

Friends of the Herbarium

The Chico State Herbarium
California State University, Chico

Newsletter

Vol. 14 No. 1

July 2008



A Friends of the Herbarium THANK YOU to Dr. Kristina Schierenbeck

The board of directors and the membership of Friends of the Herbarium wish to extend our great appreciation to Kristina for her hard work and vast contributions toward making the Herbarium the tremendous resource it is today!

The Friends of the Herbarium (Friends) thank Dr. Kristina Schierenbeck for her years of service as Director of the Herbarium. No longer Director of the Herbarium, Dr. Schierenbeck is now concentrating on her research activities. Last November, at their Annual Meeting, the Friends honored Kristina's many years of dedicated service to the Herbarium by awarding her their annual Distinguished Service Award (see the November 2007 issue of this Newsletter for a photo of Kristina

and her award). This was an award of particularly historic significance for the Friends because the group was initially formed in 1994 in response to the Plant Taxonomy professorship vacancy – which was filled in 1998 by Dr. Schierenbeck. The award honored Kristina for her energetic and dedicated contributions to the Herbarium in her capacity as Director for almost 10 years.

From even before Kristina arrived in the summer of 1998 to assume her duties as Assistant

Thank you *continued on page 5*

SAVE THE DATE

NOVEMBER 1, 2008

Friends of the Herbarium

Annual Meeting

– details coming soon –

MESSAGE FROM THE BOARD

A number of significant changes have occurred over the past several months regarding the management of the herbarium – a change to being managed under the umbrella of the Northern California Natural History Museum, and a related change in Directorship. Please read the cover story thanking former director Kristina Schierenbeck for her important contributions to the Herbarium, and the article on page 6 introducing Greg Liggett, the new director, and presenting some background on the shift in management.

One of Dr. Schierenbeck's great contributions was in securing funding for the databasing of the collection, which recently reached the milestone announced on the back page.

Difficulties in the State budget affect the herbarium, in addition to all schools and State agencies. You can help by donating money (see page 7) or time (see the back page) to the herbarium.





Friends of the Herbarium

The **Friends of The Chico State Herbarium**, California State University, Chico, was formed to help maintain the high quality of work that has been known to be associated with the herbarium. The primary purpose of the group is to provide community support for the herbarium. This includes raising funds for items that are not covered under the University budget. Scientific and academic pursuits are the focus of the group. The Friends also offers low cost workshops and classes on various botanical topics.

The Friends of The Chico State Herbarium operates under the auspices of the California State University, Chico, and enjoys non-profit status and has access to the use of University classrooms and equipment.

Memberships are renewed on January 1 of each year.

BOARD OF DIRECTORS

Colby Boggs
Linnea Hanson
Gail Kuenster
Jenny Marr
Caroline Warren
2 empty seats

EX OFFICIO

Greg Liggett
Herbarium Director
Lawrence Janeway
Herbarium Curator
Newsletter Editor

Newsletter

Volume 14, Number 1

The Newsletter is published one to three times per year by the **Friends of The Chico State Herbarium**, California State University, Chico. Subscription is free with membership. Submissions on herbarium related topics are welcome.

www.csuchico.edu/biol/Herb/Friends.html

Accessions into CHSC during 2007

Nine years ago Vern Oswald started this annual tradition in this newsletter of summarizing all of the collections accessioned into the herbarium during the preceding year by county and collector. Here is the latest set of summaries, for 2007.

The Chico State Herbarium accessioned **2647** new collections during 2007. This compares to the following accession totals from recent years:

2000.....	2320	2003.....	1862	2005.....	2455
2001.....	2944	2004.....	4859	2006.....	2870
2002.....	1108				

We continue to owe a HUGE debt of gratitude to our volunteer mounting specialist and plant collector extraordinaire, Lowell Ahart. Aside from a few exchange sheets that came already mounted, and the bryophytes and lichens, that are accessioned into the collection in packets rather than mounted, Lowell mounted most of the specimens accessioned into the herbarium during 2007. This means that Lowell prepared about 2130 beautifully mounted specimens for the herbarium during 2007, all as a volunteer! Thank you once again, Lowell, for your continuing contribution of countless hours of invaluable time to further the goals of The Chico State Herbarium and northern California botany. In addition, during 2007 Robert Fischer mounted 234 specimens for the herbarium, mostly his own collections. Thank you Robert!

All new incoming specimens are databased before they are filed. The databasing in 2007 (and filing) was mostly done by a student assistant (Jane Hazen) and two wonderful volunteers (Susan Bazell and Cindy Weiner). Thank you!

Thanks also to all of the collectors for their time spent collecting, identifying, and making labels for all of the specimens that they contributed to the herbarium during 2007. A lot of time goes into this process and I know that most, if not all, of this time is volunteer time on the part of the collectors.

The following tables summarize the plant specimens accessioned into The Chico State Herbarium during 2007.

SUMMARY

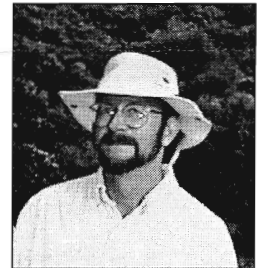
Lichens.....	60	Hornworts.....	1	Ferns.....	30
Mosses.....	194	Club mosses.....	5	Conifers.....	3
Liverworts.....	0	Horsetails.....	2	Flowering plants.....	2352

California accessions, 2355 total (counties with 16 or more):

Butte.....	619	Los Angeles.....	295	San Diego.....	48
Colusa.....	21	Nevada.....	29	Shasta.....	118
Humboldt.....	25	Placer.....	61	Siskiyou.....	89
Kern.....	22	Plumas.....	446	Tehama.....	123
Lassen.....	32	San Bernardino.....	55	Yuba.....	267

Contributions of local collectors (with 3 or more):

Lowell Ahart.....	1215	George Hartwell.....	3	Paul Maslin.....	30
Susan Bazell.....	39	Samantha Hillaire.....	8	Melissa Patterson.....	21
Barbara Castro.....	17	Lawrence Janeway ...	320	Robert Preston.....	4
Robert Fischer.....	187	Jenny Marr.....	17		



Lawrence Janeway,
Herbarium Curator

—LJ

A History of *Juncus cyperoides* in California

by Lowell Ahart

On 7 July 1981 I stopped along Black Bart Road thinking about collecting some plants. Bob and Warren Daley drove by and I waved; they own the property in this area. There is a nice seep on the east side of the road and I decided I needed to make some collections there. At this time I was collecting material in the Sierra Nevada for John Thomas Howell at the California Academy of Sciences (CAS) in San Francisco. Mr. Howell was preparing a flora of the Sierra Nevada and desired new collections. He said that although CAS had almost two million collections, they were greatly studied and often had poor label data. What he needed was new collections with better label information. So I started making collections to be helpful. The seep along the road had been disturbed by the Butte County road workers. They had used a backhoe to make the road gutter deeper to drain the water from the seep to a culvert. I collected 10 different plants, including a rush on the disturbed area, and put them in my press.

Later I went home and identified and recorded in my plant journal what I had collected. When I got to the rush it did not key well in my A California Flora by Philip Munz. The best I could get to was *Juncus covillei*. I sent material to Tom Howell. He did not know what it was either and showed it to Gordon True (True shared an office with Howell at the Academy and was author of The Fern and Seed Plants of Nevada County, California). True thought the rush had been sprayed with an herbicide and this had caused the "odd" growth form, but what species it was remained a question. Howell wrote to

me telling me about the plants perhaps being sprayed and to go back and make more collections (this letter from Howell is in the Herbarium library at U.C. Berkeley). I did more collecting but still had an unknown plant.

In the spring of 1982 James (Jim) Jokerst and I were walking down the hall in Holt Hall on the



Lowell Ahart (right) and John Dittes in the herbarium looking over Lowell's recent collections of *Juncus cyperoides*, 29 Feb. 2008. Photo by Lawrence Janeway.

Chico State campus. Jim asked me if I knew of any "plant projects" (problems) that he could work on and write an article for publication. I told Jim about the "odd" *Juncus* along Black Bart Road. Jim was interested and later in the year we went to Black Bart Road to see the rush. Collections in the Chico State Herbarium are:

Ahart 2925, 7 July 1981.

Ahart 2999, 24 July 1981.

Ahart 3058, 31 August 1981,

annotated *Juncus cyperoides* by J. D. Jokerst, 18 May 1983.

Ahart 3527, 1 June 1982.

Oswald & Ahart 1837, 15 June 1985, cited in Oswald's 2002 Selected Plants.

Jim Jokerst went to the California Academy of Sciences in San Francisco and by using Flora of Ecuador was able to identify the rush. See the article A New *Juncus* from Chile by James Jokerst in Fremontia (1986, vol. 14, pages 22-23) for more about Jim's adventure.

Vern Oswald in 1994, in his Manual of the Vascular Plants of

Butte County, California, wrote "*Juncus cyperoides* Laharpe - Sedge-like Rush. A rush from the Andes of South America that was discovered by Lowell Ahart in 1981 on a springy bank along Black Bart Road near Oroville-Forbestown Highway (T19N R6E Sec. 18), the only known population in North America (Madroño 32:191. 1985) 2200 feet, Yellow Pine Forest."

I have revisited the location along Black Bart Road for the last ten years have not been able to find this rush again.

In September 2003 Linnea Hanson, Plumas National Forest botanist, kindly sent me a

copy of Plumas County and Plumas National Forest Flora, 2003 Draft by Glenn Clifton. I looked through the flora and discovered that Glenn had collected *Juncus cyperoides* in Hampshire Creek Meadow, which is about one mile east of Clipper Mills, in Yuba County.

About the same time, much to my surprise, I had a collection of *Juncus cyperoides* from Hampshire Creek Meadow to mount (since 1991 I have been mounting almost all of the plant collections that come into the Chico State Herbarium). The label, apparently made by Lawrence Janeway, our curator, said:

Juncus cyperoides Laharpe

T19N, R7E, SW¼ of NE¼ of sec. 1

Juncus continued on page 4

Continued from page 5

Juncus

East of forest road 20N25 in man-made wet meadow/marsh. One location supporting 10 – 15 individuals along the eastern most channel of Hampshire Creek in barren mud at the water's edge.

[Coll.:] Virginia Dains 30 July 1996

On 23 October 2006, with this information about two recent collections, I decided to go to Clipper Mills and see if I could find the meadow and *Juncus cyperoides*. I took the right road at Clipper Mills, following the Forest Service map, but soon came to an open gate. The signs said NO TRESPASSING! I decided to try another day, perhaps another way.

On 16 January 2007 I received a letter from Barbara Ertter, Collections Manager and Curator of Western North American Flora at U.C. Berkeley. She informed me that Peter Zika would be doing the *Juncus* revision for *The Jepson Manual* 2nd edition and I would be hearing from him soon. There are several problems in the rushes and she had too much to do, so Peter kindly agreed to do the rushes. Would I please collect rushes for her and for him.

On 3 May 2007 Peter Zika wrote me and requested material of several rushes. He told me that he would soon be traveling to Redding to meet Carol Witham. She had discovered an "odd" form of *Juncus triformis* that they were going to write up as a new species. Peter also was going to visit the U.C. Berkeley Herbarium and he wanted to meet me. On 22 May 2007 I went to Big Bald Rock to collect *Juncus triformis* and other rushes for Peter. I only know *Juncus triformis* from two locations in this general area. From Big Bald Rock I collected *Juncus triformis* (Ahart 13,896 – 6 sheets of material: one mounted and one unmounted for the Chico State herbarium (CHSC), 2 unmounted for Berkeley (JEPS), and

2 unmounted for Peter Zika), *Juncus bufonius* var. *bufonius* (Ahart 13,897), and *Juncus occidentalis* (Ahart 13,898). Then I drove over to Little Bald Rock. I have never really collected there, for I thought it was private property. I remembered being in the area many years ago with Linnea Hanson. We were looking for rare plants because the Forest Service was going to build a new road. There was an open granite area that was too far north for our survey, and so we did not investigate it. I remembered the open area and that it was on the northeast side of Little Bald Rock. Since that is the sort of place to find *Juncus triformis* I decided to go east from the road, out into the forest, to see if I could find the open area and perhaps find a new location for it (I do not really care to re-collect in areas where I have been before, except for researchers that need new or more material). I went out to the east and in 200 yards came to a large open area, perhaps 3-4 acres. At the eastern-most part of the opening I found a small area with *Juncus triformis*. All right!!! Then I got busy collecting lichens for a lichen person in Santa Barbara, mostly from the granite rocks. It takes time to do a good job, for the rock is often very solid. I meandered around a little looking for plants to collect and saw a *Carex* by a small granite rock. "That looks familiar" I thought, and then realized it is the undescribed *Carex* that Lawrence Janeway is interested in (it keys to *Carex mendocinensis*). All right!!! At this time the sedge plants were generally immature, so I knew I would have to return and collect again for ripe seeds.

On 5 June 2007 I went to the Chico State Herbarium to make an exchange (meaning that I brought mounted plants for the herbarium and picked up unmounted plant specimens to take home and mount) and met Peter Zika. We had a long

discussion on rushes and I asked if he was interested in *Juncus cyperoides*. "Yes! Indeed!" – he very much wanted material from the one or two locations known from the whole continent of North America!!! I thought "OK, but that is not going to be very easy since where I first collected it I can no longer find it and the second location I only vaguely know where." It was too early in the year to work on this problem, but was something to keep in the back of my mind.

On 12 June 2007, I returned to the same open area east of Little Bald Rock and found older *Juncus triformis* (Ahart 14,070). Peter Zika wants plants with mature seed. On looking around I found some tiny *Bulbostylis capillaris* (Ahart 14,073). I took pictures of the undescribed *Carex* for Lawrence.

Lawrence Janeway is working on this undescribed *Carex*. Since this was a new location I knew he would be interested in seeing the plants. I sent him a letter telling about the new find. Lawrence works part time for the Plumas National Forest and Linnea Hanson was their District Botanist; we arranged to visit the *Carex* near Little Bald Rock together. On 10 July 2007 we went to the area east of Little Bald Rock. Lawrence took samples of the sedge while I collected other plants.

From Glenn Clifton's flora, the 2003 draft sent to me by Linnea Hanson, I found that the undescribed *Carex* had been collected by someone at Hampshire Creek Meadow. I asked Lawrence "did you know that the *Carex* has been found at Hampshire Creek Meadow?" – he did not know this. And so the three of us planned a trip to the meadow.

On 13 July 2007 we drove to Clipper Mills. We took the same road I had tried the year before. With a map and a hand-held GPS Law-

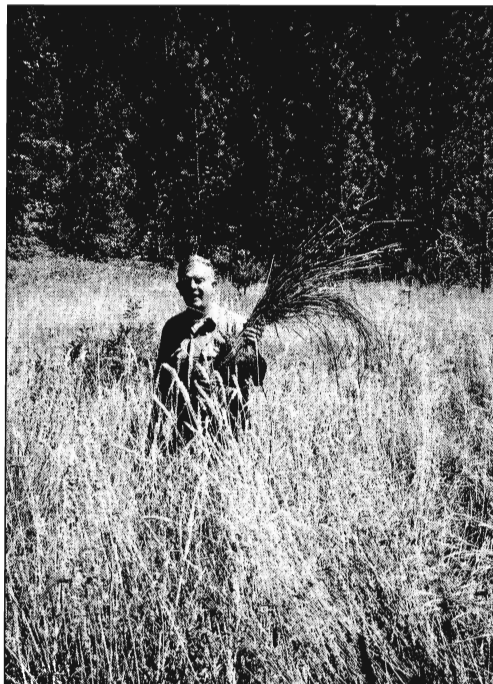
Juncus continued on page 5

Continued from page 4

Juncus

rence guided us to Hampshire Creek Meadow. Wow!!! The road cuts through the meadow. We stopped and started looking in the eastern part of the meadow. We had hardly gotten started when sharp-eyed Lawrence started yelling to let us know that he had found the *Carex*. All right!!! Since we were at Hampshire Creek Meadow we then began looking for *Juncus cyperoides*. We spent considerable time looking but were unsuccessful.

On 7 August 2007 I returned alone to Hampshire Creek Meadow. I went north from the road and found an "odd" *Juncus* (Ahart 14,414). Barbara Ertter and Peter Zika later identified plants sent to them as *Juncus laccatus*. This species is new to me, for it is not found in The Jepson Manual. It must have been newly described. This is probably a new species for Yuba County. Going farther north the meadow gets boggy and I did not want to get my feet wet. Therefore, I went up the road and then west out into the forest. In about 100 yards I worked my way back into the meadow. There was a steep bank and I slid down rather poorly and dropped my press. On gathering



Lowell Ahart with handful of *Juncus* in a meadow near Hampshire Creek Meadow, 13 July 2007. Photo by Linnea Hanson.

myself up I reached for my press and discovered I was standing on *Juncus cyperoides*. All Right!!! I collected some (Ahart 14,420) and on looking around saw a single clump of the undescribed *Carex* (Ahart 14,419). I spent the rest of the day looking around in the meadow but found no more colonies of the *Carex* or the

Juncus. About 200 yards south of the road and across the meadow and in a small flat I found a *Galium* with showy white flowers. This turned out to be *Galium molugo*. This is another new species for Yuba County. All Right!!!

On 18 September 2007 Lawrence, Linnea and I returned to Hampshire Creek Meadow. I showed them the "odd" rush (*Juncus laccatus*), the colony of *Juncus cyperoides* (Ahart, Janeway, & Hanson 14,496), and the undescribed *Carex*. Other Forest Service folks arrived to discuss problems with the road going through the meadow, and I went off to collect more plants. I found another large colony of *Juncus cyperoides* (Ahart, Janeway, & Hanson 14,498). Later, when we were back by ourselves, we found another colony of *Juncus cyperoides* on the south side of the

meadow. This last colony was not vouchered and is therefore actually a rumor, although Lawrence did GPS the location.

Barbara Ertter and Peter Zika were both very pleased to get new material of *Juncus cyperoides* and it is nice to know that it is doing well at Hampshire Creek Meadow. All Right!!!

Continued from page 1

Thank you

Professor in plant systematics and evolution, she had enthusiastic and very specific ideas for supporting and improving the Herbarium. Prior to her arrival in Chico with her family, in a June 1998 note to the then-volunteer curator (Lawrence Janeway), she was already focused on "computerizing the herbarium and setting up a connection with the Jepson Herbarium."

Kristina became Director of the Herbarium following the late Kingsley Stern's 30 years as Director. Dr. Stern brought the

Herbarium from 2,800 specimens in the Vesta Holt era in the early 1950s to 71,000 specimens in 1998. Ten years later, the Herbarium now has more than 98,000 specimens! However, Kristina's nearly ten years of service as Director brought much more than growth in accessions. Once Kristina arrived, she almost immediately began the following major efforts to bring the Herbarium into its current modern, cutting-edge status:

1. Obtained a three year grant from the National Science Foundation (NSF) to support the staffing, computer resources, and all other

aspects of entering specimen label information into a computer database. This database eventually became connected to that of the Jepson Herbarium and now to the Consortium of California Herbaria. This included the first-ever funding for a half-time Curator in the herbarium.

2. Following the three year grant lobbied for, and achieved each year, funding for a half-time Curator, emphasizing the importance of consistent curatorial support for the Herbarium.

3. Put the Herbarium "on the map"

Thank you continued on page 6

The Chico State Herbarium and the Northern California Natural History Museum

by Greg Liggett, Herbarium Director

Museum collections serve an irreplaceable function for society – as the database of life. Of the natural history collections at Chico State, the Herbarium is one of the most active in its service to society, and is consistently growing, participating in research projects, and being used in comparative botanical studies.

As you can read in the story recognizing the accomplishments within the Herbarium by the former director, Kristina Schierenbeck, I have a tough act to follow. As the new Director, I am honored and excited to now be leading the Chico State Herbarium, along with all the collections within the College of Natural Sciences, under the umbrella of the Northern California Natural History Museum (NCNHM). I see a bright future for collections and collection-based research at Chico State.

I came to Chico State from the Sternberg Museum of Natural History at Fort Hays State University, another museum with a strong Herbarium. I was Assistant Director there for many years, but I was enticed to Chico by the NCNHM project – a collaboration between the

University and a group of dedicated community leaders who wish to expand science education opportunities in the region.

Over the last three years we have made tremendous progress toward the goal of having a new museum, including completing the fundraising for the building project, selecting a design/build team, finalizing the building design, and celebrating our groundbreaking. The building will be a public facility in which to share the wonders of the natural world and the accomplishments of faculty and students




Greg Liggett, Herbarium Director

working on cutting-edge research. We continue our efforts to raise money for the museum's many initiatives, including exhibits, educational programs, and collection improvements. I am eager to visit with anyone who would like to learn more about leaving a significant legacy in the community through any of these programs.

The reorganization within the College of Natural Sciences, which

merged all the outstanding collections under the NCNHM, was a logical step in the process of establishing a world-class museum at Chico, and the move benefits all. Together we will be able to better serve all of the many stakeholders, including expanding our educational services, our research and collection efforts, and our service to society. This consolidation puts us in a better position to provide more stable long-term funding for all of the collections, including the herbarium.

There was a recent example in the media of the value of museum collections to society. Researchers at UC Berkeley examined the distribution and habitat limitations for native California plants, based on herbarium specimen data from most of the California herbaria, including all of the records in our Herbarium collection, and then projected the potential changes in distributions based upon climate change models. Their results suggest that we will see big changes, perhaps even species extinctions, as a result of climate change.

Museum collections represent the database of life, past and present. Only through these collections, and continued exploration, will we be able to assess our changing natural world. The Herbarium, and all the collections at Chico State, will continue to grow and play this important role for society. 

Continued from page 5

Thank you

as her academic base during her two-year tenure as the Editor for California Botanical Society's journal *Madroño* beginning soon after her arrival in 1998.

4. Helped bring the Herbarium into the world of modern biological sciences by association, with her active involvement in the study of

plant evolutionary relationships

invasive species, and plant molecular (DNA) work, including fostering the development of many graduate students as presenters at professional botanical meetings (e.g., California Botanical Society, Botany 2006).

5. Brought major scientific societies to Chico State, and by extension to the Herbarium, through her sponsoring the annual meetings of

the Evolution Society in 2003 and

Cal-IPC in 2005. This culminated in Chico State and the Herbarium hosting Botany 2006 for the Botanical Society of America, American Society of Plant Taxonomists, American Fern Society, and American Bryological and Lichenological Society. None of this would have occurred without

Thank you continued on page 7

Continued from page 6

Thank you

Kristina's energy and drive on behalf of botanical studies.

6. Provided input and direction in final stages of the major expansion and remodeling of the Herbarium into Room 129.

7. Brought in many work-study and other student assistants to help in data entry and other essential herbarium support work.

8. Lobbied vigorously for increased funding for the Herbarium from various sources.

At least two major goals for the Herbarium that Kristina brought with her 10 years ago have been met:

1. This year saw the entry of specimen label data into the database reach 84,000 specimens – out of a current total of 98,000 specimens – including the last of the collections, except for slime molds, that were

Contributions in honor of Dr. Kingsley Stern
1927-2006

After the passing of Dr. Stern on October 26, 2006, the following individuals made donations in his memory to the Friends of the Herbarium. We apologize for the late recognition of these generous contributions in honor of Dr. Stern. For more information about Dr. Stern and his legacy see the October 2006 Newsletter.

Jim Bidlack, Edmond, OK	Eloise McLeland, Prescott, AZ
Rod Bungay, Morro Bay	M. Jeanne Pease, Chico
John Copeland, Chico	Janet Stern, Chico
Robin Fallscheer, Redding	Mary S. Taylor, Fresno

already in the collection when databasing started.

2. In 2003 the Herbarium database was connected to the Jepson Herbarium database, which later enlarged to become the Consortium of California Herbaria. The Chico State Herbarium is one of only three CSU campuses included with the six UC campuses and other California

institutions participating in the Consortium.

Establishment of stable funding for the Herbarium is still a work in progress.

NOTE: The photograph on page 1 is of Dr. Schierenbeck leading a 26 February 2008 field trip of her Plant Systematics class. Photo by Jane Hazen.



The Chico State Herbarium needs your help!

The State of California is without a budget. State programs are being cut. School budgets are hurting. We've been reading it in the news. The Chico State Herbarium is getting its share of financial difficulty. The Friends of the Herbarium are being called upon to help fund the functioning of the herbarium. You can help the Friends of the Herbarium do this by becoming a member, by renewing your membership, or by simply donating to the Friends of the Herbarium – use the form below. Or you can donate directly to the funding of herbarium activities – for more information contact Greg Liggett, the herbarium director, at 898-4121 or gliggett@csuchico.edu, or Leslie Schibsted, College of Natural Sciences Director of Advancement, at 898-4466 or llschibsted@csuchico.edu.

Yes! I would like to join, renew, or donate!

- _____ Individual..... \$35.00
- _____ Student..... \$20.00
- _____ Sustaining \$100.00
- _____ Lifetime \$1,000.00
- _____ Donation \$ _____

This is a renewal for 2008

Please make your check payable to:
“Friends of The Chico State Herbarium”

Name _____

Organization _____

Address _____

City _____

State _____ Zip Code _____

Phone no. _____

E-mail _____

Databasing milestone at The Chico State Herbarium!

The Chico State Herbarium recently completed databasing its “legacy” collections of vascular plants, bryophytes, and lichens! All specimens in these plant groups have been databased except for several long-outstanding loans and for a backlog of new incoming specimens. Databasing has not yet started for our collection of myxomycetes (slime molds -- about 12,000 specimens) and a small collection of macroalgae. The total number of specimens in the herbarium for each of these groups, all databased, is:

VASCULAR PLANTS — 62,886 California specimens, 17,865 non-California specimens

BRYOPHYTES — 1,868 California, 1,387 non-California

LICHENS — 840 California, 317 non-California

The Chico State Herbarium contribution to the Consortium of California Herbaria specimen database has been updated to include our current data – the Consortium database now has more than 970,000 records of California vascular plants. Visit The Chico State Herbarium database web page at www.csuchico.edu/biol/Herb/database.html to learn more about the databasing effort and how to access the Consortium of California Herbaria data (or simply google the appropriate phrases).

Help needed to database and file incoming specimens.

There is a considerable backlog of unprocessed new specimens, and more are arriving all the time. Lowell Ahart continues to mount all of the incoming specimens, but we need help getting them databased and filed into the collection. Two volunteers, Susan Bazell and Cindy Weiner, have been making great headway with the backlog, but much more help is needed. If you would like to volunteer to help this effort, please contact Lawrence Janeway, the herbarium curator, at 898-5381, or inquire at the herbarium on a Thursday or Friday. Thursdays and Fridays are the best days to help out since those are the regular business days at the herbarium.

ADDRESS SERVICE REQUESTED

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