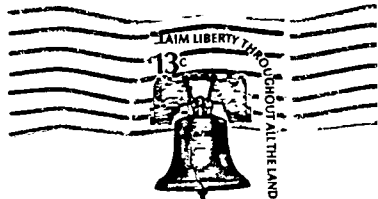


NATIVE PLANT SOCIETY OF N.M.
2016 Valle Rio
Santa Fe, New Mexico 87501



June 77

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Cornus stolonifera Redosier Dogwood

Stoloniferous, thicket-forming shrub with ascending, spreading or prostrate branches, attaining a height of 3-7½ ft.

Drawing, Kathy Isaacs



Native Plant Society of New Mexico
June Newsletter

Phyllis Hughes
editor, 982-1739

Claudia Hubbard
membership, 889-5918

Our thanks to Roger Peterson for a most informative and entertaining talk on flowering parasites, enhanced by many fine slides. Five categories covered were:

{ Krameriaceae
Scrophulariaceae
Santalaceae
Convolvulaceae
Orobanchaceae
Phoradendron
Arceuthobium

Of especial interest to his listeners were the fascinating characteristics of the true (Phoradendron) and dwarf (Arceuthobium) mistletoes of this area. An illustrated GUIDE TO MISTLETOES OF ARIZONA and NEW MEXICO, one for each attending member, was a most welcome addition to the discussion.



Phoradendron Juniperinum
Juniper Mistletoe

June Speaker

Dr. William Martin will speak on the composites of New Mexico, Saturday, June 25, 7:30 at the home of Melissa Savage, 1404 Cerro Gordo Road, Santa Fe. Look for a NPS sign on the mailbox!

Dr. Martin is professor of botany at the University of New Mexico. He has worked for seventeen years on Flora of New Mexico which will soon be published. This will be an especially welcome and rewarding talk.

FIELD TRIPS

Two Native Plant Society field trips in the Jemez mountain area coming up, both led by Irene Mitchell of Los Alamos. The first trip, June 18, meeting at 10 A.M., in Los Alamos will go to the Los Alamos Canyon, an easy-walking 2-3 hour trip. The second, July 2, meeting at 9 A.M., a six-mile walk through the Wilderness section of Bandelier National Monument, especially to see Wood Lily and hopefully wild orchids.

For both trips the meeting place is the parking lot of Los Alamos Inn on Main Street (a continuation of Route 4). Bring lunch and water canteen and Irene suggests good walking boots for comfort.

The New Mexico Wildflower Association plans a field trip to Wheeler peak June 25-26. Arrangements have been made for the use of the cabin at the D. H. Lawrence ranch near Taos and space will be available for outdoor campers. The plan is to climb Wheeler on the 25th and take a shorter flower walk on the 26th. Reservations and details for car-pooling and meeting place may be obtained by calling Mary Alice Root, Albuquerque 266-0561 after June 13.

We thank Mrs. Schooley for the utterly beautiful field trip between the villages of Bernal, Los Cerritos and Villanueva.

The following is a partial list of the plants we saw:

Antherium torreyi

Artemesia sp.

Aster bigelovi

Berlandiera lyrata

Conium maculatum

Crypsopsis villosa

Dalea formosa

Dalea jamesii

Erisimum capitatum

Euphorbia sp.

Gaura coccinea

Haplopappus spinulosus

Harbouria trachypleura

Hymenoxys argentia

Ipomea sp.

Lesquerella sp.

Leucelene ericoides

Lycium pallidum

Mentzelia pumila

Mirabilis grandiflora

Nolina texensis

Oxytropis serilea

Penstemon jamesi

Plantago patagonia

Prosopis juliflora

Psoralea tenuiflora

Quercus grisea

Rhus trilobata (aromatica)

Senecio spartia

Solanum sp.

Tradescanta occidentalis

Verbena bipinnatifida

Vitis arizonica

Cacti

Echinocereus stramineus

Echinocereus triglochidiatus

Echinocereus viridiflorus

Opuntia arborescens

Lichen

Parmelia arcenia

G. H.

Plant Sale, May 28

The plant sale netted about \$1600. That should help in the arboretum attempt!

Many plant books sold but those that did not are the property of the Native Plant Society and so we are the owners of about \$450. worth of books which, little by little, should bring some money to the Society.

Money matters aside, people seemed enthusiastic about being able to buy native plants. Some did not sell and that may be because they were kinds unknown to prospective buyers. Other more familiar plant material at the sale sold well; the miniature roses, cacti, herbs and bedding plants.

Thanks to everyone for their help!

Thirty of the people attending the sale gave their names and expressed special interest in knowing more about the Native Plant Society or were putting in requests for specific native plants.

G.H.

Plantings at Santa Fe High School

Two beautiful pinons have been planted at the Santa Fe High School Biology building due to the efforts of the biology teachers and generous contributions from the Honors Society. An additional smaller contribution came from the Native Plant Society. (The donors are thanked).

Noreen Poitras, head of the City Tree Commission, arranged for acquisition of these trees for the cost of moving them from a new-road site.

Pedro Ortega has worked on other aspects of the hoped-for plantings at the Biology building; good water faucets, a fence, soil and other necessities. Some wild flower seed has come from the Native Plant Society and Helen Foster, Joe Armendarez, Mrs. Najjar and other trojan workers ask that you remember them when clearing your garden of excess verbena, zinnia, penstemon, and other native beauties.

Water Conservation: Bishop's Lodge Waste Water System

The Bishop's Lodge is planning to put its sewage waste water to use. This short article may give some idea of this important and self contained use of waste water - water high in much needed nitrogen - for crops before it returns to the water table.

The Bishop's Lodge can accommodate 166 in staff and visitors, and it has, in addition to its pleasant rooms, a restaurant, bar and laundry. Jim Thorpe, the owner of the Lodge, working with John Wright, an engineer with Gorden & Associates, now has the following design for a discharge system. The sewage water- 6,790 gals. on an average day, 19,400 gals. on days of 100% occupancy - after coming to a septic tank is passed into leach beds composed of small rock (about 1" dia.). After passing through two such beds it goes into a large holding area, 15' 10' 8' deep, filled with larger rock (1" - 6" dia.), 550 gals. capacity. This area fills and empties periodically and the water is further aerated and purified. From here it seeps into a holding tank in the middle of the rock bed. The walls of the holding tank are unmortered block. From this tank the water is pumped by a 3 hp centrifugal pump onto the fields. The fields will be planted in fescue, 3 acres, for the Bishop's Lodge horses. The water will be delivered to the fields in aluminum pipes, 30 feet apart, with Rainbird sprinkler heads every 30 feet (each with a 40 foot sprinkling radius). The amount of water to the fields is 6.9 acre feet/ year, i.e. 2.3 acre feet/acre/year. About 1.5 acre feet/acre will be used by the plants and transpired, .84 acre feet/ acre will return to the water table. The estimate of the nitrogen given to the fields is 300 lbs/acre/year. The quality of the water reaching the leach field and of that returning to ground water is estimated to be as follows:

concentration in mg/litre	to the leach field	to ground water
Bio Chemical Oxygen Demand	200	2
Chemical Oxygen Demand	800	8
Suspended Solids	100	0
Nitrogen Total	45	8
Phosphorus	7	2
Toxic Parameters	Nil	Nil

VACATION NOTE

A short vacation (two weeks to a month) need not leave house plants thirsty and shriveled. Prescription: Water plant normally. Take two pieces of wire or coat-hangers and bend to make a frame big enough so that plastic cover will not touch leaves. Set pots in saucer and put container on the middle of a sheet of polyethelene plastic (garment bag is fine) pull plastic smoothly over top of frame and tie tightly at top making sure there are no air holes. Leave plants where they will get good light but not in sunny windows.



JULY NEWSLETTER

The July Newsletter will be a listing of the current paid-up membership of the Society. Any members who wish to be included, please ascertain that yearly (\$5.00) dues are paid for the coming year. New members please send in your dues by July 1.

Field notes and other plant information from southern New Mexico Society members will be most welcome for inclusion in future newsletters.

Those who want to join, please send \$5.00 dues (\$8.00 family) to Claudia Hubbard, 2097 Camino Lado, Santa Fe, New Mexico 87501.