



THE ANOSTRACA AND NOTOSTRACA OF CALIFORNIA WITH EMPHASIS ON THE FEDERALLY LISTED SPECIES

INSTRUCTOR: D. Christopher Rogers, Kansas University, Kansas Biological Survey

DATE & TIME: 26-28 March 2013; 9:00 A.M. to 5:00 P.M.

LOCATION: Mission Trails Regional Park Visitor Center (1, Father Junipero Serra Trl., San Diego, CA, 92119)
http://www.mtrp.org/visitor_center.asp

COURSE OUTLINE

DAY 1: Lecture on Branchiopod biology, ecology, zoogeography, and conservation, followed by a discussion of fairy shrimp and tadpole shrimp morphology. Fairy shrimp and tadpole shrimp will be examined and identified. This will include a slide show of photomicrographs of the species illustrating key characters. Christopher will work individually with students to help each person see the key characters.

DAY 2: Students will resume individual study aided by Christopher. Approximately 2:30 pm we will review the morphological characters. Students will continue their individual study.

DAY 3: Students may spend some time studying. Students will take a practical open book examination during which they will identify a set of test specimens. **A qualifying exam result fulfills the USFWS test requirement portion of a section 10(1)(A) permit to survey for federally listed fairy shrimp in California. A test confirmation letter will be provided.**

REGISTRATION

The cost of the course is \$500 per person for the full workshop, including exam (**15 seats available**); or, \$50 for the first day lectures only (no exam; **open to room capacity**); *all payments are required in advance of close date. CLOSING DATE IS 1 MARCH 2013.* To reserve a space you must (1) RSVP with your contact information to the TWS events coordinator listed below (2) Once your RSVP is acknowledged, mail payment to confirm your registration.

Reservation requests beyond the first 15 students will be placed on a waiting list and any individuals whose payment has not been received by the closing date may forfeit their reservation. Make checks payable to *The So Cal Chapter of the Wildlife Society* and mail to the address below. *You are not registered until your payment has been received.*

Southern California Chapter - TWS
c/o Alicia Hill – Events Coordinator
1934 Reed Ave.
San Diego, CA 92109

Please include your contact info. Any questions regarding this class should be directed to:

Course info: D. Christopher Rogers 785.864.1714, branchiopod@gmail.com

Registration: Alicia Hill, 949.648.3753, aliciathill@gmail.com

STUDENT REQUIREMENTS: This class is an intensive course on the western large branchiopods. Students **MUST** know how to use a dissection microscope, **MUST** have good, basic micro technique skills, and **MUST** have the required materials listed below. **Expelled or no show students will NOT receive a refund.**

REQUIRED MATERIALS

Each student MUST bring to class:

- A dissecting microscope with a magnification range from at least 10X to 40X.
- One or more high quality light sources. The JANSJÖ LED work lamp from IKEA (#201.696.58) works great!
- Fine “soft touch” forceps - #26029-10 sold by Fine Science Tools 800-521-2109 is excellent, or Featherweight forceps (#4748) from BioQuip 310-324-0620; Gardena, CA (lower cost).

**BRINGING REQUIRED MATERIALS IS MANDATORY
IT IS NOT POSSIBLE TO PARTICIPATE WITHOUT THE REQUIRED MATERIALS!!!**