



The Cypress Cone

The newsletter of the California Native Plant Society
SANTA CRUZ COUNTY CHAPTER

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January - February 2009

Chapter General Meeting

Ken Kellman

Bryophytes: The Other Land Plants

**January 12, 2009
7:30 P.M..**

• **UCSC Arboretum Horticulture Building** •

Bryophytes (mosses, liverworts, and hornworts) represent a completely different solution to the evolutionary problem of living on land. They lack the complex vascular system that has made the so called "taller plants" so successful, but they have evolved complex solutions that will surprise you.

Our own Ken Kellman will show us how to recognize this important group of plants with a short presentation; we'll spend the rest of the evening looking closely at many common bryophytes from Santa Cruz County. This is Ken's third program with us, and if the first two are any indication, we are in for a genuine treat.

Ken Kellman met his first bryophyte in 1995 during a vascular plant survey of Quail Hollow Ranch County Park. It did not take long for him to abandon normal botanizing in pursuit of these tiny plants. He has published A Catalog of the Mosses of Santa Cruz County, and is now collecting for a similar project in Monterey County. His explorations have revealed several species new to science, and many more new to the central coast and the state. He is an instructor at the Jepson Herbarium weekend workshops in Bryology.

We will have dissecting microscopes and hand lens. Bring your own hand lens if you have one. Hope to see you there, and on the field trip!

This Issue's Two Enclosed Flyers

The first insert is an application for the Chapter's Patrick Elvander Scholarship. If you are a local college or university student seeking support for your project conserving Monterey Bay Area flora please apply. If you know one please send the application their way.

The second flyer describes the upcoming native gardening event: the Growing Natives Symposium, *Celebrating California's Native Beauty in Dry Times*, March 28 & 29 in Berkeley and Lafayette.

Bryophytes of Fall Creek, with Ken Kellman
Field Trip January 25, 10 AM - approx. 3:30 PM
(Rain date Feb 1, 10 AM - 3:30 PM)

Ken Kellman will follow up his presentation on mosses, liverworts and hornworts at our monthly meeting with a field trip to Fall Creek Division of Henry Cowell State Park. Fall Creek has over 90 species of bryophytes, with many that are found nowhere else in the county. We will be able to see representatives of all the major groups of bryophytes in the field, and by the end of the day, you will be able to name many of the common species. Meet at the parking lot at 10AM, and bring layered clothing, lunch and water for a full day, moderate 3 mile round trip hike to the lime kilns (bryologists move very slowly!) Make sure to **bring a 10X hand lens** to best see these tiny plants. Meet at 10 AM at Fall Creek, off Felton Empire Road, in Felton. You pass the cemetery on the right and the vineyard on the left, then turn right into the parking lot (about 1.1 miles from the intersection of Hwy 9 and Felton Empire Rd.) A **No Host** carpool may form next to Denny's in Santa Cruz, on Felker St (corner of Ocean St) at 9:40 AM. Rain will postpone the trip to the following Sunday, Feb 1. If it also rains on Feb 1 then the field trip will be canceled. Ken Kellman (831) 336-8548

Habitat Restoration Projects

The first restoration project of the new year is also the first time for the Habitat Restoration Team at the recently protected Laguna Creek Watershed. Join us to get a early peek into this former Coast Dairies property.

Linda Brodman 831.462.4041, redwdrn@pacbell.net

January 10, 2009 10 am to 1 pm

Laguna Creek Watershed on Coast Dairies Property - new area!

January 17, 2009 10 am to 1 pm
Quail Hollow Ranch County Park

Join the California Native Plant Society!

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Email: _____

Chapter (County) Affiliation: _____

Please make your check payable to CNPS and send to: Membership Chair, CNPS, 2707 K Street, Suite 1, Sacramento, CA 95816

- Student/Limited Income \$25*
- Individual \$45*
- Family, Group or Library \$75*
- Plant Lover \$100*
- Patron \$300*
- Benefactor \$600*
- Mariposa Lily \$1500*

All dues and gifts to CNPS are tax deductible.



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CNPS is a non-profit organization dedicated to the preservation of California native flora. CNPS has 31 chapters throughout the state and membership is open to all persons – professional and amateur — with an interest in California's native plants. Members have diverse interests including natural history, botany, ecology, conservation, photography, drawing, hiking, and gardening. Your membership includes *Fremontia*, a quarterly journal with articles on all aspects of native plants; the *Bulletin*, a statewide report of activities and schedules; and the *Cypress Cone*.



California Native Plant Society Santa Cruz County Chapter

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Dr. Patrick Elvander Memorial Scholarships
California Native Plant Society, Santa Cruz Chapter
Application Deadline: March 13, 2009

The Santa Cruz Chapter of the California Native Plant Society (CNPS) is offering several scholarships to undergraduate and graduate students in Spring 2009 in memory of Dr. Patrick Elvander, former lecturer of Plant Systematics and Plant Anatomy at UCSC. These scholarships are available to students attending UC Santa Cruz, San Jose State University, CSU Monterey Bay, Cabrillo College, Hartnell College, and Monterey Peninsula College.

The purpose of the Elvander Scholarship Fund is to promote research or an independent project that will further native plant conservation, education, activism, and/or understanding of native flora and plant communities in the greater Monterey Bay Area.

CNPS Santa Cruz has allocated a total of \$3000 for these scholarships in 2009. The amount of individual awards will be determined based on quality of the research proposal or project and applicability to Monterey Bay conservation issues. Graduate and undergraduate students will be evaluated separately.

Scholarship Requirements

Applicants should be undergraduates or graduate students enrolled at UCSC, San Jose State, CSU Monterey Bay, Cabrillo College, Hartnell College, or Monterey Peninsula College and interested in undertaking a research, educational or other project related to conservation of our local native flora. Applicants will be evaluated based on clarity of stated project goals and outline, experimental design, relevance of project to local flora issues in the Monterey Bay Area, motivation, future educational goals, and project feasibility.

The following two requirements must be met upon completion of the project:

1. Recipient agrees to make either a short (15 minutes) oral presentation of project results at a CNPS Santa Cruz general meeting, **or** create and present a professional poster of project results at a CNPS Santa Cruz general meeting;
2. Recipient agrees to submit a short, written summary of project results to CNPS Santa Cruz Chapter.

Required Application Information

- Application Form. (Also available on our website, www.cruzcnp.org).
- An up to 3 page, 12 pt font essay containing a brief intro to the topic you will address, a clearly stated hypothesis, a section summarizing methods that will be used, and a short explanation of the value of your work as it relates to the goals of the Elvander Fund.
- Have your major professor/sponsor sign and date the enclosed application form.
- Mail signed and completed application packet to the address below (**Must be postmarked by 3/13/09**).

Scholarship Committee
CNPS-Santa Cruz Chapter
C/o Janell Hillman
151 Palo Verde Terr.
Santa Cruz, CA 95060

Questions regarding the scholarship application can be directed to Janell Hillman, emerald@cruzio.com.
Electronic versions of application are available at cruzcnp.org.

**Application for Dr. Patrick Elvander Memorial Scholarship
California Native Plant Society, Santa Cruz Chapter**

1). Name _____

2). Street Address _____

3). City _____ State _____ Zip _____

4). Phone # _____ Email _____

5). College or University attending _____

6). Major/Future Educational Goals

7). Thesis/Research Topic/Project:

8). Academic Advisor/Sponsor (name, phone, email)

9). Please list any other awards or grants you have applied for or received in the last year:

10). Please outline a brief budget of how the award money will be used. Include a projected project timeline:

As the faculty sponsor of this project, I have read the enclosed application packet. I am aware of the Elvander Scholarship requirements and conditions and agree to support this student's work.

Advisor's Signature

Date

Student's Signature

Date
