



# GRASSLANDS

The Publication of the California Native Grass Association

Volume V, No. 1 March 1995

## President's Address

Dan Strait

As always, each new year begins the term of a new President for the California Native Grass Association. Let me begin my first message to you as President of the Association by introducing myself. I am a Fish and Wildlife Biologist with the U.S. Fish and Wildlife Service. I work in the Service's Private Lands Office where we administer several programs under which the Service provides money on a cost-share basis to private landowners to do habitat restoration or enhancement projects on their property that benefit fish and wildlife. I would encourage anyone who is interested in hearing more about those programs to give me a call.

I'm sure that most Presidents when elected are enthusiastic about being in a position of leadership in the Association and are excited to have the opportunity to improve the organization. Well, I'm no different. I am genuinely excited about being your President, and I'm hoping that what I do over the next year improves the Association. In the five years since it was formed I believe that the Association has made good progress toward its mission to "develop, promote, and restore" native grass ecosystems. Many of you have been involved with the organization since the beginning and have been working with these grasses all along. Through you we have an impressive storehouse of information on native grasses and how to go about restoring native grasslands. We also have a good network going in which we can turn to each other for advice. I also see a decent rivalry going on between some of us that I think is healthy and good, most of the time.

So the Association is in good shape. But I sense something else is going on as well. Most organizations that plan on being around for the long run look at their first five years as an organizational period in which they try and decide what they want to do, who their membership and target audience are, and where the organization is going. I believe that this has been the case with CNGA. However, I think that the Association is now set to move to the next level, to kick it into overdrive so to speak. It is significant to note that we have had a complete turnover of officers. I haven't really

checked, but I believe that 1995 may be the first year since the organization formed that we have a new President, President-elect, Secretary, and Treasurer. Among that group of people I sense great enthusiasm and energy, and a real desire to get some serious work done. I think that we will.

As an example of what I'm talking about we need look no further than the proposed native grass database. (See the lead article in the last issue of *Grasslands* for full details). Thanks to the work of President-elect Mark Stromberg and others on the Native Grass Database Committee, CNGA is ready to merge onto the information superhighway. Although it will take 2 to 3 years to fully develop, once CNGA is on-line we will all be able to communicate through our own computer bulletin board through which we can share information and experiences and seek advice from other CNGA members on specific projects when we are trying to figure out what grasses to plant where, site-specific requirements of those species, etc. It's going to be a very valuable tool for us. I encourage anyone who has ideas or suggestions about what should be in the database, how it can help you with your business or projects, or if you just want to help design and implement the database, to read the article in *Grasslands* and contact one of the members of the database committee that the article mentions.

I have a few other thoughts about the Association but I'll save those for a future address. There are many of you that I haven't had a chance to meet yet. I'm looking forward to doing so over the next year. If you have any ideas about how to improve the Association please give me a call. That's what I'm here for.

### *In This Issue:*

<i>President's Address.....</i>	<i>p 1</i>
<i>1995 Field Day., Landscaping</i>	
<i>Workshops.....</i>	<i>p 2</i>
<i>Plant ID Workshop, 1994.....</i>	<i>p 3</i>
<i>1995 ID Workshop, Board Min.....</i>	<i>p 4</i>
<i>Ecotype Directory.....</i>	<i>p 5-8</i>
<i>Board of Directors.....</i>	<i>p 11</i>



1995 FIELD DAY at  
HEDGEROW FARMS, WINTERS, YOLO COUNTY  
SATURDAY, MAY 13, 1995

Scheduled Events:

- 7:00-8:00 Vendors set-up tables
- 7:00-8:30 Birdwatching at local riparian site
- 8:00-9:00 Registration + Continental breakfast

Morning Session Theme: Livestock and Native Grass Interactions

Topics to be addressed include:

- Response of Grasses to Grazing
- Grazing and Grassland Productivity
- Grazing as a Management Tool
- Forage, Nutrition, and Palatability
- Natives, Annuals, and Rangeland Sustainability

- 9:00-9:15 Welcome and Introduction - Dan Strait, CNGA President
- 9:15-10:00 Keynote Speaker: **Elizabeth Painter** - Jepson UC Herbarium
- 10:00-10:30 Break
- 10:30-12:30 Panel Discussion: How to Manage Native and Annual Grasses as part of a Successful Livestock Grazing Operation

Panel Members:

- Wendell Gilgert**, USDA Natural Resources Conservation Service
- Richard King**, USDA Natural Resources Conservation Service
- Tony Nelson**, The Nature Conservancy - Carrizo Plain Natural Area
- David Pratt**, Coop Extension Service, Farm Advisor's Office
- George Work**, Holistic Resource Management Rancher

Lunch

Afternoon Session - Field Demonstrations:

- Seed Production Fields; More than 15 species of Native Grasses
- Grazing Trials
- Roadside Management and Research Trials
- Habitat Restoration Trials; Upland, Riparian, Wetland
- Equipment Demonstrations
- Self-guided Tours

3:00-3:30 Break

3:30-5:00 Session Two - Repeat Demos

5:00--> Barbecue, refreshments, campfire

Registration Fee = \$ 50 for California Native Grass Association Members  
\$ 85 for non-members (includes a 1-year membership)

Fee includes a continental breakfast and lunch

\$ 20 extra for the Evening Barbecue and Refreshments

All meals catered by the **Buckhorn Restaurant**

Make checks payable to CNGA, P.O. Box 566, Dixon, CA 95620 (916) 678-6282

Participants must register by May 1. A schedule and directions will follow in the mail.

---

**4 Landscape Workshops for the Home Gardener, with Robert Kourik**  
**Drip Irrigation March 25 Xeriscaping April 8, Soil for All Seasons April 29,**  
**Remodeling your Home Landscape May 20**  
(800) 752-0881 or 757-8777, FAX (916) 757-8558  
University Extension, UC Davis

The following was written after the 1994 Plant ID Workshop, and is printed here for those who may not know about this event.

A REPORT ON CNGA's GRASS IDENTIFICATION WORKSHOP, 1994  
by Dan Strait

The California Native Grass Association held its second annual Grass Identification Workshop on Friday, June 10th through Sunday, June 12th at the Bodega Marine Lab in Bodega Bay, California. The workshop was attended by 35 people, and had as its purpose two main objectives; for participants to become familiar with grasses common to the California Coastal region and elsewhere, and to have participants become more comfortable with the use of grass identification keys, particularly those found in the 1993 Jepson Manual: Higher Plants California.

The workshop began on Friday evening with a reception and welcome by Peter Connors, Director of the Bodega Marine Lab, who gave a slide presentation on the various habitats and species of plants, including grasses, that are present in the vicinity of the Lab. During his presentation Peter discussed the ongoing projects that are taking place at the Lab including the control of the invasive iceplant, *Carpobrotus edulis*, and the work that the staff are undertaking to introduce native grasses. Included in the presentation was a fascinating look at the local ecology of the native perennial yellow bush lupin, *Lupinus arboreus*. After the presentation, participants remained for conversation and beverages, compliments of the California Native Grass Association.

The Saturday morning session was held in one of the Lab's classrooms, and was conducted by Travis Columbus of the Rancho Santa Ana Botanic Garden in Claremont, California. Travis began the session with a review of the morphology of grasses, with the goal of familiarizing the workshop's participants with the floral and vegetative characters used in the taxonomic keys in the Jepson Manual. Participants were provided with written materials designed to assist in the recognition of different grasses, including an extremely useful guide to the diagnostic features of the common grass subfamilies and tribes. The group was provided with fresh plant materials, and spent the latter part of the morning viewing specimens under the dissecting scope, and comparing and contrasting features of different genera of grasses.

After lunch, Peter Connors led the workshop participants on a walking tour of the grounds of the Marine Lab with the goal of identifying as many grass species as possible. Before the afternoon was over, 33 species of grass were identified. One benefit of holding the workshop at a location such as the Marine Lab that is subject to the harsh conditions of the marine environment, was that

many of the grasses were reduced in size to the point that some species had growth forms and floral characteristics that were different from that seen at inland locations. The experience helped to reinforce in the minds of many workshop participants that, as we travel through different areas in the west, we should take a close look at individual grass plants before identifying them as a certain species, based solely on the growth form we are used to seeing for that species. After dinner, the day was closed-out nicely by Tom Griggs, Stewardship Ecologist for the Nature Conservancy, who gave a slide presentation entitled "Grazing, burning, how it effects the grassland community, and what good is it?" In addition to a discussion of the use of grazing and burning to aid in the introduction and management of native grasses, Tom discussed several native grass species, the sites and conditions in which they are most likely to be introduced successfully, and the role and benefits (or disadvantages) of particular species in the larger grassland community.

Travis Columbus led the Sunday morning session, with participants getting more experience working with grasses under the dissecting scope. It was an intense session whose purpose was to have the group get more experience with the taxonomic keys in Jepson. The group was presented different grasses from different tribes. People paired-up in an attempt to wind their way through the keys, and maybe in the end even successfully identify the grass to species. The group was made up of people having varying levels of key-use skills, from those who actually contributed to the preparation of Jepson, to those who had not used a key since their college plant taxonomy class. All together it was an excellent exercise with a lot of sharing of experiences and telephone numbers between workshop participants. The workshop ended on a high note with a trip to Button Ranch near Petaluma, California. Peter Connors led the trip during which 31 species of grass were identified. The weather was beautiful, and it was an excellent way to finish a successful workshop.

The California Native Grass Association would like to thank Peter Connors and the rest of the staff of the Bodega Marine Lab for their hospitality, and for the use of a very fine facility. The food and living quarters were particularly enjoyable. We also thank Carolyn Shoulders, chair of the Public Information and Education Committee, for her work in organizing and facilitating a successful workshop.

***Did you miss your last issue of Grasslands?  
If so, write or call for a replacement copy.***

BACK ISSUES OF *Grasslands*

1991	April, July, October	\$1.00
1992	February, May, September, October	\$2.00
1993	February, May, August, October	\$2.00

## 1995 GRASS IDENTIFICATION WORKSHOP

WHEN: Saturday and Sunday, May 6, 7

WHERE: Rancho Santa Ana Botanic Garden, Claremont, CA

WHO: Travis Columbus

CNGA CONTACT: Carolyn Shoulders, Public Information and Education Committee

Details in the next *Grasslands*.

### Letter to the Editor,

I would like to compliment the editor for the high quality work that has been done to produce a beautiful and interesting newsletter for the CNGA members. I feel that this newsletter is the most important foundation of our organization and look forward every three months to my issue of *Grasslands* to read about the latest in native grass research.

I would also like to comment on the annual membership meeting questionnaire that was in our packet for the 1994 annual meeting. One of the questions was what subjects/information would you like included in the November 1995 meeting? I wrote:

- A bunchgrass arts & crafts display
- A native American from California and their use of grasses (baskets, etc?)
- "Honoring the Elders" award, with a talk by the original native grass researchers like Alan Beetle, Beecher Crampton (while they are still alive!) to talk about what got them interested in studying California native grasses.
- Displays of native grass posters done by children, with awards.

I look forward to seeing what others suggested for our 1995 meeting, and will see you there!

Sincerely, Craig Dremann, Redwood City Seed Co.

### Election Results: Amendment of Bylaws

Passed, Board of Directors:

President-elect: Mark Stomberg

Secretary: Phil Hogan

Treasurer: Andrew Dyer

Members-at-Large: Rachel Freeman, David Dyer, Tony Norris

### Board Minutes, December 15, 1994

Treasurer's Report—Cash on hand = \$10,859

Total assets = \$19,300

Total revenue for 1994 = \$25,000

Bylaws updated as approved by balloting

1995 Field Days: agenda to cover a narrow topic "Livestock/Native Grasses", Palatability & Nutrition, the quantitative info on these topics, including case studies and the rancher's perspective. Speakers suggested, as well as concurrent sessions in afternoon

Grass ID Workshop: should be in S. Calif (Rancho Santa Ana), maybe late April; speakers/taxonomists suggested

Nominations Committee: elected positions and suggested people to fill; duty to select committee chairs and other non-elected positions, helping president carry out related functions. Bob Delzell will pull names by zipcode.

Joint meetings: CA SRM is a potential for joint meetings. Discussed proposal to combine with other organizations. Concern for being able to meet existing goals expressed; some noted that there's a difference between combining administratively (e.g. having joint treasurer) and doing so on objectives & structures of organizations.

Calif Botanical Society: They contacted Bob Delzell on receiving labels for Mary Barker presentation that occurred in Santa Cruz on Feb. 18 (see Editor's Forum). We need to request a summary of Barker's presentation to include in *Grasslands*.

Umbrella organization: List of members that is common to other organizations and CNGA.

Membership report: We need to send renewal notices to delinquent members. Data base of membership shows a total of 384 members; Theta has additional names, bringing total to date to 391.

Miscellaneous items: John Anderson: SWCS have our display at their annual meeting. (It was also present at the Yolo County RCD Farmscaping Workshop, Feb. 18). Bob Delzell is resigning as of Jan. 1, 1996 as Membership Chair. The president will search for new membership chair which will include member database management, maintaining the database that Bob created for CNGA. Craig Dremann has had some success in creating interest in acquiring *Grasslands* among various university librarians. However, in general the librarians are not interested in receiving a 'newsletter', so the official title of *Grasslands* has been changed. Election results: 117 responses for key positions on ballot and +/- 100 for each board member listed. Annual meeting—Ted Adams offered suggestions for program and the appropriate timing. Attendance has been reduced. Book-keeping—Ted suggested Dan contact the book keeper and new treasurer to facilitate a transfer of book-keeping info to new treasurer. Suggestion of site for next board meeting (it was held in Berkeley; minutes to follow in next issue).

### Redwood City Seed Company

P.O. Box 361, Redwood City, Ca. 94064

(415) 325-7333

Since 1971

Specializing in native grass bare-root plants grown in four inch deep flats, and shipped pretreated with organic fertilizers dusted on the roots! Bare root means better native soil contact! Success usually 90% or better! Call for free pricelist!

# CRAIG'S "KEEPERS OF THE RELICS" ECOTYPE DIRECTORY

California Native Grass Seed Commercially Reproduced And Sold As Ecotypes  
Spring 1995 By Craig Dremann

The three principle California native grass seed growers in California offer 188 source-identified ecotypes of native grasses which originated from 34 counties. The growers surveyed in December 1994 were:

Conservaseed, P.O. Box 455, Rio Vista, Cal. 94571.....phone (916) 775-1676  
 Elkhorn Ranch, P.O. Box 70, Moss Landing, Cal. 95039.....phone (408) 763-1207  
 Hedgerow Farms, 21740 County Road 88, Winters, Cal. 95694.....phone (916) 662-4570

Asterisk\* means it is being increased or only small quantities are available.  
 NF means U.S. National Forest. Serp or Ser means serpentine soil.

If you are commercially reproducing native grass ecotypes and would like to be included in the next issue of this directory, send lists to **Craig Dremann, Box 361, Redwood City, Ca. 94064.** Deadline for the 1996 directory is December 1, 1995. List format: alphabetical by species, and then alphabetical by county of origin, location. Elevation and soil types optional.

<u>Species</u>	<u>Conservaseed</u>	<u>Elkhorn</u>	<u>Hedgerow</u>
Achnatherum---see <i>Stipa</i>			
Agropyron trachycaulum	Yolo Co., Winters	---	---
Agrostis blasdalei	---	Monterey Co.*	---
Agrostis (pallens) diegoensis	Contra Costa Co., Pt. Molate*	Monterey Co.*	---
" " "	San Diego Co.*	San Diego Co.*	---
" " "	---	Santa Cruz Co	---
Agrostis exarata	Amador Co., Ione.	Monterey Co.*	Tehema Co., Sacto. River
Agrostis hooveri	---	San Luis Obispo Co.*	---
Aristida hamulosa	---	---	Colusa Co., Spring Valley
Aristida purpurea	Santa Barbara Co	---	---
Bromus arizonicus	Riverside Co., "Cucamonga"	---	---
Bromus carinatus	Alameda Co., Berkeley Hills	Los Padres NF	---
" "	Contra Costa Co., Mt. Diablo*	Monterey Co.	---
" "	Eldorado NF 7000'*	Santa Cruz Co.	---
" "	L.A. Co., Santa Monica Mtns*	---	---
" "	Sacto. Co., Mokelumne River	---	---
" "	San Diego Co. 5000'*	---	---
Bromus ciliatus	Trinity Co., Hayfork*	---	---
Bromus laevipes	Marin Co., Mt. Tamalpais*	---	---
Bromus maritimus	---	San Luis Obispo Co.*	---
	---	San Mateo Co.*	---
Bromus orcuttianus	Plumas NF	---	---
Bromus vulgaris	Plumas NF	---	---
Calamagrostis nutkaensis	---	Monterey Co.*	---
Danthonia californica	---	Monterey Co.*	---
	---	San Luis Obispo Co.*	---
	---	Santa Cruz Co.*	---
Deschampsia atropurpurea	---	Trinity Co.*	---

Deschampsia caespitosa	Napa Co., Potrero Meadow*	Lake Co.*	Lake Co.
" "	Plumas NF	Monterey	---
" "	Siskiyou Co., Klamath River	Santa Cruz	---
" "	Solano Co., Rio Vista	---	---
Deschampsia danthonioides	---	Monterey Co.*	---
Deschampsia elongata	Monterey	Monterey Co., Los Pad. NF	Sacto. Co., Cosumnes River
" "	Plumas NF	Trinity Co.	---
Deschampsia holciformis	Mendocino Co.*	Mendocino	---
" "	Sonoma Co.*	Monterey Co.*	---
" "	---	San Luis Obispo Co.	---
Distichlis spicata	---	Monterey Co.*	---
" "	---	San Luis Obispo Co.*	---
Elymus---also see Hystrix, Elymus---also see Sitanion			
Elymus (Leymus) condensatus	San Diego Co. 400'*	Monterey Co.*	---
" "	Santa Barbara Co. 40'*	San Luis Obispo Co.*	---
" "	---	Santa Barbara Co.*	---
Elymus glaucus	Alameda Co., Berkeley Hills	Monterey Co., Elkhorn	Lake Co., Wilson Valley
" "	Contra Costa Co., Pt. Molate*	Monterey Co., Los Pad. NF	Napa Co., Quail Ridge
" "	Eldorado NF 7000'*	San Luis Obispo Co.	Santa Clara Co., Los Altos
" "	San Luis Obispo Co., Pozo Rd.*	Santa Cruz	Tehama Co., Dye Creek
" "	Shasta-Trinity NF	---	Yolo Co., "Anderson"
" "	Siskiyou Co., McCloud*	---	---
" "	Siskiyou Co., Scott Valley*	---	---
" "	Stanislaus NF 2000'	---	---
" "	Stanislaus NF 5000'	---	---
" "	Yolo Co., Winters "Anderson"	---	---
Elymus (Leymus) pacificus	---	San Luis Obispo Co.*	---
Elymus trachycaulus	---	---	Yolo Co., Willow Slough
Elymus (Leymus) triticoides	Fresno	Monterey Co.*	---
Festuca californica	---	Lake Co.	---
" "	---	San Benito Co.*	---
" "	---	San Luis Obispo Co.*	---
" "	---	Trinity Co.*	---
Festuca elmeri	---	Santa Cruz Co.*	---
Festuca idahoensis	Eldorado NF	Lake Co.*	Napa Co., Quail Ridge
" "	Marin Co., Mt. Tamalpais 1200'*	Monterey Co.*	---
" "	Marin Co., Mt. Tamalpais 1400'*	San Mateo Co., S. Bruno Mt.*	---
" "	Mendocino Co., Hwy 128 serp*	Santa Cruz	---
" "	Sierra Co., Hwy. 89 5000'*	---	---
" "	Sisk. Co., Forks of Salmon 3000' ser*	---	---
" "	Siskiyou Co., Gazelle Rd 4500'*	---	---
" "	Siskiyou Summit serp. 5000'*	---	---
Festuca occidentalis	Siskiyou Co., Little Duck Lake*	---	---
" "	Trinity Co., 3000'*	---	---
Glyceria elata	Plumas NF	---	---
Hierochloa occidentalis	---	Monterey Co.*	---
Hordeum brachyantherum	Solano Co., Grizzly Island salt-tol.	Monterey Co.	Sacto. Co., Cosumnes
River	---	---	Yolo Co., N. Yolo Bypass
" "	---	---	---
Hordeum californicum	Monterey Co., Hastings Preserve	Monterey Co.	Solano Co., Jepson prairie
" "	---	San Luis Obispo Co.*	---
Hystrix (Elymus) californica	---	Santa Cruz Co.*	---

Koeleria cristata	---	Carmel Valley	---
Koeleria macrantha	---	Monterey Co.	---
" "	---	Shasta Co.*	---
Leymus---see Elymus			
Melica aristata	Plumas NF	Plumas NF, Belden*	---
Melica californica	Butte Co., Chico	Monterey Co.*	Lake Co., Wilson Valley
" "	San Luis Obispo Co., Carrizo Plain	San Benito Co.*	Marin Co., Ring Mtn. serp.
" "	---	San Mateo Co., S.Bruno M*	Solano Co., Jepson prairie
" "	---	---	Tehama Co., Inks Creek
" "	---	---	Yolo Co., Cache Creek
" "	---	---	Yolo Co., Winters
Melica hardfordii	---	Monterey Co.*	---
Melica imperfecta	Monterey Co., Big Sur	Monterey Co.*	---
Melica torreyana	---	---	Yolo Co., Winters
Muhlenbergia rigens	Butte Co., Chico	Monterey Co.*	---
Nassella---see Stipa			
Poa douglasii	---	Monterey Co.*	---
Poa secunda/scabrella	Marin Co., Mt. Tamalpais	Monterey Co.*	Yolo Co., Cache Creek
" "	---	Plumas NF, Belden*	---
Sitanion hystrix	Eldorado NF	Monterey Co.*	---
" "	Los Angeles Co., Palmdale	---	---
" "	Shasta-Trinity NF	---	---
" "	San Luis Obispo Co., Carrizo Plain	---	---
Sitanion jubatum	Kern Co., Tehachapi	---	Yolo Co., Cache Creek
" "	San Luis Obispo Co., Carrizo Plain	---	---
Stipa (Nassella) cernua	Contra Costa Co., Concord	Monterey Co.	Colusa Co., Williams*
" " "	Kern Co., Bakersfield Hills	---	S. L. O. Co., Carrizo Plain
" " "	---	---	Solano Co., Benicia
" " "	---	---	Tehama Co., Inks Creek
" " "	---	---	Yolo Co., Dunnigan
Stipa (Achnath.) coronatum	---	Monterey Co.*	---
Stipa (Achnath.) lemmonii	---	San Benito Co.*	---
Stipa (Nassella) lepida	Alameda Co., Oakland Hills	Monterey Co.*	Marin Co., Ring Mtn.
" " "	---	---	Yolo Co., Winters
Stipa (Nassella) pulchra	Alameda Co., Berkeley Hills	Elkhorn slough	Colusa Co., Winters*
" " "	San Diego Co., Camp Pendleton	Monterey Co., Los Pad.NF	Glenn Co., Sacto River
" " "	Solano Co., Jepson Prairie	San Luis Obispo Co.	Lake Co., Wilson Valley
" " "	---	Santa Cruz	Marin Co., Button Ranch
" " "	---	---	Sacto. Co., Cosumnes River
" " "	---	---	Solano Co., Jepson Prairie
" " "	---	---	Tehama Co., Inks Creek
" " "	---	---	Yolo Co., Cache Creek
" " "	---	---	Yolo Co., Winters
Stipa (Achnath.) stillmanii	Plumas NF	Trinity Co.*	---
Vulpia microstachys	Eldorado NF	---	---
" "	El Dorado Co., Omo Ranch Rd.*	---	---
" "	El Dorado Co., Panther 4000'*	---	---
" "	Monterey Co., Hastings Preserve*	---	---
" "	Sierra NF*	---	---
Vulpia octoflora	Los Angeles Co., San Gabriel Mtn.*	---	---

**Ecotypes of California Native Grass Seed,  
Commercially Reproduced By Three  
Companies in 1994, By County of Origin**

Alameda.....	4
Alpine.....	0
Amador.....	1
Butte.....	2
Calaveras.....	0
Colusa.....	3
Contra Costa.....	4
Del Norte.....	0
El Dorado.....	7
Fresno.....	1
Glenn.....	1
Humboldt.....	0
Imperial.....	0
Inyo.....	0
Kern.....	2
Kings.....	0
Lake.....	7
Lassen.....	0
Los Angeles.....	3
Madera.....	0
Marin.....	7
Mariposa.....	0
Mendocino.....	3
Merced.....	0
Modoc.....	0
Mono.....	0
Monterey.....	39
Napa.....	2
Nevada.....	0
Orange.....	0
Placer.....	0
Plumas.....	8
Riverside.....	1
Sacramento.....	5
San Benito.....	3
San Bernardino.....	0
San Diego.....	5
San Francisco.....	0
San Joaquin.....	0
San Luis Obispo.....	16
San Mateo.....	3
Santa Barbara.....	3
Santa Clara.....	1
Santa Cruz.....	9
Shasta.....	3
Sierra.....	2
Siskiyou.....	7
Solano.....	6
Sonoma.....	2
Stanislaus.....	2
Sutter.....	0
Tehama.....	5
Trinity.....	6
Tulare.....	0
Tuolumne.....	0
Ventura.....	0
Yolo.....	15
Yuba.....	0



**California Native Grass Seed**

Mixes for  
**North Central Valley, Valley Foothills, Central Inner Coast  
Range**

All seed is derived from known sources in the above regions.  
Each mixture is composed of up to 8 species in ratios selected to maxi-  
mize equal chance of establishment.

Foothill Oak Woodland	6 species
Valley and Foothill Savannah	8 Species
Valley Oak Woodland	6 species
Valley Riparian	5 Species
Wetland Associated	7 Species

Custom mixes to accomodate seed availability, site specificity and budget.  
**'94 Supply limited for some species.**

**Species:** Purple needlegrass *Nassella pulchra* (NP), Foothill needlegrass *Nassella lepida* (NL), Nodding needlegrass *Nassella cernua* (NC), (SL Blue wildrye *Elymus glaucus* (EG), Slender wheatgrass "Yolo" *Elymus trachycaulus* var. *majus* (ETM), Creeping wildrye *Leymus triticoides* "Rio" (LT), California oniongrass *Melica californica* (MC), Pine bluegrass *Poa segunda* (PS), Three awn *Aristida hamulosa* (AH), Idaho fescue *Festuca idahoensis* (FI), Meadow barley *Hordeum brachyantherum* (HB), California barley *Hordeum californicum* (HC), California brome *Bromus carinatus* (BC) Tufted hairgrass *Deschampsia caespitosa* (DC), Bent grass *Agrostis exarata* (AE), Deer grass *Muhlenbergia rigens* (MR).

**John Anderson**  
21740 County Road 88  
Winters, CA 95694  
916-662-4570  
FAX 916-668-8369  
Consulting- Contract Growing



**PACIFIC OPENSOURCE, INC.  
& NORTH COAST NATIVE NURSERY**

- Environmental assessment and monitoring
- Mitigation and restoration plans
- Revegetation installation contracting
- Habitat restoration and management
- Extensive inventory of native California species
- Contract collection and propagation

**707-769-1213**

P.O. BOX 744, PETALUMA, CA 94953  
FAX 707-769-1230



## ADVERTISEMENT RATES PER ISSUE

Quarter page (3 1/4" by 4 5/8"): \$75.00

Budget size (3 1/4" by 2"): \$40.00

Classified Section: 50¢ per word, no restrictions

Send copy on MacIntosh disc, MS-Dos disc, by email  
or camera-ready copy and check to:

Editor, *Grasslands*,  
19871 County Road 79  
Capay, CA 95607  
916-796-2180 email: kgweis@ucdavis.edu

phone hours evenings & weekends  
A written confirmation of ads received will be provided  
upon request

Please try to avoid sending dot-matrix printed, or poorly photo-  
copied materials as these do not scan well and much time is taken  
for typing, not just editing!

**Deadlines for any submitted materials  
for *Grasslands*: end of months of March,  
June, September, and December.**

*List of the CNGA 1994 Annual Meeting  
Participants with addresses and tele-  
phone numbers is available--call or  
write to the CNGA address and Theda will  
mail you a list*

### CNGA Corporate Members

Jones & Stokes Associates

### CNGA Life Members

John Anderson  
Polly Anderson  
Sally Casey  
Charlice Danielsen  
Jim Dekloe  
Bob Delzell  
Jim Eagan  
David Gilpin  
Charlotte Glenn  
Paul Kephart  
Rod MacDonald  
Eugene Majerowicz  
Warren Roberts  
Vic Schaff  
Jacob Sigg  
Scott Stewart  
David Yam

# Valley Transplant Company

23000 Bruella Road

Acampo, CA 95220

209-368-6093

## Specializing in native grass transplant

- \* Inexpensive plugs—cell size 1 1/4" x 1 1/4" x 3"
- \* Price dependent on quantity and grass species
- \* Must receive seed/order for propagation by Aug. 1  
for delivery in October-November
- \* Fall propagation for mid winter/early spring planting
- \* Custom seed collecting services available

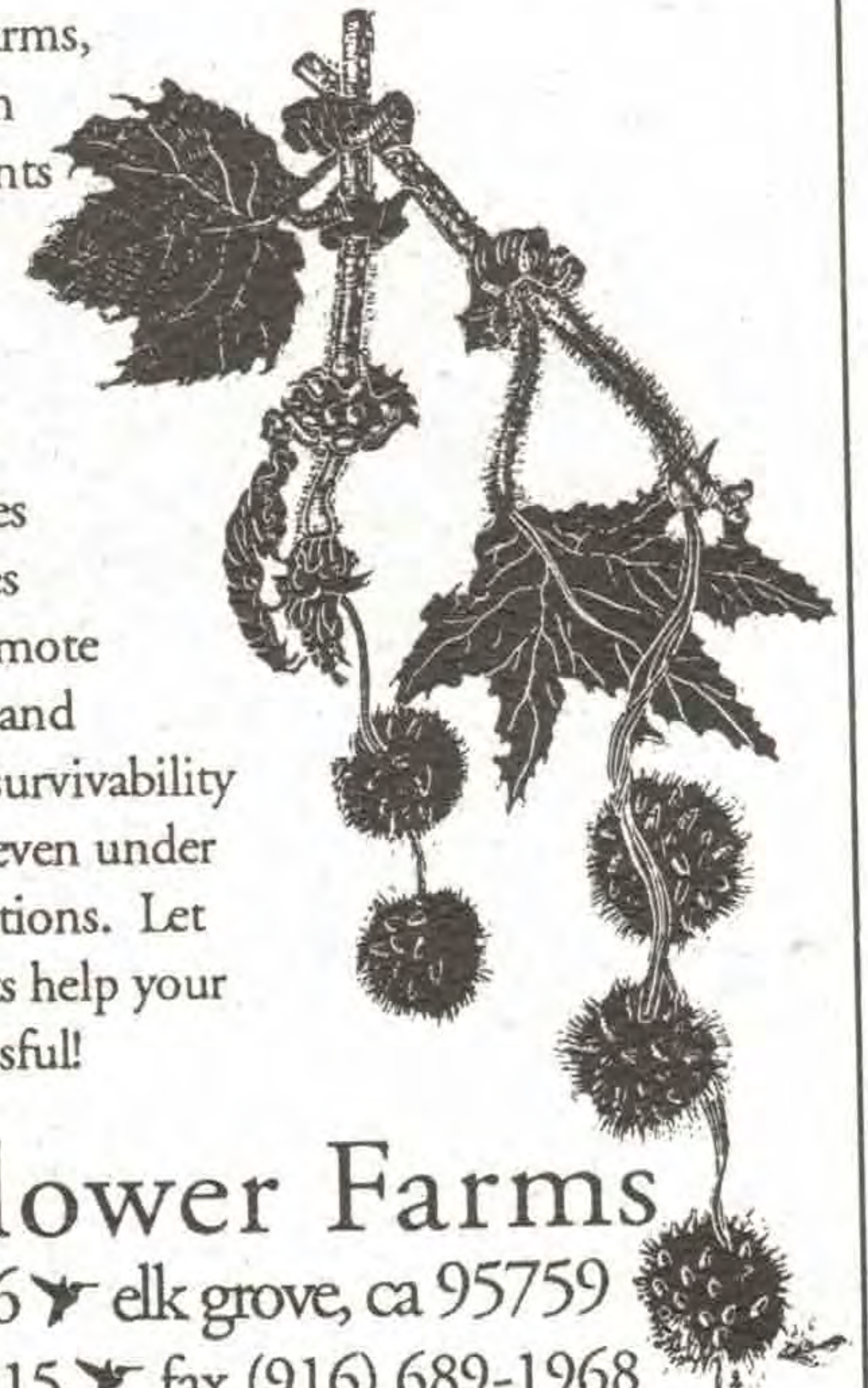
### Price per species/accession

- \$.05 each for 20,000+
- \$.07 each for 10,000-20,000
- \$.10 each for 5000-10,000
- \$.12 each for 5000 or less

**Remember:** Collect seed now for propagation in fall.  
Plan for plugs to be ready in 6-8 weeks after planting in  
greenhouses. Warm season grasses must be started by  
May 1st.

## RETURN OF THE NATIVES

At Cornflower Farms,  
we grow premium  
quality native plants  
for wildland  
restoration,  
landscapes and  
agriculture. Our  
containerized trees  
shrubs and grasses  
are grown to promote  
vigorous growth and  
greatly improve survivability  
at out-planting; even under  
harsh field conditions. Let  
our quality plants help your  
project be successful!



## Cornflower Farms

p.o. box 896 ✓ elk grove, ca 95759  
(916) 689-1015 ✓ fax (916) 689-1968

Call or write for more information

# S&S SEEDS

Specializing in top quality seeds, site-specific custom collecting, and an extensive inventory for fast delivery.

## SEED SPECIES

Over 900 species available in stock:

- ◆ Wildflowers
- ◆ Native Plants
- ◆ Drought-Tolerant Plants
- ◆ Reclamation Grasses
- ◆ Ground Covers
- ◆ Seed Mixes
- ◆ Erosion Control
- ◆ Revegetation

## TACKIFIERS/BINDERS

- ◆ Ecology Controls M-Binder
- ◆ DSS-40 Acrylic Polymer

Call or Fax for Prices and Availability

P.O. BOX 1275  
 CARPINTERIA, CA 93014-1275  
 PHONE: 805-684-0436  
 FAX: 805-684-2798

*Melica imperfecta*



A division of  
 Stewart Family Farms

**California's Number One  
 producer of native grass seeds.**

Meadow Barley • Blue Wildrye  
 Purple Needlegrass • California Brome  
 California Red Fescue • Zorro Fescue  
 Molate Fescue

pasture improvement • soil stabilization and  
 erosion control • cover crops • ornamental  
 ground covers • wildfire reseeding  
 wildlife habitat restoration

P.O. Box 455  
 Rio Vista, CA 94571  
 (916) 775-1646

*California Native Grass Seeds  
 Wildflower & Erosion Control Blends  
 Hydroseeding & Reclamation Mixes  
 Consultation*



Wholesale Seed to the Restoration  
 and Reclamation Industries

7074-D Commerce Circle • Pleasanton, CA 94588  
 (510) 463-1188 FAX (510) 463-1941

## Join the Native Grass Association

Date \_\_\_\_\_  
 Name \_\_\_\_\_  
 Title \_\_\_\_\_  
 Organization \_\_\_\_\_  
 Address \_\_\_\_\_  
 City/State/Zip \_\_\_\_\_  
 Phone/FAX \_\_\_\_\_

### Membership Status

Regular	\$35/year
Student	\$20/year (include school, grad. yr.)
Retired	\$20/year
Life	\$350
Corporate	\$500/year
Associate	100/year

**Benefits:** Regular, Student, Retired, or a business on a Regular Membership--1 person at member rates at functions; Family, Commercial or Associate--all members of group at member rates.

**Donations:** In any category designed (see committees), to support CNGA in its efforts to Develop, Promote, and Restore, I am enclosing a donation of \$\_\_\_\_\_ for \_\_\_\_\_

Donations are tax deductible to the extent allowed under federal and state law.

Dues are for the Current calendar year, up to November, at which time dues paid are for the following year.

Detach and mail to:  
 California Native Grass Association  
 P.O. Box 566  
 Dixon, CA 95620

**1995 Board of Directors**

**Officers**

**President**

Dan Strait  
US Fish & Wildlife Service  
2233 Watt Ave., Suite 375  
Sacramento, CA 95825-0509  
(91 6) 979-2085 (O)  
(916) 979-2092 (FAX)  
straitd@mail.fws.g

**President-elect**

Dr. Mark Stromberg,  
Mgr. UC Hastings Natural  
History Reservation  
38601 E. Carmel Valley Rd.  
Carmel Valley, CA 93924  
(408) 659-2664 (O)  
(408) 659-7208 (Fax)  
(408) 659-5307 (H)

**Past President**

Patricia Gouveia

**Secretary**

Phil Hogan  
USDA Natural Res.  
Conservation Service  
221 W. Court St., Ste 5  
Woodland, CA 95695  
(916) 662-2037 (O)  
(916) 662-4876 (FAX)

**Treasurer**

Andrew Dyer  
Agronomy & Range Sci  
University of California  
Davis, CA 95616-8515  
(91 6) 752-1 701 (O)  
(916) 752-4361 (FAX)  
(916) 668-5705 (H)

**Members at Large**

Charlice Danielsen (1994-1995)  
10 Kerr Avenue  
Kensington, CA 94707  
(510) 525-9076 (H)

Richard Reiner (1994-1995)  
The Nature Conservancy  
6500 Desmond Road  
Galt, CA 95632  
(916) 6844012 (O)  
(916) 683-1702 (FAX)

Kevin Rice (1994-1995)  
Agronomy & Range Sci.  
University of California  
Davis, CA 95616-8515  
(91 6) 752-8529 (O)  
(916) 752-4361 (FAX)

Tony Norris (1995-1996)  
Vallejo Public Works Dept.  
3760 Clara Drive  
Napa, CA 94558  
(707) 648-4481 (O)  
(707) 648-6491 (FAX)

David Dyer, Mgr. (1995-1996)  
USDA Natural Resources  
Conservation Service  
P.O. Box 68  
Lockeford, CA 95237  
(209) 727-531 9/3205 (O)  
(209) 727-5923 (FAX)  
209) 727-3205 (H)

Rachel Long (1995-1996)  
UC Cooperabve Extension  
70 Cottonwood Street  
Woodland, CA 95695  
(916) 666-8143 (O)  
(916) 666-8736 (FAX)

**CNGA Mailing Address**

CNGA  
(Theda Strack)  
P.O. Box 566  
(1117JustinWay)  
Dixon, CA 95620  
(916) 678-6282

**Grasslands Editor**

Kitren G. Weis  
19871 County Road 79  
Capay, CA 95607-9705  
(916) 796-2180 (H)  
Call evenings/weekends  
kgweis@ucdavis.edu

**Lawyer**

Zad Leavy  
3785 Via Nona Marie, Suite 309  
Carmel, CA 93923  
(408) 624-6060 (O)  
(408) 625-1250 (FAX)  
Katherine Petty, Secretary



**Committee Chairs**

**Research and Development**

Tom Griggs  
The Nature Conservancy  
1658 Inghram Road  
Corning, CA 96021  
(916) 826-0947 (O)  
(916) 824-4862 (H)  
  
(209) 727 3205 (H)

**Seed Production and Marketing**

David Dyer  
USDA Natural Resources  
Conservation Service  
P.O. Box 68  
Lockeford, CA 95237  
(209) 727-5319 (O)  
(209) 727-5923 (FAX)

**Urban Use & Landscping**

Alison Berry  
Environmental Horticulture  
University of California  
Davis, CA 95616  
(916) 752-7683 (O)  
(916) 752-1819 (FAX)

**Ecosystem Restoration**

Ray Griffiths  
Acom Environmental Consult.  
P.O. Box 617  
Georgetown, CA 95634  
(91 6) 333-1299

**Roadside Management**

John Anderson  
21740 County Road 88  
Winters, CA 95694  
(916) 662-4570

**Public Information and Education**

Carolyn Shoulders  
1182 Ocean Avenue  
Oakland, CA 94608-1142  
(510) 655-7853 (H)

**Memberahip**

Bob Delzell  
231 Escondido Drive  
Martinez, CA 94553  
(510) 229-3473





*DEVELOP  
PROMOTE  
RESTORE*

**California Native Grass Association**  
P.O. Box 566  
Dixon, CA 95620



Non-Profit Org.  
U.S. Postage  
**PAID**  
Permit No. 19  
Dixon, CA