

AMPLIACIONES DE AMBITO

New records of Copepoda parasitic on Peruvian marine fishes (Osteichthyes)

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In the present contribution, new geographical and host records of copepods parasitic on teleost fishes from the Peruvian coast (South Pacific) are listed. To date, 26 copepod species (Poecilostomatoida and Siphonostomatoida) are known in this region (Cressey and Collette 1970, Cressey and Cressey 1980, Duran and Oliva 1983, Luque and Bruno 1990), this report increases the number to 38. The systematic sequence (order, family, genus) of the recorded species is based in Kabata (1979).

1. *Bomolochus bellones* (Burmeister, 1835), Poecilostomatoida; Bomolochidae. *New Host: Belone scapularis* (Jordan & Gilbert). *Site of infection:* Gills, *New geographic range:* Peru (Southeastern Pacific), Pacific Ocean (All others zones), Atlantic Ocean, Mediterranean Sea, Indian Ocean. *Voucher specimens:* N: 131 LPURP (Kabata 1979).
2. *Colobomatus quadrifarius* Cressey and Schotte, 1983, Poecilostomatoida; Philichthyidae. *New Host: Anisotremus scapularis* (Tschudi). *Site of infection:* Mandibular canals. *New geographic range:* Peru. Ecuador. Colombia, Panamá, México, *Voucher specimens:* N:132 LPURP (Cressey & Schotte 1983).
3. *Caligus cheilodactylus* (Kroyer, 1863), Siphonostomatoida; Caligidae. *Host: Cheilodactylus variegatus* Valenciennes. *Site of infection:* Corporal surface. *New geographic range:* Peru, Chile. *Voucher specimens:* N: 133 LPURP (Fernandez and Villalba 1986).
4. *Caligus quadratus* (Shiino, 1954), Siphonostomatoida; Caligidae, *Paralabrax humeralis* (Valenciennes). *New Hosts: Trachinotus paitensis* (Cuvier); *Stellifer minor* (Tschudi). *Site of infection:* Oral cavity, gills, corporal surface, *New geographic range:* Peru, Chile, Japan, India, North America. *Voucher specimens:* N: 134 LPURP (Fernandez and Villalba 1986).
5. *Lepeophtheirus edwardsi* Wilson, 1905, Siphonostomatoida; Caligidae. *Host: Paralichthys adspersus* (Steindachner). *Site of infection:* Gills. *New geographic range:* Peru, Chile, North American Atlantic, China. *Voucher specimens:* N: 135 LPURP (Baeza and Castro 1980).
6. *Hatschekia amphiprocesa* Castro and Baeza, 1986, Siphonostomatoida; Hatschekiidae. *Host: Paralabrax humeralis* (Valenciennes). *Site of infection:* Gill filaments. *New geographic range:* Peru, Chile, *Voucher specimens:* N:136 LPURP (Castro and Baeza 1986).
7. *Metapeniculus antofagastensis* Castro and Baeza, 1986, Siphonostomatoida; Penellidae. *Host: Anisotremus scapularis* (Tschudi). *Site of infection:* Dorsal fin.

New geographic range: Peru, Chile, *Voucher specimens:* N: 137 LPURP (Castro and Baeza 1985a).

8. *Naobranchia lizae* (kroyer, 1863), Siphonostomatoida; Naobranchiidae. *Host:* *Mugil cephalus* Linneo. *Site of infection:* Gill filaments. *New geographic range:* United States (Atlantic coast), Mexico, Peru. *Voucher specimens:* N:138 LPURP (Skinner 1975).
9. *Clavella simplex* Castro and Baeza, 1985. Siphonostomatoida; Lernaepodidae. *Host:* *Isacia conceptionis* (Cuvier), *Site of infection:* Caudal peduncle. *New range:* Peru, Chile. *Voucher specimens:* N: 139 LPURP (Castro and Baeza 1985b).
10. *Clavella applicata* Castro and Baeza, 1985. Siphonostomatoida; Lernaepodidae. *Host:* *Anisotremus scapularis* (Tschudi). *Site of infection:* Gills. *New geographic range:* Peru, Chile. *Voucher specimens:* N: 140 LPURP (Castro and Baeza 1985c).
11. *Neobrachiella paralichthyos* Castro and Baeza, 1986, Siphonostomatoida; Lernaepodidae. *Host:* *Paralichthys adspersus* (Steindachner). *Site of infection:* Gills. *New geographic range:* Peru, Chile. *Voucher specimens:* N:141 LPURP (Castro and Baeza 1986a).
12. *Neobrachiella exilis* (Shiino, 1956), Siphonostomatoida; Lernaepodidae. *Host:* *Mugil cephalus* Linneo. *Site of infection:* Dorsal and pectoral fins. *New geographic range:* Peru, Chile, Japan, *Voucher specimens:* N:142 LPURP (Castro and Baeza 1986a).

COMMENTS

The species recorded in the present paper were collected during a parasitological survey of Peruvian marine teleost fishes from the Bay of Chorrillos (12° 30' S, 76° 50'W). Fish nomenclature has been based in Chirichigno (1974). The Copepoda specimens were deposi-

ted in the Zoological Collection of the Ricardo Palma University (Parasitology Laboratory, LPURP), Lima-Peru. Two of the species recorded, *Bomolochus bellones* and *Naobranchia lizae* are specific parasites of fishes (Belonidae, Mugilidae) widely distributed in the world. Other species, *Caligus quadratus*, parasitic on fishes of the families Carangidae, Coryphaenidae, Embiotocidae, Sciaenidae and Scombridae, has a large geographic range and low specificity. *Lepeophtheirus edwardsi* and *Neobrachiella exilis* bear a geographic range restricted to the South American Pacific and Japanese coast. The similarity of the copepod fauna parasitic on fishes from Peru and Chile is obvious because the presence of numerous fishes that include the Peruvian and Chilean coast in their geographic distribution (Chirichigno 1974).

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José Luis Luque y César Farfán

Laboratorio de Parasitología, Facultad de Ciencias Biológicas, Universidad Ricardo Palma, P.O. BOX 138, Lima 18, Perú.