

NNREC Newsletter

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Fall 1992

Nevada Natural Resource Education Council



Notes From The Chair

The theme for this issue is Recycling. Solid waste management has become a major issue nationwide, and recycling is easily one of the best ways available to help alleviate the problem. Education has been very successful in making our children aware and getting them involved, but more is needed. We must continue to work toward educating manufacturers, the consumers and the government officials as well, promoting the wise use of packaging materials, increasing the demand for recycled products, and proper handling of recyclable materials. Working together, "We can make a difference!"

The Annual Meeting of the NNREC will be held Saturday, November 14 in Reno. I encourage all members to attend. (Some travel costs may be reimbursable, call me if this is a concern.) A tentative agenda is included elsewhere in this newsletter. If you have any other issues you wish to be addressed, please call me.

Elections will be held at the Annual Meeting. (You should be in practice by then.) Nominations for State Chair and two Board Members may be made to any member of the Nominating Committee (Sue Jacox, Mark Kimbrough, Chris Miller, or Jim Rathbun).

See you in November, and don't forget to vote!

John Jones
State Chair,
Nevada Natural Resource Education Council

NNREC Annual Meeting

Notice of Annual Meeting

Saturday, November 14, 1992
9:00 am to 3:00 pm
Rancho San Rafael Park, Reno

Tentative Agenda:

- Chapter reports
- Budget report
- Action Plan - review and revision
- Newsletter - themes and other changes
- Grants - Forest Service and others
- Association with other EE organizations
- Outdoor Education Workshops
- PLT, WILD, WET, and NatureScope
- Other Education programs - current and future
- Elections - State Chair and Board Members
- Awards

Contact John at:

NV Division of
Forestry
4747 W. Vegas Drive
Las Vegas, NV 89158
486-5123

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September

- 19-20 *Project Learning Tree, Las Vegas* ②
 22 *Autumnal Equinox*
 25-27 *Mining & Environmental Education Workshop, Elko* ①

October

- 1 *NNREC Southern Chapter Meeting, Las Vegas*
 3-4 *Project WILD, Las Vegas* ③
 8 *Aquatic Project WILD planning meeting, Las Vegas* ③
 24-25 *Aquatic Project WILD, Las Vegas* ③
 30 *NNREC nominations deadline*

November

- 5 *NNREC Southern Chapter Meeting, Las Vegas*
 14 *NNREC Annual Meeting, Reno* ①
 15-20 *National Interpreter's Workshop, Santa Clara, CA* ①

December

- 3 *NNREC Southern Chapter Meeting, Las Vegas*
 7-10 *Grantwriting from Conception to Completion, Sparks* ①
 21 *Winter Solstice*

January

- 1 *NNREC newsletter deadline*

For more information about:

- ① this calendar item, see the article elsewhere in this newsletter
 ② Project Learning Tree, contact John Jones at 486-5123 (Las Vegas) or Pat Murphy at 687-4350 (Carson City).
 ③ Project WILD, contact Dave Sanger at 688-1555 (Reno) or Geoff Schneider at 486-5127 (Las Vegas).

Southern Chapter of NNREC meetings are the first Thursday of each month (excluding July and August) at 7:00 PM, at the Nevada Department of Wildlife, 4747 W. Vegas Drive in Las Vegas. Contact Elsie Hardenbrook at 363-1921 for more information.

Friends of Red Rock Canyon meetings are the third Saturday of even months.

Mojave Native Plant Society meetings are the third Thursday of each month, at 7 pm at the Desert Demonstration Gardens in Las Vegas.



Upcoming Workshops in Las Vegas

Project WILD

Sat., Oct. 3 at Nevada State Museum
 Sun., Oct. 4 at Red Rock Canyon Visitor Center

Aquatic Project WILD

Sat., Oct. 24 at Nevada State Museum
 Sun., Oct. 25 at Red Rock Canyon Visitor Center

If you are interested in attending these

workshops, please call Elsie at 363-1921 for more information.

If you are interested in assisting facilitate the Aquatic workshop, join the Aquatic Project WILD team at the planning meeting Thurs., Oct. 8 at 7 pm at the Bureau of Land Management office at 4765 Vegas Dr. Questions? Call Elsie at 363-1921.

The 1992 National Interpreters Workshop

The National Association for Interpretation [NAI] presents the 1992 National Interpreter's workshop: BRIDGES TO UNDERSTANDING in the San Francisco Bay Area this Fall. Held at the Santa Clara Convention Center from November 15-20, it will feature general and concurrent sessions, special events, field trips, management seminars and more. Registration packets and further information can be obtained by writing to NAI, PO Box 1892, Fort Collins, CO, 80522 or by calling (303) 491-6434.

This annual workshop is held through out the United States and this year is an opportunity for Nevadan's to participate without a lot of travel. It will be at least three more years before it will be held on the West Coast again.

NAI is a non-profit, professional organization devoted to furthering the goals of interpretation, and to developing excellence in delivery of interpretive services. Members come from a wide range of backgrounds, including naturalists, educators, park rangers, nature center and museum personnel, exhibit designers, and historians.

Get That Grant: Grantwriting from Conception to Completion

A comprehensive four day grant writing workshop will be held in Sparks, Nevada at John Ascuaga's Nugget, on December 7-10, 1992. This nationally acclaimed workshop is being sponsored by the Carson-Walker and North Cal-Neva Resource Conservation and Development [RC&D] Area Councils. It is being presented by Dr. Barbara Bader and Mr. Steven Carr, the Directors of Community Systems of Bozeman, Montana.

Each workshop participant receives a detailed 250 page training manual including a proposal writing guide and essential background resources for grant seekers. Each workshop is limited to the first 30 paid applicants.

For further information on the grant writing training program or to register for the workshop, contact the Carson-Walker RC&D Area Council, PO Box 3543, Carson City, Nevada, [702] 883-2292 or the North Cal-Neva RC&D Area Council, 1030 No. Main Street, Suite 101, Alturas, Calif, [916] 233-4314.

Nevada Outdoor Education Workshop Sue Jacox

An enthusiastic group of teachers and resource agency personnel sampled a variety of environmental education teaching materials and techniques at the seventh annual Nevada Outdoor Education Workshop. The 4-H Camp with log cabins in the Jeffrey pine forest at the shore of Lake Tahoe provided a perfect site for outdoor investigations of the forest, animals, water, and plants. Project WILD, NatureScope, cooperative activities, and discussion leading skills prepared participants to share nature studies with their own students. Project Learning Tree was a focus for the first time this year, and participants experienced over a dozen PLT activities and received copies of the guidebook.

Special guests added their talents to the workshop. Fred Horlacher told true Nevada Tales of early Tahoe, the comstock, and Dat-So-La-Lee. Mark Kimbrough led a very informative walk around beautiful Spooner Lake. Linda Pence, Pat Murphy, and Debbie Weyerhaeuser led PLT activities, and Dave Sanger and Pam Ertle presented Project WILD.

Fire danger kept us from having our traditional evening camp fires, but beach volleyball, a luau, and creative "unfire" activities complete with songs and s'mores fostered camaraderie. Teachers, State Park, and National Forest people headed back to work with a wealth of environmental education resources to share.

Plan now to join us at Tahoe next summer in early August for more outdoor studies and your choice of college or teacher recertification credits. Call Sue Jacox at 849-1890 for more information.



Annual NNREC Awards

John Jones, State Chair, is seeking nominations for the annual NNREC awards. Categories include northern Chapter, southern Chapter, state, and organization. One winner will be selected from each category. John will accept nominations, preferably in writing, until October 30. Send nominations to: John Jones, Nevada Division of Forestry, 4747 W. Vegas Drive, Las Vegas, NV, 89158. If you have questions, call John at 486-5123.

Mining and Environmental Education Workshop

Join NNREC in a workshop in Elko Sept. 25th-27th. This workshop is a planning

workshop for the Intermountain Training Team but the agenda allows anyone interested in EE to participate. There will be round table discussion on Mining and EE and on Saturday a tour of a local mine. One Saturday afternoon there will be updates on all the local and national EE programs; Project Wild, Project Learning Tree, USFS forest investigation series, EPA grants, etc. For more information call Mark Kimbrough 831-0494.

Nominations

Nominations are being sought for offices. Contact John Jones, State Chair, at 486-5123 (Las Vegas).

Cutting Down on Trash Gini Mitchell

Reducing household waste is more than recycling, reusing and shopping selectively. We must remember those items ultimately end up in a landfill.

We can easily select a plastic bottle that is recyclable, keep glass jars for food storage, save paper bags for trash disposal, and use plastic dinnerware to reuse at potlucks to help in reducing the trash flow. But, not buying that convenience food item because it is over-packaged, or borrowing or renting items you use only occasionally may take some personal commitment.

Americans have become a throw-away society. Nationally, estimates indicate that each person produces about five pounds of trash each day. As cities become larger, the waste problem grows. Waste disposal is an immediate, critical issue all over the country. People are discovering there is no easy solution to the problem. Federal and state standards are increasing cost or closing

landfills altogether.

People are starting to look at using garbage as a resource rather than a refuse to be buried or burned and forgotten.. Reducing and reusing are the more viable alternatives; however, no single method will solve the problem.

What can we do? Briefly, we can analyze what we throw away. Think about the goods, services and activities we buy or support. Purchase and dispose of items in ways that generate less trash. Support reduction by buying post-consumer-recycled materials as well as goods that can be recycled, and find markets that are "closing the loop."

There are many books and articles that suggest ways to cut down on trash. Most important we need to find out how we can make a difference and share the knowledge with others.

continued next page

*“Whatever befalls the Earth
befalls the children of the Earth.
Man did not weave the web of Life.
He is merely a strand in it.
Whatever he does to the web,
He does to himself.”*

Chief Seattle - 1854

Recycling Facts

An estimated 14 billion pounds of trash are dumped into the sea every year.

The average American family produces about 100 pounds of trash every week.

Americans buy (and throw away) 500 million disposable cigarette lighters every year.

We throw away enough iron and steel to supply all of America’s automakers continuously.

About 75% of America’s glass is used for packaging.

In the United States, about 70% of all metal is used just once ... and is then discarded.

At the rate we’re generating garbage, we need 500 new dumps every year.

About 50% of paper in the U.S. is used solely for packaging.

You can wash out plastic bags and reuse them.

In 1987, America produced over 50 billion pounds of plastic.

One third of the paper mills in the U.S. use waste paper exclusively.

You will generate about 600 times your adult weight in garbage in your lifetime.

Every 3 months, the U.S. throws away enough aluminum to rebuild our commercial airfleet.

Paper towels and toilet paper are often made from recycled paper.

The largest single source of waste paper collected for recycling is corrugated boxes.

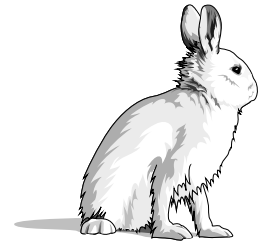
A recycled aluminum can is typically remelted and back in the store within six weeks.

The world’s shipping industry dumps over 450,000 plastic containers into the sea every day.

Over a billion trees are used to make disposable diapers every year.

Every year, America generates about 1,200 pounds of solid waste per person.

Aluminum foil is recyclable.



Residential Environmental Camps

Jim Rathbun

A subcommittee of the Clark County School District (CCSD) Environmental Education Committee has focused on efforts to develop plans for residential environmental camps which would provide environmental instruction to student groups at camps where the students would stay 2-3-4-5 days.

Chris Chairsell, Chairman from the UNLV NEE-Net program; Kay Rohde, Chief of

Interpretation at Lake Mead National Recreation Area; Candy Snider, Partnership Program CCSD; Dr. Dave Holmes, Recreation Department at UNLV; and Jim Rathbun, teacher with CCSD are meeting regularly to gather data, possible locations, curricula, financial support, and community acceptance of instituting an environmental education residential camp program. We are looking at the successful programs in California and other states to get ideas and direction. We foresee 3 to 5 years necessary for complete development and believe the urban population of school age children in southern Nevada would be great supporters and participants in a well-developed program.

WREEC Annual Meeting - Park City, Utah Jim Rathbun

Western Regional Environmental Education Council (WREEC) held its annual meeting August 7th through 11th at Park City, Utah. WREEC is a coalition of 13 western states with directors being representatives appointed from the State Departments of Education, a natural resource agency, and an at-large member usually associated with water education. The meeting had 43 members attending. Dave Sanger, Project WILD (PW) Coordinator for Nevada Department of Wildlife; Bob Lawson, Science Specialist for Washoe County School District; and Gini Mitchell of Nevada Cooperative Extension served as directors and Jim Rathbun attended as an associate member. The agenda was full. Andy Pasternak reported on the progress of updating and rewriting of Project Learning Tree (PLT). Andy stated that their goal is to make PLT more user-friendly and more relevant to the changing schools' populations. Most rewrites have occurred and field testing will be done this fall. New publications will be available this winter.

Cheryl Charles enumerated the changes in PW and other supplemental materials which will be available. The updating and rewriting of the most successful environmental education curriculum ever produced was exciting and worthwhile. In making this program a better one for teachers and resource agency personnel to use, many new materials and teaching techniques were embodied into the revisions.

Josetta Hawthorne, CEO of WREEC, discussed the program NatureScope, a K-8

environmental education program which has been published by the National Wildlife Federation, is now being sold and distributed by WREEC at some financial benefit. This program will probably include a training effort and more integration into existing PW and PLT workshops.

Several speakers stressed the reality that the world of today and the future will be much different for all of us, educators as well as natural resource agency personnel. In education, we will be faced with much more information to know and learn within human systems already facing overload. We must do more to teach people how to think than what to think. We must make learning more relevant and real. We must make education more accessible to everyone and a life-long process. This will indeed mean a revolution in teaching and training of teachers. The curricula will become "Omegaula," where environmental themes such as global warming, biodiversity, and populations will be incorporated into science, math, social studies, English and physical education. There will be a lot more process and hands-on learning activities in the classroom and laboratories.

Resource agency personnel must become more public accessible. Their efforts must be made to support non-consumptive use of resources rather than consumptive use. The uses must be for the benefit of all the population and not limited to special interest groups. This means protection of natural habitat, efforts to preserve biodiversity and the modification of the workforce to include large numbers of ethnic groups and more women. Departments of Wildlife will get away from programs of "shoot and hook" to ones of recreation, hiking, photography, habitat development, access by disabled Americans and environmental education.

Both groups will be required to do more with less as the world economy becomes a reality. The challenge for WREEC is to continue to develop environmentally sensitive curriculum, stimulate natural resource agencies to participate with State Departments of Education to develop and disseminate these curricula to the schools and teachers who educate the citizens of tomorrow.



The NNREC Newsletter is published three times a year (Fall, Winter, Spring) by the Nevada Natural Resource Education Council, P.O. Box 28272, Las Vegas, NV 89126-2272. All Active and Supporting members receive the Newsletter.

Send newsletter submissions and ask for additional information from the Coordinating Editors:

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Mark Kimbrough - Northern NV
PO Box 8867
Incline Village, NV 89452
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Submission deadlines are:
Winter January 1
Spring April 1
Fall September 1

Send address changes to: NNREC, P.O. Box 28272, Las Vegas, NV 89126-2272. Please use the membership form below, with your old mailing label on the reverse, if possible.

NNREC Officers

Chair:

John Jones

Vice Chair (Northern Chapter President):

Dale Shute

Vice Chair (Southern Chapter President):

Jim Rathbun

Treasurer:

Jim Rathbun

Directors:

Elsie Hardenbrook

Sue Jacox



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Please Join Us! Nevada Natural Resource Education Council Membership Application

Name _____

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City _____ State _____ Zip+4 _____

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Membership Category

- Active \$15 (includes newsletter)
- Associate \$10
- Supporting \$25 (includes newsletter)
- Change of Address

Chapter Preference

- Northern Nevada
- Southern Nevada

Make checks payable to NNREC

Membership is renewable at the beginning of every calendar year. Mailing label indicates type of membership (S=supporting, A=active, C=complementary), and current membership year.

Mail to:
NNREC
P.O. Box 28272
Las Vegas, NV 89126-2272

Welcome New Members

Loretta Gibbs, Nevada Wildlife Federation
William Pankratius
Judy Smith
Donna Stonecipher
Project WILD Coordinator

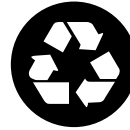
Hello Again Renewing Members

Dan Allison
Nancy Holmes
Barbara Hood
Lois Rohay

What do they mean?

Although not required or used consistently, these recycle symbols mean:

Recycled



Recyclable



This type of symbol, found on plastics, does not necessarily indicate recyclability (only types 1 & 2 are commonly recycled), but helps in separating plastics for recycling.



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Newsletter Themes

This issue: Recycling

Next issue (Winter): Winter Ecology and Activities

Nevada Natural Resource Education Council

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