

KEY TO THE SPHAERODORIDAE OF SOUTHERN CALIFORNIA

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12 August 1996

List of Species

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

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