
ECONEWS

December 1998

DECEMBER GSA MEETING REPORT

The December GSA meeting was held on December 2 and almost continued on into December 3. The Ironman of GSA meetings looked like it might never adjourn thanks primarily to contentious union issues on which many GSA representatives needed to voice their lengthy opinions.

Guest speaker, Christina Gonzales, Dean of Graduate Studies opened the meeting with a briefing on her work to improve the position of graduate students at UC Davis. "Graduate education is the topic of the year" reported Gonzales. Gonzales is currently drafting an action plan to implement some of the good ideas generated at this years Fall Conference. The topic of this years Fall Conference was graduate education issues. Gonzales is also involved in a task force on funding which will produce recommendations by the year's end. The task force is concentrating on increasing funds for block grants, training grants, financial aid and multi-year support packages for graduate students. "Non-resident tuition cost is the number one issue which always comes up in department conversations and is clearly a priority" stated Gonzales. There is a "non-resident tuition revolution" being instigated by Davis. Gonzales' funding task force will recommend that UC Davis uses growth money to create new non-resident tuition fellowships. Gonzales

managed to artfully deflect all direct questions posed to her about the TA strike and was masterful in gracefully changing the subject back to the "non-resident tuition revolution".

A petition for a sweat shop free campus was passed around the assembly to collect signatures. This petition has nothing to do with the UC TA strike but rather concerns improving working conditions for employees in factories producing UC licensed apparel. If you would like to add your signature to this petition contact Dorrie Panaytou.

The lounge telephone question continued to be a major issue for the GSA assembly. The quarter long debate on whether or not to keep a telephone in the GSA lounge was finally brought to a close when the assembly voted to stop paying the \$23.95 monthly telephone connection fees. This is probably not going to present an acute communication hardship for any grad student lounge lizards as the GSA telephone and answering machine were stolen from the lounge back in October.

The GSA newsletter is desperate for

material. Send your news to Laura Akers. There was some talk of getting rid of the paper copy of the GSA newsletter and only keeping the online version. However, this is not going to happen for logistical and financial reasons. Apparently, the advertisers would bail and the e-mail server couldn't handle the load.

An informal vote was held on the question Should the GSA offer more travel awards. Everyone seemed to think this would be a jolly good idea except one rep who told a heated anecdotal story about some bad student who got a GSA travel award. The moral of the story was grades don't always indicate how deserving one is of GSA travel award. Finally the issue was resolved by postponing its discussion and vote to the next meeting.

The grad student symposium committee needs a rep from the sciences and the GSHIP committee is also looking for an additional member. This could be you! Pad your CV with one of these important position.

The excessive GSA e-mail problem has

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been brought to the attention of Javier Lopez, (the guy who sends all the excessive e-mails). Javier is going to conduct an e-mail survey to assess the extent of the excessive e-mail problem.

Unitrans is offering UCD grad students a limitless ride package. This deal is similar to the undergrad system were all student pays a quarterly fee (\$13/quarter) and then everybody rides for free.

UCD is having a recreation space crisis. The GSA Assembly was horrified to learn that the UCD flamenco dancers have to dance on a cement floor! Major expansion plans are in the works which could include a renovated rec hall, an Olympic size indoor pool, and an improved equestrian center. All this recreating may lead to student fee hikes of \$70-\$100 per quarter.

The final business of the day was a vote on whether or not to change the GSA meeting format. Now, the GSA executive council are usual quite rigorous about following proper meeting etiquette. However, at this juncture (that would be the 10:30 pm juncture) cracks started to appear in the executive council's proper business manners. One of the more notable cracks was Secretary, Laura Akers having an apoplectic fit over Representative Maria Somma's suggestion that the executive committee submit their reports in a written form from now on instead of in the traditional 40 minute oral presentation form. After lengthy deliberation and squabbling, the assembly voted to change the agenda format such that the executive committee will now submit written reports to shorten the time needed for oral reports, guest speakers will be invited to fewer meetings, and business and discussion items will precede executive committee reports.

CONGRATULATIONS

Carolyn Lundquist won the 'best grad student poster' award at the November 1998 California Cooperative Oceanic Fisheries Investigations meeting at Asilomar, CA. The honor included a \$100 cash award.

Depressing Job News

TIM RODWELL

The number of doctorate recipients in the life sciences exceeds the research positions available in academia, government, and industry, according to a long-awaited report from the National Research Council (NRC). The report, issued by the NRC's Commission on the Life Sciences' Committee on Dimensions, Causes, and Implications of Recent Trends in the Careers of Life Scientists, urges universities and research institutions not to expand enrollment in existing graduate life sciences programs, or develop new ones, unless they are responding to a specific need. According to the report, as many as 38 percent of Ph.D. recipients are still unable to establish independent research projects five or six years after receiving their degrees. "Federal funding agencies and universities should work together to achieve a better balance between graduate education programs and the needs of the research enterprise," noted committee chair Shirley Tilghman.

JOB

Administrative Assistant Needed
Student Asst. IV, \$10.90/hr Full Time (M-F 8-12, 1-5) ASAP to 7/15/98

Duties: To serve as the first point of contact for grad students wishing to obtain services or information from the GSA. S/he gathers information on grad student services, maintains GSA website, handles business and financial transactions, using DaFIS, handles student grievances, provides research analysis and support for GSA executive council. Must be a spouse or domestic partner of a registered grad student in good standing, works independently, computer skills, people skills & dedication to grad students.

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EGSA NEWS:

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Chair Up-date

Heiner Leith will finish his term as chair of the GGE but will not re-apply to hold the position after June 30, 1999. Nominations for a replacement chair are currently being accepted. The latest date to submit a nomination is January 15, 1999. The responsibilities of the new chair will be changed to focus more on leadership of the EGG. The business and administrative duties (i.e. paperwork) which used to be the responsibility of the chair will be assigned to the AOE chairs.

Consolidation of AOE's.

The AOE were instituted as dynamic entities which would band and disband over time. However, the process by which these changes would occur has not been formalized. The executive committee is currently working on developing an evaluation process by which AOE's will be assessed. Suggestions regarding how often and by whom the AOE's should be evaluated are being accepted. Martha Hoops suggested that AOE's be reviewed after they hit a certain critical low number, that the review be done by people who are not in the AOE and that disbanding not be the automatic result of low numbers. If you didn't know, the Landscape and Ecosystem AOE may be disbanding or becoming a sub-AOE of Integrative Ecology. The EGSA plans to focus its attention and outstanding brainpower to also work on the AOE evaluation process.

STRIKE!

Dorrie and Kit provided a report from the front lines of the TA strike. A big fat eco-news thank-you to all the striking TA's who are taking pay cuts and fighting the power for the collective bargaining rights of graduate employees everywhere. (Note: This opinion represents the views of this eco-news editor and does not necessarily represent the views of the other eco-news editor or the EGSA or the GGE or the CIA) Dorrie is

working on a resolution to send to the administration king pins from the ecology grad students who aren't TAing this quarter but would like to show their support for the union. Contact Dorrie Panaytou if you want in on this.

Committee Reports

Diversity committee hasn't met yet but they have big plans to organize a meeting for next quarter

The Orientation committee are wrestling with the idea of extending the odyssey an extra day or maybe cutting out some of the stops to reduce all that driving. They are also trying to figure out a way to make faculty foot the bill so that the odyssey can be made a bit more mandatory

STUDENT PUBLICATIONS

Infanticide in the hippopotamus: evidence for polygynous ungulates
R.L. Lewison *Ethology Ecology & Evolution*, 10(3):277-286.

Abstract.

Infanticide has been reported in a wide range of taxa. Although recent work suggests that infanticide may be present in managed populations of ungulates, it has not been documented in wild ungulates. Here, I present qualitative evidence of infanticide in a wild ungulate, the hippopotamus (*Hippopotamus amphibius*), and suggest that infanticide in this species may be a strategy by which males increase reproductive success. I present a conceptual model in which infanticide by males occurs within approximately 50 days post parturition and acts as a means to shorten the interbirth interval, particularly when water resource are scarce, and territory takeovers or changes in dominance hierarchy are likely.

Differences in grape phylloxera-related grapevine root damage in organically and conventionally managed vineyards in California
D. W. Lotter, J. Granett,

and **A. D. Omer** Department of Entomology UCD

Abstract. Grapevine root samples were taken from organically and conventionally managed phylloxera-infested vineyards in northern California in summer and fall surveys in 1997 and 1998. Grapevine roots infested with phylloxera from organically managed vineyards (OMVs) showed significantly less root necrosis than phylloxera-infested roots from conventionally managed vineyards (CMVs) ($P < 0.001$). Phylloxera populations were significantly higher on roots from OMVs than CMVs, probably due to the limiting effect of increased necrosis on root health and colonization suitability in CMVs. Percent soil organic matter was significantly higher in OMVs ($P = 0.008$) and accounted for part but not all of the difference in phylloxera related root necrosis between OMVs and CMVs. There was no difference in the number of pathogen species isolated from feeding sites on roots from the different cropping systems, however, the occurrence of the pathogen-antagonist *Trichoderma* species was five times higher in roots from organically managed than conventionally managed vineyards.

ECO-EVENTS

Wednesday, December 9

DIANE BRIDGE, University of California, Irvine "TBA" 5:10 pm
1022 Life Sciences Addition

THOMAS SPARKS "Natural products as leads for products in insects controls: The spinosyns" 122 Briggs Hall. 4:10 p.m.

Thursday, December 10

MICHAEL LYNCH: The role of mutation in evolution and extinction. 2 Wellman Hal: 4:10-5:30 p.m.

REBECCA HEALD, The Role of Different Microtubule-Based Motors in Establishing Spindle Bipolarity 1022 Life Sciences Addition 4:00 p.m.

JOHN RUBENSTEIN, Genetic control of forebrain patterning and

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differentiation. Center for Neuroscience, 1544 Newton Court, Davis When: 4:00 p.m.

GSA HAPPY HOUR

5:30-7:00 pm @ The Graduate
free food and drinks

Friday, December 11

LAST DAY TO PAY REG. FEES

STEVE ORLOFF: Integrating Research and Extension Programs: Forage Programs in Northern California 241 Hunt Hall 12:10 pm

CLARENCE RYAN, Early Events in Systemin Signaling. 194 Young 12:10 p.m.

GERSON, Current Studies and Observations on Human Relaxin Foster Room (1138 Meyer Hall) 12:00 - 1:00 p.m.

ARLENE ALVARADO, The role of plants for ectoparasite control in the dusky-footed woodrat. 1022 Life Sciences Addition, 12:10 pm

Monday, December 14

DAVID JACOBS, Development and Evolution: 1) Gene Trees, 2) Segments? And Limbs?, 3) Gravity Sensation 1022 Life Sciences Addition When: 4:10 pm

CONSERVATION BIO AOE FALL QUARTER MEETING 12-1 PM, 2120J Wickson. Bring your lunch!

Wednesday December 16

BILLIE SWALLA Evolution of the Chordate Body Plan Within the Deuterostomes, 1022 Life Sciences Addition 4:10 pm

Thursday December 17

JAMES LEE: Eosinophyll Effector Function During Asthma and Other Allergic Diseases: Kill Everything and Let God Sort It Out, 1022 Life Sciences Addition 4:00 p.m.

EARL MILLER, Prefrontal cortex and the neural basis of executive functions. Center for Neuroscience, 1544 Newton Court, Davis 4:00 p.m.

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Tuesday, January 27

LOU BOTSFORD: Population Viability of Salmon 2-3:00 in 2120J Wickson Hall

Wednesday, January 28

BRIAN HELMUTH: Thermal Biology of the Rocky Intertidal: What Can Physics Tell us About Ecology? 1022 Life Sciences Addition 12:10 pm

DANIEL HARE: Chemical ecology of a classical biological control interaction 122 Briggs Hall 4:10-5:00 p.m.

PRINCE DUGBA: Temperature-Phased Anaerobic Sequencing Batch Treatment of Dairy Wastewater 2045 Bainer Hall 4:00 p.m.

Thursday, January 29

PAUL MASK: TBA (precision farming?) 12:10 in 241 Hunt Hall

GAIL MARTIN: FGF Gene Function in Vertebrate Gastrulation, Brain and Limb Development 1022 Life Sciences Addition 4:00 p.m.

KATHLEEN MATHEWS: Changes in fish distributions in high elevation lakes in the Sierra Nevada, California: impacts on native biota, species at risk, and potential for restoration 2 Wellman Hall 4:10-5:30 p.m.

RICHARD ZEMEL: Moving Targets: Interpreting population responses in area MT Center for Neuroscience, 1544 Newton Court 4:00 p.m.

MAYA TATINENI: Exploring the Implications of Behavioral assumptions Engineering Unit II Building, Room 1065 12 pm - 1 pm

Friday, January 30

deadline for TA applications for Plant Biology

CRAIG PIKAARD: Nucleolar dominance: epigenetic silencing of RNA polymerase I transcription on a multi-megabase scale 1150 Hart Hall 12:10 p.m.

WALTER BOYCE: Mountain lions and bighorn sheep: collision course or coexistence? 1022 LSA 12:10 pm

Wednesday, January 6

Charles R. Goldman, Ecosystem Management 2-3:00 in 2120J Wickson Hall

FELISA SMITH, The Response of Mammalian Body Size to Past, Present, and Future Climatic Change. 1022 Life Sciences Addition 12:10 p.m.

Friday, January 8

SASHA MADRONICH: Stratospheric ozone and ultraviolet radiation at the earth's surface, 2 Wellman Hall 4:10-5:30 p.m.

JAMES O'REILLY, General Principles of the Evolution of Movement: Insights from Lower Vertebrates 1022 Life Sciences Addition 12:10 p.m.

AJIT VARKI, Sialic Acids as Ligands for Recognition Phenomena: Mechanistic and Evolutionary Considerations 1022 Life Sciences Addition 4:00 p.m.

Friday, January 9

GEORGE LOSEY: Evolution of cleaning symbiosis: from parasitism to mutualism. 1022 LSA. 12:10 pm

Monday, January 12

ZOE EPPLEY: Thermal Biology and Evolution of Avian Post-Natal Development 1022 Life Sciences Addition 12:10 p.m.

Wednesday, January 14

PETER WAINWRIGHT: Evolution of Organismal Design: Origins of Diversity in Fish Skull Functional Morphology. 1022 Life Sciences Addition 12:10 pm

LOY VOLKMAN: Baculovirus pathogenesis in insects and insect cells 122 Briggs Hall 4:10-5:00 pm

Thursday, January 15

ROBERT DESIMONE, Attentional control of visual processing in monkey visual cortex, Center for Neuroscience, 1544 Newton Court 4:00 p.m.

SUSAN LINDQUIST: Mad Cows and PSI-chotic yeast: the expansion of the prion hypothesis 1022 Life Sciences Addition 4:00 p.m.

ANNE PUSEY: Cooperation and conflict in mammals, 2 Wellman Hall 4:10-5:30 p.m.

Friday, January 16

VALERIE WILLIAMSON: The nematode-resistance gene Mi of tomato and its relationship to aphid resistance 1150 Hart Hall 12:10 p.m.

RAY COPPINGER: Symbiotic relationships between dogs and people 1022 LSA, 12:10 pm

Tuesday, January 20

ELISKA REJMANKOVA, Tropical wetland nutrient cycling 2-3:00 in 2120J Wickson Hall

Thursday, January 21

GEORGE KENNEDY: Tomatoes, trichomes, pests and parasitoids: a case study in ecological complexity with implications for pest management 122 Briggs Hall 4:10-5:00 p.m.

ALAN BUCKPITT: Pulmonary Metabolism and Toxicity, 147 Olsen Hall 4:00 - 5:00 pm

CHOO HONG BONG: A model system to study sexual differentiation in plants, Griffithsia. 1022 LSA 4:10

Friday, January 22

ANTHONY GLASS: Inorganic nitrogen uptake by plant roots: from ion fluxes to gene regulation 12:10 in 241 Hunt Hall

ROBERT: Activating Nuclear Receptors 1022 Life Sciences Addition 4:00 p.m.

KAUSTUV ROY: Latitudinal diversity gradient in marine mollusks: patterns and processes. 2 Wellman Hall 4:10-5:30 p.m.

READ MONTAGUE: Neural substrates of prediction and reward Center for Neuroscience 1544 Newton Court 4:00 pm

PRINCE DUGBA: Temperature-Phased Anaerobic Sequencing Batch Treatment of Dairy Wastewater 2045 Bainer Hall 4:00 p.m.

WINTER ECOLOGY CLASSES

ECL 222 (a new class), Dr. Stephen B. Brush, MW 2:10-4:00 1038 Wickson Hall CRN is 80157. The course will have two themes: the human ecology of biological diversity in agriculture and on management of common-pool resources. Indigenous knowledge systems, theories of genetic diversity and erosion, conservation, and privatization will be covered.

ECL 290 Scientific Controversies in Environmental Policy, or "So you think your excellent analysis will carry the day" Seminar leaders: Paul Craig and Sy Schwartz CRN: 59143. We'll examine several high profile scientific controversies in the field of environmental policy and the dynamics of such controversies, for example, what happens when you try to speak truth to power and power is opposed to the conclusions of your excellent scientific work. We intend to use all or part of several fine books on the subject, including case studies of the Love Canal controversy and the 40 year controversy over fluoridation of municipal water supplies. Guest speakers and the seminar leaders will present material based on their involvement in current controversies over low-level radioactive waste disposal (Ward Valley), high-level rad waste disposal (Yucca Mountain), and waste incineration. We also intend to invite whistle-blowers who have been harassed or fired for taking principled stands, and representatives of groups that advocate for whistle blowers. Our practical objective for this seminar is to increase your awareness of the political world in which you will be practicing applied science or policy analysis, a world in which there are risks of nasty responses to your good works. Principal sources of readings: Brian Martin, *Scientific Knowledge in Controversy*. (Albany, NY: State Univ. of New York Press, 1991). Allan Mazur, *A Hazardous Inquiry: The Rashomon Effect at Love Canal*. (Cambridge: Harvard Univ. Press, 1998). Allan Mazur, *The Dynamics of Technical Controversy*. (Washington, D.C.: Communications Press, Inc., 1981).

ECL 290 (Endangered Species Recovery Planning), 2 units, Mark Schwartz, Organizational meeting: Friday, January 9, 2:00-3:30PM, 2120J Wickson Hall. Proposed meeting time: Fridays 2-3:30; 2120J. CRN 59129. Recovery Plans, as required by the Endangered Species Act, have been the subject of recent criticism and review (including one by Foin et al. - *BioScience* 1998). The Society for Conservation Biology, in conjunction with the US Fish and Wildlife Service and NCEAS, is currently sponsoring a review of Endangered Species Recovery Plans. The process for this project will be to use a reviews conducted within graduate courses at ~10 universities. Mark Schwartz will host an ECL 290 for winter quarter to participate in this program. (Although Susan Harrison is on sabbatical leave, and will be gone for a portion of winter quarter, she has agreed to participate in the project as much as she can). We will read and review approximately 15 published

recovery plans. The course will begin with a brief overview of the Recovery Planning Process and an outline of the objectives of our review. The class will then launch into our reviews of individual Recovery Plans. The intent is to have participants take the lead on the review of one recovery plan, lead the discussion and focus the review for that species. The class will meet twice per week (or for 2 hours once per week) for the latter portion of the quarter in order to complete the reviews. This should be a great opportunity to participate in an endeavor that has the attention of the critical parties in order to facilitate improvements in the Recovery Planning Process. Please e-mail Mark if you are interested in participating.

ASE 190/IAD 290 (the Alternatives in Agriculture seminar series), Mark Van Horn, Moved to Mondays 4:10 to 6:00 194 Young Hall, CRN is 67566, Title: Production Agriculture & Wildlife Conservation: Practical Approaches, Successes & Challenges. This year (ASE 190/IAD 290) is teaming up with the Wildlife, Fisheries & Conservation Biology seminar for a series of presentations to focus on efforts to develop and manage farming systems in ways that maintain and enhance farm productivity and profitability while promoting wildlife conservation. Emphasis will be on practical aspects and successful programs. Invited guest speakers include farmers, ranchers, farm advisors, researchers, and representatives of governmental agencies and non-profit organizations. Specific topics will include: constructed wetlands and tailwater ponds, buffer strips, roadside and field margin vegetation management, enhancement of biological control, Holistic Resource Management (HRM), and Biologically Integrated Orchard Systems (BIOS). The course is designed to provide practical and useful information to agriculture, wildlife, conservation biology and ecology students as well as plenty of time for student discussion. Ecology grad students are more than welcome to participate. IAD 290 is a one unit Pass/No Pass course. For more information, contact Mark Van Horn: 752-7645 or mxvanhorn@ucdavis.edu

AGR 298 (Agronomy/Agroecology Seminars) Fridays at 12:10 in 241 Hunt Hall. A videotape of each talk will be shown the following Monday at 4:10 in 139 Hunt, so you can still sign up for credit even if you have a time conflict with the "live" seminar. CRN 51030 Letter grading will be based on participation and a short paper. You will need to attend the class and not the videotape portion in order to participate for credit.

ECL 296 (Aquatic Seminar Series) Dr. Charles Goldman and Dr. David Hinton. Various campus researchers will talk about their innovative and exciting studies. The talks will be held from 2-3:00 in 2120J Wickson Hall starting on Jan 6. The CRN is soon to follow

EGSA November meeting info:

By: MARK MEYER

I. Positions that desperately need to be filled:

1. Cookie volunteer for the ECL296 Ecology & Evolution seminar – We need someone to bring cookies to the Thursday afternoon seminar for Winter and Spring quarters (cookie coordinator will be reimbursed for cookie costs).
2. T-shirt coordinator – Ryan Mayfield has declined his T-shirt nomination, so now we need someone to help coordinate the design and production of Ecology Grad Group T-shirts this year. However, if no one volunteers, we won't have T-shirts this year. It's that simple. Contact Marc Meyer (mdmeyer@ucdavis.edu) if you are interested in either of these two positions.

II. AOE restructuring/revitalizing

1. Curriculum improvement – We discussed issues of coursework improvement with the various AOE's of the Ecology Grad Group. Some ideas discussed include:
 - a. Standardizing coursework requirements across the various AOE's - In other words, should some AOE's decrease their course requirements in order to avoid an emigration of students to other AOE's with fewer coursework requirements? Also, is this purely an individual AOE issue or should it be dealt with by the group as a whole? Opinions seemed mixed on this issue, but the consensus was that coursework be decided by the individual AOE's, and a strict standardization across all AOE's would be problematic.
 - b. Requesting certain courses be taught that are in high demand by Ecology Grad students - This includes existing Ecology courses (such as Landscape Ecology) that have not been taught in a while or non-existent courses (such as an Experimental design or biostatistics course geared toward Ecology students). Several courses were suggested but a general consensus was not reached.
 - c. Creation of a 'suggested list of classes' - It was pointed out that there is such a diverse array of graduate courses taught on campus (and even some on other campuses) that often it is difficult to discern what these courses (specifically non-Ecology courses) are about and how relevant they are to the field of ecology (it is often difficult to determine this by perusing the schedule of classes). Often we learn about these courses by word of mouth, but this is not necessarily the most efficient way to spread info. The suggestion was made to compile a list of courses that Ecology students take to either fulfill certain coursework requirements, or to increase knowledge about a particular topic. Such a list could also be supplemented with specific comments about the relevance of the course to the field of ecology, the instructor's teaching

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style, or other information. Contact Zeb Hogan (zshogan@ucdavis.edu) if you are interested in contributing to this list.

2. AOE restructuring - Some AOE's (e.g. Ecosystem & Landscape AOE with Integrative AOE) have discussed the possibility of merging given the similarity in interests and the greater solidarity produced following such a joining. Along these lines, some AOE's have discussed forming joint seminars to share perspectives on a issue or topic of mutual interest.
3. Increasing faculty involvement within AOE's – We briefly discussed how to accomplish this through faculty incentives and other ideas.

III. Odyssey/Retreat merging – It is official. The coordinator positions for the Ecology annual retreat and the Odyssey orientation trip will now merge into one committee. This way, the burden of organizing these fantastic outings will not have to fall upon the shoulders of a single person. Both trips will now be organized by a Odyssey/Retreat super-committee headed by Shana Strongin (Odyssey trip committee chair) and Dorrie Panayotou (the Ecology Retreat coordinator). If you are interested in participating in the organization of these trips, please contact Shana (swstrongin@ucdavis.edu) or Dorrie (dypanayotou@ucdavis.edu).

IV. To be continued... Many of the AOE and coursework issues discussed during the November meeting are still unresolved. At the next meeting, we will discuss: (1) What Ecology courses (existing or non-existing) should we solicit faculty to teach, (2) How to institute an AOE evaluation process to ensure that each AOE, regardless of size, is effective for students, (3) How to increase attention regarding mentorship issues, and (4) Student expectations of the Ecology Graduate Group Chair, plus several new issues that didn't arise during the November meeting. Please come and share your opinions and ideas on **Wednesday, December 2 at 5:30 pm in 2120J Wickson Hall**. Free pizza will be provided to those with an appetite.

ECOLOGY SOCCER

By MARK MEYER

Last week, the Ecology soccer team Un Poco Loco, undefeated during the regular season, lost its first playoff game to 29 Hogs in a shootout match in the Co-ed IM soccer playoff tournament. The game was tied 0 – 0 and went past both forty minutes of action-packed regular play and ten minutes of sudden death overtime into shootouts. Both teams had to play under grueling wind and rain conditions that was all too reminiscent of last year's El Nino.

"We kicked their butts offensively, but they were a strong team defensively," stated Josh Meidav, Un Poco Loco's powerhouse center halfback.

"We should have wrapped all 29 hogs up like pigs-in-a-blanket. They were lucky," commented Zeb Hogan, the Un Poco Loco rocket-fast right forward.

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"Did someone say pigs-in-a-blanket? I can sure go for a big, greasy breakfast right now!" exclaimed Sudeep Chandra, Un Poco Loco's unstoppable and unsatiated left fullback.

Un Poco Loco played an excellent season and is looking forward to playing Co-ed IM soccer in the Spring quarter. In

GRANT DEADLINES ON THE HORIZON

THE CONSORTIUM FOR WOMEN & RESEARCH

GRADUATE TRAVEL AWARD Twice a year, spring and fall. The competitive awards are designed to encourage networking between UC Davis graduate students and junior and senior scholars from other universities. The Fall Graduate Travel Awards Program provides funds to graduate students in any field. The funds are for travel to professional conferences to present the results of original research and to complete a professional networking plan. The recommendation of a sponsoring member of the faculty or Academic Federation is required. Important criteria for an award are feasibility and sophistication of the networking proposal. (Example proposals are located in the OES/Consortium library at 171 Kerr Hall.) Applications with program details are available at each Graduate Group Program office. For further information contact: Consortium for Women and Research, 168 Kerr Hall, 754-8851. **Deadline: 12:00 noon, Friday, December 11, 1998**

SWITZER FELLOWSHIP For more information call 415-733-8500 or <http://www.sff.org>. Nominations for Switzer Fellowship are due **December 11, 1998**.

ASM/AAAS Mass Media Science and Engineering Fellows Program - designed to strengthen the relationship between science and technology and the media. For more information: <http://www.asmtusa.org/pcsrc/medfel.htm>. **Deadline January 15, 1999**

1999-2000 AAAS FELLOWSHIPS FOR SCIENTISTS AND ENGINEERS, to help shape science and technology policy in Washington, DC. **Deadline January 15, 1999**. For more information contact: 202-326-6700 or science_policy@aaas.org.

FELLOWSHIPS FOR GRADUATE ENVIRONMENTAL STUDY U.S. Environmental Protection Agency (EPA) <http://es.epa.gov/ncerqa/elists.html> Closing Date: November 10, 1998 (Although this announcement closes on Nov. 10, EPA has additional announcements for fellowships under the Culturally Diverse Academic Institutions (CDAI) Fellowship which will close during the **second week in January 1999**. See <http://es.epa.gov/ncerqa/rfa/>.) Electronic subscriptions for automated updates are available by completing the form at <http://es.epa.gov/ncerqa/elists.html>

Department of Defense National Defense Science and Engineering graduate fellowship program for 1999-2000.

the meantime, pick-up games have continued every Tuesday and Thursday at 4 pm 'til dark over by the bleachers on Russell IM field (North of the tennis courts). All Ecology students are welcome to come and play.

Sponsored by the US Army, Navy and Air Force. Several research topics related to Ecology are an option, such as: Biosciences (includes toxicology); Geosciences (includes terrain, water and air); Oceanography. For more information or application materials: ndseg@aro-emh1.army.mil OR <http://www.battelle.org/ndseg> **Deadline: January 20, 1999.**

TEACHING ASSISTANT TRAINING PROGRAM GRANT PROPOSAL APPLICATIONS are available for departments and graduate programs - If awarded, these funds can be used to: develop a TA training program specific to Ecology; orientations, workshops or training retreats for first-time or continuing TA's can be established; develop professional development programs or activities focused on teaching; develop a course on teaching; bring in speakers to present materials on teaching; subscribe to journals that cover teaching within Ecology; travel to teaching-related conferences or workshops. Silvia has a copy of the guidelines and proposal coversheet and would also be willing to assist with a proposal or information gathering if my assistance could be limited to time prior to the admissions & fellowship process. **Deadline: January 29, 1998.**

GRANTS AND FELLOWSHIPS FOR RESEARCH ON TOXICS: The UC Toxic Substances Research & Teaching Program (UC TSR&TP) announces the availability of investigator-initiated research grants and graduate student fellowships in the biological, physical, engineering, or social sciences relevant to problems of toxic substances in California. Intercampus Travel Grants for 1998-99 are also available for graduate students and postdoctoral researchers. For further information and the full versions of the RFPs, please visit our web site (http://tsrtp.ucdavis.edu/tsrtp/funded_projects/) or contact Mika Pringle Tolson, UC TSR&TP Program Coordinator at (530) 752-2097, email: mptolson@ucdavis.edu **DEADLINE: Proposals must be received by 5:00pm on January 29th, 1999.** Intercampus Travel Grants: To provide travel funds for graduate students and postdocs to initiate UC intercampus collaborations with individual researchers or with existing or potential research groups on projects related to UC TSR&TP goals. (details at http://tsrtp.ucdavis.edu/tsrtp/funded_projects/). **DEADLINE: Proposals will be accepted anytime throughout the 98-99 academic year.**

UC HUMANITIES RESEARCH INSTITUTE has sent out a call for grad student and postdoctoral fellowships. Call 949-824-8177 or email UCHRI@uci.edu for details. **Deadline 2-1-99**

FELLOWSHIPS IN THE ROCKIES. For more information call 800-816-7662. **Deadline February 1, 1999.**

BANCROFT LIBRARY STUDY AWARDS for 1999-2000 for students who are engaged in research on a subject whose source

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materials are available in this library and are beyond their first year of study. Applications may be obtained from any UC Campus Graduate Fellowship and Appointments Office.
Deadline: February 5, 1999.

1999 USRA/GSFC graduate student summer program in Earth System Science. For more information:

<http://www.usra.edu/gssp>.

Deadline to apply is February 10, 1999.

INITIATIVE FOR MINORITY STUDENT DEVELOPMENT

FELLOWSHIPS. The University of California, Davis -- home to the largest number of biologists on a single campus in North America -- is proud to offer support to outstanding minority graduate students entering doctoral programs in the life sciences through the National Institutes of Health-Initiative for Minority Student Development (NIH-IMSD). Each NIH-IMSD award provides \$17,000 per year for living expenses plus all tuition and student

fees and support during a summer bridge program. The award is renewable for a second year. An additional three years of support is guaranteed through a combination of research assistantships, teaching assistantships, or other forms of graduate student support, assuming satisfactory progress is made toward earning the Ph.D. degree. Thus, UC Davis offers five years of guaranteed support for graduate study. More information is available at IMSD Fellowships.

THE CALIFORNIA SEA GRANT (CSG) STATE FELLOW

PROGRAM provides nine-month fellowships to graduate students in a marine-related field in the California State Legislature or state agencies (e.g., Legislative Committee on Fisheries and Aquaculture, the Senate Natural Resources and Wildlife Committee, California Coastal Commission, etc.). Applicants should have interest in both marine science and public policy. For information call CSG staff at 619/534-4442, or Deborah McCook in the Office of Graduate Studies at 530/752-7481. **Applications are accepted year round**

1998 WELLCOME RESEARCH TRAVEL GRANTS. Grants enable established U.S. academic researchers to visit colleagues in the United Kingdom or Ireland to exchange scientific information or acquire new research techniques. Visits may last from two weeks to six months. The awards cover the basic biomedical sciences, clinical research, and medical history. (Approximately 40 awards per year; amounts vary.) Application deadline: **Applications may be submitted all year**, but they must be received 12 weeks prior to the departure date.

Peter Hodum's collection of compelling Davis seminar titles in animal science and beyond

1. Behavioral considerations in designing environments for chickens
2. What do we know about the etiology of papillomatous digital dermatitis (footwarts) in dairy cattle?
3. Mother-young interactions during nursing in domestic pigs: who is controlling the milk flow?
4. The use of dried poultry litter as feed for cattle
5. My personal favorite...Current broiler research: epidemiology of foot-pad dermatitis and evaluation of a broiler catching machine
6. And a doozy from some graduate student symposium... Deterritorialized anthro/ telemediated relationships: global topographies of human interaction, academia and political activism at the horizon of the 21st century

HAPPY HOLIDAYS