

Keith Winterhalder 1935-2005

285 West 18th Street, #1
 Tucson, AZ 85701 USA
 520.622.5485 voice
 520.622.5491 fax
 info@ser.org

On October 29, 2005, Canadian ecological restorationist (Edward) Keith Winterhalder died in Sudbury, Canada after a long illness. He was 70 years old. Educated in Wales, he attended Aberystwyth University, did graduate work at the University of New England in Australia, and then joined the faculty of Laurentian University in 1965, where he taught until his retirement in 2000 as Associate Professor of Botany.

“Keith was the Clark Kent of SER International,” says Andy Clewell, President-Emeritus of SER

International. “He was one of the hard-working people who helped to start SER, but he never needed the spotlight. He was utterly reliable, intelligent, and enthusiastic about restoration.”

“He was one of those people I always looked out for at any conference,” says Richard Scott, head of Landlife in Liverpool, England. “He achieved so much, and always in a very unassuming way.”

Winterhalder’s international reputation in the field had its roots in his pioneering scientific and practical contributions to the greening of Sudbury, which is the nickel smelting capital of the world. Toxic fumes from the smelting operation poisoned surrounding forests and vegetation for many years, leaving the area scorched. Early in his career, Winterhalder started working on the problem and discovered that the soils could be resuscitated with lime and fertilizer and then native plant species could be successfully reintroduced. “The challenges were formidable,” says Clewell, who toured the site, “because the growing season is very short that far north, and there aren’t that many native species—just a few trees and herbs.” Winterhalder, as chair of Sudbury’s Vegetation Enhancement Technical Advisory Committee for 11 years, was a leader in successfully restoring the area.

In the course of his career, Winterhalder became an international speaker and advisor on restoration. He served as President of the Canadian Botanical Association and of the Canadian Land Reclamation Association. He was a member of editorial boards of scientific journals and was serving on the Editorial Board of the journal *Restoration Ecology*—and actively editing manuscripts—when he died. He won many awards during his career, including the Commemorative Medal for the 125th Anniversary of Canada (1993), the Mary E. Elliott Award, Canadian Botanical Association (1991) the Noranda Mines Land Reclamation Award (1991), the Canadian Parks Service Heritage Award (1990), and Honourary Life Membership, Science North (1987).

He leaves behind a significant legacy to SER International as well.

Winterhalder chaired the Science and Policy Working Group for SER International since 1989, when the committee was formed, and he was one of the three principal authors of the *SER Primer* (along with Clewell and James Aronson). “Keith was not only influential in helping to define the science of ecological restoration, but he was also instrumental in developing SER International’s foundation documents, including the *SER Primer*,” says SER International Board Chair Keith Bowers. “He truly had a keen sense of what ecological



Keith Winterhalder

2006 Board of Directors

Officers

CHAIR **Keith Bowers** Biohabitats, Inc.
v 410.337.3659 kbowers@biohabitats.com

VICE CHAIR

George Gann Institute for Regional Conservation
v 305-247-6547 gann@regionalconservation.org

TREASURER

Suzanne Tuttle Fort Worth Nature Center & Refuge
v 761.35-9148 Suzanne.Tuttle@fortworthgov.org

SECRETARY **Karen Rodriguez** U.S. Envir. Protection
Agency v 312.353.2690 rodriguez.karen@epa.gov

Regional Representatives

ASIA~PACIFIC **Kingsley Dixon** Kings Park and Botanic
Garden v 61.8.9480.3637 kdixon@bgpa.wa.gov.au

EURO~MEDITERRANEAN **Jim Harris** Institute of Water
& Environment, Cranfield University v 44.1525.863451
J.A.Harris@cranfield.ac.uk

LATIN AMERICA~CARIBBEAN **Carolina Murcia** WCS
Fundación Ecoandina v 572.332.9189 cmurcia@wcs.org

MIDWEST US **Bonnie Harper-Lore** FHWA/USDOT
v 651.291.6104 Bonnie.Harper-Lore@fhwa.dot.gov

NORTHEAST US **John Munro** Munro Ecological Services
v 610.287.0671 munroeco@verizon.net

PACIFIC NORTHWEST US **Steve Moddemeyer**
Steve Moddemeyer Company v 206.780.3334
moddemeyer@bainbridge.net

ROCKY MTNS ~ GREAT PLAINS US **Open**

SOUTHEASTERN US **Dave Borland** Biological Research
Associates v 850-681-9700 dwborland@att.net

WESTERN US **Cindy Roessler** Midpeninsula Regional
Open Space v 408.868.0208 skantics@comcast.net

AT LARGE **Bill Halvorson** USGS Sonoran Desert Field
Station v 520.670.6885 halvor@srnr.arizona.edu

AT LARGE **Al Unwin** Niagara College Centre for
Environmental Training v 905-321-0423
auwin@niagarac.on.ca

AT LARGE **Lucinda Jackson** ChevronTexaco
v 925.842.3467 luaj@chevrontexaco.com

AT LARGE **Steve Whisenant** Texas A&M University v
979-845-5579 rangerider@mac.com

AT LARGE **Francisco A. Comin** Instituto Pirenaico de
Ecología-CSIC v 34-976-716035 comin@ipe.csis.es

AT LARGE **Don Eastman** University of Victoria
v 250-479-8382 deastman@uvic.ca

Staff

Executive Director: **Mary Kay LeFevour**
mkl@ser.org

Membership: **Jana Franz**
jana@ser.org

Program Director: **Sasha Alexander**
sasha@ser.org

View from the Chair

By Keith Bowers ■ SER International Board Chair

Are we doing enough?
As we welcome in the New Year I can't help but ask this question. As an organization, what can SER International be doing to better serve its constituency, the profession and the earth? How can SER International have more of an impact on the cultural, social and economic sectors of our global community?

While I have thoughts on all of these issues (and I would certainly be interested in yours!) permit me to focus on just one of these issues for now: economics.

This past fall I was invited to participate in two separate workshops focused on integrating the fields of economics and ecological restoration. On a local level, I took part in Revitalizing Communities through Integrated Restoration, a workshop sponsored in part by the Canaan Valley Institute. The workshop examined the possibilities of encouraging and empowering the growth of a restoration industry for the Appalachian Highlands, a rural and economically impoverished area of the eastern United States. In attendance were representatives from the local, state and federal government agencies, non-government organization (NGOs), industry and business, along with restoration ecologists, conservation biologists and natural resource planners.

What struck me most about this workshop was not the fact that for the first time people were beginning to look at the 'on the ground' relationships between ecological restoration, social institutions and the local economy. Nor was it the fact that for the first time that I know of a report was commissioned on the opportunities and limitations to development of an environmental restoration industry with businesses engaged in creating, enhancing and restoring degraded natural systems. No, what struck me the most was the genuine interest and enthusiastic response exhibited by local politicians and business leaders. Terms like "quality of life" and "sense of place" were actually being mentioned in the same sentence with economic growth and ecological restoration. Can ecological restoration arrest and reverse the impacts wrought by the extractive coal mining and logging industries? The Appalachian Highlands is betting it can. Wow!

On a more global level I also participated in an international symposium convened by James Aronson, James Bilgnaut, and Peter H. Raven on Global Strategies for Restoring Natural Capital, hosted by the Missouri Botanical Gardens in St. Louis, Missouri and sponsored in part by SER International. This workshop included a gathering of ecologists, economists, entrepreneurs, and representatives from all over the globe to explore how natural capital, as a major growth industry (no pun intended), can be adequately and fully integrated with economics.

Three days of meetings, discussions and debates centered on how strategies for restoring natural capital can better inform economic policies, initiate economic planning and stimulate economic actions. While the symposium focused on the accounting of sources, services, sinks and sites for natural goods and services, it also touched on what many may consider tangential issues but integral to the world's economy, including human's relationship with nature. It was exciting to learn about both local programs like Working for Water in South Africa, which combines ecological restoration (removal of invasive species) with jobs, to how ecological economics works on a global level. The results of this symposium, the second in a series, will be documented in a book to be published as part of SER International's book series by Island Press.

Clearly, ecological restoration has an important part to play in our world's future economy. Perhaps we can be doing more to help promote ecological restoration as a critical component in "sustainable development." Talk to your local leaders, support local activities and businesses that integrate ecological restoration into the economy, and promote the restoration industry. Make restoration an important part of your economic activities. Restore the future!

Happy New Year!



SER International Prepares to Launch Global Restoration Network



At SER International, we've witnessed how the rapid development of the science and practice of our relatively young field have outpaced our ability to communicate with one another about all the complex scientific, political and social factors that lead to successful, sustainable restoration. Professionals know that there is an impressive amount of restoration happening around the world, but until now, there hasn't been a central hub of information where practitioners, communities, businesses and government agencies can compare notes, share successes, failures, tricks of the trade and data. And while that invaluable information lies fallow, time, money and energy have been wasted reinventing the wheel. The Global Restoration Network (GRN) is about to change all that.

Last year, we surveyed our members and found that restorationists of all levels were frustrated by the lack of a centralized source of reliable and user-friendly information on restoration. So we started the process of creating one for you. The GRN is a project of SER International, and will be a comprehensive and annotated source for information on resources, funding, research on every kind of biome, forums for conversations with experts, case studies, an expertise directory and more. After a year of planning, SER International will launch the GRN this Spring.

How will the GRN work? Unlike a typical Internet search engine, which pulls up tens of thousands of responses to a query on a topic—most of them irrelevant or repetitive—the GRN will be continually updated and expanded, and will sort all the information for you. User-friendly navigation tools will bring you one click away from what you need.

- Click on thumbnail descriptions of worldwide restoration projects, and then click on their links to jump directly to those sites, and then click again to read Case Studies of the projects.
- Click to read discussion of Best Practices, theory, ethics and philosophy of restoration and then add your own thoughts and ideas to the debates on the online discussion boards.
- Click to see which graduate program, internships, conferences, seminars and continuing education programs are right for you.
- Visit the GRN's Restoration Marketplace for links to hard-to-find suppliers of seeds and other restoration tools and materials.
- Check out annotated descriptions of rare databases on restoration in all biomes.
- The GRN's Expertise Directory will be the first place communities, corporations and governments go to find a qualified restoration expert in their area.
- Click to hear podcasts and view webcasts of restoration experts, conferences, lectures and interviews with the world's most innovative and knowledgeable restoration professionals.

We get more than 20,000 visitors a day to the SER International web site, the majority wanting to know where they can find this kind of information. The GRN is our answer. With Chapters and members all over the planet, and our productive collaborations with the IUCN

and non-governmental organizations all over the world, SER International is uniquely positioned to launch a project of this magnitude.

And here's the best part: the GRN will be free to all users.

Please help us create the most intelligent and up-to-date network possible by emailing us with your ideas for links, databases to include and areas to create. Email SER International Program Director Sasha Alexander, sasha@ser.org

If you'd like to get your name or your company's name on the GRN, contact SER International Executive Director MK LeFevour about Sponsorship opportunities. mkl@ser.org

GRN Preliminary Site Map

GRN Home (Sponsor logos & links)

GRN Database (Case studies, experts & literature)

Ecological Restoration

- Motivation & Rationale
- Theory & Application
- Foundation Documents

Biomes (Ecosystems)

- Tundra
- Taiga (Boreal Forests)
- Temperate Forests
- Coniferous
- Deciduous
- Mediterranean Forests
- Tropical Forests
- Coniferous
- Moist Broadleaf
- Deciduous
- Grasslands & Savannas
- Tropical/Subtropical
- Temperate
- Montane
- Wetlands (Flooded)
- Deserts and Xeric Shrublands
- Freshwater
- Rivers & Streams
- Lakes & Ponds
- Marine
- Coastal (Mangroves)
- Estuarine
- Oceanic
- Regions & Countries
- North America
- Canada
- USA
- Latin America
- Mexico to Argentina
- Caribbean
- Cuba to Guyana
- South Pacific
- Hawaii to New Caledonia
- East Asia
- Japan to Indonesia
- Australia/New Zealand
- South Asia
- Afghanistan to Sri Lanka
- Central Asia
- Mongolia to Turkey
- Middle East
- Iran to Egypt
- North Africa

- Ethiopia to Morocco

- Sub-Saharan Africa
- Liberia to Kenya
- Southern Africa
- Angola to South Africa
- Western Europe
- UK to Greece
- Eastern Europe
- Poland to Bulgaria
- Scandinavia
- Sweden
- Finland
- Norway
- Denmark
- Arctic
- Iceland
- Greenland
- Russia

Source of Degradation

- Timber/Livestock
- Chemical/Mechanized Agriculture
- Irrigation/Salinization
- Urban Development
- Tourism/Recreation
- Invasive Species
- Fire & Weather Disturbances
- Manufacturing Pollution
- Extractive Industries Contamination
- Climate Change

Education & Outreach

- Academic Degree Programs
- Continuing Education
- Certification
- Workshops (Technical/Training)
- Scholarships, Grants & Fellowships

Grants & Funding

- Calls for Grant Proposals
- Foundations & Philanthropic Organizations
- Government Incentives
- Cost-Share Programs (Public & Private)
- Environmental Credits

Conferences & Workshops

- Proceedings
- Upcoming Events

Bulletin Boards

- Discussion Threads
- Q&A
- Networking



Peace Through Restoration

Alexander River Restoration Project

Against a backdrop of suicide bombers, sieges, fences and vitriolic politics, Palestinian and Israeli ecological restorationists and local authorities have been working together peacefully and collaboratively to solve their common environmental problems.

The ribbon-cutting ceremony in the Palestinian city of Tul Karem in early 2005, marked the completion of a landmark phase of the Alexander River Restoration Project, which was launched in 1995. Careful and respectful negotiations between Palestinian and Israeli restorationists and engineers were facilitated by their German colleagues, and touched on the most minute details: Israelis supplied the tent; Palestinians supplied the chairs. Palestinians brought the food; Israelis brought the drinks. Each invited exactly 75 guests. Same-sized flags of Palestine, the Palestinian city of Tul Karem, Israel and the Israeli Regional Council of Emek Hefer, were symmetrically arranged at the front.

“Even during the hardest times of the *intifada*, we were in constant contact with our Palestinian colleagues and continued to work together,” said Amos Brandeis, the Israeli manager and chief planner of the Alexander River Restoration Project. Brandeis spoke at a Special Plenary session during the SER International World Conference on Ecological Restoration in Zaragoza, Spain in September, describing how collaborating on ecological restoration can also be a bridge to peace between people. Describing secret meetings between the Israeli and Palestinian restorationists during the worst months of violence that took place at a hospital in East Jerusalem, Brandeis said, “We agreed never to discuss politics, but only to discuss the project, and we all kept to that agreement.”

Located in the Tel Aviv metro area and bordering the Palestinian cities of Nablus and Tul Karem and the villages between them, the Alexander River became an environmental problem in the mid 1990s, when the Palestinian areas experienced a building boom. All the new houses were connected to a central sewage system that runs into the upper part of the Alexander River. Half of the sewage penetrates into the groundwater that both Israelis and Palestinians drink. The other half reaches what is now the security fence between the two areas, and the sewage simply runs under the fence. Until 1996, the local drainage authority built a small dirt dam on the river every summer so that the sewage would not reach the lower Alexander River. But after 1996, the dirt dam collapsed and the sewage flowed into the river.

“The head of our Regional Council contacted the Palestinian governor of Tul Karem,” said Brandeis. “We met with him and brought a formal treaty that we asked him to sign that said we would, together, sort out this environmental problem that was causing their citizens and our citizens to suffer.” The governor called then-Palestinian Authority Chairman Yasser Arafat to seek guidance, and Arafat said if the Israelis would allocate international funds for the project, Tul Karem should cooperate. The Israelis agreed, and the governor signed the treaty.



After 2003

The Israeli-Palestinian team met and began to identify the sources of pollution, coming up with more than 70, from sewage to stone-cutting and olive-milling industries and a tahini factory, all of which use the river to dump waste. The river, which only flows with fresh water in the winter after the rains, had become a sewage channel during the rest of the year.

The team prepared a plan and the Israeli officials got funding from the German Ministry for Regional Development (BMZ) and the German Regional Bank



Before 1996

Continued on next page

Alexander River Restoration Project

Continued from previous page

for Development (KFW). The Germans also agreed to act as facilitator, running the meetings and helping to clarify the roles of Israelis and Palestinians at every phase of the plan.

"This allowed our collaboration to be completely equal," said Brandeis. "It wasn't Israelis inviting Palestinians to the table, but all of us sitting down to a shared table, with the Germans taking the role of hosts." All participants spoke only English, a neutral language, to further equalize the partnership. Leaving politics strictly aside was the key to fruitful collaboration, according to Brandeis. Some meeting days occurred right after a Palestinian suicide bombing attack, or during the siege of Tul Karem by the Israeli Defense Forces.

"We talked only sewage," said Brandeis. "Interpersonally, we had no problems. We developed genuine friendship and respect on both sides. And with email and cell phones, we were able to communicate easily."

While German engineers prepared feasibility studies, Palestinian and Israeli neighbors were fighting a common enemy: mosquitoes. They were breeding in the sewage posing a health threat because of West Nile disease and others. "During the intifada, we had unofficial cease fires so a contractor could spray the mosquitoes on both sides of the border," said Brandeis. "This was only one example of the many instances of cooperation between the neighbors.

Before any work was started on the Palestinian side of the river, the Israelis implemented an emergency project downriver to build a treatment facility, scrubbed the banks of the river clean and created seven river parks. The security fence had not yet been constructed, and working so close to Palestinian areas should have been dangerous for the Israelis. "Bullets were fired at the village 200 meters north, and at the Israeli soldiers a few hundred meters south," said Brandeis. "They could have easily shot us, but they knew that every Monday at 9 in the morning, the Israeli Jewish managers for the project met there, and they never shot one bullet at us."

For Brandeis, the Alexander River Project collaboration proves that it is possible for neighbors to learn to live together and solve their

problems together. "The huge majority of our friends and family on both sides of the fence just want to live in peace and have a normal life and a better standard of living. Most of us are not extremists. But in the political climate we've been experiencing, ordinary people can't influence larger government policies. That's the tragedy of ordinary people."

In the summer of 2003, the first phase of the joint plan began with the rebuilding of the sewage ponds in Tul Karem. A German engineering firm did the planning, the Palestinian contractors did the building, and the Israeli partners helped with security and logistics, including aiding in the transport of workers who lived in Gaza and who had to pass through Israeli security checkpoints, and helping to get clearance to bring in supplies such as pipes.

The project will continue with dealing with pollution control from industry. Brandeis says he has a dream for the next phase, which is to create a Peace Park on both sides of the river by diverting the sewage upstream and creating a place where Israeli children and Palestinian children can play on the riverbanks. There is a security wall dividing the riverbanks right now, "but it won't be there forever," says Brandeis. "For now, the children will have to play on their own sides, but some day they will play together."

The Israeli-Palestinian collaboration is one important piece of the Alexander River Restoration Project, which was launched by the Alexander River Restoration Administration in Israel, funded by the Jewish National Fund (JNF), a leading environmental NGO represented in Spain, the U.S. and many other countries; Israel's Ministry of the Environment; and local and regional council and drainage authority. In the scope of this project, seven public parks were developed, and local flora and fauna were restored, including an endangered species of large, fresh-water turtles.

For their comprehensive and transdisciplinary restoration project, the Alexander River Restoration Administration was awarded the prestigious International River Prize in 2003 in Brisbane, Australia.



GoodSearch.Com Will Donate Money to SER International

Here is an easy and user-friendly way to support SER International: When you need to do an online search, go to Yahoo!-powered www.GoodSearch.com. A percentage of the revenue generated from advertisers is shared with our organization every time you use their search engine.

On the GoodSearch.com homepage, you will be asked to choose your charity. Type in: Society for Ecological Restoration (please DON'T type SER because there are several other organizations listed under SER that are not related to restoration). Then, search the Internet just like you normally would. Since the site is powered by Yahoo!, you'll get the same high-quality search results you're accustomed to.

The more money the Society for Ecological Restoration raises, the better we can serve our members, so please make GoodSearch.com your new first-stop search engine, and remember to type in Society for Ecological Restoration.

There are lots of simple ways to spread the word about GoodSearch: Send an e-mail to all of your friends. Add a GoodSearch link to the bottom of all of your e-mails. You can also link to GoodSearch.com from your blog.

Dear SER International Member:

Last year, we surveyed the membership and discovered that some members were willing to pay higher dues for more benefits, while other members felt some benefits were more relevant than others. Based on your feedback, we have created six new membership options for 2006. Below is a quick reference guide to help you choose the level best suited for you, and on pages 7 and 8 is the Membership Renewal form. Renew today!

We've also introduced Rolling Membership, which means that your membership is valid for one year from the date you renew or join. We've introduced this new flexibility to meet the needs of busy professionals. But please renew today. You won't want to miss the next informative issue of SERNews or the latest issue of Restoration Ecology!

GUIDE TO 2006 SER INTERNATIONAL MEMBERSHIP BENEFITS

Associate (\$5)

- Electronic SERNews
 - (No voting rights)
- \$20 worth of services for \$5

Student (\$10)

- Same as Basic Member Benefits
- \$260 worth of services for \$10

Basic (\$25)

- Electronic SERNews
 - 30% discount on subscription to Restoration Ecology Journal
 - Discounts on Ecological Restoration, Conservation in Practice and Ecological Management & Restoration
 - 25% discount on SER World Conference registration
 - Access to 23 members-only listservs:
 - Boreal/Arctic & Subarctic Restoration
 - Coastal Ecological Restoration
 - Collaborative Restoration
 - Desert Ecological Restoration
 - Restoration Education & Social Marketing
 - Exotic & Invasive Species in Restoration
 - Forest Restoration
 - Grants Corner: Funding Opportunities in Restoration
 - Grassland/Savannah & Prairie Restoration
 - Indigenous People & Restoration
 - Philosophy & Restoration
 - Prescribed Fire in Restoration & Management
 - Riparian Restoration
 - Restoration Business & Finance
 - Sage & Shrubland Restoration
 - Soil Issues/Soil Seed Bank Management
 - Stream/River Restoration
 - Students in Restoration
 - Urban Ecological Restoration
 - Volunteers in Restoration
 - Watershed & Restoration
 - Wetland Restoration
 - Wildlife Habitat Restoration.
 - Voting rights
- \$260 worth of services for \$25

Full (\$45)

- All Basic Member benefits plus:
 - Print or electronic SERNews option
 - 1 small ad for a year in SER's website Restoration Marketplace
 - 1 event on website's Upcoming Events Calendar
 - 1 project featured on website's Restoration Showcase
 - 1 resume/C.V. posting on website's Job Board
- \$441 worth of services for \$45

Professional Membership (\$125)

- All Full Member benefits plus:
 - 1 print and online subscription to Restoration Ecology Journal
 - 1 medium ad for a year in SER's website Restoration Marketplace
 - 3 events in website's Upcoming Events Calendar
 - 1 copy of The Historical Ecology Handbook*
- \$730 worth of services for \$125

Organization Membership (\$250)

- All Professional Member benefits plus:
 - 2 print and 5 online subscriptions to Restoration Ecology Journal
 - 3 SER World Conference registration discounts
 - 1 large ad for a year in SER's website Restoration Marketplace
 - 6 event's in website's Upcoming Events Calendar
 - 2 copies of The Historical Ecology Handbook*
 - 2 votes
- \$1,288 worth of services for \$250

*The Historical Ecology Handbook: A Restorationist's Guide to Reference Ecosystems

Edited by Dave Egan and Evelyn A. Howell

The Historical Ecology Handbook makes essential connections between past and future ecosystems, bringing together leading experts to offer a much-needed introduction to the field of historical ecology and its practical application by on-the-ground restorationists.

Chapters present individual techniques focusing on both culturally derived evidence and biological records, with each chapter offering essential background, tools, and resources needed for using the technique in a restoration effort. The book ends with four in-depth case studies that demonstrate how various combinations of techniques have been used in restoration projects. The Historical Ecology Handbook is a unique and groundbreaking guide to determining historic reference conditions of a landscape. It offers an invaluable compendium of tools and techniques, and will be essential reading for anyone working in the field of ecological restoration.

Renew your SER International Membership Today!



Society for Ecological Restoration International

285 W. 18th St., Suite 1, Tucson, AZ 85701; Fax: 520-622-5491

SER Membership Application

You May Also Register Online at www.ser.org

Renewing Member New Member Gift Membership

Name: _____

Business/Organization: _____

Address: _____ New address

City: _____ State/Prov: _____ Zip/Post Code: _____

Country: _____ Phone: _____ Fax: _____

*Email: _____

*Required to receive "Welcome Letter," receipt & membership updates

Check here if you prefer that we *not* to share your information with like-minded organizations

Membership Options

Membership term is a full year from date of joining or renewing

Membership Options	Benefits
<input type="checkbox"/> Associate..... \$5.00	Electronic <i>SER News</i> , access to SER Chapters (no voting right)
<input type="checkbox"/> Student*..... \$10.00	Same as Basic Member benefits (see below) * must include copy of student ID
<input type="checkbox"/> Basic..... \$25.00	Electronic <i>SER News</i> , 30% off <i>Restoration Ecology</i> , 10% off other publications, 20% off conference registration, access to SER Chapters and member-only listservs, voting right <i>(benefits worth more than \$260)</i>
<input type="checkbox"/> Citizen of Developing Country**... \$10.00	
<input type="checkbox"/> Full..... \$45.00 <i>(please check one)</i>	All Basic Member benefits plus: access to Members-Only section of ser.org , print or electronic <i>SER News</i> option, one event listing on ser.org 's Calendar, one year small ad on ser.org 's Restoration Marketplace, one project featured on ser.org 's Restoration Showcase, one resume posting on ser.org 's Job Board <i>(benefits worth more than \$441)</i>
<input type="checkbox"/> Citizen of Developing Country..... \$20.00	
<input type="checkbox"/> Professional..... \$125.00 <i>(please check one)</i>	All Full Member benefits plus: one print and online subscription to <i>Restoration Ecology</i> , 3 event listings on ser.org 's Calendar, one year medium ad on Restoration Marketplace and one copy of <i>The Historical Ecology Handbook</i> <i>(benefits worth more than \$730)</i>
<input type="checkbox"/> Citizen of Developing Country..... \$75.00	
<input type="checkbox"/> Organizational..... \$250.00 <i>(please check one)</i>	All Professional Member benefits plus 2 votes, 2 print and 5 online subscriptions to <i>Restoration Ecology</i> , 3 conference registration discounts, 6 event listings on ser.org 's Calendar, one year large ad on ser.org 's Restoration Marketplace and 2 copies of <i>The Historical Ecology Handbook</i> <i>(benefits worth more than \$1,288)</i>
<input type="checkbox"/> Citizen of Developing Country..... \$175.00	

**See worldbank.org for list of eligible developing countries

-over-

Membership Subtotal

Chapter Affiliations

- | | |
|---|--|
| <input type="checkbox"/> Australia..... (no dues) | <input type="checkbox"/> Mexico..... \$15 |
| <input type="checkbox"/> British Columbia/CANADA..... \$ 5 | <input type="checkbox"/> New England/US..... \$10 |
| <input type="checkbox"/> California/US..... (contact www.serca.org) | <input type="checkbox"/> Northwest/US... \$5 Student; \$30 Individual;
\$75 Organization; \$100 Sponsor |
| <input type="checkbox"/> Central Rockies/US..... \$15 | <input type="checkbox"/> Ohio/US..... (no dues) |
| <input type="checkbox"/> Coastal Plain/US..... \$15 | <input type="checkbox"/> Ontario/CANADA..... \$5 |
| <input type="checkbox"/> Europe..... \$13 | <input type="checkbox"/> Texas/US..... \$15 |
| <input type="checkbox"/> Mid-Atlantic/US..... \$15 | |

You may join multiple chapters

Chapter Subtotal

Membership Subscription Discounts (Basic Member and above only)

Restoration Ecology (RE): quarterly, academic, peer-reviewed journal. Published by SER
Please note: If you have checked Professional or Organizational Member you will receive RE as part of your membership benefits.

- | | |
|---|------|
| <input type="checkbox"/> Online Access..... | \$40 |
| <input type="checkbox"/> Print & Online Access..... | \$63 |

RE Subtotal

Ecological Restoration (ER): quarterly, practitioner-based journal.
 Published by University of Wisconsin Press (price includes print and online access)

- | | |
|--|--------|
| <input type="checkbox"/> Individual..... | \$ 45* |
| <input type="checkbox"/> Business (includes 5 online access)..... | \$102* |
| <input type="checkbox"/> Federal & State Agencies (includes 10 online access)..... | \$177* |
| <input type="checkbox"/> Student | \$ 32* |

**outside U.S. add \$10.00/postage*

ER Subtotal

Ecological Management & Restoration (EMR): 3 issues per year. Published by Ecological Society of Australia (price includes print and online access)

- | | |
|--|------|
| <input type="checkbox"/> Individual..... | \$37 |
|--|------|

EMR Subtotal

Conservation in Practice (CIP): quarterly, conservation biology magazine
 (price includes print and online access)

- | | |
|---|------|
| <input type="checkbox"/> US & Developing Countries..... | \$25 |
| <input type="checkbox"/> All others..... | \$29 |

CIP Subtotal

Support the Vital Work of SER

Your tax-deductible donation helps SER support Chapter development, Working Groups like the Indigenous Peoples' Restoration Network, services to the field through the Global Restoration Network and more!

- | | | | |
|-------------------------------|-------------------------------|--------------------------------|--------------------------------------|
| <input type="checkbox"/> \$25 | <input type="checkbox"/> \$50 | <input type="checkbox"/> \$100 | <input type="checkbox"/> Other _____ |
|-------------------------------|-------------------------------|--------------------------------|--------------------------------------|

Thank you for your support!

Contribution Subtotal

.....
 Please include an additional \$20.00 U.S. for wire transfer.

Sorry, purchase orders are not accepted.

TOTAL PAYMENT

Method of payment

- Check or Money Order enclosed: # _____ US Bank accounts only. Rates are in U.S. dollars.

- Credit Card (VISA or M/C only) please include CVM _____

Expires: Month ____ Year ____

Chapter-to-Chapter

SER Europe

Norbert Hölzel is helping to organize the 5th European Conference on Ecological Restoration next year in Greifswald, Germany. The lecturer on ecosystem research and vegetation ecology at the Institute of Landscape Ecology at the University of Münster has been active with the SER Europe chapter since 2002, and now serves on the Board.

The biggest challenges for SER Europe, says Hölzel, are not so different from the challenges most Chapters face: trying to bridge the gap between science and practice in the field. The Chapter strives to build networks among practitioners and researchers, and enhance the exchange of knowledge on a local, regional and European scale, as well as to promote ecological restoration in the policy-making arena throughout Europe.

The 70-member-strong Chapter hosts outstanding and well-attended conferences and seminars on ecological restoration every year. The 2002 meeting in Budapest attracted 250 participants from 28 countries, while the 2005 World Conference on Restoration attracted more than 700. Hölzel says one of the secrets to their success is their database, which includes names of 1,500 people who are interested in the work of SER and willing to attend conferences and learn about restoration. “This means the majority of people who join our events, and even those who participate actively as organizers of conferences and workshops, are usually not SER members!” says Hölzel.

SER Europe faces unique challenges as a Chapter that includes members from different countries who speak many different languages. Chapter officers and members meet and talk about Chapter business during conferences, and during the rest of the year, members communicate via email or have informal meetings. The official language at Chapter events and meetings is English, and Hölzel says while this doesn't usually pose a problem for participants, it can be challenging to transfer knowledge to local practitioners in countries where English is not widely spoken.

In recent years, the chapter focused on organizing the 2005 World Conference on Restoration in Zaragoza, Spain, and also publishing a book called *Restoration Ecology*. The book presents the European viewpoint of the “state of the art” in restoration, including contributions from 17 authors writing on the most relevant topics in restoration and covering nearly all major European habitat types. The book was compiled and edited by Jelte van Andel (from The Netherlands) and James Aronson (from France). It is distributed by Blackwell Publishing. The Chapter has also created a Ph.D. course on ecological restoration in the city of Nijmegen, The Netherlands, and a



From left to right: Francisco Comin, Tiemo Timmermann, Norbert Hölzel, Melinda Halassy, Tomasz Okruszko, Katalin Török, Rudy van Diggelen, Wiktor Kotowski, Kris Decler, Marie-Pierre Vécrin

new Chapter web site is in the works, led by Kris Decler from Belgium (www.ser.org/europe).

In 2006, the main event will be the 5th European Conference on Ecological Restoration in Greifswald, Germany, August 22 - 25. Greifswald is a university town situated at the Baltic Sea about 200 km north of Berlin. The conference is hosted by the University of Greifswald, Department of Botany and Landscape Ecology, chaired by Michael Succow. The conference theme this year is, “Land use changes in Europe as a challenge for restoration—ecological, economical and ethical dimensions.” Keynote speakers will be Michael Succow (Alternative Nobel Price Winner in 1997), Jan Roelofs (The Netherlands), Gary Varner (USA) and James Blynn (South Africa). There will be an array of pre- and post-conference field trips to restoration sites in Germany and Poland. More detailed information can be obtained from the conference homepage: www.ser.org/europe.



Chapter News

New Chapter Forming in New England Area, USA

A new Chapter of SER International has been created in the New England area of the United States (SER-NE). The mission of the Chapter is to foster the integration of science, planning, education and regulation in restoration efforts in New England.

As with the formation of any new Chapter, the Board of Directors of SER International officially accepted SER-NE's ByLaws and Mission Statement. The Chapter's Founding Board is in place and all officially registered with both Federal and State governments. The Directors include: Aimlee D. Laderman, Chair; Mike Toohill, Vice Chair; Ingeborg E. Hegemann, Treasurer; Secretary Cheryl Holdren; Student Directors Jules OptonHimmel and Shawn Callaghan, and Directors-at-Large Mickey Marcus and Sarah Watts.


The first two issues of the *New England Restoration Journal Survey*, spearheaded and edited by Watts, have been published, and Marcus represented the proto-chapter at the SER International Annual Meeting in Zaragoza, Spain in September.

SER-NE has already collaborated in a very productive educational workshop on stream, river, wetland and watershed restoration at the University of Massachusetts, Amherst, in mid-November 2005, organized by the Association of State Wetland Managers (ASWM). The nascent Chapter hosted a lively roundtable discussion on New England issues and interests. (Abstracts and Power Point presentations from the

conference are available at the ASWM website, www.aswm.org.)

All who join SER-NE during 2006 will have the status of Charter Members. (For details of SER International membership options, benefits, and registration see page 6.) SER-NE chapter dues for SER International members are only \$10 (US), and \$15 for non-members. For more information, email ihegemann@bscgroup.com.

Members are welcome to get involved in the Chapter by acting as liaisons to other organizations, or by forming committees in any number of areas, including: Field Trips, Membership, Literature Survey, Website Development, Restoration Site Database Project, Employment Exchange and Meetings. For more information, email SER-NE Chairperson Aimlee Laderman at aladerman@mbl.edu or Vice-Chair Mike Toohill at mtoohill@ensr.com and please include your complete address in your email.

The Chapter is eager to start working on issues and projects in the following areas: low impact development strategies; regulatory opportunities and hurdles; public/private partnerships; upgrading/re-naturalizing agricultural lands; brownfields development; urban revitalization; field trips to in-progress/planned restoration sites; employment exchange; networking; utilizing the dozens of special-interest SER International listservs including the Grants Corner; informal forums to share restoration challenges and successes. Chapter leaders are eager for your ideas, and hope to hear from you. 

Gleanings from Member Listservs

A Question of Exotics

Thousands of SER International members participate on the 23 Members-Only Listservs on a wide range of topics. Below are gleanings from a recent discussion on the Exotic/Invasive Species listserv.

Listserv: Exotic/invasive Species

Subject: Norway Maple Samplings

Scott Fisher wrote:

Hello, I was asked by a client to provide information (timing, control methods, chemicals, etc) on how to control Norway Maple saplings. I would appreciate any information that you have on this subject.

Jesse Bennett replied:

Scott, depending on the ecological appropriateness of fire for the natural community (here in the Midwest [United States], fire is a keystone component of natural communities), Rx fire is very effective if you have fuel—litter, sedge, grass, etc.—to carry a fire. Maples in general are very intolerant of fire. I suggest fall burns in particular, not because of negative impact to the maples, but rather woodland fuels are generally more flammable prior to winter.

If fire is not an option, herbicide is a likely option. Basal bark or cut stump treatments with an ester formulation of triclopyr (Garlon

4, Tahoe 4E) is highly effective any time of year. If foliar application is an option, choose a broadleaf specific (Garlon3A or 2,4D... growing season) unless nontarget vegetation is not an issue (in which case glyphosate works). A foliar application of Krenite in the Fall is another likely option, though I haven't personally used it on maples. For all application methods, follow label directions. Hope this helps.

Paul Fuhrmann replied:

Scott, The response below is similar to successful techniques used by City of New York Parks and Recreation Natural Resources Group Forest Restoration Team. I've seen Tim Wenskus, Senior Forester, demo the "Weed Wrench" to remove saplings of a number of unwanted species. For those not familiar, this is an amazing, simple, designed (lever action) tool that allows selective mechanical removal by many skill levels of users in sensitive areas or sites where herbicide use is not an option. I've used the weed wrench to pull saplings or shrubs and use the disturbed soil areas to immediately replant and seed. Primary targets for use of this tool in my part of the world are Bush Honeysuckle and Glossy Buckthorn.

Connect to the News of Restoration

RESTORE: SER Restoration Bulletin

“Canadian Prime Minister Weighs in on the Tribal Land Rights Bill”; “Rainforestation in the Philippines”; “Is a Healthy Environment a Human Right?” These are just a few of the headlines in SER International’s newly revived E-Newsletter RESTORE. Each newsletter includes a digest of annotated links to the most interesting and relevant stories about restoration in the worldwide media, from regional newspapers to national broadcasts. The newsletter is free to Members and non-Members and is emailed to subscribers every two weeks.

“A Members-Only area of www.ser.org is under construction and will offer daily editions of RESTORE, including news alerts, articles, information and more,” says SER International Executive Director MK LeFevour. “The general bulletin will still be emailed out every other week, but our Members will be able to get the latest news immediately.”

To subscribe, visit www.ser.org/content/restoration_network.asp and you’ll soon be receiving links to news, op-ed pieces and articles on restoration from around the world. If you have a news item that you’d like to be included in an issue of RESTORE, email SER International Program Director Sasha Alexander at sasha@ser.org



Keith Winterhalder

Continued from page 1

restoration meant on both a global and local scale. Keith Winterhalder’s contributions to SER International will surely be missed.” The *Primer* defines the terms and principles of ecological restoration, including attributes of restored ecosystems, definitions for exotic species, reference ecosystems and more.

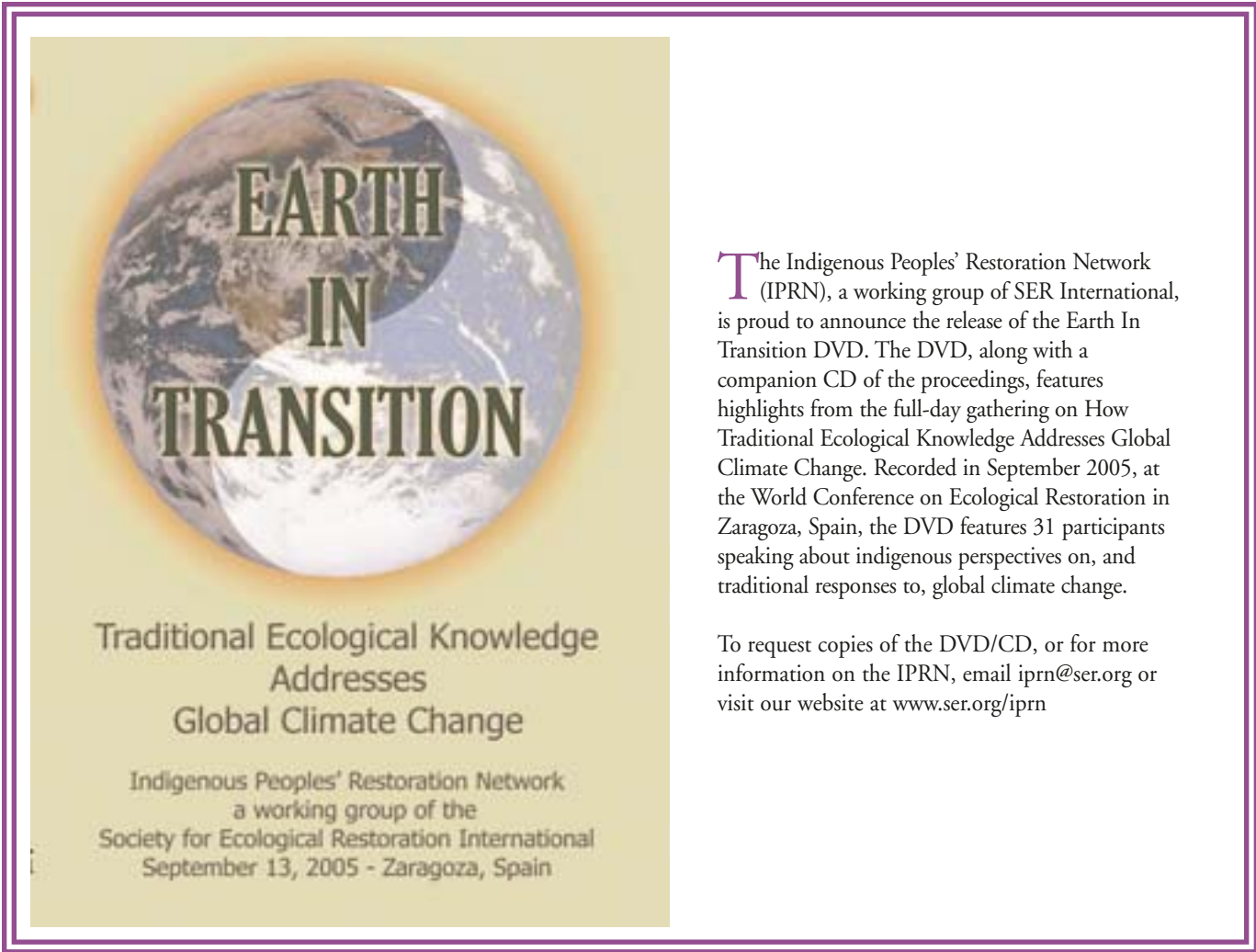
“Around 2000, Keith and I started working together on the *Primer*,” remembers Clewell, who wrote the first draft and gave it to Winterhalder and the Science and Policy Working Group for initial feedback. “Keith put everyone’s comments together and then he and I and members of the Working Group sat in the lobby of the hotel in Niagra Falls during an SER International Conference, and we started to work on a second draft.”

After a flurry of emails back and forth for more than a year, Clewell invited Winterhalder and Aronson to spend a few days at his cabin in the woods in northern Florida to finish the project. “James came from France with Champagne and Roquefort cheese,” he remembers. “Keith came down from Canada with a huge hunk of Canadian cheddar, and we holed up in the cabin for several days and finished writing the *Primer*.” He credits Winterhalder with making sure the language used in the *Primer* was crisp and the concepts precise.

Winterhalder will be warmly remembered by his colleagues and friends as a hard-working and respected leader of SER International. He also loved good food, and music, including ceilidhs, bagpipes, Celtic and other music, and he sang in several local choirs over the years.

“Keith was one of the guys behind the scenes who you could always count on,” Clewell says sadly. “I’m going to miss the guy. I already do.”

Contributions in honor of Keith Winterhalder may be sent to SER International. They will be used to translate the *Primer* into Spanish and other languages. Contributions are tax-deductible. Make checks out to SER International and mail them to 285 W. 18th Street, Suite 1, Tucson, AZ 85701, USA.



The Indigenous Peoples' Restoration Network (IPRN), a working group of SER International, is proud to announce the release of the Earth In Transition DVD. The DVD, along with a companion CD of the proceedings, features highlights from the full-day gathering on How Traditional Ecological Knowledge Addresses Global Climate Change. Recorded in September 2005, at the World Conference on Ecological Restoration in Zaragoza, Spain, the DVD features 31 participants speaking about indigenous perspectives on, and traditional responses to, global climate change.

To request copies of the DVD/CD, or for more information on the IPRN, email iprn@ser.org or visit our website at www.ser.org/iprn

FOR ALL THE LATEST INFORMATION ON THE SOCIETY, VISIT WWW.SER.ORG



SER
SOCIETY FOR
ECOLOGICAL
RESTORATION
International

285 West 18th Street, #1
Tucson, AZ 85701 USA

Forward Service Requested

Non-profit Org
US Postage
PAID
Tucson AZ
Permit No. 541