

Appendix 3.

A LIST OF POLYCHAETA ALONG THE LEVANT COAST

Compiled by Dr. M.N. Ben-Eliahu

The following list comprises all the Polychaetes listed in the regional literature cited below, including Marenzeller's Levant Basin (sensu Por, 1978) stations as well as unpublished material in the Life Sciences Collections at the Hebrew University of Jerusalem (as of December, 1994). (Order of Families from Fauchald, K., 1977. List checked with Hartman, 1959 and 1965). For each species, the code number for the publication is given. Where genera have several species, references to undetermined material are not always included.

Except for the families Nereididae and Serpulidae which have been fully analyzed, the Section of Aquatic Invertebrates still has some polychaetes sorted only to Families from the eastern Mediterranean (Israel coast, Cyprus, and Rhodes), the Suez Canal, and the Red Sea Gulfs of Elat-Aqaba and Suez.

REFERENCE CODES (Collector or determinator, if different from author) Sampling depths

1. Marenzeller, 1993 (only Levant Basin specimens).
2. Fauvel, 1937 (leg., A. Steuer), Alexandria, i-231 m.
3. Monro, 1937 (leg., G. Haas), intertidal, littoral.
4. Fauvel, 1955 (leg., H. Steinitz), littoral
5. Fauvel, 1957 (leg., E. Gottlieb-Gilat), 18-90 m
6. Tebble, 1959 (leg., G. Haas, A. Wirzubski-Yashouv, K. Reich), i-145m
7. Gilat, 1964 (det. F. Rullier), 9-183 m
8. Harlock & Laubier, 1966 (leg. H. Bytinskyi-Salz), 0.5-1.5m
9. Laubier, 1966, 2-150m
10. Quieroz, 1968
11. Gitay, 1970 (Por and Ferber, 1972), littoral
12. Laubier, 1970, littoral
13. Lipkin & Safriell, 1971 (det. G. Bellan), i-3m
14. Ben-Eliahu, 1972a (Por et al., 1972), Cyprus, i-3m
15. Ben-Eliahu, 1972b (Por et al, 1972), i-250
16. Ben-Eliahu, 1972c (Por et al, 1972), i-250
17. Ben-Eliahu 1975a, intertidal, Dendropoma cryptofauna
18. Ben-Eliahu 1975b, intertidal, Dendropoma cryptofauna
19. Amoureux, 1976 (M. Tom), 10-77m
20. Ben-Eliahu 1976a, intertidal, Dendropoma cryptofauna
21. Ben-Eliahu 1976b, intertidal, Dendropoma cryptofauna
22. Ben-Eliahu 1976c, intertidal, Dendropoma cryptofauna
23. Ben-Eliahu 1977a, intertidal, Dendropoma cryptofauna
24. Ben-Eliahu 1977b, intertidal, Dendropoma cryptofauna
25. Goren, 1980 (F. Rullier, det.), 0.5m asbestos plates
26. Zibrowius & Bitar, 1981 Beirut, 5m
27. Ben-Eliahu & Safriell, 1982, intertidal, Dendropoma

cryptofauna

28. Ben-Eliahu, Golani & Ben-Tuvia, 1983. Holocentridae, 10-40m
29. Dexter, 1986, 0-interstitial
30. Fishelson & Haran, 1986 (det. L. Amoureux) intertidal algae
31. Ben-Eliahu, 1989a, ca. 1,400 m.
32. Ben-Eliahu, 1989b, i-180m.
33. Ben-Eliahu & ten Hove, 1989
34. Ben-Eliahu, 1990a, i-180m.
35. Ben-Eliahu, 1990b, (leg., B.Galil) 200-1,400m.
36. Ben-Eliahu & Golani, 1990, Mullidae, 2-90m.
37. Ben-Eliahu, 1991 (Por et al, 1972 and many others), i-180m,
1,400m
38. Ben-Eliahu, Por and Galil, 1991 (leg. B. Galil).
39. Ben-Eliahu, 1992 (Por et al, 1972 and many others).
40. Ben-Eliahu & ten Hove, 1992, i-24.
41. Ben-Eliahu & Fiege, 1994 (Por et al, 1972; B. Galil;
'Meteor'-5; 'Poseidon'), 35-1,470m.
42. Ben-Eliahu & Fiege, 1994 ('Meteor'-25) 31-4770 m
43. Ilan et al, 1994 (leg. B.Galil, det. Ben-Eliahu), sponge, 800m
44. Ben-Eliahu & Fiege, 1995 (leg., "'Meteor' 5") 100-700m.
- Uc. Unpublished material from Cyprus, det. M.N. Ben-Eliahu
- Ui. Unpublished material from Israel, det. M.N. Ben-Eliahu
- Us. Unpublished material from Sinai, det. M.N. Ben-Eliahu
- @ May be more than one species.
- * Lessepsian migrant sensu Por, 1978.,

DEPOSITION OF MATERIAL: Vienna: 1; Mus. d'Hist. nat., Paris: 2,4,?7,?9,?12,19,30; Nat. Hist. Museum, London: 3,6,(17-18),(20-24); The Hebrew University of Jerusalem: (4),(6),11,14-18,20-24,27-28,31-33(see paper); 34-40, 41,(42),43,(44); The Zoological Museum, Tel Aviv University: 5,?7,?8,12,?19, 25,?30; The Zoologische Museum, Amsterdam: 40; The Naturmuseum Senckenberg, Frankfurt: 41-42,44. ()=a small part of the material.

PHYLLODOCIDAE

- Anaitides mucosa (Oersted, 1843) 2
Eteone sp. Ui
Eulalia pusilla Oersted, 1843 Uc
Eulalia viridis (Linnaeus, 1767) 4,13,22,27,
Eumida sanguinea (Oersted, 1843) 2,4,Us
Mysta picta (Quatrefages, 1865) ?Uc,Us
Mystides borealis Theel, 1879 Uc
Mystides (Pseudomystides) limbata St. Joseph, 1886 ?Uc
Notophyllum foliosum (Sars, 1835) Uc,Us
Paranaitis lineata (Claparede, 1868) 2
Pirakia punctifera Grube, 1860 2,5,?Us
Phyllodoce longifrons Ben-Eliahu, 1972 ?22,?27
Phyllodoce malmgreni Gravier, 1900 25
Phyllodoce vittata (Baird, 1865) 19
Pterocirrus marginatus, Fauvel, 1923 ?30

APHRODITIDAE

- Laetomonice hystrix Savigny, 1820 2,5,19,Uc
Pontogenia chrysocoma (Baird, 1965) 2,4,6,9,13,14,19,28

POLYNOIDAE

Acanthicolepis asperrima (Sars, 1861)
Acholoe astericola (della Chiaje, 1841) = A. squamosa 19, Us
Allmaniella setubalensis McIntosh, 1885 ?5
Evarnella impar (Johnston, 1839) 2
Harmothoe antilopes McIntosh, 1867 36
Harmothoe imbricata (Linnaeus, 1767) 2
Harmothoe spinifera (Ehlers, 1864) 5, 14, 43
Lagisca extenuata (Grube, 1840) 2
Lepidasthenia maculata Potts, 1910 2, 6
Lepidonotus clava (Montagu, 1808) 2, 4, 6, 13, 14, 19, Ui
Lepidonotus squamatus (Linnaeus, 1767) 2, Us
Subadyte pellucida (Claparede, 1868) = Scalissetosus pellucidus = S. fragilis 15, 19, 36, Us

ACOETIDAE= POLYODONTIDAE

Euarche tubifex Ehlers 1887 = Eupanthalis kinbergi 2, 19, 35, 41, 44
Eupanthalis glabra Ben-Eliahu & Fiege, 1994 41, 44
Eupolyodontes cornishii Buchanan, 1894 41
Panthalis oerstedii Kinberg, 1855 1, 35, 38, 41, 44
Polyodontes maxillosus (Ranzani, 1817) 41, 44

SIGALIONIDAE

Labioleanira yhleni Malmgren, 1867 6, 16, 19, 35, 36, 43, 44
Pholoe dorsipapillata Marenzeller, 1893 Ui
Pholoe synopthalmica Claparede, 1868 16, Ui
Psammolyce arenosa (della Chiaje, 1841) 2, 14, 36
Sigalion mathildae Audouin and Milne Edwards, 1832 6, 14, 19, 36, Ui, Us
Sthenelais boa (Johnston, 1839) 2, 4, Uc, Us
Sthenelais limicola (Ehlers, 1964) 2
Sthenelais minor Pruvot & Racovitza, 1895 ?Uc, ?Ui
Thalenessa dendrolepis (Claparede, 1868) 2

CHRYSOPETALIDAE

Arichlidon reyssi (Katzmann, Laubier & Ramos, 1974) =
Chrysopetalidae gen sp. = Bhawania reyysi 9, 15, 19
Chrysopetalum debile (Grube, 1855) 5, 19, 30, Uc

HESIONIDAE

Gyptis sp. (= Oxydromus) -Ui (fish gut)
Hesione splendida Savigny, 1818 = H. pantherina Risso, 1926 4, 9, Ui
Kefersteinia cirrata (Keferstein, 1863) 2, 5, Uc,
Nereimyra punctata (O.F. Muller, 1788) ?6
Podarke pallida (Claparede, 1864) 9, Uc
Podarkeopsis galangau Laubier, 1961 Ui
Syllidia armata Quatrefages, 1865 16, Uc

PILARGIDAE

Ancistrotyllis groenlandica McIntosh 1879 35, 38
Ancistrotyllis hamata (Hartman, 1960) 44
Pilargis verrucosa St. Joseph, 1899 9, Uc, Us
Sigambra cf. tentaculata (Treadwell, 1941) 36

SYLLIDAE

- Amblosyllis formosa (Claparede, 1863) 2
Autolytus edwardsi St. Joseph, 1887 cf.24,?27
Autolytus longeferiens St. Joseph, 1887 2
Autolytus pictus (Ehlers, 1864) 9
Autolytus prolifera (Muller, 1788) 30
*Branchiosyllis exilis=uncinigera (Gravier, 1900) 3,4,6,8,
13,15,16,23,27,30
Brania clavata (Claparede, 1863) 24,27,30,?Uc
Brania limbata (Claparede, 1868) ?-Ui
Brania oculata (Hartmann-Schroeder, 1960) 24,27,30
Brania pusilla (Dujardin, 1851) 16,24,27
Brania tenuicirrata (Webster, 1897) 2
Langerhansia (Ehlersia) cornuta (Rathke, 1843) 2,5,6,9,19,23,27,38
Langerhansia ferrugina (Langerhans, 1881) -Uc,-Ui
Langerhansia garciae Campoy, 1982 44
Langerhansia rosea cf. magna (Westheide, 1974) 23,27
Eusyllis assimilis Marenzeller, 1875 2,Uc
Eusyllis sp. Us
Eurysyllis tuberculata Ehlers, 1864 15,16,23,27
Exogone gemmifera Pagenstecher, 1862 2,9,14,24,27,30
Exogone hebes (Webster & Benedict, 1884) 30
Exogone rostrata Naville, 1933 Ui
Exogone verugera (Claparede, 1868) 14,cf24,27,30,44
Haplosyllis spongicola (Grube, 1855) 2,5,9,19,30,Uc,Us
Odonotosyllis dugesiana Claparede, 1864 ?Ui
Odontosyllis fulgerans (Audouin & Milne-Edwards, 1833) 19,23,27,28,30
*Opisthosyllis brunnea Langerhans, 1879 3,4,6
Parapionosyllis brevicirra Day, 1954 s. San Martin, 1991 Ui
Pionosyllis pulligera (Krohn 1852) 25
Pionosyllis weissmanni Langerhans, 1879 s. Campoy, 1982 Ui
Pterosyllis formosa Claparede, 1863 2
Spermosyllis torulosa Claparede, 1864 9
Sphaerosyllis claparedii Ehlers, 1864 9
Sphaerosyllis erinaceus Claparede, 1863 ?Ui
Sphaerosyllis erinaceus cryptica Ben-Eliahu, 1977 24,27
Spherosyllis hystrix Claparede, 1863 s. Hartmann-Schroeder, 1971
2,9,14,24,27
Sphaerosyllis hystrix Claparede, 1863, sensu Westheide, 1974 24,27
Sphaerosyllis pirifera Claparede, 1868 s. San Martin, 1991 2,6,Ui
Sphaerosyllis tetralix Eliason, 1920 24,27,Ui
Syllides edentula (Claparede, 1868) ?Uc
Syllis amica Quatrefages, 1865 2,4,5,23,27
Syllis gracilis Grube, 1840 2,4,5,19,23,27,Us
Trypanosyllis coeliaca Claparede, 1868 ?Us
Trypanosyllis zebra (Grube, 1860)=T. taeniaformis (Haswell, 1886)
2,5,6,9,19,25,Uc
Typosyllis armillaris (Muller, 1771) 5,19,23,27,44
Typosyllis hyalina (Grube, 1863) ?2,6,19,23,25,27
Typosyllis khronii Ehlers, 1864 5
Typosyllis prolifera Krohn, 1852 2,4,13,14,23,27,30
Typosyllis truncata mediterranea Ben-Eliahu, 1977 23,27
Typosyllis variegata (Grube, 1860) 2,4,5,6,9,14,25
Typosyllis vittata Grube, 1840 2

NEREIDIDAE

- Ceratonereis costae (Grube, 1840) 2,4,5,9,19,34,43,
Ceratonereis hircinicola (Eisig, 1870) 9
*Ceratonereis mirabilis Kinberg, 1866 19,32,34,Us
Hediste diversicolor (Muller, 1776) 2,Ui
Websteronereis (=Laeonereis) glauca (Claparede, 1870) 19
*Leonnates decipiens Fauvel, 1929 15,16,32,34
*Leonnates jousseaumi Gravier 34,43
*Leonnates persica Wesenberg-Lund, 1949 15,16,32,34,36
Neanthes caudata (Delle Chiaje, 1828) 4,14,16,19,34,36,44
*Neanthes willeyi (Day, 1934)=N. capensis 4,15,32,34
Nereis falsa Quatrefages, 1865 2,4,30,32
*Nereis gilchristi Day, 1960 15,32,34
Nereis irrorata (Malmgren, 1868) 2,Uc
Nereis pelagica (Linnaeus, 1761) 25
Nereis rava Ehlers, 1868 2,4,5,19,Uc
Nereis succinea Frey & Leuckart, 1847 2,16,25,34,Ui,?Us
Nereis zonata Malmgren, 1867 6,18,27,30,32
as =N. flavipes Ehlers, 1868 Us
*Nereis zonata persica Fauvel, 1911= N. persica 15,16,32,34
Perinereis cultrifera (Grube, 1840) 2,4,6,13,14,16,18,27,32,34,39
Perinereis macropus (Claparede, 1870) 18,27
*Perinereis nuntia (Savigny, 1818) 4,32,34
Platynereis dumerilii (Audouin & Milne Edwards, 1833) 2,4,5,6,9,
13,14,18,19,25,27,30,32
Platynereis sp.
*Pseudonereis anomala Gravier, 1900 2,4,9,13,14,15,16,18,27,
30,32,34,39

GLYCERIDAE

- Glycera alba (Muller, 1788) 14,?Us
Glycera capitata Oersted, 1843 19
Glycera convoluta Keferstein, 1862 2,4,9,19
Glycera lapidum complex 38
Glycera rouxii Audouin & Milne Edwards, 1833 5,6,9,19,44
Glycera tessellata Grube, 1863 6,19,36
Glycera tridactyla Schmarda, 1861 Ui
Glycera unicornis Savigny, 1818 2,5,19,?44
Glycera giganteus Quatrefages, 1865 2

GONIADIDAE

- (*Glycinde bonhourei Gravier, 1904 = ?G. nordmanni) 15,16
Glycinde nordmanni (Malmgren, 1865) 36,Us
Goniada emerita Audouin & Milne Edwards, 1833 28,Uc
Goniada maculata Oersted, 1843 5,36
(Goniada norvegica Oersted, 1844 (5-corrected to G. maculata)

LACYDONIIDAE

- Paralacydonia paradoxa Fauvel, 1913 19,36,Us

NEPHTYIDAE

- Aglaophamus inermis (Ehlers, 1887) 6,15
Micronephthys stammeri (Augener, 1932) 9,19,Uc,Us
Nephtys cirrosa Ehlers, 1868 Ui

Nephtys hombergii Savigny, 1818 2, ?5, 19, Us
Nephtys hystericis McIntosh, 1900 2, (6), (16), (19), (36)
Nephtys incisa Malmgren, 1865 s. Ranier, 1990 [corrected 6, 16, 19], 44
Nephtys longosetosa Oersted, 1843 Us (det. F. Rullier)
Nephtys paradoxa Malm, 1874 (Ui)

SPHAERODORIDAE

Sphaerodoropsis sp. 35, 38
Sphaerodorum peripatus Claparede, 1863H=Johnston, 1845 9

AMPHINOMIDAE

Chloeia venusta Quatrefages, 1865 cf. 35
Eurythoe complanata (Pallas, 1766) ?2, 3, 4, 6, 14, 19, 22, 27
Hermodice carunculata (Pallas, 1766) 2, 5, 6, 9, 14, 15, 16, 19
*Pseudeurythoe cf. acarunculata Monro, 1933 9, 15, 22, 27
Pseudurythoe microcephala Fauvel, 1932 ?30

EUPHROSINIDAE

Euphrosine armadillo Sars, 1851 19
Euphrosine foliosa Audouin & Milne Edwards, 1833 2
Euphrosine myrtosa Savigny, 1818

ONUPHIDAE

Diopatra neapolitana delle Chiaje, 1441 2, 6, 19, Us
Hyalinoecia bilineata Baird 1870=
 H. grubei (Marenzeller, 1886)=
 F. fauveli Rioja 1918=
 H. brementi Fauvel, 1916 9, 19, 36
Hyalinoecia tubicola (Muller, 1776) 1, 5, 6, , 19
Onuphis conchylega Sars, 1835= Nothria conchylega -Us
Onuphis eremita Audouin & Milne Edwards, 1833 2, 36, Us

EUNICIDAE

Eunice aphroditois (Pallas, 1788)=E. purpurea Grube 2,
Eunice harasii Audouin & Milne Edwards, 1834 9
*Eunice indica Kinberg, 1865 15, 16, ?22, ?27, ?28
Eunice pennata (Muller, 1776) 5, 15, Uc
Eunice siciliensis Grube, 1840 4, 7, 13, 14
Eunice torquata Quatrefages, 1865 2, 5, 6, 7, 9, 15, 19, 28
Eunice tubifex Crossland, 1904 19, cf. 36
Eunice vittata (delle Chiaje, 1828) 2, 5, 9, 19, ?22, ?27, ?28, 36, 44
*Lysidice collaris Grube, 1870 14, 15, 16, Ui
Lysidice ninetta Audouin & Milne Edwards, 1833 2, 5, 9, 14, 15,
 16, 19, 28
Marphysa belli (Audouin & Milne Edwards, 1833) 19
Marphysa fallax Marion & Bobretzky 1875 2, 5, Uc, Us
Marphysa sanguinea (Montagu, 1815) 4, ?22, ?27
Nematonereis unicornis (Grube, 1840) 5, 19, 22, 27, Uc, Us

LUMBRINERIDAE

Lumbrineris adriatica (Fauvel, 1940) 19
Lumbrineris coccinea (Renier, 1804) 2, 5, 15, 16, 28
Lumbrineris cf. emandibulata mabiti Ramos, 1976 36, 38
Lumbrineris funchalensis (Kinberg, 1865) 14, 30
Lumbrineris gracilis (Ehlers, 1868) 2, 5, 9, 19, 36, ?Uc, Us

Lumbrinereis impatiens Claparede, 1868 2,5,6,36
Lumbrinereis latreilli Audouin & Milne Edwards, 1834 2,5,9,22,27,Uc.
Lumbrinereis paradoxa St. Joseph, 1888 36

ARABELLIDAE

Arabella geniculata (Claparede, 1868) 22,27,36
Arabella iricolor (Montagu, 1804) 2,5,13,14,22,27,28
Drilonereis filum (Claparede, 1868) 2,5,6,19,22,27,44

LYSARETIDAE

Halla parthenopeia (Della Chiaje, 1828) ?28, Us

DORVILLEIDAE

Dorvillea neglecta Fauvel, 1923 ?Ui
Dorvillea rubrovittata (Grube, 1855) 2,5,19,Uc
Ophyrotrocha puerilis Claparede & Meznikow, 1869 Ui (det. D. Quieroz)

Ophyrotrocha sp. @ 22,27

Protodorvillea kefersteini (McIntosh, 1869) 5,9,Uc
Schistomeringos rudolphi (della Chiaje, 1828) Uc

ORBINIIDAE

Naineris laevigata (Grube, 1855) 2,4,13
Orbinia cuvierii (Audouin & Milne Edwards, 1833) ?Ui
Orbinia sp. Us
Phylo foetida (Claparede, 1870) Ui (det. Monro), 4,6
Phylo sp. 763
Protoaricia oerstedii (Claparede, 1864) 16,21,27,30
Scolaricia typica Eisig, 1914 2
Scoloplos armiger (Muller, 1776) 9, ?14, Us, Ui
Scoloplos (Leodomas) chevalieri candiensis Harmelin, 1969 19
Scoloplos=Scolaricia haasi (Monro, 1937) 3,4,6,Ui

PARAONIDAE

Aedicirra mediterranea Laubier & Ramos, 1973 31,38
Aricidea assimilis Tebble, 1959=mutabilis Laubier & Ramos 1973
6,36,44
Aricidea capensis bansei Laubier & Ramos, 1973 Ui
Aricidea catherinae Laubier, 1967 ?Ui
Aricidea cerruti Laubier, 1965=jeffreysi 9, ?Us
Aricida fragilis mediterranea Laubier & Ramos, 1973 -Ui
Aricida neosuecica Katzmann & Laubier, 1975 Ui
Aricida trilobata Laubier & Ramos, 1973 38
Aricidea pseudannae Katzmann & Laubier, 1975 36
Aricidea simonae Laubier & Ramos, 1973 Uc (det. L. Laubier)
Aricidea sp. @9,19
Cirrophorus branchiatus Ehlers, 1908 36,Us
Cirrophorus furcatus (Hartman, 1957) 36
Cirrophorus cf. lyriformis (Annenkova, 1934) 9
Levinsenia gracilis (Tauber, 1879) 19,36,Ui
Paradoneis armata Glemarec, 1966 19
Paradoneis lyra Southern, 1914 376 38,Uc

SPIONIDAE

- Aonides oxyxcephala (Sars, 1862) 5,9,13
Boccardia polybranchia (Haswell, 1855) 16,21,27
Laonice cirrata (Sars, 1851) 25
Nerine cirratulus (Delle Chiaje, 1828) = Scololepis squamata
=(Muller, 1806) 29,Ui
Polydora ciliata Johnston (1838) ?21,?27
Polydora hoplura Claparede, 1870 Ui
Prionospio cirrifera Wiren, 1883 6,Uc
Prionospio ehlersi Fauvel, 1928 6,19,44
Prionospio salzi Laubier, 1970 12
Prionospio sexoculata Augener, 1918 Ui
Prionospio steenstrupi Malmgren, 1867 =(P. malmgreni
Claparede, 1870= 6,9,44
Pseudopolydora antennata (Claparede, 1870) 21,27
Pygospio elegans Claparede, 1863 21,27,30
Spio filicornis (O.F. Muller, 1766) 14
Spiophanes bombyx (Claparede, 1870) Ui
Spiophanes kroyeri reyssi Laubier, 1964 16,19,36,38,44

CTENODRILIDAE

- Ctenodrilus serratus (Schmidt, 1857) 21,27,30
Zepelinia monostyla (Zeppelin, 1883) 21,27

MAGELONIDAE

- Magelona cincta Ehlers, 1908 Uc,Us,Ui
Magelona papillicornis O.F. Muller, 1858 6,Ui

TROCHOCHAETIDAE (DISOMIDAE)

- Poecilochaetus serpens Allen, 1904 2,5,6,9,15,16,19,Us

CHAETOPTERIDAE

- Phyllochaetopterus socialis Claparede 1870 2
Spiochaetopterus costarum (Claparede, 1868) Us,?Ui

CIRRATULIDAE

- Cauleriella bioculata (Keferstein, 1862) 21,27,30
Chaetozone setosa Malmgren,1867 ?Ui
Cirratulus chrysoderma Claparede, 1870 5
Cirratulus filiformis Keferstein 1862 ?2
Cirrifomia filigera (della Chiaje, 1828) 4,13,19,21,27
*Cirriformica semicincta (Ehlers, 1905) 9
Cirriformia tentaculata (Montagu, 1808) 13,30,Ui
Dodecaceria concharum Oersted, 1843 2,4,13,21,27
*Tharyx dorsobranchiatus Kirkegaard, 1959 15
Tharyx heterochaeta Montecellina (Laubier, 1961) 19,44
Tharyx marioni (St. Joseph, 1894) 9,16,19
*Timarete anchylochaeta (Schmarda,1861)=*Cirriformia anchylochaeta
(Schmarda, 1861) 9,15

COSSURIDAE

- Cossura sp. Ui

ACROCIRRIDAE

- Acrocirris frontifilis Grube, 1860 2

CAPITELLIDAE

- Capitella capitata (Fabricius, 1780) 2,21,27,30
Capitomastus minimus (Langerhans, 1881) ?Uc,?Us
Dasybranchus caducus (Grube, 1846) 2,5,?28
Heteromastus filiformis=Mastobranchnus (Claparede, 1864)
2,21,?27,
Mastobranchnus dollfussi Fauvel, 1936 (Not Leiocapitella) 19
Leiocapitella glabra Hartman, 1947 44
Leiocapitella-like ?juvenile
Mediomastus cirripes Ben-Eliahu, 1976 21,27
Notomastus aberrans Day, 1957 15
Notomastus exsertilis St. Joseph, 1906 36,Ui
Notomastus latericeus Sars, 1851 19
Notomastus profundus Eisig, 1887 ?2,15
Notomastus sp.@ 5,6,44
Pseudoleocapitella fauveli Harmelin, 1964 19,?44

ARENICOLIDAE

- Arenicola claparedii Levinsen, 1884 2
Branchiomaldane cf. vincenti Langerhans, 1881 16,21,27

MALDANIDAE

- *Asychis gotoi (Izuka, 1902) 5,15,16,31,44
Clymenura clypeata (St. Joseph, 1894) Ui
Euclymene lumbricoides(Quatrefages, 1865) 2,4,?14,15,cf.19
Euclymene oerstedii (Claparede, 1863) 19
Euclymene palermitana (Grube, 1840) 5
Johnstonia clymenoides Quatrefages, 1865 4,6
Clymenura tricirrata=Leiochone (Bellan & Reys,1967) 19
Maldane glebifex Grube, 1860 2,7,44
Micromaldane ornithochaeta Mesnil, 1897 16,21,27,30
Nichomache (Loxochone) trispinata Arwidsson, 1907 16,Uc
Petaloproctus terricola Quatrefages, 1865 486 15,Uc
Petaloproctus sp.@ 2
Euclymene gracilis (Sars,1861)=Praxillella ?6,7,19,?44
Praxillella lophoseta (Oersted, 1866) Orlandi, 1898 ?6,cf.19
Praxillella praetermissa Malmgren, 1866 2
*Rhodine loveni-gracilior Tauber, 1879 (R.loveni Malmgren,
1865= Rhodine loveni gracilior Tauber, 1879) 5,15,16,as
cf. gracilior-19,31,36,sp-38,44

STERNASPIDIDAE

- Sternaspis scutata (Ranzani,1817) 2,5,6,7,9,16,19,36,44

SCALIBREGMIDAE

- Sclerocheilus minutus Grube, 1863 2,19,Uc

OPHELIIDAE

- Armandia cirrhosa Filippi, 1861 4
Armandia polyophtalma=A.?cirrhosa Kukenthal, 1887 2
Ophelia bicornis Savigny, 1818 9
Ophelia limacina (Rathke, 1843) 2
Polyophtalmus pictus (Dujardin, 1839) 2,4,6,9,13,21,25,27,30

OWENIIDAE

Galathowenia (Myriochele) oculata Zaks, 1922 35-sp.,38,44
Owenia fusiformis della Chiaje, 1841 2,6,14,19

FLABELLIGERIDAE

Brada villosa (Rathke, 1843) 35,38
Diplocirrus glaucus (Malmgren, 1867) 2
Flabelligera diplochaitos (Otto, 1821) 2,Uc
Pherusa eruca (Claparede, 1870) 2,5,6,28,Uc
Pherusa monolifera (della Chiaje, 1841) 2
Stylaroides plumosa=Pherusa (O.F. Muller, 1776) 16,Uc

SABELLARIIDAE

Sabellaria spinulosa Leuckart, 1849 2,21,27,Us

PECTINARIIDAE

Amphictene auricoma (Muller, 1776) 2
Lagis koreni Malmgren, 1866 19,Us
Pectinaria belgica (Pallas, 1766) 44,Us

AMPHARETIDAE

Amage adspersa (Grube, 1863) 2,9,44
Ampharete grubei Malmgren, 1866 16,44
Amphicteis gunneri (Sars, 1835) 2,5,6,19,44
Melinna palmata Grube, 1870 1-as M. adriatica, 2,5,14,16,44
Sabellides octocirrata (Sars, 1835) 5,44

TEREBELLIDAE

Amaena trilobata Sars, 1863 44
Amphitrite affinis ?Ui
Amphitrite cirrata Muller, 1771 2
Neoamphitrite edwardsi (Quatrefages, 1865) 44
Amphitrite rubra (Risso, 1828) 2,4,9
Amphitrite variabilis (Risso, 1826) cf.Ui
Eupolymnia nebulosa (Montagu, 1818) 5,Us
Eupolymnia nesidensis (della Chiaje, 1828) 14,19
Lanice conchilega (Pallas, 1776) 2,4,9,19,Us
Nicolea venustula (Montagu, 1818) 2,4,5,19,?Uc
Pista cretacea (Grube, 1860)
Pista cristata (Muller, 1776) 2,5,Us; for all these, see
P.unibranchia
*Pista unibranchia Day, 1963 s.Cantone,1981 as P.sp.-19,44
Polycirrus aurantiacus Grube, 1860 ?14
Polycirrus caliendrum Claparede, 1870 cf.19
Polycirrus pallidus (Claparede, 1864) ?2
Proclea graffii (Langerhans, 1884) 44
*Terebella ehrenbergi Grube, 1870 14,15,16,21,27
Terebella lapidaria Linnaeus, 1767 2,14,19,Us
Thelepus cincinnatus (Fabricius, 1780) 2,44

TRICHOBRANCHIDAE

Terebellides stroemii Sars, 1836 2,5,6,16,19,36,38,44
Trichobranchus glacialis Malmgren, 1866 5

SABELLIDAE

- Amphiglena mediterranea (Leydig, 1851) 4,17,25,27
Augneriella lagunarii Gitay, 1970 11
Bispira viola (Grube, 1863) 44
*Branchiomma bohollensis =(Dasychone)
=(B. cingulata (Grube, 1870) 3,4,6,9,13,15,16,39)
=(B. lucullana (delle Chiaje,1828) 2,4,14,15,16,19,39
(see Knight-Jones, Knight-Jones and Ergen, 1991)
Chone collaris Langerhans, 1880 Uc
Chone duneri Malmgren, 1867 2
Chone sp. Ui
*Fabricia filamentosa (Giangrande & Castelli) 39
Fabricia sabella (Ehrenberg, 1837) 2,17,27,30
Fabriciella tonerella Banse, 1957 (as F. cf. baltica) 17,27
Jasminiera caudata Langerhans, 1880 Uc
Jasminiera elegans St. Joseph, 1894 19,Uc
*Laonome elegans Gravier, 1906 cf15,?16
Laonome salmacidis Claparede 1870 1,25
Laonome sp. 19
Megalomma vesiculosum (Montagu, 1815) cf.44
Myxicola aesthetica (Claparede, 1870) 5
Myxicola infundibulum (Renier, 1804) ?Ui
Oriopsis eimeri (Langerhans, 1880) 30
Oriopsis eimeri persinosa Ben-Eliahu, 1975 17,27
Potamilla stichopthalmos (Grube, 1863) 608 15,16,Uc,Ui
Pseudopotamilla reniformis (Linnaeus, 1788) 15,16,17,19,27
Potamilla torelli Malmgren, 1866-either Perkinsiana or
Demonax Knight-Jones, pers. comm.) 5,9,19
Sabella bipunctata Baird, 1865 ?Uc
Sabella fabricii Kroyer, 1856 ?Us
Sabella pavonina Savigny, 1820 2,7,44
Spirographis spallanzani Viviani, 1805 9,?Uc

SERPULIDAE

- Apomatus similis Marion & Bobretsky, 1875 ?37, sp.38,40
Ditrupa arietina (O.F. Muller, 1776) 2,7,37,40,42
Ficopomatus enigmaticus (Fauvel, 1923) 2,4,37,40
Filograna/Salmacina complex (F.implexa/ F. or S.incrustans/S.
complex 2(Si),9(Si),20(Fi),27(Fi),37(F.sp.),40(S./F.complex)
Filogramma calyculata 42
Filogramma stellata as sp.-31 ,as sp.-37,38,40
Hyalopomatus sp. 42
Hydroides cf. brachyacanthus 33,37,40
Hydroides dianthus (Verrill, 1871)(see H. operculata-20,27),
presumed H. operculatus, not found for confirmation,26;
not found for confirmation, not likely-30; not likely-40.
Hydroides dirampha Morch, 1863 (syn H.lunulifera) 26,37,40,Us
Hydroides elegans (Haswell, 1883) (corrected for 2; for 9;for
10),16, (corr. for 25); 26,27,(corr. 30),33,37,40
Hydroides intermediate juvenile ("H. priscus") opercular form,
as H."grubei"26; as H. "novaepommeraniae", 37, and in the
population of H.cf. brachyacanthus 37; also found in H.
homoceros, 40.
Hydroides helmatus (Iroso, 1921) 37,40
*Hydroides heterocerus (Grube, 1868) 9,15,16,26,37,40,43

- *Hydroides homoceros Pixell, 1913 33,37,39,40
*Hydroides minax (Grube, 1878) 26,33,37,39,40
Hydroides nigrus Zibrowius, 1970 14,16,37
Hydroides norvegicus Gunnerus, 1768 not 2,?6,not 9,not 10,
not 16,not 25, 31,37,40
*Hydroides operculatus (Treadwell, 1929)= H.basispinosus
Straughan, 1967=H. gradata Straughan, 1967=H. inornata
Pillai, 1965. As H.cf.dianthus-20,27; 26,37,40
Hydroides p. pseudouncinatus Zibrowius, 1971 19,37,40,U.Crete,
U.Rhodes,Uc,
Hydroides stoichadon Zibrowius, 1971 37
Janita fimbriata (Delle Chiaje, 1828)=Omphalopomopsis 37,40,Us
Josephella marenzelleri Caullery & Mesnil, 1896 4,20,27,37,40
Metavermilia multicrostata (Philippi, 1844) as ?sp.37,42
Placostegus "crystallinus" (Scacchi,1836) s.Zibrowius, 1968
37,40
Placostegus tridentatus (Fabricius, 1779) 2,15,37,
Pomatoceros lamarckii (Quatrefages, 1865)presumed-9,presumed-
15, as P.triqueter-16,20,(as P.triqueter-25),26,27,37,40
Pomatoceros triqueter (Linnaeus, 1767) 2,not-9,not-15,not-16,19,
not-25,37,40
*Pomatoleios krausii 37,39,40
Protis arctica (Hansen, 1879) 42
Protula tubularia (Montagu, 1803) 9,19,?37,40
Rhodopsis pusilla Bush,1905 33,37,40
Semivermilia crenata (Costa, 1861) 37,40
Semivermilia cribrata (Costa, 1861) 37
Semivermilia pomatostegoides (Zibrowius, 1969) 16,37,40
Serpula concharum (Langerhans, 1879) 19,not 30(presume a juvenile
Hydroides, to be checked), 31,37
Serpula lobiancoi (Rioja 1917) ?2
Serpula (Paraserpula) israelitica Amoureux, 1976 19,26,31,37,39,40
Spiraserpula cf. massiliensis (Zibrowius, 1968) cf37
Serpula vermicularis Linnaeus, 1767 6,7,9,19,31,37,40
Spirobranchus polytrema (Philippi, 1844) 9,19,25,37,40
*Spirobranchus tetraceros (Schmarda, 1862) =S. jousseaumi
Gravier, 1908 = as S.giganteus coutieri Gravier, 1908-9,
15,16, as S. coutieri-19, 26,32,37,39,40
Vermiliopsis infundibulum (Philippi, 1184) 2,14,19,37,40
(=glandigerus Gravier, 1908, Red Sea)
Vermiliopsis labiata (O.G. Costa, 1861)=V.richardi Fauvel,1909
5,19,37,40
Vermiliopsis monodiscus Zibrowius, 1968 42
Vermiliopsis striaticeps (Grube, 1862) ?20,26,?27,37,40

SPIROBIDAE

- Laeospira sp. 30
Spirorbis corrugatus (Montague, 1803) 2,4
Spirorbis mediterraneus Caullery & Mesnil 1980 25
Pilolaria militaris Claparede, 1870 20,27
Simplicaria pseudomilitaris (Thiriot-Quievriex, 1965) 26
Spirorbis pagenstecheri Quatrefages, 1865 ?4,13,14,20,27

CHRONOLOGICAL EASTERN MEDITERRANEAN REFERENCES
(updated, January, 1995)

1. **Marenzeller, E. Von**, 1893. Polychaeten des Grundes, gesammelt 1890, 1891 und 1892. Denkschr. Akad. Wiss. Wien (mathem. naturw.) 60: 25-48, 4 pls.
2. **Fauvel, P.** 1937. Les fonds de peche pres d'Alexandrie. XI.-Annelides Polychetes. Dir. Rech. Pecheries Not. Mem. 191-60.
3. **Monro, C.C.A.**, 1937. A note on a collection of polychaetes from the Eastern Mediterranean with a description of a new species. Ann. Mag. Nat. Hist., (ser 10) 19: 82-86.
4. **Fauvel, P.** 1955a. Contribution a la faune des Annelides Polychetes des cotes d'Israel. Bull. Sea Fish. Res. Str. Haifa, 10: 3-12.
5. **Fauvel, P.** 1957a. Contribution a la faune des Annelides Polychetes des cotes d'Israel. II. Bull. Res. Council. Isr. 6B(3-4): 213-219.
6. **Tebble, N.** 1959. On a collection of polychaetes from the Mediterranean coast of Israel. Bull. Res. Council. Isr., B8(1): 9-30.
7. **Gilat, E.** 1964. The macrobenthonic invertebrate Communities on the Mediterranean Continental Shelf of Israel. Bull. Inst. oceanogr. Monaco, 62(1290): 1-46.
8. **Harlock, R. and Laubier, L.** 1966. Notes on Branchiosyllis uncinigera (Hartmann-Schroder, 1960) new to the Mediterranean. Isr. J. Zool., 15: 18-25.
9. **Laubier, L.** 1966. Sur quelques Annelides Polychetes de la region de Beyrouth. Am. Univ. Beirut Misc. Pap., 5 :9-22.
10. **Quiroz, D.**, 1968. Preliminary note on the polychaeta and polychaeta larvae in Haifa harbour, Israel. Rapports Proces Verbaux Mer Mediterranee 19: 193-194..
11. **Gitay, A.** 1970. A review of Augneriella (Polychaeta: Sabellidae) and a new species from northern Sinai. Isr. J. Zool., 19(2): 105-109.
12. **Laubier, L.** 1970. Prionospio salzi sp. nov., un spionidien (Annelide Polychete) des cotes Mediterrannennes d'Israel. Isr. J. Zool., 19(4):183-190.
13. **Lipkin, Y. and Safriel, U.**, 1971. Intertidal zonation on rocky shores at Mickhmoret (Mediterranean, Israel). J. Ecol. 59, 1-30.
14. **Ben-Eliahu, M.N.** 1972a. Littoral Polychaeta from Cyprus. Tethys, 4(1): 85-94.
15. **Ben-Eliahu, M.N.** 1972b. Some Polychaeta Errantia from the Suez Canal. Israel. J. Zool., 21: 189-203.
16. **Ben-Eliahu, M.N.** 1972c. Studies on the migration of the Polychaeta through the Suez Canal .VII^e Congres Internat. Zool. (Monte Carlo, Sept. 1972. theme no. 3: Les consequences biologiques des canaux inter-oceans (mimeo preprint).
17. **Ben-Eliahu, M.N.** 1975a. Polychaete cryptofauna from rims of similar intertidal vermetid reefs of the Mediterranean coast of Israel and in the Gulf of Elat: Sabellidae (Polychaeta Sedentaria). Isr. J. Zool., 24: 54-70.

18. **Ben-Eliahu, M.N.** 1975b. Polychaete cryptofauna from rims of similar intertidal vermetid reefs of the Mediterranean coast of Israel and in the Gulf of Elat: Nereidae (Polychaeta Errantia). Isr. J. Zool., 24: 177-191.
19. **Amoureux, L.** 1976. Serpula (Paraserpula) israelitica, nouvelle espece de Serpulidae (Annelides Polychetes) et une petite collection annelidienne de la Mediterranee orientale. Bull. Mus. Natn. Hist. Nat.(3 ser), 404:1047-1059.
20. **Ben-Eliahu, M.N.** 1976a. Polychaete cryptofauna from rims of similar intertidal vermetid reefs of the Mediterranean coast of Israel and in the Gulf of Elat: Serpulidae (Polychaeta Sedentaria). Isr. J. Zool., 25: 103-119.
21. **Ben-Eliahu, M.N.** 1976b. Polychaete cryptofauna from rims of similar intertidal vermetid reefs of the Mediterranean coast of Israel and in the Gulf of Elat: Sedentaria. Isr. J. Zool., 25: 121-155.
22. **Ben-Eliahu, M.N.** 1976c. Errant Polychaete cryptofauna (excluding Syllidae and Nereidae) from rims of similar intertidal vermetid reefs of the Mediterranean coast of Israel and in the Gulf of Elat. Isr. J. Zool., 25: 156-177.
23. **Ben-Eliahu, M.N.** 1977a. Polychaete cryptofauna from rims of similar intertidal vermetid reefs of the Mediterranean coast of Israel and in the Gulf of Elat: Syllinae and Eusyllinae (Polychaeta Errantia: Syllidae). Isr. J. Zool., 26: 1-58.
24. **Ben-Eliahu, M.N.** 1977a. Polychaete cryptofauna from rims of similar intertidal vermetid reefs of the Mediterranean coast of Israel and in the Gulf of Elat: Exogoninae and Autolytinae (Polychaeta Errantia: Syllidae). Isr. J. Zool., 26:59-99.
25. **Goren, M.** 1979. Development of benthic community on artificial substratum at Ashdod (eastern Mediterranean). Oceanol. Acta 1980(3): 275-283.
26. **Zibrowius, H. and Bitar, G.** 1981. Serpulidae (Annelida Polychaeta) indo-pacifiques etablis dans la region de Beyrouth, Liban. Rapports Proces Verbaux Mer Mediterranee 27: 159-160.
27. **Ben-Eliahu, M.N. and Safrieli, U.N.** 1982. A comparison between species diversities of polychaetes from tropical and temperate structurally similar rocky intertidal habitats. J. of Biogeogr., 9: 371-400.
28. **Ben-Eliahu, M.N., Golani, D. and Ben-Tuvia, A.** 1983. On predation on polychaetes (Annelids) by the squirrelfish Adioryx ruber (Holocentridae), with a new polychaete record for the Mediterranean coast of Israel. Tethys, 11(1):15-19.
29. **Dexter, D. M.**, 1986. Sandy beach fauna of Mediterranean and Red Sea coastlines of Israel and the Sinai Peninsula. Isr. J. Zool. 34:125-138.
30. **Fishelson, L. and Haran, T.** 1986. Epifauna of algae on a rocky platform near Mikhmoret (Mediterranean Sea, Israel): composition and dynamics. Isr. J. Zool. 34: 105-123.

31. **Ben-Eliahu, M.N.**, 1989. A preliminary report on Polychaeta from deep-sea sampling in the eastern Mediterranean. Abstract. In: Y. Marth & B. Galil (eds.) Proc. Interdisciplinary Conference on the Continental Shelf of Israel, Shikmona, June, 1989. Publ. Israel Oceanogr. Limn. Res., pp. 26-27.
32. **Ben-Eliahu, M.N.**, 1989. Lessepsian migration in Nereididae (Annelida: Polychaeta): Some case histories. In: Spanier, E., Steinberger, Y. & Luria (eds.). Environmental Quality and Ecosystem Stability. Vol IV B- Ecosystem Stability. Proc. 4th Int. Conference Isr. Soc. Ecol. & Environmental Quality Sciences, Jerusalem, Israel, June 4-8, pp. 125-134.
33. **Ben-Eliahu, M.N. and H.A. ten Hove**, 1989. Redescription of Rhodopsis pusilla Bush, 1905, a little-known but widely distributed species of Serpulidae (Polychaeta). Zool. Scr., 18(3): 381-395.
34. **Ben-Eliahu, M.N.**, 1990. Nereididae of the Suez Canal-- potential Lessepsian migrants? Bull. Mar. Sci. 48(2): 318-329.
35. **Ben-Eliahu, M.N.**, 1990. Second preliminary report on Polychaeta from some deep-sea benthic sampling in the eastern Mediterranean. Abstract. In: Y. Marth & B. Galil (eds.) Proc. Second Interdisciplinary Conference on the Continental Shelf of Israel, Tel Aviv University, May, 1990. Inst. for Nature Conservation Research, Tel Aviv University, pp. 28-29.
36. **Ben-Eliahu, M.N. & D. Golani**, 1990. Polychaetes (Annelids) in the gut contents of goatfishes (Mullidae) with new polychaete records for the Mediterranean coast of Israel. Mar. Ecol. 11(3): 193-205.
37. **Ben-Eliahu, M.N.**, 1991. Red Sea serpulids (Polychaeta) in the eastern Mediterranean. In: M.E. Petersen & J.B. Kirkegaard (eds.) Systematics, Biology and Morphology of World Polychaeta. Proc. 2nd.Int. Polychaete Conference Copenhagen, 1986. Ophelia Suppl. 5, pp. 515-528.
38. **Ben-Eliahu, M.N., F.D. Por and B. Galil**, 1991. A preliminary report on the density and composition of small-size Levantine bathyal benthos. Abstract. In: Y. Marth & B. Galil (eds.) Proc. Third Annual Symposium on the Mediterranean continental margin of Israel, pp. 62-64.
39. **Ben-Eliahu, M.N.**, 1992. Lessepsian migration from the point of view of polychaetes (marine annelid worms). In: B. Galil & Y. Marth (eds.) French-Israelie Symposium on the continental margin of the Mediterranean Sea, Haifa, Israel Ministry of Science and Technology.
40. **Ben-Eliahu, M.N. & H.A. ten Hove**, 1992. Serpulid tubeworms (Annelida: Polychaeta) - a recent expedition along the Mediterranean coast of Israel finds new population buildups of Lessepsian migrant species. Israel J. Zool. 38(1): 35-53.

41. **Ben-Eliahu, M.N. and D. Fiege**, 1994. Polychaetes of the Family Acoetidae(=Polyodontidae) from the Levant and the Central Mediterranean with a description of a new species of Eupanthalis. In: J.C. Dauvin, L. Laubier & D.J. Reish (eds), Actes de la 4eme Conference international des Polychetes. Mem. Mus. natn. Hist. nat., 162: 143-162.
42. **Ben-Eliahu, M.N. and Fiege, D.**, 1994. Shelf and deep-water Serpulidae (Annelida) of the central and eastern Mediterranean. Abstract. 7th Deep Sea Symposium, IMBC, Crete, 1994.
43. **Ilan, M., Ben-Eliahu, M.N. and Galil, B.** 1994. Three deep water sponges from the eastern Mediterranean and their associated fauna. Ophelia, 39(1):45-54.
44. **Ben-Eliahu, M.N. and Fiege, D.**, 1995. Polychaeta from the continental shelf and slope of Israel collected by the "Meteor V" Expedition (1987). Sencken. maritima 25 (4/6) (in press).

ADDITIONAL REFERENCES

- Knight-Jones, P, Knight-Jones, W. and Ergen, Z.** 1991. Sabelliform polychaetes, mostly from Turkey's Aegean coast. J. Nat. Hist. 25: 837-858.
- Por, F.D.**, 1978. Lessepsian Migration. Springer-Verlag, Berlin-N.Y., 228 pp.
- Por, F.D., H. Steinitz, I. Ferber and Aron, W.** 1972. The biota of the Red Sea and the eastern Mediterranean (1967-1972). A survey of the marine life of Israel and surroundings. Israel Journal of Zoology, 21: 459-524.