

## KEY TO THE SPHAERODORIDAE OF SOUTHERN CALIFORNIA

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### List of Species

Clavodorum clavatum Fauchald, 1972 *deepwater area*  
Ephesiella brevicapitis (Moore, 1909) *sso*  
Ephesiella mammifera Fauchald, 1974 *mexico*  
Sphaerephesia longisetis Fauchald, 1972 *sso*  
Sphaerephesia similisetis Fauchald, 1972 *sso*  
Sphaerodoridium sp A *sso*  
Sphaerodoropsis biserialis (Berkeley and Berkeley, 1944) *North*  
Sphaerodoropsis minuta (Webster and Benedict, 1887)  
Sphaerodoropsis sexantennella Kudnov, 1993 *small, deeper water*  
Sphaerodoropsis sphaerulifer (Moore, 1909) *sso*  
Sphaerodorum papillifer Moore, 1909 *sso*

1. Body long, vermiform; dorsum with 2 rows of sessile macrotubercles with long terminal papillae; first setiger with recurved hooks..... 2
1. Body short, grub-like; dorsum with more than 2 rows of macrotubercles; first setiger without recurved hooks..... 4
2. All setae simple, with small lateral boss.....  
..... Sphaerodorum papillifer
2. All setae compound (except recurved hooks)..... Ephesiella 3
3. Microtubercles partially fused to macrotubercles; dorsum and ventrum densely papillated..... Ephesiella mammifera
3. Microtubercles separated from macrotubercles on dorsum; dorsum with only few papillae..... Ephesiella brevicapitis
4. Dorsum with 4 rows of sessile macrotubercles..... 5
4. Dorsum with more than 4 rows of macrotubercles..... 7
5. Macrotubercles with short terminal papillae; anterior face of each parapodium with more than six papillae.. Sphaerephesia 6
5. Macrotubercles without terminal papillae; anterior face of each parapodium with only single papilla Sphaerodoropsis biserialis
6. Compound setae from setigers posterior to setiger 3 very long, more than twice as long as parapodia; microtubercles present between the parapodia..... Sphaerephesia longisetis
6. All compound setae short, no longer than parapodia; microtubercles absent..... Sphaerephesia similisetis
7. Dorsum with 6-8 rows of macrotubercles..... 8
7. Dorsum with 10-12 rows of macrotubercles..... 10

8. Dorsum with 6 rows of stalked macrotubercles..... 9
8. Dorsum with 7-8 rows of sessile macrotubercles; lateral antennae short, truncate..... Sphaerodoropsis sphaerulifer
9. Median antenna long, as long as, or longer than, the lateral antennae; eyes absent..... Clavodororum clavatum
9. Median antenna short, shorter than the lateral antennae; eyes present..... Sphaerodoridium sp A
10. Dorsum with 10-12 rows of macrotubercles, forming a transverse row on each segment; two short, rounded postsetal lobes present..... Sphaerodoropsis minuta
10. Dorsum with 10-11 rows of macrotubercles, forming a zig-zag pattern on adjacent segments; postsetal lobes absent..... Sphaerodoropsis sexantennella

#### References

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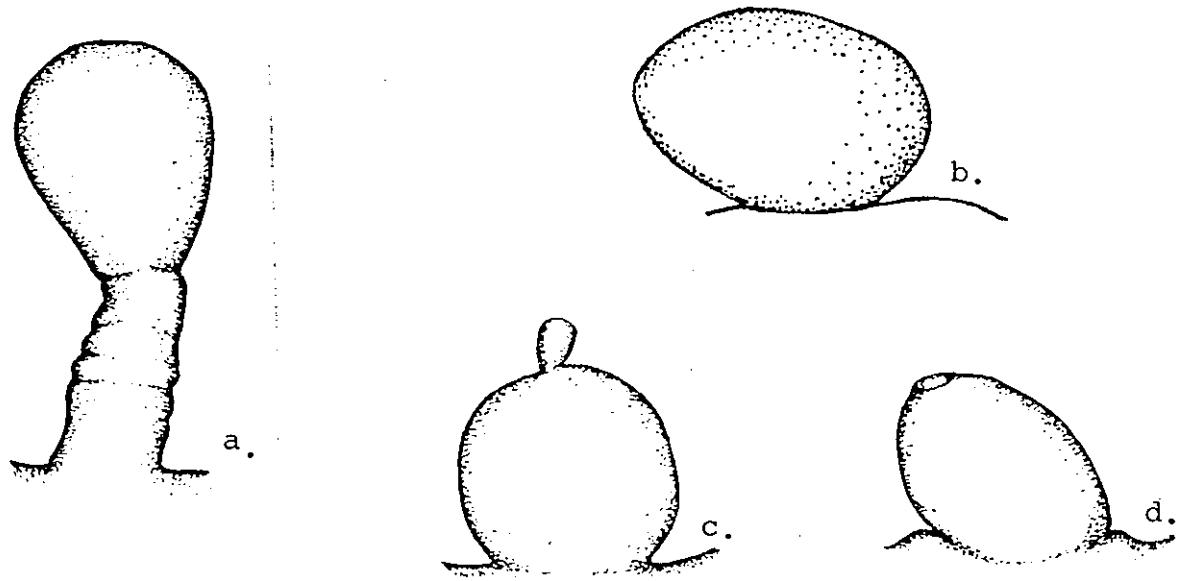


Figure 1. Macrotubercles.

- a. stalked
- b. sessile without terminal papilla
- c. sessile with long terminal papilla
- d. sessile with short terminal papilla

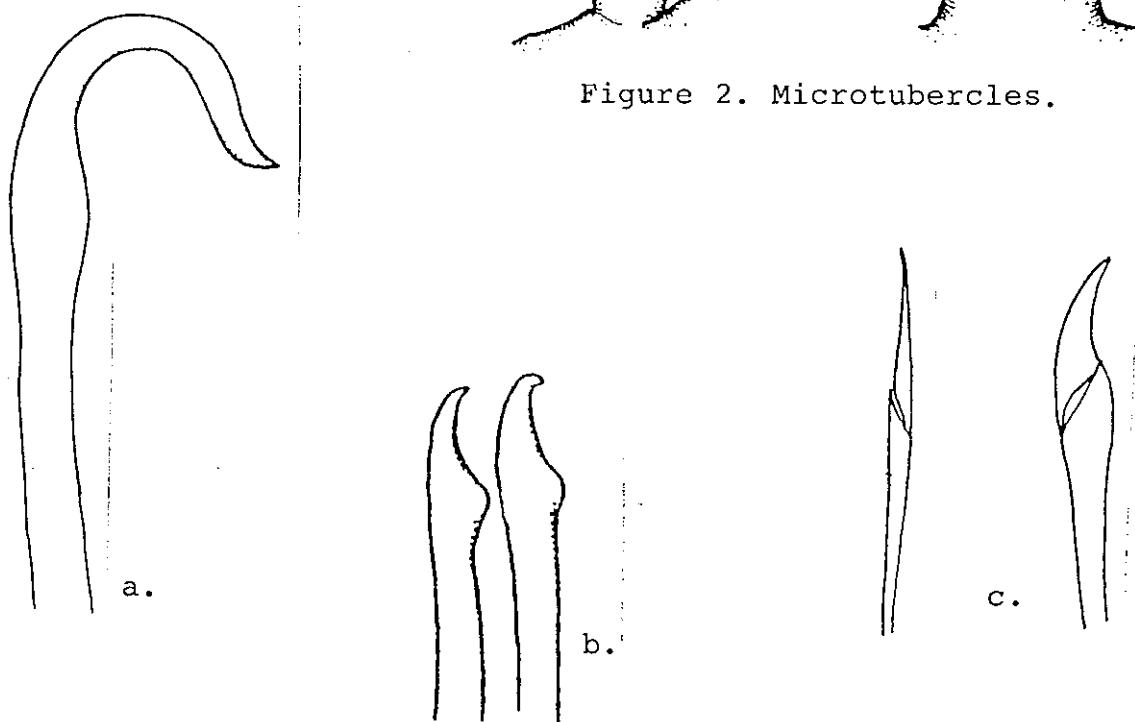


Figure 3. Setae.

- a. recurved hook
- b. simple
- c. compound