



California Invertebrate ID Instructor Dr. Steve Lonhart, 2/6-7/2013

PORIFERA

- Cobalt Sponge – *Acanthancora* (formerly *Hymenamphiastra*) *cyanocrypta*
- Red Volcano Sponge -- *Acarnus erithacus*
- Orange Puffball Sponge -- *Tethya californiana* (formerly *aurantia*)

CNIDARIA

- Strawberry Anemone -- *Corynactis californica*
- Tube-Dwelling Anemone -- *Pachycerianthus fimbriatus*
- White-Spotted Anemone -- *Urticina lofotensis*
- Red Gorgonian -- *Lophogorgia chilensis*
- Brown Gorgonian -- *Muricea fruticosa*
- California Golden Gorgonian -- *Muricea californica*
- Orange Cup Coral -- *Balanophyllia elegans*
- California Hydrocoral -- *Stylaster californicus*

ANNELIDA

- Christmas Tree Worm -- *Spirobranchus spinosus*
- Colonial Sand-Tube Worms -- *Phragmatopoma californica*
- Feather Duster Worm -- *Eudistylia polymorpha*

MOLLUSCA

- Green Abalone -- *Haliotis fulgens*
- Pink Abalone -- *Haliotis corrugata*
- Red Abalone -- *Haliotis rufescens*
- Flat Abalone -- *Haliotis walallensis*
- Pinto Abalone -- *Haliotis kamtschatkana*
- Opalescent Nudibranch -- *Hermisenda crassicornis*
- San Diego Dorid -- *Diaulula sandiegensis*
- Noble Sea Lemon -- *Peltdoris nobilis*
- Spanish Shawl -- *Flabellina iodinea*
- California (Red) Sea Hare -- *Aplysia californica*
- Giant Keyhole Limpet -- *Megathura crenulata*
- Chestnut Cowry -- *Cypraea spadicea*
- Kellet's Whelk -- *Kelletia kelletii*
- Lewis' Moon Snail -- *Euspira lewisii*
- Red Turban Snail -- *Pomaulax* (formerly *Lithopoma*, formerly *Astraea*) *gibberosa*
- Wavy Turban Snail – *Megastraea* (formerly *Astraea*) *undosum*
- Giant Pacific Rock Scallop -- *Crassadoma* (formerly *Hinnites*) *gigantea*

- Gumboot Chiton -- *Cryptochiton stelleri*
- Two-Spot Octopus -- *Octopus bimaculatus*
- Red Octopus -- *Octopus rubescens*

ARTHROPODA

- Coonstripe Shrimp -- *Pandalus gurneyi/P. danae*
- Red Rock Shrimp -- *Lysmata californica*
- Masking/Sheep Crab -- *Loxorhynchus crispatus/L. grandis*
- Brown Rock Crab -- *Cancer antennarius*
- Northern Kelp Crab -- *Pugettia producta*
- California Spiny Lobster -- *Panulirus interruptus*

BRYOZOA

- Fluted Bryozoan -- *Hippodiplosia insculpta*
- Lacy Bryozoan -- *Phidolopora labiata*
- Northern Staghorn Bryozoan -- *Celleporella* spp. (misidentified as *Heteropora pacifica*)
- Southern Staghorn Bryozoan -- *Diaperoforma* (formerly *Diaperoecia*) *californica*

ECHINODERMATA

- California Sea Cucumber -- *Parastichopus californicus*
- Warty Sea Cucumber -- *Parastichopus parvimensis*
- Sunflower Star -- *Pycnopodia helianthoides*
- Bat Star -- *Patiria* (formerly *Asterina*) *miniata*
- Giant Spined Star -- *Pisaster giganteus*
- Leather Star -- *Dermasterias imbricata*
- Spiny Brittlestar -- *Ophiothrix spiculata*
- Crowned Urchin -- *Centrostephanus coronatus*
- White Urchin -- *Lytechinus anamesus*
- Purple Urchin -- *Strongylocentrotus purpuratus*
- Red Urchin -- *Strongylocentrotus* (changing to *Mesocentrotus*) *franciscanus*
- Eccentric Sand Dollar -- *Dendraster excentricus*

UROCHORDATA

- Light-Bulb Tunicate -- *Clavelina huntsmani*
- Monterey Stalked Tunicate -- *Styela montereyensis*
- Club Tunicate (non-native) -- *Styela clava*

SEAWEEDS

- Bull Kelp -- *Nereocystis luetkeana*
- Giant Kelp -- *Macrocystis integrifolia/M. pyrifera*
- Oarweed -- *Laminaria farlowii*
- Southern Sea Palm -- *Eisenia arborea*
- Northern Sea Palm -- *Pterygophora californica*
- Asian Kelp (non-native) -- *Undaria pinnatifida*