



EFN NEWS

Welcome to EFN News!

Welcome to the first edition of *EFN News*! As the Director of the Russell E. Train Education for Nature Program, I would like to update you on some new and exciting services that we are now offering to our alumni and grantees. We understand that an active professional network is vital to those working in conservation and it is our hope that through EFN we will help keep you connected with WWF and with each other.

In the coming year, we will begin to implement services that you told us were important to your careers: building relationships with other EFN grantees and alumni, access to the latest developments in conservation, and information on funding opportunities for training.

This newsletter, which will be published twice yearly, is our first service. Inside this edition of *EFN News*, you will find information about this year's scholarship and fellowship recipients, including short biographies that highlight the outstanding achievements of our seven Russell E. Train Conservation Leaders. You will also find information on funding and training opportunities that may be of interest to you or your colleagues. In each issue of *EFN News* we will feature an article written by one of our grantees or alumni. In this issue, Lianmin Zhang has contributed an article on community needs and conservation in Yunnan Province, China.

Beginning this year we are offering our alumni the opportunity to apply for Professional Development Grants. As part of our commitment to provide ongoing support for professional development, we have earmarked funds for eligible EFN alumni to attend conferences, take part in short-term training, or conduct research. You can learn more about this opportunity on page 11.

In the coming months, Andrea Santy, Chedy Gonzalez, Judith Mashinya, and I will be visiting many of your countries. In each of our stops we will hold a gathering for EFN grantees and alumni so that we can get to know you and, more importantly, so you can begin to form new relationships with one another.

Our services are designed to help meet your needs. We encourage you to provide feedback so that we can improve our program and better help you achieve your professional goals. If you have not already received an email message from us regarding how to become an active part of our network, please contact Andrea Santy, Program Officer and *EFN News* editor, at andrea.santy@wwfus.org. We look forward to meeting with you and learning about the exciting work you are doing on the front lines of conservation.

*an active
professional
network
is vital*

Photo: WWF



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NEW! Alumni Grants

To learn more about the
Education for Nature
Program please contact:

Education for Nature Program

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Shaun Martin
Director
Education for Nature Program

More About EFN

The Russell E. Train Education for Nature Program provides scholarships, fellowships, and grants to conservationists from Africa, Asia, and Latin America. EFN aims to build a dynamic and well-qualified corps of conservation leaders throughout the world by providing opportunities for these individuals to receive training.

EFN AWARD PROGRAMS

Russell E. Train Scholarships and Fellowships

Grantees receive full or partial support to pursue a diploma, undergraduate, graduate, or doctoral degree. Learn more on page 3.

Russell E. Train Conservation Leadership Awards

Conservation Leaders receive full or partial support to pursue a graduate or doctoral degree, travel to the United States to participate in a leadership training workshop, and are eligible for additional funding for professional development upon successful completion of their studies. Learn more on page 4.

Education for Nature Professional Development Grants

Grantees receive full or partial support to attend short-term, non-degree training programs, seminars, and workshops. Learn more on page 6.

EFN Alumni Services

EFN alumni can share information, network, and stay connected with each other and WWF through *EFN News* and the EFN directory, and receive support for their professional development. Learn more on page 11.

Special Thanks!

EFN Receives support from corporations, foundations, and individuals including:

- Alcoa Foundation
- The John D. and Catherine T. MacArthur Foundation
- The David and Lucile Packard Foundation
- The Summit Foundation
- James R. and Barbara R. Palmer
- Mr. and Mrs. Edward P. Bass/The Philecology Trust
- The Dillon Fund
- Dorothy Dillon Eweson
- Gilman Ordway Charitable Lead Trust
- Mr. and Mrs. John F. Mars
- Ruth C. Mead
- The Kleh Family Foundation
- Laurance S. Rockefeller
- The Honorable and Mrs. Russell E. Train
- Anonymous

Photo: WWF



Honoring *Russell E. Train*

Russell E. Train (seated, center) pictured with WWF President, Kathryn Fuller (seated, left), and EFN Grantees

From early on in his career, Russell E. Train understood the critical need to educate local people to manage their own natural resources. He has devoted much of his life to providing opportunities for conservation education and training throughout the world. In 1959, after several safaris to Africa, Mr. Train founded the African Wildlife Leadership Foundation (AWLF) to help African countries protect their rapidly diminishing wildlife. While chief executive at AWLF, he brought several young Africans to the United States for academic training in wildlife management, one of whom later became Kenya's Director of Wildlife Conservation. Recognizing the need for local institutions where promising Africans could receive training, Mr. Train helped establish the College of African Wildlife Management in Mweka, Tanzania and its sister institution, Ecole de Faune, in Garoua, Cameroon. These institutions remain some of the premier wildlife training institutions in Africa.

Russell Train's accomplishments often seem limitless. He was elected WWF chairman emeritus in September 1994 and serves as chairman of the WWF National Council. He became chairman of the board of directors of World Wildlife Fund and of The Conservation Foundation in 1985, continuing in that position when the two institutions merged formally as WWF in 1990. Prior to this appointment, he had been president of WWF for seven years (and had been a founding trustee in 1961). In 1973, Russell Train represented the United States at the landmark Washington Conference that wrote the Convention on the International Trade of Endangered Species (CITES), the most sweeping and comprehensive treaty to protect endangered species. He served as administrator of the US Environmental Protection Agency from 1973 to 1977, first chairman of the Council on Environmental Quality in the Executive Office of the President from 1970 to 1973, under-secretary of the US Department of the Interior from 1969 to 1970, and president of the Conservation Foundation from 1965 to 1969. He received the Presidential Medal of Freedom in 1991 in recognition of his work in conservation. Most recently, in February 2001, Russell Train was awarded the *Chairman's Medal* by the Heinz Family Foundation for his lifetime achievement in environmental advocacy. He received a B.A. from Princeton University and a J.D. from Columbia University. In 1994, World Wildlife Fund established the Education for Nature Program as a way to support conservation leaders in Asia, Africa, and Latin America. In dedication to Russell E. Train's years of service to conservation, the Education for Nature Program was named in his honor. Today, Mr. Train continues to play an active role in EFN. He is an environmentalist, an advocate, and a leader in conservation. The attributes he represents are those which EFN seeks to support in its scholarship, fellowship, and grant recipients.

Russell E. Train has devoted much of his life to providing opportunities for conservation education and training throughout the world.

Scholarship and Fellowship Grantees

Russell E. Train Scholarships and Fellowships are awarded to students who have shown outstanding academic achievement and commitment to conservation. The following individuals were nominated by a WWF ecoregion and were selected based on the merit of their achievements by an outside selection committee of specialists from around the world.

Education for Nature is proud to introduce the recipients of the 2001-2002 Russell E. Train Scholarship and Fellowship Awards.

Mesoamerican Caribbean Reef

- **Rosa Loreto** from Mexico will pursue an M.Sc. in marine science at the National Autonomous University of Mexico.
- **Medina Alicia del Carmen** from Honduras will pursue an M.Sc. in marine biology at the Center of Investigation and Advanced Studies, Mexico.
- **Alejandro Vega** from Mexico will pursue an M.Sc. in natural resources and rural development at the College of the Southern Frontier, Mexico.
- **Enrique Nuñez** from Mexico will pursue a Ph.D. in marine resources at the Center of Investigation and Advanced Studies, Mexico.

Northern Andes Tropical Forests

- **Luis Guillermo Baptiste** from Colombia will pursue a Ph.D. in environmental economics at the Autonomous University of Barcelona, Spain.
- **Cesar Viteri** from Ecuador will pursue an M.Sc. in natural resource economics and environment at University of Concepción, Chile.
- **Diego Amoroch** from Colombia will pursue an M.Sc. in environmental management and development at the Australian National University.
- **Juana Camacho** from Colombia will pursue a Ph.D. in anthropology at the University of Georgia, United States.
- **Paula Martinez** from Colombia will pursue an M.Sc. in environment and development at the University of Colombia.
- **Sandra Muriel** from Colombia will pursue a Ph.D. in biology at the University of the Valley, Colombia.

Southwest Amazon Rain Forests

- **Carla Ibañez Luna** from Bolivia will pursue a Ph.D. in biology focusing on development and ecology at the University of Montpellier, France.

Atlantic Forests of South America

- **Rosalía Fariña Cardozo** from Paraguay will pursue an M.Sc. in environmental biology at the National University of Asunción, Paraguay.
- **Sergio Villanueva Forentín** from Paraguay will pursue an M.Sc. in biology at the National University of Asunción, Paraguay.

Northwestern Congolian Lowland Forests

- **Yves Rene Hughes Azizet Issembe** from Gabon will pursue an M.Sc. in forest science at the ENGREF, France.
- **Vivien Okouyi Okouyi** from Gabon will pursue a Ph.D. in wildlife management and

the impact of hunting at the University of Orleans, France.

- **Noel Weidane-Hole** from Central African Republic will pursue a diploma in forestry at the Technical University of Dresden, Germany.

Miombo Woodlands and Savannas

- **Margareth Nderumaki** from Tanzania will pursue an M.Sc. in environmental science at the University of Dar Es Salaam, Tanzania.
- **Obedi Mkandawire** from Malawi will pursue an M.Sc. in conservation at the University of Kent (DICE), United Kingdom.

East African Marine Ecosystems

- **Mohamed Mohamed** from Tanzania will pursue an M.Sc. in environmental science at the University of Dar Es Salaam, Tanzania.
- **Edward Wafula Kimakwa** from Kenya will pursue an M.Sc. in zoology at the University of Nairobi, Kenya.

Madagascar Dry Forests and Spiny Desert

- **Narisoa Ramanitra** from Madagascar will pursue a Ph.D. in animal biology at the University of Antananarivo, Madagascar.
- **Jean Marie Rakotondrasolo** from Madagascar will pursue a diploma in environmental impact at the School of Geographical and Environmental Sciences, Madagascar.

Eastern Himalayas Grasslands and Forests

- **Mathura Khanal** from Nepal will pursue a B.Sc. in forestry at Tribhuvan University, Nepal.
- **Sonam Lhaden Khandu** from Bhutan will pursue a B.Sc. in environmental engineering at Sirindhorn International Institute of Technology, Thailand.
- **Sushila Kumari Rana** from Nepal will pursue a B.Sc. in forestry at Institute of Forestry, Nepal.
- **Ila Shrestha** from Nepal will pursue a Ph.D. in botany at Tribhuvan University, Nepal.

Sulu-Sulawesi Seas

- **Ramon Docto** from the Philippines will pursue a Ph.D. in environmental science at the University of the Philippines Los Baños, Philippines.
- **Rasmiah De Guzman Mayo** from the Philippines will pursue an M.Sc. in environmental science at the University of the Philippines Los Baños, Philippines.
- **Angelo Clavecillas** from the Philippines will pursue an M.Sc. in wildlife studies at the University of the Philippines Los Baños, Philippines.

Lower Mekong Forests

- **Nguyen Thi Dao** from Vietnam will pursue an M.Sc. in conservation biology at the University of Kent (DICE), United Kingdom.

Russell E. Train Scholarships & Fellowships

What costs do Russell E. Train Scholarships and Fellowships cover?

Scholarship and Fellowship grantees receive support to cover education related expenses, including tuition and fees, living stipend, books, health insurance, and travel expenses from their home to their university. Study may take place anywhere in the world.

Who can apply for a Russell E. Train Scholarship or Fellowship?

Scholarship and Fellowship applicants must:

- Have a minimum of two years experience in conservation activities or two years enrollment in a conservation-related academic program.
- Demonstrate excellence in their studies and/or career pursuits.
- Present a concrete plan describing how their studies or program will enhance conservation in an EFN ecoregion, including a plan for dissemination of learning.
- Commit to working in conservation in their home country or region for a minimum of two years after completion of their academic programs.

How do I apply?

Application guidelines and deadlines vary by ecoregion. Not all EFN ecoregions participate in the Scholarships and Fellowships program. Please contact your local WWF office to learn about the application requirements and deadlines for your ecoregion.

Russell E. Train

Conservation Leadership Awards

Leaders are those who can inspire and influence others to take action—individuals who can serve as role models in their communities and work across disciplines to forge new ground. Each year EFN identifies six to ten of its top grantees at the graduate level and designates them as Russell E. Train Conservation Leaders. Conservation Leaders receive financial support for their academic training and two years of follow-up support from EFN after the successful completion of their degrees. Russell E. Train Conservation Leaders also participate in a professional development visit to the United States where they meet with colleagues from conservation organizations and each other and have the opportunity to share information about conservation issues in their home countries through visits to US public schools.



Nicole Auil (right) is working with her colleagues to measure a manatee and gather other information to help protect these endangered species.

2001-2002 Award Recipients

Nicole Auil from Belize (Mesoamerican Caribbean Reef) will begin her master's degree in wildlife management at Texas A&M University, USA. She plans to focus her research on conservation of the manatees in Belize. Nicole already has significant experience working with manatees. In 1998, she worked to establish the Belize Marine Mammal Stranding Network, a nonprofit organization that helps stranded manatees. Nicole received her bachelor's degree in environmental and sustainable resources from the University of Southwestern Louisiana, USA.

Sandra Chediak from Argentina (Atlantic Forests) is currently pursuing a Ph.D. in population ecology at the National Autonomous University of Mexico (UNAM). Her thesis focuses on using the heart of palm (*palmito*) as a sustainable agricultural product to buffer protected nature reserves. She has gained practical experience working in the field in the Atlantic Interior Forest of Misiones, Argentina. Sandra received her bachelor's and master's degrees in biology from the National University of Tucuman, Argentina.

Jacqueline Maximillian from Tanzania (Miombo Woodlands and Savannas) will pursue a Ph.D. in natural resources and forest economics at the University of Idaho, USA. For the past year, Jacqueline has been working as an assistant lecturer at Sokoine University of Agriculture, Tanzania. She is the first female academic member of the staff in the Faculty of Forestry and Nature Conservation since its inception in 1973. Jacqueline also served as an advisor to the National Environment Management Council. She graduated with a bachelor's in forestry from Sokoine University of Agriculture and was awarded the status of "best student in forestry" in 1995.

Lilian Munyah Nfor from Cameroon (Northwest Congolian Lowland Forests) will pursue a master of laws (LLM) degree in environmental law and management at the University of Wales, Aberystwyth, United Kingdom. Lilian has been working in her home country as a Legal Officer for the Ministry of Environment and Forestry for seven years and also has several years of experience working with the Ministry of Agriculture. She holds a law degree from the University of Yaounde, Cameroon and a second law degree from the University of Buea, Cameroon.

Qiu Jian from China (Southwest China Temperate Forests) will pursue a master's degree in environmental management at the University of New South Wales in Australia. Jian is an Environmental Protection Program Officer at the Wildlife Conservation Division of the Sichuan Forestry Department where he is responsible for project management and administration. Jian has worked on many joint projects with private and government organizations and has a wide range of knowledge on giant pandas. He holds a bachelor's degree in biology from Beijing Normal University, China.

Shakil Visram from Kenya (East African Marine) is currently pursuing a Ph.D. in biology at the University of York, United Kingdom. His research focuses on marine ecosystem recovery from coral bleaching and he is doing original research on molecular diversity of *zooxanthellae* in Eastern African corals. Prior to starting his Ph.D., Shakil worked as a research assistant on a coral transplant project in Mombasa, Kenya. He received his bachelor's degree in zoology from the University of Eastern Africa, Kenya and a master's in immunology and immunogenetics from the University of Manchester, United Kingdom.



Photo: James Powell/WWF-US

Babita Gurung from Nepal (Eastern Himalayas Grasslands and Forests) will pursue a master's degree in tropical forestry and management at the Technical University of Dresden, Germany. She plans to focus her research on linkages between community forestry and livelihood issues within the broad framework of conservation and development. Babita has extensive experience working as a forester and is one of a small number of trained female foresters in the Eastern Himalayas ecoregion. Babita received her bachelor's degree in forestry from the Institute of Forestry, Pokhara, Nepal.



EFN receives \$1 million gift in memory of

Henri Nsanjama

“It is people like Henri who, by engaging their passion and intellect and talents in the conservation of wildlife and wild places, inspire other people to action”.

— Kathryn Fuller, WWF President

Henri Nsanjama, originally from Malawi, served as World Wildlife Fund’s vice president for its Africa and Madagascar program until his death in July 2000. Believing that conservation is ultimately about people, he was an untiring advocate for an African scholarship program to support promising young conservationists. Mr. Nsanjama’s passion for wildlife and the African landscape continues to inspire people around the world to become committed conservationists.

To continue Henri’s work as a passionate advocate and ambassador for African conservation, WWF has established the Henri Nsanjama Fund for African Conservation. Under the umbrella of the Russell E. Train Education for Nature Program, this fund will support institutional and individual capacity-building initiatives in Africa. Since its inception, the fund has received support from numerous individuals in Henri’s memory. In January 2001, the fund received a five-year pledge totaling \$1,000,000 from James R. and Barbara R. Palmer.

Longtime WWF supporters and loyal National Council members, Jim and Barbara Palmer were devoted friends of Henri and his wife, Joyce. The Palmers traveled to Africa three times with Henri and generously supported several students at the Mweka College of African Wildlife Management in Tanzania. In addition, they also contributed generously to WWF’s Living Planet Campaign in support of African Rhino Conservation.

The Palmers’ generous commitment to the Nsanjama Fund will enable Henri’s vision for building a cadre of professional conservationists in Africa to be realized. In addition to providing funds for scholarships and fellowships for African conservationists through EFN, the Palmers’ gift will help WWF and the African Bushmeat Crisis Taskforce establish a training module for park rangers and wardens on the bushmeat trade in central Africa, and will support five outstanding students at the Ecole pour la Formation des Spécialistes de la Faune (EFG) in Garoua, Cameroon with Nsanjama-Palmer Rising Star Scholarships. The Palmers’ gift is a fitting tribute to Henri’s life and work and will strengthen wildlife conservation in Africa for generations to come.

Henri Nsanjama was born in Malawi in 1951. He graduated from the College of Wildlife Management, Tanzania and earned a bachelor’s degree in wildlife biology from the University of Massachusetts at Amherst, and a master’s degree in environmental management from the University of Edinburgh, Scotland. He served as the Director of National Parks and Wildlife in Malawi and in 1989 he held the post of Chairman of the Convention on International Trade in Endangered Species (CITES). He joined WWF in 1990 and served as the vice-president and senior advisor on Africa and Madagascar until July 2000.

EFN Professional Development Grants Eligibility Requirements

Who can apply for an EFN Professional Development Grant?

Awards are available for mid-career professionals who wish to gain practical experience, or attend a short course or seminar, and individuals who wish to pursue self-designed, non-formal learning experiences such as internships or other forms of practical learning.

EFN Professional Development Grant candidates must:

- Have a minimum of two years experience in conservation activities.
- Be currently employed or have the promise of employment upon completion of training.
- Have the permission and recommendation of her/his employer to attend training.
- Not be a current employee of WWF or its affiliate organizations.
- Complete training within one year.

How do I apply?

Applications are submitted directly to designated EFN coordinators in WWF offices in participating countries. There is no application deadline for EFN Professional Development Grants. Grants are awarded throughout the year depending on the availability of funding. Applicants should allow up to three months between submission of the application and when funds are needed for training.

EFN Professional Development Grants

From Indonesia to Mexico: Learning New Tools for Conservation



From left to right: Tomi Supratomo, Laura Barazza, Siti Nurwati Hodjiah, and Herda Hutabarat take a break after their environmental education course at the Institute of Ecology, National Autonomous University of Mexico (UNAM) in Morelia, Mexico.

From June 5 - 15, 2001, three Indonesian environmental educators, Herda Hutabarat, Raden Tomi Supratomo, and Siti (Nungky) Nurwati Hodjiah participated in the first offering of a special course entitled "Drawing Analysis: A Technique to Evaluate Environmental Knowledge and Perceptions" at the Ecology Institute at the National Autonomous University of Mexico (UNAM) in Morelia, Mexico.

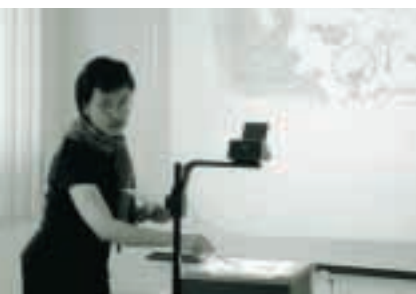
The course was taught by Dr. Laura Barazza who has worked on environmental education issues since 1981 and is currently a full-time researcher at UNAM. The objective of the course was to give new tools to environmental educators which would enable them to analyze children's drawings using the theoretical principles of semiotics, social psychology, perceptions, and attitudes. The seminar was a two-part course that included an introduction to the relevant theories and a practical component of analyzing over 100 drawings by Mexican primary school children from public and private schools around the country.

By analyzing drawings, course participants gained an understanding of what issues children perceived as environmental problems in their communities. They also learned how to evaluate drawings to understand children's perceptions and attitudes. After thoroughly analyzing the drawings, litter and trash were identified as the most common problems perceived by children in Mexico.

Herda, Tomi, and Nungky are environmental educators from the West Java region of Indonesia. Each has been working in the field of environmental education for several years and brought unique ideas and perspectives to the seminar. Herda, Tomi and Nungky were nominated by WWF Indonesia to receive an *EFN Professional Development Grant* to participate in the seminar.



Photo: George Huey/WWF-US



Herda Hurlabarat

Herda has been working at the ALAMI Foundation, a non-profit organization located in Jakarta, Indonesia since October 1998. The ALAMI Foundation focuses on environmental education and biodiversity research. As the Program Coordinator, Herda organizes campaigns to protect the green sea turtle. In addition, she works with colleagues to develop the ALAMI Foundation's strategic plan.

Herda randomly selected twenty sample drawings to analyze during the course. These drawings were made by Indonesian children during an environmental program she organized with six local elementary schools in Jakarta. By analyzing drawings from her own community, Herda learned how children perceive sea turtles. Herda observed that the majority of children drew pictures of turtles in their natural habitat, but only three children showed people interacting with the turtles in their drawings. She concluded that these children may have a limited understanding of how people can help protect sea turtles. Herda plans to share what she learned in Mexico with others in her organization and community to help plan future environmental education activities for children.

Before participating in the seminar, Herda noticed only the similarities in the drawings but now she is able to see many differences. "Even though the objects may be the same, the meanings are not." After spending much of her time studying natural sciences, Herda has found that "it is more effective to change how a person acts rather than simply overloading someone with facts."

Herda holds a B.Sc. in biology from the University National in Jakarta, Indonesia and a M.Sc. in conservation biology from the University of Indonesia.

Siti Nurwati Hodjiah (Nungky)



Siti Nurwati Hodjiah (on left).

responsible for working with local children's magazines and promoting community participation in coastal and marine conservation.

The cartoons have been an effective way to teach primary and secondary school students about conservation issues in this delicate archipelago ecosystem.

After completing the seminar, Nungky said, "I feel that I have gained an even greater appreciation of the need for community involvement in the decision-making process, and I have learned more about the culture of the communities I work with." This training has helped her gain a greater understanding of the importance of evaluating community needs and getting the community involved in problem solving. Nungky also emphasized the value in drawing solutions from the community and challenging the perception that the "experts" have all the answers.

Nungky hopes to share what she has learned with other staff in her organization; that drawings are a powerful tool to understanding children's perceptions and attitudes and that student and community involvement produces a greater understanding of an issue.

Nungky holds a B.Sc. in marine biology from the Bogor Institute of Agriculture and is currently pursuing a M.Sc. in anthropology at the University of Indonesia.

Nungky works as the Public Awareness Coordinator at Kelompok Pembelajaran Masyarakat Pesisir (KPMP) a local NGO in Bogor, Indonesia. KPMP uses cartoons to address environmental issues in coastal communities in West Java. As the Public Awareness Coordinator, Nungky is

Raden Tomi Supratomo

Tomi also works at KPMP and is part of the Public Awareness staff. His responsibilities include working with others in drawing cartoons for the organization's environmental magazine and developing educational materials, games, and posters. Tomi is also a researcher for the Center of Marine and Coastal Degradation Control, an independent institution under the Environmental Impact Management Agency. As a researcher, he is responsible for providing information on how to manage coral reefs, seagrass, and mangroves, and the impact of human activity in the marine and coastal ecosystems.

Tomi's work allows him to reach a very broad audience, but he feels that working with children is the best way to impact the future of conservation. After looking at over 100 pictures, he found that children of the same sex tend to use the similar colors and all children use certain colors to symbolize certain feelings. Tomi will apply what he has learned about colors into his cartoons. He also wants to use brighter colors in his work and to create shorter stories to help capture his readers' attention.

This was Tomi's first experience visiting another country. By coming to Mexico he not only learned more about drawing as a tool of perception and evaluation, but he also learned about the Mexican culture and traditions. Tomi said that this experience in Mexico has helped him to understand different cultures, including "other cultures in Indonesia."

Tomi holds a B.Sc. in biology from Gadjja Mada University in Yogyakarta and an M.Sc. in marine science from the Bogor Institute of Agriculture.



Alumni Notes



Rosa Loreto of Mexico (2001), collects underwater data.



Ali Juma Ali of Tanzania monitors sustainable crop production.



Karma Yangzom (center) of Bhutan, engages in field work with colleagues.



Zakiya Aloyce (right), meets with community groups in Tanzania.

Durga Sharma, Bhutan (1997)*

MSc: Forest Resource Management, University of Philippines

Durga earned a master's and Ph.D. with support from WWF and the Asia Pacific Association for Forestry Research Institutions (APAFRI).

Dechen Tsering, Bhutan (1997)

PhD: Resource Economics, Federal Institute of Technology, Switzerland

Dechen works for the Bhutanese government in the National Environment Commission, which serves as a policy making body and a regulatory agency to preserve and sustain the country's natural resources.

Paulo Amaral, Brazil (1999)

MSc: Forestry Management, CATIE, Costa Rica

Paulo is currently doing research in Brazil for his thesis project. His focus is on community forest management.

Vuthy Lic, Cambodia (1998)

MSc: Wildlife Ecology, University of Illinois, USA

Vuthy is helping to set up a new protected area in the central Cardamom Mountains in southwest Cambodia. He is also working part-time on the Asian Rhino & Elephant Action Strategies project for WWF-Cambodia.

Ji'en Gong, China (1996)

MSc: Wildlife Management, University of Montana, USA

Ji'en is in charge of wildlife management in Sichuan province, China. In this position he creates wildlife management plans, issues special permits, and oversees wildlife rescue work.

Lianmin Zhang, China (1998)

PhD: Ecology, Yunnan University, China

Lianmin is currently working on her Ph.D. project and is our featured alumni contributor in this issue of *EFN News* (see page 9).

Luis German Gomez, Colombia (1997)

MSc: Wildlife Management, National University of Costa Rica

Luis German has been working on a project, "Ecology and Conservation of the Cloud Forests of Cauca" in south-western Colombia for the past 18 months with the University of Cauca.

Alba Leticia Ochoa Camacho, Honduras (1998)

MSc: Natural Resources Management, INCAE, Costa Rica

Alba is currently working on water purification plant financing to reduce the use of water and prevent contamination.

Margarita Hurtado Badiola, Mexico (1999)

MSc: Environmental Education, National Pedagogical University, Mexico

In July, Margarita defended her thesis and received an honorable mention. She also works for an NGO that focuses on environmental education.

Dario Navarrete Gutierrez, Mexico (1997)

MSc: Integrated Natural Resource Management, CATIE, Costa Rica

Dario is currently working with remote sensors and GIS to monitor the change in land usage. He hopes to become more involved in promoting conservation activities in Mexico.

Ana Gabriela Robles Diaz de Leon, Mexico (1998)

MSc: Environmental Education, University of Guadalajara, Mexico

Ana Gabriela is developing communications strategies for various ecoregions in Mexico and is developing experiential education programs for nature reserves and institutions in Monterrey.

Prem Chandra Gurung, Nepal (1997)

BSc: Forestry, Institute of Forestry, Nepal
Prem Chandra is a Conservation Officer at the Annapurna Conservation Area

Project (ACAP). He incorporates local people in community-based programs to ensure the protection of biodiversity, and the development of infrastructures, and sets up economic projects to help local people through tourism.

Amrit Babu Karki, Nepal (1996)

MSc: Wildlife Management, Wildlife Institute of India

Amrit works with Bird Conservation Nepal, a non-profit organization working to promote conservation, awareness, and research. He has just completed a survey on the status of pheasants in the Santal area of the ACAP and is planning to study birds in the Pokhara Valley.

Nelly Llerena, Peru (1998)

MSc: Tropical Botany, First National University of San Marcos, Peru

Nelly is working on a project to create new strategies for conservation of the Peruvian lowland forests. The project uses endemic indicator species to reveal overall small mammal distribution patterns.

Zakiya Aloyce, Tanzania (1997)

MA: Rural sociology and environment, University of Dar es Salaam, Tanzania

In July 1999, Zakiya accepted a position as a Program Officer at WWF-Tanzania. Currently, she is developing the Tanzania Social Conservation Programme that will help to integrate socio-economic aspects in conservation activities.

Mary Shuma, Tanzania (1997)

Short-term Training Grant: Environmental Education, NAAEE, Canada

Mary is in charge of WWF-Tanzania's environmental education program that aims to increase the level of awareness of the Tanzanian public on conservation issues.

* (Year) = year selected as EFN grantee

Community Needs and Conservation in Yunnan Province

by Lianmin Zhang



Yunnan Province provides important habitat for many endangered species.

In the past, most of us considered that forest resource management belonged in the domain of natural sciences. This categorization created many problems in forest resource use and conservation in China, such as conflicts between ecology and economy, ignoring local people's interests, and mismanagement of local forests. Now many government officials, policy analysts, and natural and social scientists have realized that understanding the complex relationship between local communities and their forests must be a part of any policy that seeks to be ecologically, economically, politically, and socially sustainable. Such understanding requires reliable data on the relationship between local ecology and economics.

In my study, I found that governmental policies and decisions strongly influence local ecology and economics. Policies that take ecological impact into consideration before focusing on economic aspects are more effective in promoting the conservation of local forest resources. In contrast, poorly planned policies negatively affect local ecology and the local economy. The Ganghaizi Village case study typifies how this conflict can impact a region.

In the case study, included below, we saw that the region and the people have undergone many changes in recent decades, which have taken local residents from owning prosperous forests to having almost no forests. After the initial deforestation by the state logging company, the villagers were able to temporarily bring back and maintain the forests by using local ecological knowledge. However, these efforts have faced challenges due to competing economic interests

from outsiders. Attempts have also been made to use ecotourism as an environmentally sustainable alternative to protect land, however some learning must still take place to make this a success.

We have learned that to adapt to local needs and conservation it is necessary:

- to institutionalize governmental policies and decisions. In government decision making, participation from local people is essential;
- to ensure that forest ownership by local people is protected by law, so that forest land is not invaded and occupied by newcomers; and
- that government and policy-makers recognize and incorporate local management knowledge into forest resource management procedures. Local forest management knowledge is an essential means to ensure success in using and conserving forest resources.

In conclusion, local involvement in conservation can help to ensure the longevity of conservation efforts as well as promote a healthier economic situation for the community.

Lianmin Zhang is currently pursuing a Ph.D. in ecology at Yunnan University, China. Her doctoral research project is entitled, "The Interface Between Local Ecology and Economics: Its Implications for Conservation Policy and Forest Management."

CASE STUDY: Golf Courses in Ganghaizi Village

Ganghaizi Village is located in Yulong Mountain Nature Reserve (YMNR), Lijiang County. There were 156 people and 1800m² (120.1 ha) of pine forest land in the village. The villagers had long engaged in diverse forest activities such as collecting firewood, harvesting timber, and producing a number of non-wood products. A state-owned wood company bought the land in Ganghaizi village and cut down all of the trees by 1974. The degraded forest land was then returned to Ganghaizi Village.

At that time, the local environment and villagers' livelihood had been severely affected. Villagers actively pursued ways to recover forest vegetation by using local ecological knowledge and traditions. To date, the Ganghaizi village's forests have nearly been restored to their original state. Recovered vegetation has helped promote ecotourism efforts in the region and in recent decades ecotourism in YMNR has become a major source of income for local villagers. It has attracted outside business attention as well.

Ecotourism in YMNR has taught many lessons about the value of local forest management. The forest has started to recover and there is proof that local land management works. However, as ecotourism becomes more profitable the local government has started to sell and lease Ganghaizi Village's land and forest to businesses for golf courses. As a result, Ganghaizi Villagers are being forced off their land and their economy and livelihood are being affected once again.

Funding Opportunities for Conservation



Finding funding can be difficult and time consuming. We believe it is important for conservationists to get the training they need to engage in meaningful conservation work. As a way to help current and prospective grantees and EFN alumni find other possible funding sources, EFN has compiled a list of over 150 other grants in the EFN Funding Database. Below is a sample of the types of grants you will find in the funding database. For more information, please visit EFN's *Guide to Funding Sources for Conservation and Education* at <http://www.wwf-efn.org/grants.cgi>.

All Regions

Center for Field Research

680 Mt. Auburn Street
P.O. Box 9104
Watertown, MA 02272
Tel: +1 617-926-8200
Fax: +1 617-926-8532
Email: cfr@earthwatch.org
www.earthwatch.org

Field: Conservation

Description: The grant is supported by Earthwatch Institute. It is intended to promote sustainable conservation of natural resources and cultural heritage by creating partnerships between scientists, educators, and the general public.

Amount: \$7,000-\$130,000

Deadlines: N/A

Duration: 12-14 months

Exploration Fund Committee

46 East 70th Street
New York, NY 10021
Tel: +1 212-628-8383
Fax: +1 212-288-4449

www.explorers.org

Field: Natural Science

Description: Grants are provided in support of exploration and field research. Projects that are funded will be for scientific purposes, in accordance with the Club's stated objective "to broaden our knowledge of the universe."

Amount: \$1200

Deadlines: January 31, 2002

Duration: 1 year

PADI Foundation

9150 Wilshire Blvd, Suite 300
Beverly Hills, CA 90212
Tel: +1 310-281-3242
Fax: +1 310-859-1430

www.padifoundation.org

Field: Wetlands/Marine

Description: The Foundation will fund and assist projects that will enrich understanding of the aquatic environment and encourage sensitivity to and protection of the delicate ecological balance of underwater life.

Amount: \$5,000 - \$20,000

Deadlines: March 15

Duration: N/A

International Foundation for Science

Grev Turegatan 19, SE-114 38
Stockholm, Sweden
Tel: +46 8 545-818-00
Fax: +46 8 545-818-01
Email: info@ifs.se

www.ifs.se

Field: Natural Science

Description: Grants are given to individuals for a specific research project, which must fall within the IFS Research Areas: Aquatic Resources, Animal Production, Crop Science, Forestry/Agroforestry, Food Science, Natural Products.

Amount: \$12,000

Deadlines: N/A

Duration: Normally between 1-3 years
Restrictions: Intended for the purchase of the basic tools needed to conduct a research project: equipment, expendable supplies, and literature.

Lincoln Park Zoo

2001 North Clark Street
Chicago, IL 60614
Tel: +1 312-742-2000
Email: steveed@ix.netcom.com

www.lpzoo.com

Field: Conservation

Description: This fund assists a new generation of researchers in becoming the environmental decision-makers of tomorrow and strengthens the core of conservation leadership throughout Africa, Asia, and the Pacific.

Amount: \$3,000-7,500

Deadline: N/A

Duration: 1 year

Asia

Economy & Environment Program of SE Asia

Tanglin P.O. Box 101
Singapore 912404
Tel: +65 831-6863
Fax: +65 235-849
Email: dgllover@idrc.org.sg
www.idrc.org.sg.eepsea

Field: General

Description: This grant covers the costs of fieldwork required for doctoral degree programs.

Amount: \$15,000-\$22,000

Deadlines: N/A

Duration: 1 year

Restrictions: Eligible countries are: Thailand, Malaysia, Indonesia, the

Philippines, Vietnam, Cambodia, Lao PDR, China, Papua New Guinea, and Sri Lanka.

Africa

WCS Small Grants Program for Africa

Wildlife Conservation Society
Research Fellowship Program
185th Street and Southern Blvd.
Bronx, NY 10460

Tel: +1 718-220-5155

Fax: +1 718-364-4275

Email: fellowship@wcs.org

www.wcs.org

Field: Conservation

Description: This award is intended for African researchers to carry out research on topics of importance to conservation and management of wildlife and protected areas.

Amount: \$3,000

Deadlines: N/A

Duration: 1 year

Latin America

Rainforest Alliance-Kleinmans Fellowship for Research in Tropical Non-Timber Forest Products

New York, NY 10012

Tel: +1 212-677-1900

Email: ichaudhury@ra.org

www.rainforest-alliance.org

Field: Forestry

Description: To promote research into the practical means of managing and using tropical forest resources without destroying the integrity of the forest ecosystem. The research must lead to the development of a product or marketing technique that can provide incomes to community-based groups living in or near tropical forest areas. Research concerning products that encourage reforestation of degraded areas is also eligible.

Amount: \$15,000

Deadlines: N/A

Duration: 2 years

Restrictions: A thoroughly documented paper suitable for publication is required. The research area is restricted to Latin America. Anyone with a master's degree in forestry, ecology, environmental science, or related field may apply.



New! Professional Development Grants for EFN Alumni

2001

July 23-August 17

Learning for Life-Diploma in Environmental Education

Living Earth Foundation
London, United Kingdom
Tel: +44 20-7440-9750
Fax: +44 20-7242-3817
Email: info@livingearth.org.uk
www.livingearth.org.uk

Cost: £3,200 (tuition, room, board, materials, health insurance, internal transportation)

Requirements: Send full CV and two reference letters (including one from present employer)

August 9-25

International Seminar on Protected Area Management

The University of Montana
Missoula, MT 59812
Tel: +1 406 243-6650
Fax: +1 406 243-6656
Email: jburch@forestry.umt.edu
www.fs.fed.us/global

Cost: \$4500 (tuition, room/board)

Deadline: December 1, 2001

September 17-21

Participatory Appraisal Workshop

Institute of Ecology and Resource Management
University of Edinburgh, Scotland
Tel: +44 131-650-6439
Fax: +44 131-662-0478
Email: vikki.hilton@ed.ac.uk
www.ierm.ed.ac.uk/shortcourses

Cost: £440 (tuition, internal transport, materials. A limited number of volunteers may apply for discounted tuition).

September 24-29

Tropical Forestry Symposium: The Art and Practice of Conservation Planting

Taiwan Forestry Research Institute
Taipei, Taiwan
Fax: +886 2 23895531
Email: chien@serv.tfri.gov.tw or
www.tfri.gov.tw/tfs

Cost: \$120 general/\$50 students

September 26-28

Management to Improve Agricultural Competitiveness

EARTH University, Costa Rica
Tel: +506 713-0000, ext 5012
Fax: +506 713-0005

EFN is dedicated to building leadership in conservation by providing our alumni with support for life-long training opportunities. Through the newly established Grantees and Alumni Services program, EFN alumni may apply for Professional Development Grants to attend short-term training programs, seminars, workshops, and conferences, or to conduct research in a priority ecoregion. EFN encourages alumni to seek training opportunities that will help them develop leadership skills (includes management training, interdisciplinary studies, communication training, and so on).

Alumni Professional Development Grants are intended for EFN alumni who have received Russell E. Train Scholarship or Fellowship awards (e.g.: grants to pursue an undergraduate, graduate, or doctoral degree). To be eligible, alumni must have completed their two-year home service requirement. The maximum grant amount is \$3,000. Eligible alumni may receive one grant every three years, depending on the availability of funding. WWF employees are not eligible.

Many of the programs listed below occur on an annual basis. If you have missed the application deadline, contact the organization to find out if the application deadline has been extended or when the program will be offered again.

Email: afcarpio@earth.ac.cr
www.earth.ac.cr

Cost: \$950 (tuition, room/board and materials)

September 30-October 11

CGE Modelling and the Environment

SANDEE, c/o IUCN Nepal, PO Box 8975
EPC-1056, Katmandu, Nepal
Email: manikd@sandeeonline.org
www.sandeeonline.org

Requirements: Ph.D. in economics, quantitative methods, and computer skills required

Costs: no cost for course fees, travel, room and board

Deadline: July 30, 2001

October 15-26

Geographic Information Systems (GIS) – Module IV application of teledetection in monitoring and management of natural resources

CATIE, Turrialba, Costa Rica
Tel: +506 556-6021
Fax: +506 556-0176
Email: capacita@catie.ac.cr
www.catie.ac.cr

Cost: \$1650 (tuition, room/board)

October 18-20

International Symposium on Carbon Sequestration Measurement and Monitoring in Forest Ecosystems

University Austral of Chile
Oficina de Eventos UACH, Valdivia, Chile
Fax: +56 63 210995
Email: eventos@uach.cl
smtp.uach.cl/simposiocarbono/intro.htm

Cost: \$200 general/\$100 student

November 4-18

International Program for Arid Land Crops (IPALAC)

Ben-Gurion University of the Negev
Beer Sheva, Israel
Tel: +972 8 646-1905
Fax: +972 8 647-2984
Email: lpalac@bgumail.bgu.ac.il
www.bgu.ac.il/IAR/IntCourse.htm

Cost: \$1000 approx. (no tuition fee – costs are based on room and board only).

Deadline: August 31, 2001

November 5-9

5th Africa GIS Conference and Exhibition

AFRICAGIS 2001, Gath Management Ltd.,
P.O. Box 14279, Nairobi, Kenya,
Tel: +254 2 444837
Fax: +254 2 443838

E-mail: Nasser@gathkenya.com
www.grida.no

November 6-10

VI Global Conference on Environmental Education

Indian Environmental Society
Delhi, India
Tel: +91 11 245-0749
Fax: +91 11 222-3311
Email: iesenro@del2.vsnl.net.in

Cost: \$250 general/\$200 ngo, educator/\$150 student

November 26-December 8

Ecotourism and Peace in Tropical Countries University of Peace, Costa Rica

P.O. Box 138-6100, San José, Costa Rica
Tel: +506 205-9000
Fax: +506 249-1929
Email: info@upeace.org
www.upeace.org/courses.htm

Cost: \$2300 (tuition, room/board)

November 26-December 7

Wildlife Valuation and Resource Economics Southern African Wildlife College

Kruger National Park, South Africa
Tel/Fax: +27 15 793-2621
Email: dovier@sawc.org.za
www.wildlifecollege.org.za

2002

March 11-22

Sustainable Irrigated Agriculture: Water Management for Agricultural Production in Semiarid Zones

Instituto Agronómico Mediterráneo
Apartado 202, 50080 Zaragoza (Spain)
Tel: +34 976 71 60 00
Fax: +34 976 71 60 01

Email: iamz@iamz.ciheam.org
www.iamz.ciheam.org
Deadline: December 15, 2001

June 2002

Current Methods in Tropical Forestry

Cranfield University, Silsoe, Bedfordshire, UK
Designed for mid-career professional foresters.
Tel: +44 1525-863-069
Fax: +44 1525-863-399
Email: I.stewart@cranfield.ac.uk
silsoe.cranfield.ac.uk

Please note: EFN cannot fund all costs for training that takes place in the United States.

Become a part of the EFN network!

We are compiling an EFN Directory to be completed by the end of 2001. We hope that the directory and *EFN News* will serve as resources to keep you informed about upcoming events, trends in conservation, and other conservationists working in your area of specialization and in your region. You can help make *EFN News* a valuable resource for conservationists by contributing an article on your research or experience and by providing information about conferences, workshops, and training that are taking place in your region.

Please complete the form below and return it to:

Andrea Santy
Education for Nature
World Wildlife Fund
1250 24th Street, NW
Washington, DC 20037, USA

If you would like to have your contact information listed in the EFN Directory please mark the appropriate box.

- Yes, include my contact information in the EFN Directory.
 No, do not include my contact information in the EFN Directory.

Name: _____

Degree earned through support from EFN:

- Diploma BA BSc MA
 MSc M.Phil LLB LLM
 PhD Certificate or Short-term training
 Other _____ (please specify)

Major: _____ Institution: _____

Country of Study: _____ Year degree or training was completed: _____

Home Address: _____

City: _____ Country: _____

Home Phone: _____ Home Fax: _____

Home Email: _____

Job Title: _____

Organization: _____

Work Address: _____

City: _____ Country: _____

Work Phone: _____ Work Fax: _____

Work Email: _____

Are you currently working in the field of conservation? Yes No

If yes, please provide a brief description of your research or project that you are currently involved in. This will be included in the "Alumni Notes" section of the next newsletter.

How to contribute to future issues of the EFN Newsletter

To be featured in an upcoming issue of EFN News, please send a ONE PAGE ARTICLE (double spaced, 12 size font) and a PHOTO of yourself working in the field no later than December 15, 2001.