

# EE CONNECTIONS

Vol. 11, No. 1: Winter 2003

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*Bosque Education Guide*



## **“Respect the Rio” Comes to New Mexico**

Contributed by Lisa Matlock

All things are connected and everything rolls downhill, and into our watersheds. This simple statement sums up what “Respect the Rio” is all about.

In 1994, “Respect the River” was dreamed up in the Pacific Northwest by current Santa Fe National Forest Fisheries Biologist, Sean Ferrell, as a tool for helping to manage dispersed recreation sites in the Okanogan National Forest. Sean and a resource team worked to build a multimedia suite of educational messages.

Through this educational suite, “Respect the River” assists Forest visitors in loving their streamside camping spots more lightly and more respectfully. Educational messages take the form of a Contact Ranger program, in which Forest staff regularly talk to visitors about how they can use their campsites more carefully, and to inform them about restoration projects and other changes they can expect in their favorite recreational areas. “Respect the River” also includes installation of interesting and beautiful interpretive signs at dispersed sites, publication of newspaper ads and radio spots highlighting aquatic issues, and presentations at school programs and events to teach children and their families how they can help keep their rivers healthy.

When Sean Ferrell was hired by the Santa Fe National Forest in 2000, he brought “Respect the River” with him. However, he wanted the program to reflect the unique values of Southwestern culture; so, here in New Mexico we know it as “Respect the Rio”. Sean quickly began pursuing grant funding to link education with watershed restoration projects. Dispersed campsites within the Rio Guadalupe watershed were inventoried, and he hired an Education Coordinator for “Respect the Rio” in the Santa Fe National Forest. The Forest Service received a grant from the New Mexico Environment

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## Summer Newsletter Deadline:

**May 1, 2003**

The EE Connections Summer Newsletter will go out in June, 2003. The deadline for articles and information is May 1. Please submit long or short articles about environmental education and other closely related topics. In addition, information about materials and opportunities is welcome. Please send your contributions to Stephanie Dobbie at the e-mail address below. If you send an attachment, it should be a Microsoft Word document *without* any special formatting. Call Stephanie at (505) 256-4343 with any questions or special requests.

**Send newsletter contributions to:**  
**stephaniestansbury@earthlink.net**

## Resource Guide Listings Needed

EEANM needs your help in compiling a statewide resource guide. This guide will connect New Mexican's interested in Environmental Education throughout the state. If you are interested in listing yourself or your organization please contact Dana Vackar Strang at dvackar@slo.state.nm.us or New Mexico State Land Office, P.O. Box 1148, Santa Fe, NM 87504-1148.

## Message from the President

Notable Quotes: The Story You Want To Tell

While we have all learned the value of communication over great distances through our use of email, we need to remind ourselves of the benefits derived from face to face contact. Conversations with a colleague, a friend, or a partner over coffee at Starbucks or a personal visit to someone's office to conduct business can be very rewarding. A side benefit to office visits is the opportunity to experience the work environment of a colleague. Years ago, I visited Peg Sorensen at her BLM office in Albuquerque, NM. While Peg answered a phone call, I observed notable quotes on the wall of her cubicle. This one was remarkable: "While information may be infinite, the ways of structuring it are not...your choice will be determined by the story you want to tell." (Richard Saul Wurman) So, just remember to make office visits on occasion. You might be surprised what you learn. For a REAL learning ADVENTURE, pay a visit to Dr. Deb Thrall at her office in Johnson Center on the UNM Campus.

Richard W. Becker, PhD.  
President

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Have a message for the Board? E-mail them at  
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## Multi-Facilitator Training

The Environmental Education Association of New Mexico will be hosting a Multi-Facilitator Training class on March 21 and 22 in Albuquerque. The two-day workshop is an opportunity to re-activate and re-energize educators that are trained facilitators or teachers for the various project curricula within the state. This first of several trainings will highlight Project WET, Project WILD, Project Learning Tree and introduce the Leopold Education Project. This is an outreach effort by EEANM to build capacity in New Mexico.

The first day of the workshop will focus on the issues of hosting a workshop and implementing the Project curricula into a classroom or non-formal setting. Topics will include: What Makes a Good Workshop?, Naturalistic Inquiry, Project Based Learning, Correlating State and National Standards, and more. The second day participants will choose one of the four Projects to discover what is new to that Project, and what their responsibilities will be as a facilitator.

The newest component for New Mexico facilitators will be the introduction of a mentoring process. All of the participants of the Multi-Facilitator Training will commit to conducting teacher workshops, however, they will not be alone. Each Project manager will assign a mentor to work with each of the facilitators for the first two workshops. At each workshop, the mentor will take on a little less of the responsibility with the facilitator taking on more.

The Multi-Facilitator Training will be held at the beautiful Albuquerque Open Space Visitor Center near the bosque at 6500 Coors Blvd. The cost will be \$25.00 per participant and will include lunch for both days. Registration will be accepted between February 28 and March 10, 2003. Space is limited, so early registration is encouraged. Go to [www.eea.nm.org](http://www.eea.nm.org) for more information and to download a registration form.

For more information or to have a registration form mailed to you, please contact Project WILD Coordinator, Kevin Holladay at (505) 476-8095, [Kholladay@state.nm.us](mailto:Kholladay@state.nm.us), or Leopold Education Project coordinator, Dr. Richard Becker at (505) 255-7156.

## ECO-ED The Listserv for New Mexico Environmental Educators

If you haven't signed on to the eco-ed listserv, you are missing a great information link on what's up in New Mexico Environmental Education. Signing up is easy; just follow the directions below.

The following is an example of how you would subscribe if your email address was [leo@aldo.org](mailto:leo@aldo.org)

1. Convert your email address as follows:  
**[leo@aldo.org](mailto:leo@aldo.org)** becomes **[leo=aldo.org](mailto:leo=aldo.org)**
2. Add your converted email address to this phrase:  
**[ecoed-subscribe-leo=aldo.org@lists.nm.org](mailto:ecoed-subscribe-leo=aldo.org@lists.nm.org)**
3. To subscribe, send an email message to:  
**[ecoed-subscribe-leo=aldo.org@lists.nm.org](mailto:ecoed-subscribe-leo=aldo.org@lists.nm.org)**
4. Don't put anything in the subject line or in the body of the message.
5. To send a message to the listserv, address it to:  
**[ecoed@lists.nm.org](mailto:ecoed@lists.nm.org)**
6. To unsubscribe from the listserv, send an email to:  
**[ecoed-unsubscribe-leo=aldo.org@lists.nm.org](mailto:ecoed-unsubscribe-leo=aldo.org@lists.nm.org)**
7. To reply to an individual's message on the listserv, please create a new email message with their email address in the "To" field. Do not press "Reply" or your message will go to the entire listserv.

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## Exploration of Female Outdoor Leadership

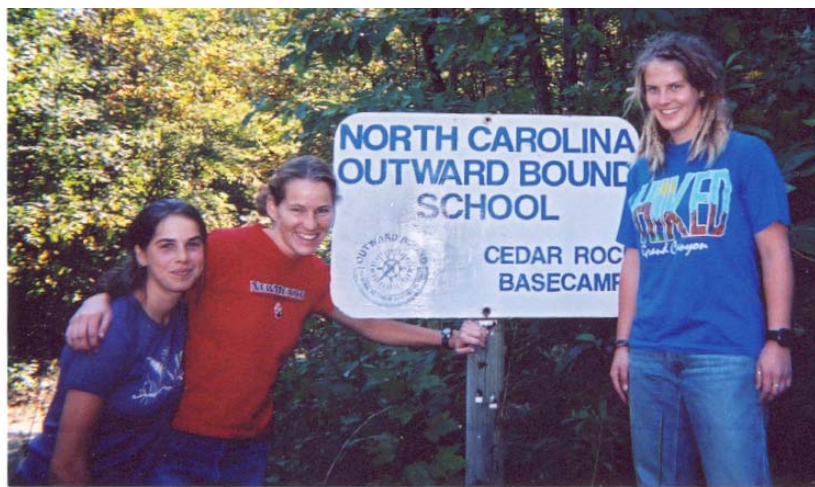
Contributed by Deborah Brown, Allison Ramsey, and Meliza Wezler

Recently, on a trip to the North Carolina Outward Bound School, three Environmental Education Master's Students from the University of New Mexico attended the seventh annual Women's Outdoor Leadership Conference. At this conference, Allison Ramsey, Meliza Wezler, and Deborah Brown had the opportunity to experience a cross-generation gathering of female wilderness instructors. This venue created an incredible opportunity for women to come together and share their environmental and outdoor experiences. Allison, Meliza, and Deborah represented the voice of New Mexico by bringing the unique southwestern environmental perspective to this national conference.

Allison and Meliza presented a workshop entitled "Bringing the Outdoors to Everyone: How to Teach about your Local Ecosystem." This included topics on the Bosque Education Guide and Bosque Ecosystem Monitoring Program. Their workshop provided insight to New Mexico's growing water concerns. Deborah is the coordinator for the Natural High Program at the University of New Mexico. She was able to contribute new experiential education ideas to many of the conference workshops. In exchange, she learned new outdoor concepts that can be added to the Natural High Program's adventure education activities.

The main conference theme was "Rites of Passage" and addressed how different lifestyles and perspectives in the outdoor field are developed. Women from over fifteen states came together to open their minds and allow a creative space for important conversations that help motivate females working in the outdoors. The rejuvenating workshops included, "Expeditionary Learning", "Cowgirl Leadership", "Working with Girls in and out of the Woods", and "Wilderness Medicine." The conference culminated with a powerful panel discussion taking place with seven panelists spanning three generations representing women's outdoor leadership. This honest discussion involved an autobiography of each woman, showing ways to navigate and balance the journey of life's adventure and experiences. These outdoor role models shared stories from the daughter, mother, and grandmother perspective that helped inspire conversations on family, relationships, and self-actualization.

All of this transpired in the Pisgah National Forest with a backdrop of Cedar Rock Mountain in the midst of fall colors and a season of change. This luscious landscape helped provide the groundwork for bringing knowledge, inspiration, and resources together.



*Meliza Wezler, Deborah Brown and Allison Ramsey shared their expertise during the Women's Outdoor Leadership Conference at the North Carolina Outward Bound School.*

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## Who's Got the Water?

Contributed by Susan Gorman

Is there water on Zork? What's it like to be swimmin' in the Rio Grande? Who's got the water?

Nearly 1000 fourth grade students from Albuquerque, Los Lunas and Rio Rancho learned the answers to these water questions and more at the fourth Middle Rio Grande Children's Water Festival, a celebration of water education, held at the Albuquerque Convention Center on October 17 and 18, 2002.

As they got off the buses, the Water Wizard, who knows all there is to know about H<sub>2</sub>O, greeted the students. Later, they met the Xeric City Scarecrow who assisted them as they built water filters to purify water from the Rio Grande. During the Festival, students negotiated water-sharing agreements and looked for "bugs" in the water to determine its purity, created a mini-river and used a groundwater model to "see" how water moves underground.

This year, students from Highland and Rio Grande High Schools were Masters of Ceremony for a Water Jeopardy competition. Bosque School students taught about Cottonwood forests, and Albuquerque Academy Environment Club members showed the fourth graders how to make an Edible Aquifer. "The younger students pay special attention because they really respect the older students," said Festival Manager Susan Gorman.

Dozens of organizations and individuals donated time, resources, and money to make the MRG Water Festival possible. More than 175 people guided groups of students, presented activities, assisted the presenters or did a variety of tasks to ensure that the event ran smoothly and that the students had fun while they learned.

Thanks to the folks in the New Mexico Environment Department, Surface Water Quality Bureau, planning for the first Santa Fe Water Festival is well underway. The Santa Fe Water Festival will be held March 13 and 14, 2003, at the Sweeney Center.

Over 500 fourth grade students from schools in Santa Fe and Espanola will participate. The program of activities is nearly complete and we are looking for volunteers to assist at the Festival guiding student groups, assisting activity presenters and just helping to ensure that the Festival goes smoothly.

### Why Water Festivals?

Why is water education so essential? In various ways, water made the news during all of 2002. Back in May, we learned that we could not hike many of our favorite trails or visit those special places due to lack of water which increased fire danger. The fires of 2002 will be remembered for years to come, as many square miles of forests were wiped out, houses lost, and millions of dollars spent to fight the fires. Folks in Santa Fe spent the summer enduring the Stage 3 Water Shortage Emergency. They learned how precious water is as they endured wilting flowers, brown grass and dirty cars. They learned to take short showers and collect what little rain water there was in rain barrels.

As more people move to Santa Fe and the Middle Rio Grande valley and drought becomes more prevalent, conserving and protecting water becomes more challenging. In 15 years, the fourth grade students will be facing water challenges head on. They will be the water engineers and managers; the voters and decision makers. They must have the facts, concepts, values and critical thinking skills to make educated decisions regarding water. Water Festival organizers hope that the Water Festival provides the teachers and their students with some of those facts, concepts and values, and that the Water Festival is a catalyst that sets off a chain reaction for even more water education to take place in every school and home.

For more information or to volunteer, contact Festival Manager Susan Gorman, at (505) 259-7190, or at [waterwiz@pioneerwest.net](mailto:waterwiz@pioneerwest.net). To learn more about future Children's Water Festivals log onto [www.pioneerwest.net](http://www.pioneerwest.net).



# THE BOSQUE EDUCATION GUIDE:

## It's A Whole New Animal!

Three years ago, we set out to update the “Bosque Education Guide” (BEG). We had no idea what a huge response we would get from teachers and resource managers who provided new activities and information. Now, the guide, which will be published in mid-February, is over 600 pages and has more than 25 completely new activities. In addition, many activities from the 1<sup>st</sup> edition (1995) have been revised. The targeted age range for the guide has been expanded to K – 12. The new version includes activities on geology, water, agriculture, and human interactions with the landscape. Some of the skills emphasized include internet web quests, journaling, and collecting oral histories. There is a correlation to state education standards for all grade levels and all subjects. The guide will be available free to teachers who attend a day-long training or for sale at the gift shops at the New Mexico Museum of Natural History and Science or the Rio Grande Nature Center.

### New Partner Page!

The Bosque Education Guide's Second Edition is hitting the streets, but that's not all that is new to our program. We plan to have a BEG page in each issue of EE Connections to keep teachers updated on information, ideas, events, and opportunities for using the bosque in their teaching. Please submit drawings, writings, ideas, advice, etc. for this page only to Mary Stuever, [sse@nmia.com](mailto:sse@nmia.com) or P.O. Box 474, Placitas, NM 87043.

### Upcoming Workshops

Call the Rio Grande Nature Center at 344-7240 to register for workshops (except for March 22). Register for the Jemez Pueblo Workshop (March 22) by calling Audrey Casiquito, Jemez Pueblo Department of Resource Protection at (505) 834-7696.

What?	When?	Where?
Facilitator's Training	February 20 & 21, 2003 8:30 – 4:30 both days.	Rio Grande Nature Center, Albuquerque
Educator's Training	March 1, 2003 9 a.m. – 4 p.m.	National Hispanic Cultural Center, Albuquerque
Educator's Training	March 15, 2003 9 a.m. – 4 p.m.	Rio Grande Nature Center, Albuquerque
Educator's Training	March 22, 2003 9 a.m. – 4 p.m.	Jemez Pueblo, Site TBA. Call 505 834-7696.
Educator's Training	April 5, 2003 9 a.m. – 4 p.m.	Harrison Middle School, 3912 Isleta SW, Albuquerque

### Keep in touch!

Join the BEG Yahoo Group to receive timely information, participate in discussions with other educators, and learn more about the bosque. Go to [www.groups.yahoo.com/BosqueEducationGuide](http://www.groups.yahoo.com/BosqueEducationGuide). Or send an email to Mary Stuever at [sse@nmia.com](mailto:sse@nmia.com) to request to be added to the group.





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## High School Environmental Design Contest Coming Up

WERC will soon be taking applications for the 6th Annual High School Environmental Design Contest, which will be held on the New Mexico State University campus in Las Cruces, NM the week of April 6-10, 2003.

The high school contest, which coincides with WERC's Annual Environmental Design Contest for university teams, was developed in 1998. This unique and innovative contest is designed to introduce high school students and their teachers to environmental research and engineering design. It also provides competition as well as an outstanding learning experience.

The process involves a six to seven-month period in which the design team will be involved in conducting research, developing a design, acquiring materials, demonstrating a bench-scale prototype, analyzing regulations, writing formal reports, and generating a scientific poster display and oral/visual presentation. Senior-level environmental professionals from across the U.S. representing academia, government and industry serve as judges during the design contest.

For more information, contact Bryan Swain, WERC Contract Training Coordinator, (800) 523-5996, or visit [www.werc.net](http://www.werc.net).

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## Fourth Annual Bi-National Water Festival Gathers Thousands

The fourth annual Bi-National Water Festival brought thousands of students, teachers and organizations from across the border area to learn about local water issues as well as to recognize October as Paso Del Norte Water Awareness month. With the collaboration of more than 100 organizations, WERC coordinated the water festival in Las Cruces, El Paso and Ciudad Juárez. "The purpose of the water festival was to heighten awareness of the shared water issues in this region and to promote understanding that everyone has a part in saving and protecting water," said Diana Ecklund Perez, Water Conservation Education Specialist at El Paso Water Utilities.

The main focus of the water festival was to promote understanding of the Paso del Norte region's surface and groundwater situation and to encourage involvement in community conservation and pollution prevention programs. This year's theme, "Discover Your Watershed Rio Grande/Rio Bravo," was developed after the Discover a Watershed: The Rio Grande/Rio Bravo curriculum. Teachers were invited to a one-day workshop that was presented at the University of Texas at El Paso to prepare for the water festival.

The events started on Oct. 7 at 10 a.m. when the mayors of Las Cruces, El Paso and Ciudad Juárez signed a proclamation that served to promote awareness of the Paso del Norte water sources and recognize the importance of the shared surface and groundwater resources among border communities. "We take water for granted," Las Cruces Mayor Rubén A. Smith said after the opening ceremony. "I really appreciate the fact that we have the youth

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involved in this.”

The proclamation signing took place on the banks of the Rio Grande/Rio Bravo at the U.S./Mexico Boundary Marker Number One and also included the U.S. and Mexican Commissioners of the International Boundary and Water Commission. “Cities want water, agriculture wants water and nature wants water,” Ciudad Juárez Mayor Lic. Alfredo Delgado Muñoz said. “We have to educate to avoid conflict and not say, ‘this water is only ours and I won’t share.’ That is not the solution.”

This year also marks the thirtieth anniversary of the Clean Water Act, which in 1972 created water quality standards and pollution control programs. El Paso Mayor Raymond C. Caballero said he understands the importance of clean water in the border area.

“These waters unite us,” Caballero said. “We must take care of (the Rio Grande) and the ground waters underneath it.”

The Water Festival was held in the Las Cruces Downtown Mall on Oct. 15. On Oct. 18, the festival

was in Ciudad Juárez in the Parque Central. The festival ended in El Paso at the Coliseum/Equestrian Center on Oct. 22. All activities were free and open to the public. More than 10,000 elementary and middle school students are estimated to have attended the festivals.

The Water Festival included many hands-on activities and informational booths designed to teach attitudes and values that lead to a lifetime of water-wise lifestyles. More than 30 presenters attended the festivals in El Paso, Las Cruces and Ciudad Juárez and displayed topics covering aspects of water and water conservation. Games and demonstrations included water bingo, musical chairs played with “chair-toilets”, a low flow versus normal flow showerhead exhibit, and a presentation on how to measure a person’s water weight. Many presentations were bilingual to accommodate the border region.

“Although we are separate countries and states, the watershed has no boundaries and it takes everyone within the Rio Grande/Rio Bravo Watershed to be proactive to protect this precious resource,” Perez said.

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Department, Surface Water Quality Bureau, which has made it possible to jumpstart this program.

“Respect the Rio” will begin its Contact Ranger program on over 80 heavily-used, dispersed campsites along the Rio Guadalupe (within the Jemez and Cuba Ranger Districts) during the summer of 2003. Student Conservation Association interns will contact visitors daily about camping practices and will conduct formal interpretive programs at developed campground amphitheatres to spread the word to day-users of riparian areas as well. Interpretive signs will be installed in dispersed sites, and a webpage is currently under construction for virtual visitors. The Education Coordinator has been busy presenting to school groups and at special events. “Respect the Rio” even has temporary tattoos!

The Santa Fe National Forest is keen on spreading the “Respect the Rio” love to other organizations. If you are interested in better connecting your area’s visitors to their beloved streams along with limiting controversy associated with management changes to these areas, contact Lisa Matlock ([lmotlock@fs.fed.us](mailto:lmotlock@fs.fed.us)) or Sean Ferrell ([saferrell@fs.fed.us](mailto:saferrell@fs.fed.us)) of the Santa Fe National Forest.

If you are interested in applying for the Student Conservation Association internships associated with this project, check out the job description and apply now at [www.thesca.org](http://www.thesca.org). *See page 14 of this newsletter for the job description.*





## Advanced Project WILD Workshops Natural History Weekends for Educators

Observe and participate in field research and learn activities that you can use in your classroom. Earn Continuing Education Credit from the University of New Mexico! Three FREE and exciting weekend outings are coming up this year. These educational weekends (K-12) are very popular and often fill up early!

### **Desert Bighorn Sheep- April 24-27, 2003, *Little Hatchet Mountains, near Lordsburg, NM***

These rugged mountains in the Chihuahuan Desert harbor one of the best herds of the state's endangered Desert Bighorn Sheep. We will be assisting Department biologists in studying their population. We will learn about what makes for great bighorn sheep habitat, their interactions with mountain lions and other factors that are affecting their survival.

### **Trout, Mountains and Forests- July 18-20, 2003, *Santa Fe National Forest, near Pecos, NM***

The cool, conifer forest on the edge of the Pecos Wilderness will be our backdrop for exploring the upper Pecos River watershed. We will be studying the habitat needs and life history of our native Rio Grande Cutthroat. The workshop will be led by fisheries biologists, watershed ecologists and fly fishers who will be demonstrating how and why they do their research. The focus is on teacher-training (K-12) with practical, hands-on activities that can be repeated with students. College credit is available from the University of New Mexico. You will learn:

- how to tell what constitutes good riparian habitat
- what is happening with whirling disease in New Mexico
- how to sample for stream insects and fish, including snorkeling and electroshocking
- how to measure water quality
- how to fly fish!

### **Coming Into the Watershed- September 25-28, 2003, *Gila National Forest, near Cliff, NM***

The Gila River is the backdrop for this hands-on exploration of watershed ecology. Many of your academic content standards in science and language arts can be met by utilizing what you will learn in this free camping weekend. Activities will highlight classroom applications and connections to literacy. The focus is on learning watershed activities that you can replicate with students. College credit is available from the University of New Mexico. You will gain experience and learn about:

- water quality sampling and monitoring
- the federally endangered Gila trout and recovery efforts
- measuring riparian plants and stream health
- stalking nocturnal invertebrates and amphibians

These educational weekends are designed for teachers and adults interested in learning more about wildlife and their habitats. The format is strongly weighted towards content and how to integrate it into effective classroom teaching strategies. There is *no cost* for the weekend but participants are responsible for their own food. Each participant also receives a hefty packet of information on the subject. For more information or to register, contact: Kevin W. Holladay, Conservation Education Section, (505) 476-8095, [Kholladay@state.nm.us](mailto:Kholladay@state.nm.us) or Colleen Welch, (505) 476-8119, [CEWelch@state.nm.us](mailto:CEWelch@state.nm.us).

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# MATERIALS & OPPORTUNITIES

## Announcements from the New Mexico Department of Game and Fish Conservation Education and Project WILD Section

**Coloring Books:** The Endangered Species, Life Zones, Aquatic Wildlife of New Mexico and Wildlife of New Mexico Coloring Books have all been revised and are available for use in educational classroom settings.

**Posters:** The *Wetlands of New Mexico* poster is now available! The front is a beautiful photo by Don MacCarter of a sunset and Sandhill Cranes at Bosque del Apache National Wildlife Refuge (USFWS) with educational information on the back on wetlands and wildlife.

**Aquatic Resource Education Contracts:** We still have two Fishing Clinic contractors on contract until May of 2003. They would like to reach rural communities with fishing clinics and aquatic resource education presentations. Please call Kevin Holladay if you would like for them to conduct a clinic or presentation in your area, or if you know of a teacher that would like them to come to their school.

**Wildlife Education Trunks:** We have Elk, Bear, Forest Carnivores and Bosque Animal Wildlife Education Trunks available for use in presentations at schools/public events. Track Mold Boxes are also available. These are rubber molds with Tracking and Field Guides. The casting plaster is not included. Newer Wildlife Education Trunks include an Aquatic Bird Adaptation Trunk, and Fish Print Kits. The Fish Print Kits have different species of rubber fish (anatomically correct!) and instructions on how to use them.

**Wildlife Notes:** We have several new one-page natural history notes on wildlife of New Mexico available including Jaguar, Mexican Wolf, Wild Turkey, Beaver, Muskrat, Coati and Bluntnose Shiner.

**Project WILD Basic Workshops:** We are always interested in working with EEANM members in putting on a Project WILD/Aquatic WILD teacher training workshop. These are free workshops for adult educators that last most of the day. We need a minimum of 15 people signed up and committed to being there. Lately, we have incorporated special adaptations for Early Childhood (pre-K to 1<sup>st</sup> grade) educators. If it has been a while since you attended a Project WILD workshop, we have new Curricula and Activity Guides with over 20 new activities! Please contact us if you want us to schedule a workshop in your area.

**Schoolyard Wildlife Habitat:** One great way for educators to learn about wildlife is to develop a Schoolyard Wildlife Habitat/Outdoor Classroom. This is a huge field in conservation education and almost every state has some kind of program to help teachers create an outdoor classroom that has a benefit to wildlife. There are a lot of action projects possible for students of all ages. Projects could include wildlife plantings of wildflowers and shrubs, rock piles for lizards, bee hives, bat boxes, nest boxes and mini-wetlands. We have some great books with designs for building wildlife boxes (birds, bats, squirrels, butterflies etc) and for designing water projects.

### Aquatic Resource Education (ARE) Program Evaluation

The evaluation of the ARE program is moving along. We are in the process now of distributing Public Survey forms to interested members of the public. The evaluation of the ARE program is a critical component affecting the future of our Aquatic Resource Education program. Please contact Kevin Holladay at (505) 476-8095 if you would like to fill out a survey.

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# MATERIALS & OPPORTUNITIES

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## Green Teacher is Seeking EE Book Reviewers

Green Teacher, the non-profit environmental education magazine, is seeking formal and non-formal educators from New Mexico to review the proposed contents of two of three books they will be producing over the next three years. Since each will be interdisciplinary, the editors are seeking educators with expertise in science, social studies, language arts or the arts to provide candid comments.

This year, Green Teacher will be preparing a book for those working with middle school youth, whether in or outside of schools. In 2004 and 2005, Green Teacher will publish books for those working with elementary students, and another for those working with high school students. If you would like to be a reviewer of either of these latter two books, please contact Co-editor Tim Grant at [tim@greenteacher.com](mailto:tim@greenteacher.com) by November 1st. Indicate which book you would like to review and provide a sentence or two about why you would be a good reviewer.

All reviewers will have 2 months to complete their reviews. They will be expected to read no more than 20 pages of the 170 page draft and will be provided with guidelines. The names of all those that submit review comments will be published in the book along with a note of thanks. They will also receive a copy of the book when it is published in late December.

Having published their quarterly magazine for 12 years, Green Teacher's Co-editors Gail Littlejohn and Tim Grant have long wanted to do a "best-of-GT" series. Each of these 200-250 page books will contain at

least 50 of the best articles and activities contributed by educators from across North America since 1991. It is their hope that these "targeted collections" will inspire a much larger number of educators to use innovative environmental education strategies in their programs and classrooms.

While the books will be mostly comprised of articles and activities originally published in Green Teacher, each is intended to be more than a collection of reprints. The editors hope that up to 150 educators will critique the proposed contents of each book. Their candid comments and suggestions will help the editors decide which past articles should be included, which ones need updating and what new articles and activities are needed to make the book more useful to educators.

All reviewers will be asked to review 3 articles selected randomly by the authors - in order to ensure that each of the 50-odd articles are reviewed by several people. Reviewers are free to critique any others that particularly interest them.

To ensure that each of these books are useful throughout the United States and Canada, they are seeking a handful of reviewers from each state and province. If you would like to learn more about Green Teacher magazine or their two books, Greening School Grounds and Teaching About Climate Change, please visit their website at [www.greenteacher.com](http://www.greenteacher.com), or contact them at: Green Teacher, PO Box 452, Niagara Falls, NY 14092, (416) 960-1244.

## Woodsy Owl Activity Guides are Available in Spanish

The Forest Service has Woodsy Owl Activity Guides available in Spanish. The guide offers teachers and after-school group leaders 12 fun and engaging activities. The activities are designed to help children ages 5 to 8 become more aware of the natural environment and fundamental conservation principles. You'll find titles of children's books embedded in the activities that can help stimulate discussion. To receive the free guides, call Jean Szymanski at (505)842-3293. For more educational information for kids and teachers, go to the Woodsy Owl and Smokey Bear website at [www.symbols.gov](http://www.symbols.gov).

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# MATERIALS & OPPORTUNITIES

## **Playa Lakes Conservation Group Seeks Education Partners**

Do your students know what a playa lake is? Do you? If you would like to learn more about these prairie “oases” and their importance to birds and other wildlife, become a partner with Playa Lakes Joint Venture. PLJV is a non-profit conservation partnership, working to preserve and restore the 30,000-plus playa lakes and upland prairies across the Great Plains states for the benefit of birds, other wildlife and humans. Partners include the U.S. Fish and Wildlife Service, New Mexico Department of Game and Fish, Conoco Phillips, The Nature Conservancy, Ducks Unlimited and Natural Resources Conservation Service, among others. PLJV is currently looking for education partners who are providing and developing informational and fun curriculum and outdoor programs for young people in eastern New Mexico. The Joint Venture will soon launch an educational web site and would like input from educators in New Mexico. For more information, contact Debbie F. Slobe, Communications Team Leader, Playa Lakes Joint Venture, 103 E. Simpson, Lafayette, Colo. 80026. Tel: (303) 926-0777; fax: (303) 926-8102; email: [Debbie.slobe@pljv.org](mailto:Debbie.slobe@pljv.org).

## **Guides and Transportation Available for Bosque Fieldtrips**

Bosque School, through a grant from the Albuquerque Community Foundation, has funding to help classes of local students visit the bosque and participate in the Bosque Ecosystem Monitoring Program (BEMP), sponsored by the University of New Mexico and the Bosque School. Funding is available to pay for bus service as well as interns (mostly from UNM) to help lead the trip. Participating students spend one day in the field helping with a UNM study about the long-term environmental conditions of the Rio Grande's riverside forest. Their work will be incorporated into a published scientific study. In addition, there will be some time for supporting environmental education activities. As staffing availability permits, there is also financial support for having a post-visit follow up activity in your classroom. This program runs year round. Interested teachers should contact Dan Shaw at Bosque School by emailing [dshaw@bosqueschool.org](mailto:dshaw@bosqueschool.org) or calling (505) 898-6388.

### **Announcements from the Albuquerque BioPark**

#### **Celebrate International Migratory Bird Day, May 10<sup>th</sup> from 10 am-2 pm**

Learn about migration pathways and the plight of migratory birds. Learn about why keeping your cat indoors is a good idea and how buying shade grown coffee can help save important habitat for birds. Make your own bird feeder. For more information, call the BioPark Education office at (505) 764-6245.

#### **Celebrate National Bear Awareness Week . May 18-24, 2003**

Look for discovery stations and information tables at the Rio Grande Zoo from 10-2:00 at the polar bear exhibit and learn about Bears Around the world and right here in New Mexico.

#### **Summer Volunteer Orientation, May 28th, 9:30 am-10:30 am**

Learn about seasonal volunteer opportunities for teens and adults in the Zoo Education Colores building. Call (505) 764-6245 for more information.

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# MATERIALS & OPPORTUNITIES

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## Forestry Camp Needs Counselors

Would you like the opportunity to learn more about our natural environment? Do you want some great ideas to share with your students? Are you interested in being part of an exciting summer program? If so, the 2003 New Mexico Forestry Camp is perfect for you!!!

Forestry Camp is a 6-day workshop for New Mexico's youth to learn how New Mexicans use, care for, and appreciate our forests. Campers learn first hand how professionals measure trees, track animals, fight fires, evaluate range conditions, study ruins, and much more. Emphasis is on the interrelationships of the many uses of our forest environment.

Each year, Forestry Camp needs volunteer camp counselors --those wonderful people who enrich the campers' experience of the outdoor program. As teachers interested in the environment, you could be a volunteer camp counselor and serve as a positive role model for the campers. As a volunteer camp counselor you will:

- Receive free room and board.
- Network with natural resource professionals and other teachers interested in our forests.
- Participate in an exciting week-long outdoor learning opportunity.

New Mexico Forestry Camp is June 8 -13, 2003, at Rancho del Chaparral in the beautiful Jemez Mountains east of Cuba, New Mexico. The camp takes 60 campers, and we recruit approximately 20 volunteer counselors. Counselors arrive at camp June 7 for orientation. During camp, there is scheduled free time and lots of opportunity to learn about our forests.

New Mexico Forestry Camp is sponsored by the Cuba Soil and Water Conservation District. For more information on Forestry Camp, contact Peggy Ohler (505) 289-3950 email: [pegohler@yahoo.com](mailto:pegohler@yahoo.com), or Marsha Hagerdon (505) 287-4919, email: [mhagerdon@fs.fed.us](mailto:mhagerdon@fs.fed.us). Counselor applications are due by April 25, 2003 and are available by calling either of the contacts listed above.

## Forestry Camp Seeks Campers

Applications are now being accepted to attend New Mexico Forestry Camp. Any New Mexican resident age 13 to 18 with an interest in the outdoors is eligible. Applications are due by April 25<sup>th</sup> and have been sent out to New Mexico middle and high schools. You can also get your applications from the contacts listed above or go to the New Mexico Forestry Camp website at [www.nmforestrycamp.org](http://www.nmforestrycamp.org).

## Junior Duck Stamp Program

Junior Duck stamp contestants (K-12) must research a species of North American waterfowl and its habitat and depict their selected species in an artistic medium. Junior Duck curriculum guides, developed to teach environmental science and habitat conservation, are available online or by calling (703)358-2000. Submission Deadline: March 15, 2003. Submission guidelines are available online at <http://duckstamps.fws.gov>.

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# MATERIALS & OPPORTUNITIES

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## The River Ranger Project

The River Ranger Project, a service-learning and hands-on/minds-on environmental monitoring program for middle school and early high school students (and their parents), is accepting 7 new recruits, age 12-16, who love the Rio Grande. The River Ranger Project is not a club; it is a commitment to the river. Participation may include travels and adventures on the river, from the headwaters to the Ocean. Students cannot be overcommitted with sports or after-school activities, and must be willing to make a two-year commitment to the Rio Grande by speaking out for the voiceless river and forests. Contact Ms. Paula Morgan at (505) 265-2253 for an application or more information. Applicants must know how to swim and there is a \$25.00 uniform fee.

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## Santa Fe National Forest is Seeking Visitor/Youth Educators for Summer 2003

Four (4) Student Conservation Association 12-week Conservation Internships will be open for undergraduate and graduate students during the summer of 2003 at the Santa Fe National Forest, Jemez Ranger District. Two internships follow the semester schedule (May 11-August 2), and two follow the quarter schedule (June 22-September 13). The description of the internship opportunity is below and the website for applying is at the Student Conservation Association website: [www.thesca.org](http://www.thesca.org). The internships include a bi-weekly stipend, housing, and an optional college scholarship available at the end of the internship period.

Located in the northern portion of the state, outside of Albuquerque and Santa Fe, this dramatically diverse landscape encompasses nearly 1.6 million acres of volcanic formations, rugged 13,000 foot peaks, and red rock mesas and canyons. Duties include: working in pairs to help improve the quality of the Rio Guadalupe Watershed system through educational visits to this recreational area and its users, 55%; presenting interpretive campfire programs at the Jemez Falls Campground Amphitheater for visitors throughout the forest, 15%; conducting watershed restoration projects, including trash removal, maintenance of educational signs, campfire ring movement and/or removal, bank

stabilizations, fence additions, willow and aspen planting, 15%; participating in training and performing office tasks, 15%. Education will include daily dispersed campsite visits along Rio Guadalupe, Rio Cebolla, and Rio de las Vacas to educate visitors about appropriate use of the area, to alert them to changes happening in the area, and to document site impacts. Interns will have the opportunity to volunteer on days off with other program specialties including fisheries (stream snorkeling surveys, electro-fishing), range, timber, recreation, heritage, and wildlife.

First aid/CPR, 4WD vehicle use, thematic interpretation, and personal safety training will be provided. Interns will reside in shared trailer facilities. Required qualifications: valid driver's license; some science coursework completed (biology, ecology, fisheries, or other related fields); good physical condition; excellent communication skills; good sense of humor; truly interested in working with diverse groups of people. Desired qualifications: fluency in Spanish; working understanding of Spanish and native American cultural heritage and history; general construction experience for watershed restoration projects; science major interested in becoming a natural resource manager in the future. Go to [www.thesca.org](http://www.thesca.org) to apply.



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## Raptors in the City

<http://www.raptorsinthecity.org/>

"Raptors in the City" is a new inquiry-based science and technology program for grades 4–6 that stars the peregrine falcon. The online portion of "Raptors in the City" guides children through nesting season (roughly February to June) as they watch the rare falcons live via cameras mounted on skyscrapers. The curriculum supports one semester of study, and the students learn environmental, biological, and technological lessons, as well as research skills, based on national science and technology standards. A complete study package for peregrine research is available consisting of assignments, resource lists, rewards, evaluation tools, a reference book, and an e-newsletter. Nesting season (and the Raptors in the City program) begins in February 2003.

## The Water Sourcebooks

<http://www.epa.gov/safewater/kids/wsb/index.html>

The Water Sourcebooks contain 324 activities for grades K–12 divided into four sections: K–2, 3–5, 5–8, and 9–12. Each section is divided into five chapters: Introduction to Water, Drinking Water and Wastewater Treatment, Surface Water Resources, Ground Water Resources, and Wetlands and Coastal Waters. This environmental education program explains the water management cycle using a balanced approach showing how it affects all aspects of the environment. All activities contain hands-on investigations, fact sheets, reference materials, and a glossary of terms. Activities are organized by objectives, materials needed, background information, advance preparation, procedures, and resources. You can download all of the sourcebooks from the EPA website, or order a CD-ROM or Spanish version from the Water Environment Federation at [www.wef.org](http://www.wef.org).

## Water is in the Limelight This Year

March 22 is World Water Day, 2003 is the International Year of Freshwater, and the theme for Earth Day is "Water for Life". Check out these websites to get ideas about how you can celebrate water, and encourage others to reduce their use and pollution of your local water.

<http://www.worldwaterday.org>

[www.wateryear2003.org](http://www.wateryear2003.org)

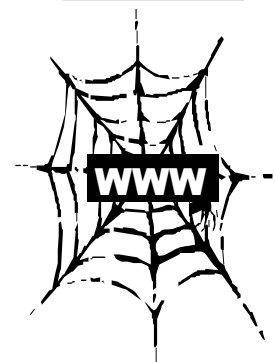
<http://www.earthday.net>

## Stay Connected with EEANM

<http://www.eea.nm.org>

By visiting the EEANM web site, you can get up-to-date information about events, job announcements, volunteer opportunities, requests for grant proposals and more.

EE  
Connected



# MEMBERSHIP APPLICATION

Name:	Affiliation:	
Year-round Mailing Address:		
City/Town:	State:	Zip Code:
Phones: W. (    )	H. (    )	Fax (    )
Email Address:	Web Address:	

## CHECK ONE OF THE FOLLOWING MEMBERSHIP TYPES

- ☐ Limited Income/Student Membership.....\$10.00
- ☐ Individual Membership.....\$25.00
- ☐ Organizational Membership.....\$50.00

(Allows for 1 voting member and 2 general members)

*Name of voting member*

*Names of 2 additional newsletter recipients*

Occasionally, other EE organizations ask for the EEANM mailing list. The EEANM Board is selective in giving out the list to organizations with similar interests or mission(s).

☐ Check here if you object to your name being given to other organizations.

Notes for EEANM Membership Directory: Briefly include, in ten words or less, how you are involved in EE

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