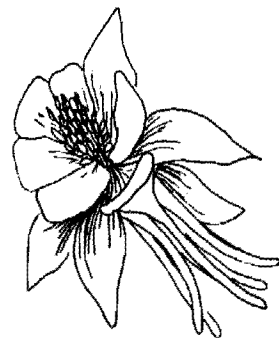


COLORADO NATIVE PLANT SOCIETY NEWSLETTER



Volume 10 Number 1
January 1986

"DEDICATED TO THE APPRECIATION AND CONSERVATION OF THE COLORADO FLORA"

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## FROM THE PRESIDENT

It is an honor for me to have been elected by the Board of Directors to serve as the President of the Colorado Native Plant Society for 1985-86

My goals for the coming year will include:

1. Working to increase the exposure and influence of the Society throughout the state whenever possible
2. Encouraging and supporting strong, active committees to carry out the work of the Society.
3. Encouraging and supporting strong, active chapters which provide opportunities for participation by members.
4. Working to increase membership.
5. Maintaining a financially sound Society.

I look forward to working with all of you during the year and hope that you will find the activities of the Society interesting and challenging. I will welcome your ideas and suggestions concerning the Society.

-Eleanor Von Bargen

## AGM

Approximately seventy five members and friends of CONPS spent all or part of Saturday, October 19, 1985 attending the Annual General Meeting at the Events Conference Center on the CU Campus.

The morning weather was perfect for a choice of two field trips - xeriscape landscapes or riparian ecology - and reports of both trips were glowing!

The afternoon provided thought-provoking lectures on the Holy Cross Wilderness water woes and the Platte River drainage, as well as displays of society activities and wildflowers photographs. Altogether a great day!!

## WORKSHOPS

Those of you who attended the Annual Meeting will know of the workshops that were announced at that time, and may have attended one of them.

Bill Jennings is currently organizing an expanded schedule of workshops for next year. Details - including registration procedures - will be announced as they become available.

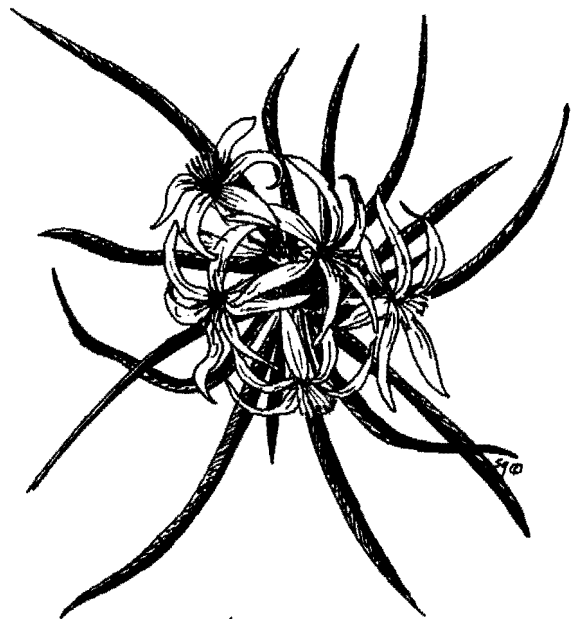
## ENDANGERED SPECIES FUNDING FY '86

The funding levels for endangered species programs for FY 86 (through September 1986) finally have been set. NRDC's Dr. Faith Campbell tells us the breakdown looks like this:

| Program                 | Amount<br>(millions) |
|-------------------------|----------------------|
| Fish & Wildlife Service |                      |
| listing                 | 3.26                 |
| recovery                | 6.88                 |
| state cooperation       | 4.39                 |
| law enforcement         | 8.65                 |
| CITES permits           | 0.05                 |
| consultation            | 2.61                 |
| research                | 4.54                 |
| Western hemisphere      | 0.25+                |
| BLM endangered species  | 3.90                 |
| Forest Service          |                      |
| endangered species      | 2.50                 |

Only time will tell how these figures may be affected by the Gramm-Rudman budget cuts yet to come in 1986 and for FY 87.

---Conservation Committee



*Leucocrinum montanum*



## Boulder Chapter Calendar

### FEBRUARY:

Tuesday 11: 7.30 p.m. Monthly meeting: Modern Plant Distribution and Past Peoples. This exercise in ethnobotany asks, "what can modern plant distribution tell us about past peoples". The speaker will be Dr. Lucile Housley. Foothills Nature Center, 4201 North Broadway, Boulder.

Saturday 15: 9 a.m. - noon. Taxonomic workshop: Beginning Plant Identification. - special emphasis on floral structure and family characteristics. Bring hand lenses and copies of local plant field guides if you have them. Foothills Nature Center, 4201 North Broadway, Boulder.

### MARCH:

Tuesday 11: 7.30 p.m. Monthly meeting: Engelmann...a Botanical Legacy in Colorado. This slide-talk will explore some of the contributions of George Engelmann to the developing botany of our region in the 1800's. The speaker will be Ted Engelmann. Foothills Nature Center, 4201 North Broadway, Boulder.

## THE COLORADO NATURAL AREAS INVENTORY

An Area Manager with the Bureau of Land Management is considering leasing a parcel of land for coal mining and needs to know if the site contains any rare plants. A consulting firm, working on an Environmental Impact Statement, wants to know what, if any, rare plants need to be considered during field work in a given area. The U.S. Fish and Wildlife Service, in order to accurately assess the status of a species they are considering listing as endangered, is soliciting information on that species. The U.S. Forest Service needs suggestions for potential Research Natural Areas that would protect rare plant taxa. Where would these agencies and individuals go to get the data they need. In Colorado the choice is simple.

The Colorado Natural Areas Inventory (CNAI) is the most complete and up to date repository of data for rare plants and plant communities in Colorado. Data are available on a site specific or species/plant community basis and are curated both manually by map and paper file and by computer. Species are ranked by their relative rarity and/or endangerment globally and statewide. Therefore, species that are common in some other state, for instance, but are rare in Colorado receive a rank as well as those species that are not only rare in Colorado but are also either rare elsewhere or are found only in Colorado. In this way CNAI seeks to preserve the natural diversity of our state as well as that of the world.

It was once thought that publication of specific locations of rare plants would lead to their being overcollected or sabotaged. However, the facts show that the loss of a rare plant population is more often the consequence of not knowing where the plant occurs when writing project designs. Of course, location information for some taxa, especially our Endangered and Threatened taxa of cacti, must remain confidential to avoid "poaching" or overcollection.

Started by The Nature Conservancy (TNC) as one of their many successful "Heritage" Programs, CNAI is now housed in the Colorado Department of Natural Resources, Division of Parks and Outdoor Recreation. The ground work laid down by TNC is still being faithfully carried out. Staff routinely search recent botanical literature for new distributional records and new species descriptions, visit the regional herbaria, consult with knowledgeable individuals in the botanical community, and, perhaps most importantly, conduct botanical inventories each field season for specific rare taxa, or to increase the botanical understanding of a particular area of Colorado. However, inventory staff cannot do the job alone.

Biologists with the federal land management agencies, universities and colleges, and consulting firms supply CNAI with data that would otherwise be unavailable given the size of Colorado and CNAI's limited staff and budget. CoNPS members can also help. Many Society field trips, as well as the activities of individual members, have supplied CNAI with data on our rare Colorado flora.

What is needed to help CNAI preserve the natural diversity of Colorado? 1) The ability to recognize at least one taxon on CNAI's list of special concern plants. 2) Specific location information for that taxon: Township, Range, section, fraction of section, county, verbal directions to site, U.S.G.S. Quadrangle name. 3) Habitat information for the population: slope, aspect, elevation, geological substrate, soil type. 4) Biological data: size of population, number of individuals, associated taxa, community type. If a collection has been made, the collection number and herbarium of deposit should be stated. Even if your data is not complete in all these details, some data is much better than no data. Following this article will be found CNAI's most recent list of plant species of special concern.

In addition to the collection and dispersal of information on Colorado's rare plant taxa, CNAI is also involved in protection efforts in two ways. Recommendations for new Natural Areas are made to the Colorado Natural Areas Program, The U.S. Forest Service, and the Bureau of Land Management, which are based on data showing the botanical uniqueness or importance of specific areas. Also, CNAI has begun monitoring programs on several areas of high botanical importance. Of immediate concern is the Boulder Tallgrass Prairie Natural Area. Grazing exclosures have been constructed and plans for data collection have been prepared. Volunteers are needed to remove three old fences that interfere with monitoring efforts. Also, individuals knowledgeable of the flora near Boulder, or the front range in general, are needed to begin an intensive inventory of all plant species found in the Natural Area beginning in the spring of 1986. Please contact CNAI if you are able to help us, in any way, to preserve that part of Colorado's flora that is in need of our immediate attention: our rare taxa.

Steve L. O'Kane Jr.  
Botanist/Inventory Coordinator  
Colorado Natural Areas Inventory  
1313 Sherman St., Rm. 718  
Denver, CO 80203  
(303) 866-3311

## COLORADO NATURAL AREAS INVENTORY PLANT SPECIES OF SPECIAL CONCERN

ACER GRANDIDENTATUM Nutt. ex T. et G.  
ADIANTUM CAPILLUS-VENERIS L.  
ADIANTUM PEDATUM L.  
ALETES HUMILIS C. et R.  
ALLIUM NEVADENSE S. Wats  
ALLIUM SCHOENOPRASUM L.  
AMBROSIA LINEARIS (Rydb.) Payne  
AMORPHA NANA Nutt.  
AMSONIA JONESII Woodson  
APIOS AMERICANA Medic ex Vorles  
AQUILEGIA CHRYSANTHA A. Gray var. RYDBERGII Munz  
AQUILEGIA FLAVESCENS S. Wats  
AQUILEGIA MICRANTHA Eastw. var. MANCOSANA Eastw.  
A. m. f. mancosanana  
AQUILEGIA SAXIMONTANA  
ARABIS FERNALDIANA Rollins var. FERNALDIANA  
Boechera f.  
ARALIA RACEMOSA L.  
ARISTIDA BASIRAMEA Engelm ex Vasey  
ARMERIA MARITIMA (Miller) Willdenow ssp. SIBERICA  
(Turez. ex Boiss.) Hylander  
A. scabra ssp. siberica  
ARTEMISIA ARGILOSA Beetle

ARTEMISIA PYGMAEA A. Gray  
Seriphidium p.  
ASCLEPIAS UNCIOLIS Greene  
ASPLENIUM ANDREWSII A. Nels.  
ASPLENIUM PLATYNEURON (L.) Oakes ex Eaton  
ASPLENIUM RESILIENS Kunze  
ASPLENIUM VIRIDE Huds.  
ASTER ALPINUS L. var. VIERHAPPERI (Onno) Cronq.  
ASTRAGALUS ANISUS M.E. Jones  
ASTRAGALUS ARETIODES (M.E. Jones) Barneby  
Orophaca a.  
ASTRAGALUS ARGOPHYLLUS Nutt. ex T. et G. var. MARTINI  
M.E. Jones  
Orophaca a.  
ASTRAGALUS BRANDEGEI Porter  
ASTRAGALUS CRONQUISTII Barneby  
ASTRAGALUS DEBEQUAEUS Welsh  
ASTRAGALUS DETERIOR (Barneby) Barneby  
ASTRAGALUS DETRITALIS M.E. Jones  
ASTRAGALUS DUCHESNENSIS M.E. Jones  
ASTRAGALUS GILVIFLORUS Sheld.  
ASTRAGALUS HUMILIMUS A. Gray

ASTRAGALUS HYALINUS M.E. Jones  
     *Orophaca* h.  
 ASTRAGALUS JEJUNUS S. Wats  
 ASTRAGALUS LINIFOLIUS Osterh.  
     *A. rafaensis*  
 ASTRAGALUS MICROCYMBUS Barneby  
 ASTRAGALUS MISSOURIENSIS Nutt var. HUMISTRATUS Isely  
 ASTRAGALUS MONUMENTALIS Barneby var. COTTAMII  
     (Weish) Isley  
     *A. cottamii*  
 ASTRAGALUS MUSINIENSIS M.E. Jones  
 ASTRAGALUS NATURITENSIS Payson  
 ASTRAGALUS NELSONIANUS Barneby  
 ASTRAGALUS OSTERHOUTII M.E. Jones  
 ASTRAGALUS PLATTENSIS Nutt. ex T. ex G.  
 ASTRAGALUS POLARIS Benth. ex Hook.  
 ASTRAGALUS PROXIMUS (Rydb.) Woot. et Standl.  
 ASTRAGALUS RIPLEYI Barneby  
 ASTRAGALUS SCHMOLLIAE C.L. Porter  
 ASTRAGALUS SESQUIFLORUS S. Wats  
 ASTRAGALUS WETHERILLII M.E. Jones  
 ATRIPLEX PLEIANTHA W.A. Weber  
 BOTRYCHIUM ECHO W.H. Wagner  
 BOTRYCHIUM HESPERIUM (Maxon et Clausen) Wagner et  
     Lellinger  
 BOTRYCHIUM LANCEOLATUM (Gmel.) Angstr. LANCEOLATUM  
 BOTRYCHIUM LUNARIA (L.) Sw. var. MINGANENSE (Vict.) Dole  
 BOTRYCHIUM MULTIFIDUM (Gmel.) Rupr. ssp. COULTERI  
     (Underw.) Broun  
 BOTRYCHIUM PARADOXUM Wagner  
 BOTRYCHIUM SIMPLEX Hitchc.  
 BRAYA HUMILIS (C.A. Meyer) Robinson ssp. VENTOSA Rollins  
 BUPLEURUM AMERICANUM C. et R.  
     *B. triradiatum*  
 CALOCHORTUS FLEXUOSUS Wats.  
 CAMISSONIA ANDINA (Nutt.) Raven  
 CENTAURIUM EXALTATUM (Griseb.) W. Wight ex Piper  
 CENTUNCULUS MINIMUS L.  
 CHEILANTHES EATONII Baker in Hook. et Baker  
 CHEILANTHES WOOTONII Maxon  
 CHENOPODIUM BOYRYODES Sm.  
     *C. chenopodioides* var. *degenianum*  
 CIRSIUM BARNEBYI Welsh et Neese ex Welsh  
 CIRSIUM PERPLEXANS (Rydb.) Petrak  
 CIRSIUM SCOPULORUM (Greene) Cockereil  
     *C. hesperium*  
 COLLOMIA GRANDIFLORA Dougl. ex Lindl.  
 CONOPHOLIS ALPINA Liebm. var. MEXICANA  
     (A. Gray ex S. Wats.) Haynes  
 CONIMITELLA WILLIAMSII (D.C. Eaton) Rydb.  
 CRATAEGUS CHRYSOCARPA Ashe  
 CREPIS NANA Richardson  
     *Askillia* n.  
 CRYPTANTHA APERTA (Eastw.) Payson  
     *Oreocarya* a.  
 CRYPTANTHA CAESPITOSOSA (A. Nels.) Payson  
     *Oreocarya* c.  
 CRYPTANTHA CANA (A. Nels.) Payson  
     *Oreocarya* c.  
 CRYPTANTHA ELATA (Eastw.) Payson  
     *Oreocarya* e.  
 CRYPTANTHA MENSANA (M.E. Jones) Payson  
     *Oreocarya* m.  
 CRYPTANTHA OSTERHOUTII (Payson) Payson  
     *Oreocarya* o.  
 CRYPTANTHA ROLLINSII I.M. Johnst.  
     *Oreocarya* r.  
 CYMPTERUS DUCHESNENSIS M.E. Jones  
 DITHYREA WISLIZENII Engelm. in Wisliz.  
 DRABA BOREALIS DC.  
 DRABA INCERTA Payson  
 DRABA JUNIPERINA Dorn  
 DRABA PAYSONII Macbr.  
 DRABA PORSILDII Mulligan  
 DRABA SMITHII Gilg. ex Schulz  
 DRABA VENTOSA A. Gray  
 DROSEROTA ROTUNDIFOLIA L.  
 DRYOPTERIS EXPANSA (Presl.) Jenkins et Jermy  
 ECHINOCEREUS TRIGLOCHIDIATUS Engelm. var. INERMIS  
     (K. Schum.) Arp  
 EPIACTIS GIGANTEA Dougl. ex Hook.  
 ERIGERON HUMILIS Graham  
 ERIGERON KACHINENSIS Welsh et. Moore  
 ERIGERON LANATUS Hook.  
 ERIGERON OCHROLEUCUS Nutt.  
 ERIOGONUM ACAULE Nutt.  
 ERIOGONUM BRANDEGEI Rydb.  
 ERIOGONUM CLAVELLATUM Small  
 ERIOGONUM COLORADENSE Small  
 ERIOGONUM CONTORTUM Small ex Rydb.  
 ERIOGONUM EPHEDEROIDES Reveal  
 ERIOGONUM LEPTOCLADON T. et G. var. RAMOSISSIMUM  
     (Eastw.) Reveal  
 ERIOGONUM PALMERIANUM Reveal  
 ERIOGONUM PAUCIFLORUM Pursh var. PAUCIFLORUM  
 ERIOGONUM PELINOPHILUM Reveal  
 ERIOGONUM SAURINUM Reveal  
 ERIOGONUM TUMULOSUM (Barneby) Reveal  
 ERIOGONUM VIRIDULUM Reveal  
 ERIOPHORUM ALTAICUM Meinsh. var. NEOGAELUM Raymond  
 ERIOPHORUM CHAMISSONIS C.A. Mey  
 ERIOPHORUM GRACILE Koch ex Roth  
 EUTREMA PENLANDII Rollins  
 FESTUCA DASYCLADA Hack  
     *Argillochloa* d.  
 FESTUCA HALLII (Vasey) Piper  
 FRITILLARIA ATROPURPUREA Nutt.  
 FRITILLARIA PUDICA (Pursh) Spreng.  
 FRASERA COLORADENSIS (Rodgers) D.M. Post  
 GAURA NEOMEXICANA Woot. ssp. COLORADENSIS  
     (Rydb.) Raven et Gregory  
 GAURA NEOMEXICANA Woot. ssp. NEOMEXICANA  
 GENTIANELLA TORTUOSA (M.E. Jones) J.M. Gillett  
 GILIA CAPILLARIS Kellogg  
 GILIA MICROMERIA A. Gray  
 GILIA STENOXYRSA A. Gray  
     *Ipomopsis* s.  
 GOODYERA REPENS (L.) R. Br.  
 HACKELIA GRACILENTA (Eastw.) I.M. Johnst.  
 HAPLOPAPPUS FREMONTII A. Gray ssp. MONOCEPHALUS  
     (A. Nels.) H.M. Hall  
     *Oonopsis* foliosa var. m.  
 HERRICKIA HORRIDA Woot. et Standl.  
 HUECHERA RICHARDSONII R. Br.  
 HUECHERA RUBESCENS Torr. ex Standsbury  
 HYMENOXYS HELENIOIDES (Rydb.) Cockereil  
     *Picradenia* h.  
 HYPOXIS HIRSUTA (L.) Coville  
 IPOMOPSIS CONGESTA V. Grant ssp. CREBRIFOLIA  
     (Nutt.) A. Gray  
     *Gilia* c. var. c.  
 IPOMOPSIS GLOBULARIS (Brand) W.A. Weber  
     *I. spicata* ssp. *capitata* *Gilia* s. var. c.  
 IPOMOPSIS POLYANTHA (Rydb.) V. Grant var. POLYANTHA  
     *Gilia* p.  
 JUNCUS BRACHYCEPHALUS (Engelm.) Buchenau  
 JUNCUS BREVICAUDATUS (Engelm.) Fern.  
 LEPTODACTYLON WATSONII (A. Gray) Rydb.  
 LESQUERELLA CONGESTA Rollins  
 LESQUERELLA PARVIFLORA Rollins  
 LESQUERELLA PRUINOSA Greene  
 LILLIUM PHILADELPHICUM L.  
 LINUM ARISTATUM Engelm. ex Wislizenus  
     *Mesynium* a.  
 LISTERA BOREALIS Morong  
 LISTERA CONVALLARIOIDES (Sw.) Nutt.  
 LOMATIUM CONCINNUM (Osterh.) Mathias et Constance  
 LOMATIUM EASTWOODIAE (C. et R.) Macbr.  
     *Aletes* e.  
 LOMATIUM FOENICULACEUM (Nutt.) C. et R. ssp.  
     MACDOUGALII (L. et R.) Theobald  
 LOMATIUM LATILOBUM (Rydb.) Mathias  
     *Aletes* l.  
 LUPINUS CRASSUS Payson  
 LYCOPODIUM ANNOTINUM L. var. PUNGENS (La Pylaie) Desv.  
     L. dubium  
 LYGOESMIA DOLORESENSIS Tomb  
 MALAXIS BRACHYPODA (A. Gray) Fern.  
     M. monophyllos ssp. b.  
 MENTZELIA ARGILLOSA J. Darl.  
     *Nuttalia* a.  
 MENTZELIA Densa Greene  
 MIMULUS EASTWOODIAE Rydb.  
 MIMULUS GEMMIPARUS W.A. Weber  
 MINUARTIA NUTTALLII Briq.  
     *Arenaria* n.  
 MIRABILIS GLABRA (S. Wats.) Standl.  
     *Oxybaphus* g.  
 MIRABILIS ROTUNDIFOLIA (Greene) Standl.  
     *Oxybaphus* r.  
 MUHLBERGIA DEPAUPERATA Scribn.  
 MYOSURUS CUPULATUS S. Wats.  
 NAMA DENSUM Lem. var. PARVIFLORUM (Greene) C.L. Hitchc.  
 NAMA DICHOTOMUM (R. et P.) Choisy  
 NAMA HISPIDUM A. Gray

NEOPARRYA LITHOPHILA Mathias  
   Aletes l.  
 NEOPARRYA MEGARRHIZA  
   Aletes m.  
 NOLINA TEXANA S. Wats.  
   N. microcarpa sensu Harrington not Watson  
 OENOTHERA ACUTISSIMA W.L. Wagner  
 OENOTHERA KLEINII W.L. Wagner  
 ONOCLEA SENSIBILIS L.  
 OXYTROPIS NANA Nutt. var. OBNAPIFORMIS  
   (C.L. Porter) Isley  
   O. obnapiformis/O. besseyi var. obnapiformis  
 OXYTROPIS PARRYI A. Gray  
 PAPAVER KLUANENSE D. Love  
   p. alpinum/P. nudicaule ssp. radiculatum  
 PARNASSIA KOTZEBUEI Cham. et Sprengl.  
 PARTHENIUM ALPINUM (Nutt.) T. et G.  
   Bolophyta a.  
 PARTHENIUM LIGULATUM (M.E. Jones) Barneby  
   Bolophyta l.  
 PARTHENIUM TETRANEURIS Barneby  
   Bolophyta t.  
 PEDIOCACTUS KNOWLTONII Benson  
 PELLAEA TERNIFOLIA (Cav.) Link var. WRIGHTIANA  
   (Hook.) A. Tyron  
 PENSTEMON CYATHOPHORUS Rydb.  
 PENSTEMON DEGENERI Crosswhite  
 PENSTEMON GIBBINSII Dorn  
 PENSTEMON GRAHAMII Keck ex Graham  
 PENSTEMON HARRINGTONII Penland  
 PENSTEMON LARICIFOLIUS H. et A. ssp. EXILIFOLIUS  
   (A. Nels.) Keck  
 PENSTEMON LENTUS Pennell  
 PENSTEMON MENSARUM Pennell  
 PENSTEMON PARVIFLORUS Pennell  
 PENSTEMON RETRORSUS Paxson ex Pennell  
 PENSTEMON SAXOSORUM Pennell  
 PENSTEMON SCARIOSUS Pennell var. ALBIFLUVIS  
   (England) N. Holmgren  
   P. albifluvis  
 PENSTEMON YAMPAENSIS Penland  
 PHACELIA CONSTANCEI Atwood  
 PHACELIA FORMOSULA Osterh.  
 PHACELIA INCANA Brand  
 PHACELIA INTEGRIFOLIA Torr.  
 PHACELIA SUBMUTICA J.T. Howell  
 PHLOX KELSEYI Britt. var. SALINA (M.E. Jones) Wherry  
 PHYSARIA BELLII Mulligan  
 PHYSARIA OBCORDATA Rollins  
 POA MACROCLADA Rydb.  
 PLANTANTHERA SPARSIFLORA (S. Wats.) Schlechter  
   Habenaria s./Limnorchis s.  
 PORTULACA PARVULA A. Gray  
 POTENTILLA AMBIGENS Greene

POTENTILLA EFFUSA Douglas ex Lehmann var. RUPINCOLA  
   (Ostern.) Th. Wolf  
   P. rupincola  
 PRIMULA EGALIKSENSIS Wormskjold ex Hornemann  
 PSORALEA AROMATICA Payson  
   Pediomelum aromaticum  
 PSORALEA MEGALANTHA Woot. et Standl.  
   Pediomelum megalanthum  
 PTILAGROSTIS PORTERI (Rydb.) W.A. Weber  
   P. mongolica ssp. p./Stipa p.  
 RANUNCULUS GELIDUS Kar. et Kir.  
   R. grayi  
 RORIPPA COLORADENSIS Stuckey  
 ROTULA RAMOSIOR (L.) Koehne  
 RUBUS ARCTICUS L. var. ACAULIS (Michx.) Focke  
 SALIX CANDIDA Flugge  
 SALIX LANATA L. ssp. calcicola (Fern. et wlg.) Hulten  
 SALIX SERISSIMA (Bailey) Fern.  
 SAPINDUS DRUMMONDII Hook. et Arn.  
   S. saponaria var. d.  
 SAXIFRAGA FOLIOLOSA R. Br.  
 SAXIFRAGA MICROPETALA (Small) Fedde  
   Muscaria m.  
 SCIRPUS CAESPITOSUS L.  
   Baeothryon c.  
 SCIRPUS PUMILUS Vahl.  
   Baeothryon p.  
 SCLEROCACTUS GLAUCUS (K. Schum.) Benson  
 SCLEROCACTUS MESAE-VERDAE (Boiss. et Davidson) Benson  
 SELAGINELLA SELAGINOIDES (L.) Link  
 SELAGINELLA WEATHERBIANA Tryon  
 SENECEO DIMORPHOPHYLLUS Greene var. INTERMEDIUS  
   T.M. Barkl.  
   Packera d. ssp. i.  
 SISYRINCHIUM DEMISSUM Greene  
 SISYRINCHIUM PALLIDUM Cholewa et D. Henderson  
 SOLIDAGO NEMORALIS Ait var. LONGIPETIOLATA  
   (Mackenzie et Bush) Palmer et Steyermark  
 SOLIDAGO PTARMICOIDES (Nees) Boivin  
   Aster p.  
 SMILAX HERBACEA L. var. LASIONERON (Hook.) A. DC.  
 SPHAEROMERIA CAPITATA Nutt.  
   Tanacetum c.  
 SPIRANTHES DILUVIALIS Sheviak  
 SPOROBOLUS FLEXUOSUS (Thurb.) Rydb.  
 SULLIVANTIA PURPUSII (Brand) Rosenahl  
 THALICTRUM HELIOPHILUM Wilken et DeMott  
 THELYPODIUM LAXIFLORUM Al-Shehbaz  
 THELLUNGIELLA SALSUGINEA (Pallas) Schulz  
 TOWNSENDIA STRIGOSA Nutt.  
 TRIFOLIUM ANDINUM Nutt.  
 TRIFOLIUM KINGII S. Wats.  
 TRILLIUM OVATUM Pursh  
 WOODSIA PLUMMERAE Lemmon



## SOME HORROR STORIES INVOLVING RARE PLANTS

In a recent memorandum Dr. Faith T. Campbell of the Natural Resources Defense Council described two recent prosecutions for violation of plant protection laws (and noted that these represented the first prosecutions ever for the Fish and Wildlife Service). A Texas cactus dealer was fined \$4,000 for illegal re-export of Mexican cacti without permits under the Convention on International Trade in Endangered Species. (FWS alleged in 1982 that the same person used counterfeit permits to import 100,000 cacti from Mexico, but no charges were pressed.)

In another case, a couple in Michigan were fined and given suspended jail sentences for interstate shipment of about 4,000 lady slipper orchids that were collected in violation of Michigan law. As this case was developed, information indicated the pair had sold 77,000 orchids or more in recent years.

Dr. Campbell also stated, "This summer (1985) an estimated 700 plants of the orchid Habenaria (Platanthera) blephariglottis were taken from a preserve in northwestern Pennsylvania. Unfortunately, Pennsylvania's plant protection law is still being drafted."

These incidents serve to remind us all of the severe threats that exist for attractive or otherwise special plants. Remember that native orchids offered for sale are almost invariably wild-collected, possibly illegally. Ask all your gardening and plant-loving friends to consider the implications of purchasing any wild-grown plant---do we really want to encourage the existence of such a market?

Conservation Committee/Sue Martin



## DUES REMINDER

Have you paid your dues??? CONPS dues are payable on a calendar year basis, except that those joining in the last third of a year are credited with payment for the following year. Dues notices for calendar 1986 were mailed in early December. To check on your status, look at your mailing label on this newsletter---it says (in the upper right-hand corner) "PD THRU \*yr", which should be self-explanatory! If you are "PD THRU \*85" your membership has expired, and this newsletter may be your last!! Do it now---send your dues and return your "blue sheet" questionnaire to the Membership Committee at P.O. Box 200, Fort Collins, CO 80522. The flora of Colorado thanks you!

---Membership Committee

### COLLECTING TRIP TO FLORISSANT FOSSIL BEDS NATIONAL MONUMENT

The annual all-member collecting trip to Florissant Fossil Beds National Monument took place on Saturday, July 20th. Due to a week of cloud bursts and flooding, with more expected, it was a small group of seven that met early before the rains. The purpose of the trip was to collect species previously uncollected and re-collect others we needed for addition to the herbarium the society is forming for the Monument.

We covered an area that we had not worked in before, exploring a drainage basin of a branch of Grape Creek in the southeast part of the Monument. The elevation here rises to 8,800 feet and a small stream runs northwest through a ravine shaded by aspen and large granite boulders. It is a beautiful area. The vegetation here is, in many respects, almost sub-alpine - a surprise, as we did not expect to find this type of area at Florissant. We collected fourteen species new to our list, and nearly everyone had the fun and excitement of adding something new to the Florissant plant inventory. A few of the species found were:-

Swida sericea Red-osier dogwood  
Pyrola asarifolia Swamp wintergreen  
Orthilia secunda One-sided wintergreen

Linnaea borealis Twin-flower  
Viola biflora Twin-flower violet

---MEMBERSHIP RENEWALS AND INFORMATION---  
Please direct all membership applications, renewals and address changes to the MEMBERSHIP chairperson, in care of the Society's mailing address.

-----SCHEDULE OF MEMBERSHIP FEES-----  
LIFE \$250.00 FAMILY OR DUAL \$12.00  
SUPPORTING 50.00 INDIVIDUAL 8.00  
ORGANIZATION 25.00 STUDENT OR SENIOR 4.00



*Pedicularis groenlandica*

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-----NEWSLETTER CONTRIBUTIONS-----  
 Please direct all contributions to the  
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There is a special need for short filler  
 items such as some unusual information  
 about a plant, a little known botanical  
 term, etc. Please include author's name  
 and address, but items will be printed  
 anonymously if requested.

Please direct all other inquiries  
 regarding the Society to the SECRETARY in  
 care of the Society's mailing address.

RETURN AND MAILING ADDRESS  
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 Fort Collins, CO 80522