distribution of catches.



Lensia cossack, sp. n. 'Discovery' Stn. 282, 300-0 m. Lateral view of base of nectophore.

5. Lensia hardy, sp. n. (Fig. 10.)

Anterior nectophore:—Five complete longitudinal ridges. Hydræcium more extensive on dorsal side than on ventral. Here it does not reach the level of the velum, except where its anterior wall slopes off into the ventral facet. Somatocyst shortly stalked, globular, tending to be bifid at apex.



Lensia hardy, sp. n. 'Discovery' Stn. 672, 200-0 m.

The species differs from L. fowleri in: (1) having mouthplates more than half the diameter of mouth in length; (2) having an extensive notch in the baso-ventral ridge; (3) somatocyst not reaching base; (4) having a bigger hydrecial cavity, which extends below the base of the somatocyst.

Localities.—'Carnegie,' St. 25: sample 162: bottle 4564; 1 specimen.

'Discovery' Stns.—224 specimens were taken as follows:—

Station.	Net.	Date.	Depth in m.	Specimens.
83	N200H	21. vi. 26	650 (-0)	. 1
85	N450H	23. vi. 26	2000 (-0)	2 7
89	TYF	28. vi. 26	1000 (-0)	7
100 C	TYF	3. x. 26	260-310	18
100 D	TYF	2. x. 26	625-675	3
101	N450	15. x. 26	350-400 (-0)	1
102	N70V	28. x. 26	100-50	3
$102.\ldots$	N70V	28. x. 26	250-100	. 4
247	TYF	13. vi. 27	110-115 (-0)	2
$256.\ldots$	TYF	23. vi. 27	850-1100 (-0)	1
$266.\ldots$	\mathbf{TYF}	21. vii. 27	200 (-0)	ł 6
450	N100B	12. x. 30	150-0	2
672	\mathbf{TYFB}	23. iv. 31	200-0	3
714	TYFB	30. x. 31	246-0	69
717	TYFB	2. xi. 31	212-0	17
845	N100B	9. iv. 32	268-?	2
847	N100B	11. iv. 32	270-196	3
1370	N100B	18. v. 34	113-0	21
1749	TYFB	24. iv. 36	450-0	4
$69\ldots\ldots$	N70H	25. v. 26	45(-0)	6
670	TYFB	21. iv. 31	470-0	1
671	TYFV	22. iv. 31	150-0	1
671	TYFV	22. iv. 31	1000-0	1
671	$\mathbf{T}\mathbf{Y}\mathbf{F}\mathbf{V}$	22. iv. 31	500-250	1
$671\ldots\ldots$	TYFB	23. iv. 31	360-0	1
716	TYFB	1. xi. 31	212-0	15
839	$100\mathbf{B}$	29. ii. 32	132-0	3
401	\mathbf{TYF}	22. v. 30	1250-1300	14
453	N100B	16/17. x. 30	164-0	2
		·		

The surface water is subtropical at all of these stations except 69, 670, 671, 716, and 839, which are at the northern extremity of the subantarctic zone. At Station 401 the water at 1200–1300 m. would probably be Antarctic intermediate water. Station 453 is definitely Antarctic.

6. Lensia hunter, sp. n. (Figs. 11-12.)

Anterior nectophore:—Seven longitudinal ridges. The dorso-laterals do not reach the velar edge, laterals do not reach the apex but do reach base. The hydræcium extends forward to and, on the ventral side, beyond the level of the velum, its anterior wall sloping off gradually into the ventral facet. The somatocyst is generally bilobed and asymmetrical, the left side longer than the right, ovoid and stalked. Pedicular canal horizontal. Mouth-plates without hook.

Localities.—'Carnegie,' Cruise VII, St. 64, 31° 54' S., 88° 17' W., 1000 m., two ant. nectophores in poor condition.

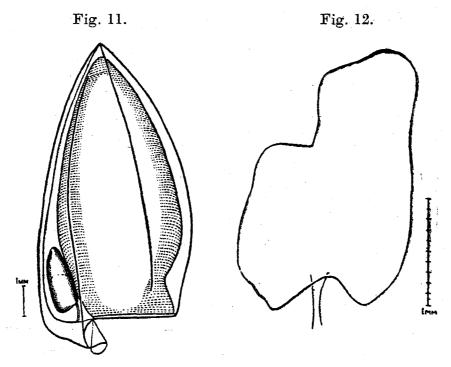


Fig. 11.—Lensia hunter, sp. n. 'Discovery' Stn. 1571, 1400-1000 m. Fig. 12.—Lensia hunter, sp. n. 'Discovery' Stn. 1571, 1400-1000 m. Ventral view of somatocyst.

'Discovery' Stations.—

Station.	Net.	Date.	Depth in m.	Specimens.
78	TYF	12. vi. 26	1000 (-0)	24
87	TYF	25. vi. 26	1000 (-0)	24
89	TYF	28. vi. 26	1000 (-0)	7
100	TYF	2. x. 26	475 (-0)	2
$100~\mathrm{A}\ldots$	TYF	2. x. 26	625-675	19
$100~\mathrm{B}\dots$	TYF	3/4. x. 26	900-1000	13
$100~\mathrm{B}\dots$	TYF	3/4. x. 26	300-1000	7
100 C	TYF	4. x. 26	2500 (-0)	2
100 C	TYF	4. x. 26	2500-2000	7
$675.\ldots.$	TYFV	26. iv. 31	750-500	1
675	TYFV	26. iv. 31	1000-750	11
1569	TYFB	12. iv. 35	1200-500	7
1571	TYFB	21. iv. 35	1400-1000	3

7. Lensia hotspur, sp. n. (Figs. 13-16.)

Anterior nectophore:—Nearly twice the size of *subtiloides*, the length being about 8 mm. Five complete longitudinal ridges. The somatocyst is oblique, ovate and

shortly stalked. The hydrecium is very shallow, lying entirely below the level of the velum. The inner edges of the mouth-plate do not project below the outer ones. The pedicular canal is descending. A species allied to L conoidea K. & E.

Localities.—'Carnegie' Stations:—

Sample.	Bottle.	Specimens.
- 205	4792	5
214	4871	1
237	7226	2
243	7273	1
464	6135	1
	- 205 214 237 243	- 205 4792 214 4871 237 7226 243 7273

'Discovery' Stations:-

Station.	Net.	Date.	Depth in m.	Specimens.
89	TYF	28. vi. 26	1000 (-0)	9
100	TYF	2. x. 26	475 (-0)	5 dozen
100 A	TYF	2. x. 26	625-675	8
100 B	TYF	30. ix-1. x. 26	0-5	8 dozen
100 C	TYF	1. x. 26	0-5	3
100 C	TYF	3. x. 26	260-310	7
100 C	TYF	4. x. 26	2500-2000	4
102	N70V	28. x. 26	50-0	9
102	N70V	28. x. 26	100-50	2
282	TYF	12. viii. 27	300-0	3 dozen
446	N100B	9. x. 30	106-0	4
448	N100B	10. x. 30	161-0	1. :
671	TYFV	27. iv. 31	2000-0	2
673	TYFB	25. iv. 31	340-0	$\frac{1}{2}$
677	TYFV	27. iv. 31	250-0	
679	TYFV	29. iv. 31	250-0	2
682	TYFB	1. v. 31	375-0	3 1
687	TYFV	5. v. 31	250-0	
690	TYFV	7. v. 31	250-0	7
691	TYFB	8. v. 31	4000	1
693	TYFV	10. v. 31	250-0	1 .
694	TYFB	10. v. 31	210-0	1
698	TYFB	13. v. 31	470-0	3
699	TYFV	14. v. 31	250-0	1 dozen
702	TYFB	17. x. 30	236-0	19
708	TYFB	23. x. 31	208-0	3
709	TYFB	24. x. 31	216-0	2
842	N100B	3. iii. 32	155-0	3
967	100B	19. ix. 32	306-145	1
1371	N100B	19. v. 31	146-0	1

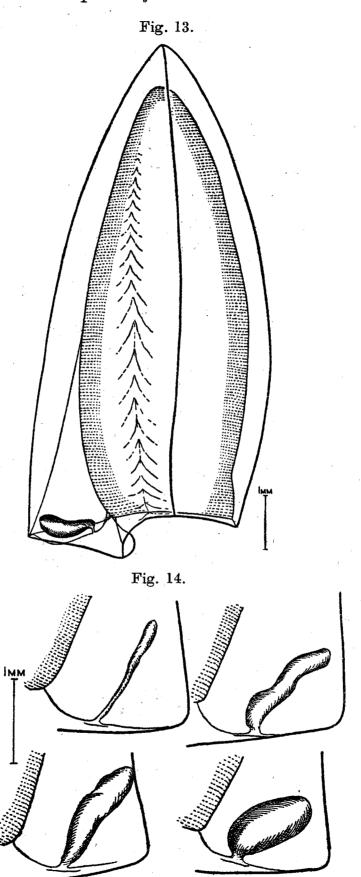


Fig. 13.—Lensia hotspur, sp. n. 'Carnegie' Cruise VII, Stn. 36. Fig. 14.—Lensia hotspur, sp. n. 'Discovery' Stn. 100, 475 (-0) m. Lateral view of somatocysts.

Fig. 15.

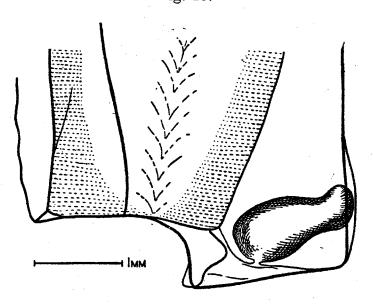


Fig. 16.

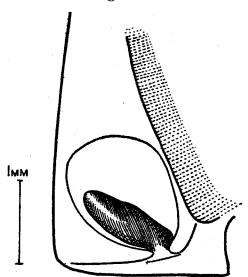


Fig. 15.—Lensia hotspur, sp. n. 'Discovery' Stn. 89, 1000 (-0) m. Lateral view of base of nectophore.

Fig. 16.—Lensia hotspur, sp. n. 'Discovery' Stn. 100 A, 0-5 m. Lateral view, showing former extent of somatocyst.

8. Lensia havock, sp. n. (Figs. 17-19.)

Anterior nectophore:—Seven complete ridges, laterals bending ventrad below to run onto mouth-plate. Hydrecium extends up above level of velum. Ventral wall with pronounced slit extending up to upper limit of hydrecium. Somatocyst spindle-shaped.

Two specimens taken by Dr. Beebe off Bermuda in 1931 were identified by me as belonging to a new species with seven ridges. In the paper which Beebe published under my name he wrongly called this species multi-cristata Moser, 1925, probably because it had seven ridges.

Localities.—Third Bermuda Oceanographic Expedition:—

Catalogue no.	Net.	Date.	Depth in m.	Specimens.
311780	1258	17. viii. 31	1646	1
311415	1195	3. ix. 31	1463	1

Further details will be found in 'Zoologica,' N.Y., xiii. nos. 1-3.

'Discovery' Stations:-

Station.	Net.	Date.	Depth in m.	Specimens.
Doubloit.		200.		~Pootation.
71	TYF	30. v. 26	2000 (-0)	1
78	TYF	12. vi. 26	1000 (-0)	2
85	N450H	23. vi. 26	2000 (-0)	1
89	TYF	28. vi. 26	1000-0	5
100 A	TYF	2. x. 26	625-675	3
100B	TYF	3/4. x. 26	900-1000	8
100 C	TYF	4. x. 26	2500 (-0)	2
100 C		4. x. 26	2500-2000	4
401		22. v. 30	1250-1300	1
661	TYFV	2, iv. 31	1000-750	1
661	TYFV	2. iv. 31	3000-2000	3
666	TYFV	17. iv. 31	2000-1500	1
671	1	21. iv. 31	1500-1000	2
1571	1	21. iv. 35	1400-1000	2
1917		3. xii. 36	1400-1000	1

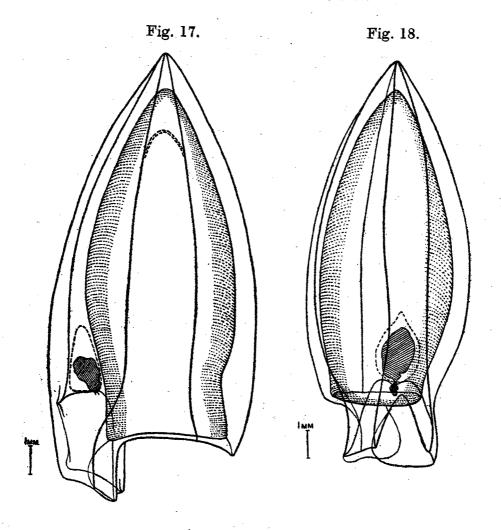


Fig. 19.

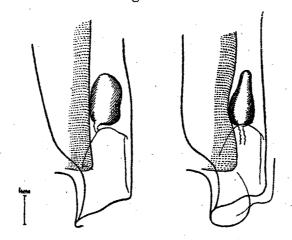
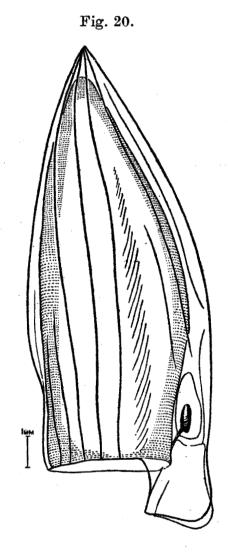


Fig. 17.—Lensia havock, sp. n. 'Discovery 'Stn. 1917, 1400-1000 m. Fig. 18.—Lensia havock, sp. n. 'Discovery 'Stn. 100 C, 2500-0 m. Ventral view.

Fig. 19.—Lensia havock, sp. n. 'Discovery' Stn. 100 B, 900-1000 m. Lateral view of somatocysts.

9. Lensia hostile, sp. n. (Figs. 20-22.)

Anterior nectophore:—Large, 15.5 mm. overall. Hydræcium deep, an open slit on ventral side. Somatocyst heart-shaped, apex uppermost. Most of ridges uninterrupted from apex to oral edge, some incomplete, and only seen at oral end and in mid-region.



Lensia hostile, sp. n. 'Discovery' Stn. 1743, 2100-1150 m.

A dorsal group of three or four ridges cut off from oral edge by two converging grooves, two dorso-lateral groups of 3 or 4, and two ventro-lateral groups of 3 or 4.

Localities.—'Discovery' Stations:—

Station.	Net.	Date.	Depth in m.	Specimens.
89	TYF	28. vi. 26	1000 (-0)	· I
1571	TYFB	21. iv. 35	1400-1000	2
1739	TYFB	17. iv. 36	3000-2000 (-0)	1
1743	N450B	20. iv. 36	2100–1150	1

Fig. 21.

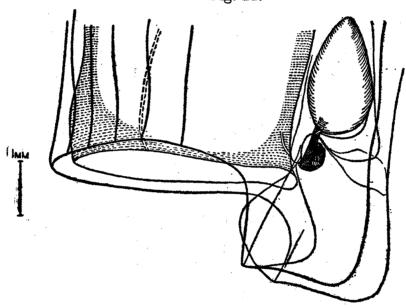


Fig. 22.

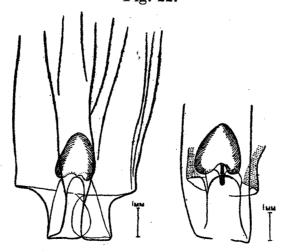


Fig. 21.—Lensia hostile, sp. n. 'Discovery' Stn. 1743, 2100-1150 m.

Base of nectophore.

Fig. 22.—Lensia hostile, sp. n. 'Discovery' Stn. 1571, 1400-1000 m.

Ventral views of base of nectophore and of hydræcium and somatocyst.

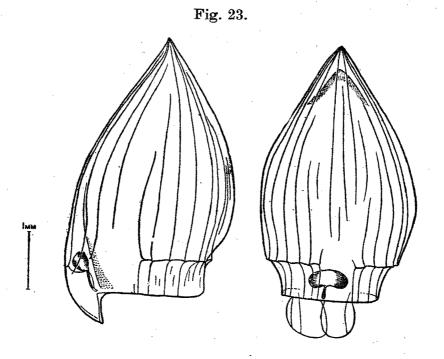
10. Lensia lelouveteau, sp. n. (Figs. 23–25.)

Syn.: Lensia multicristata (Moser) forme grimaldii Leloup, 1934 (part), non L. grimaldii Leloup, 1933.

L. leloweteau is a small multistriate species. The ridges of the anterior nectophore are in five groups, three or more dorsal, seven or eight lateral and four to six ventro-lateral. Velar ridge present. The somatocyst is squat and kidney-shaped. Ventro-basal margins of bell well rounded.

The seven specimens on which I base the species L. lelouveteau are:—

'Discovery' Station 100, net TYF, fished open from 475 metres to the surface, 1 anterior nectophore. the



Lensia lelouveteau, sp. n. 'Meteor' Stn. 246, 1000-800 m.

holotype (7.8 mm.). Station 282, 300 m. to surface (open), 1 ant. nect.

'Meteor' Stn. 208, 100-50 m., 1 ant. nect. (3·1 mm.). Stn. 246, 1000-220 m., 1 ant. nect. (5·2 mm.). Stn. 277, 600-400 m., 3 ant. nect., one figured by Leloup, 1934 (5·7 mm.).

There has arisen some confusion connected with the name grimaldii. L. grimaldii is a good species which

I have redescribed below. The 'Meteor' material labelled L. multicristata forme grimaldii is contained in fourteen small tubes labelled by Leloup. I studied

Fig. 24.

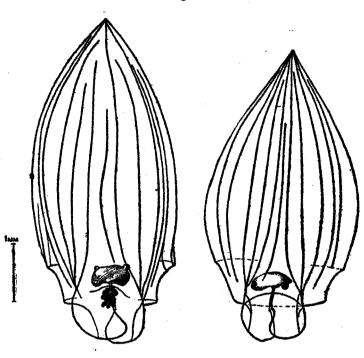


Fig. 25.

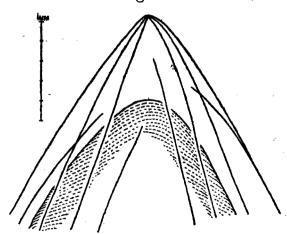


Fig. 24.—Lensia lelouveteau, sp. n. Left, 'Meteor' Stn. 277. Right, 'Meteor' Stn. 246, 1000-800 m. Ventral views.

Fig. 25.—Lensia lelouveteau, sp. n. 'Meteor' Stn. 246, 1000-800 m. Lateral view of apical part of nectophore.

these on Jan. 9, 1940. Four contained specimens that had dried up at some time and are no longer identifiable. None of the others contained specimens of either *L. grimaldii* Leloup, 1933, or *L. multicristata* Moser, 1925. Two

contained specimens of L. ajax, one a specimen of L. exeter, one a specimen of L. hostile, two specimens of L. lelouveteau; and another, which at one time contained the three specimens of the species that I have described as L. lelouveteau, figured by Leloup, 1934 (fig. 3), contained only the label. Dr. Leloup kindly sent the specimens themselves to me, and I examined them on January 22, 1940. The three remaining tubes contained specimens of what is perhaps a still further new species, a small Lensia, multistriate and without a velar ridge. Lack of material prevents precise description of it.

11. Lensia grimaldii Leloup, 1933. (Figs. 26-29.)

I was familiar with good specimens of this species under the manuscript name duplex some years before Leloup published a description and figures of one very poor, much lacerated and collapsed specimen with fragmentary nectosac. Through the courtesy of Dr. Leloup I was able to examine his holotype on Dec. 23, 1933. Although his figures are necessarily not very representative, I am satisfied that his name grimaldii must now be applied to the species figured below. Unlike exeter, the number and condition of the ridges is pretty constant. The species would appear to be a mid-water form.

With Leloup's later suggestion (Bull. Mus. Roy. d'Hist. Nat. Belg. x. 6, p. 38) that grimaldii does not represent a good species, but is only a variety of Lensia multicristata (Moser), I disagree. The one species is quite distinct from the other; and amongst the many specimens I have examined no intermediates have been found. Neither species has any connection with yet another described and figured by Leloup (loc. cit., pp. 37-40) as Lensia multicristata forme grimaldii, taken at 'Meteor' Station 277. The combination of characters, size, number of longitudinal ridges, presence of horizontal (velar) ridge, shape of baso-ventral angle and size and shape of somatocyst mark these last-mentioned specimens out as belonging to a distinct species, described by me under the new name lelouveteau, and represented by specimens taken by 'Discovery II.'

It is convenient to describe anterior nectophores like those of *L. grimaldii* in terms not of ridges and facets

but of infoldings between outward ridges. These outward ridges bear one or more longitudinal crests. When the muscular nectosac contracts in swimming, the semi-rigid chitinous investment has to fold inwards like the cover between the ribs of an umbrella, and then have enough elasticity to expand the nectosac again. Here we have

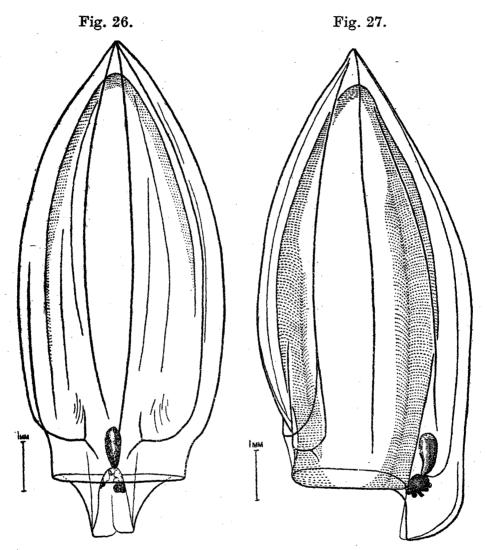


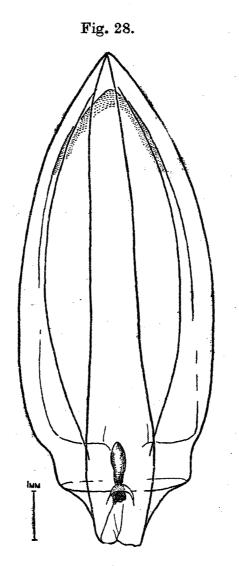
Fig. 26.—Lensia grimaldii Leloup. 'Discovery' Stn. 282, 300-0 m. Dorsal view.

Fig. 27.—Lensia grimaldii Leloup. 'Discovery' Stn. 282, 300-0 m.

a mechanism the habitual functioning of which lends itself to evolutionary change.

There is a pair of dorsal crests on a dorsal ridge that is flanked by two longitudinal infoldings, 'B and B' of Leloup's fig. 6. It can be seen that on contraction the folds converge orally and cut off the ridge and crests.

The two lateral ridges, each bearing two crests, are flanked by the antero-lateral and postero-lateral infoldings ('BB' and 'DD' of Leloup's fig. 6), while the rigid ventral area is separated from the lateral ridges by the same postero-lateral infoldings marked 'D and D' in Leloup's fig. 6. All the infoldings are longitudinal.

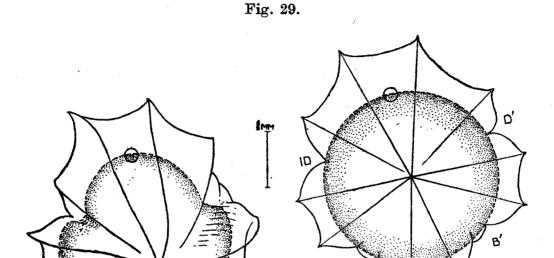


Lensia grimaldi Leloup. 'Discovery' Stn. 282, 300-0 m. Ventral view.

Viewed from the apex the dorso-ventral axis of the nectophore is longer than the latero-lateral axis, and not as shown by Leloup's figs. 6-9.

Sometimes the right, sometimes the left dorsal ridge is the longer. Occasionally a third incomplete ridge is

present, extending half-way up to the apex. As a constant character the ventral pair of ridges does not reach the apex.



Lensia grimaldii Leloup. 'Discovery' Stn. 282, 300-0 m. Left, apical view. Right, diagrammatic apical view.

Localities.—'Carnegie' Station: Cruise VII. St. 64. S. 397: B. 7081. 1 specimen.

'Discovery' Stations:—

1
1
2
10
2
1