

We returned from that other world. Down the slopes, across the plains to the gray, pebble beach. A wonderful drink of beer whilst cooling one's sizzling feet. Food and conversation are the fare of the evening on our return to Puerto Ayora, to the rush and bustle that has nothing to do with the high rim of Alcedo.

My mind keeps returning. I see a unique landscape. I fear that I am looking into the face of extinction. I feel an anguish at the thought of losing something unbelievably valuable. I have visited Alcedo before, years ago when there was no sight or sound of goats. Today, they are within a stone's throw of that delicate landscape of evergreen *Scalesia*, within a moment of a small tortoise seeking a few blades of grass under a crystal-blue sky.

There are many deserving causes in Galápagos that urgently need attention, but few can equal the imminent destruction, not just of a species, but of the

essential ambiance of the Enchanted Islands. I believe that it would be worth the clattering roar of helicopters, the chatter of guns, the movement of many people, and the endless inversion of money to ensure the survival of this milieu Galapagueño before it is too late. Alcedo is also the gateway to the volcanoes to the north, Darwin and Wolf. Is their uniqueness to be lost as well?

To my mind, however, there is something very special and intangible about Alcedo. Young and old tortoises amongst the fumaroles, the obsidian, the pumice, in the pools, under the clouds. Vermilion Flycatchers, hawks, and finches. These are tangibles, as is the air rushing up from Antarctica to temper the equatorial sun. What is so utterly intangible is the totality of the environment, which has a value incomprehensibly higher than the sum of its parts. **Godfrey Merlen, Isla Santa Cruz, Galápagos, Ecuador.**

## VISITORS AND EVENTS

### *March 1991-March 1992*

#### **March 1991**

—Luciana Sola, University "La Sapienza," Rome; zoogeography of the mullet *Mugil cephalus*.

—Freddy Ehlers, Ana María Varea, and Enrique Bayas, of the television program "Primer Plano;" video films on the main problems of Galápagos.

—Max Eriksson, Folke and Johanna Larsson, and Ola Jennersten, University of Uppsala, Sweden; the reproductive biology of the carpenter bee, *Xylocopa darwini*, as a pollinator of *Passiflora foetida galapagoensis*; assisted by María Teresa Lasso, Central University of Ecuador, Quito.

—Peter Glynn, Joshua Feingold, Sheila McKenna, and Tiffany Woodworth, University of Miami, Florida; coral reef communities.

—Peter and Rosemary Grant, Princeton University, New Jersey; taught a short course on finches for students at the CDRS.

#### **April 1991**

—Hal Whitehead, Dalhousie University, Canada; sperm whales.

—Leon Baert, Jean Paul Maelfait, Konjev Desender,

and Johan Boonefaes, the Royal Belgian Institute of Natural Sciences; invertebrates; assisted by María Teresa Lasso, Central University of Ecuador.

—Stewart and Jarmila Peck, John Heraty, and Claus Vogel, Carleton University, Canada; the distribution, ecology, and evolution of insects and other terrestrial arthropods.

#### **May 1991**

—Tanya Nolivos, Angelí Hernández, Pablo Avilés, and Sandra Mora, University of Guayaquil; finished their volunteerships in the different areas of sciences.

—Craig MacFarland, President, and Alfredo Carrasco, Secretary General, CDF.

—Gladys Santacruz, Central University of Ecuador; volunteer assistant in the Area of Terrestrial Plants.

—Howard and Heidi Snell, Alexis Schubert, Paul Stone, Lee Fitzgerald, and Don Miles, University of New Mexico; land iguanas and lava lizards; with Marco Altamirano, University of Guayaquil.

—Mario Piu, University of Guayaquil; volunteer assistant in the Marine Laboratory.

—Richard Podolsky, Island Institute; the attraction

of Dark-rumped Petrels with taped vocalizations; assisted by Edwin Ortiz, Central University of Ecuador.

—Linda Delay and Mike Guzy, University of Missouri; evolution of cooperative breeding in tropical raptors; assisted by Jenny Naranjo, of the Catholic University of Quito.

—Joël Bonnemaison, Head of the Department of Urbanization and Development of ORSTOM; to establish a research agreement with the CDF.

### June 1991

—Fernando Rivera, University of Guam; the genetic variability between allopatric populations of *Pocillopora damicornis*.

—Priscila Martínez, University of Guam; histocompatibility and genetic relationships of black coral.

—Rafael Menoscal, Higher Polytechnical School of the Littoral; volunteer assistant in the Area of Herpetology.

—Sally Walker, Oregon State University; preliminary evaluation of the distribution and population status, use of shells, and ecology of the hermit crab *Coenobita compressus* on Isla Santa Cruz.

—Joshua Feingold and David Obura, University of Miami; the effects of water temperature on the loss of color and survival of the white coral community.

—Fabrizio Barahona, Martha Véliz, Danilo Urbina, and Diana Vinueza, University of Guayaquil; volunteer assistants in the Area of Introduced Mammals.

—Félix Cruz, University of Guayaquil, and Cecilia Machado, Technical University of Ambato; volunteer assistants in the Area of Environmental Education.

—Rosa Murillo, Higher Polytechnical School of Chimborazo, and Patricio Clavijo, Technical University of Ambato; volunteer assistants in the Area of Terrestrial Plants.

—Johanna Soriano, University of Guayaquil; volunteer assistant in the Area of Invertebrates.

—Gary McCracken and John Hayes, University of Tennessee, and Jaime Zevallos, the National Polytechnical School; status, distribution, and genetics of bats.

—Cleveland Hickman, Scott and Paty Herderson, and Rosie Bolen, Washington and Lee University; field guide to the coastal invertebrates of the

Galápagos.

—Max Cajas, Central University of Ecuador; finished his volunteership in the Area of Environmental Education.

—Gay Ver Steeg, USA; volunteer in the Area of Environmental Education.

### July 1991

—Sam Bower, Quito; volunteer artist in the Area of Environmental Education.

—John and Andrew Brierley, Amanda Sutcliffe, Rachel Pears, John Walker, Simon Jennings, and Graham Saunders, Cambridge University, and Jorge Gómez-Jurado, the Higher Polytechnical School of the Littoral; diving sites in Galápagos.

—Franceso Alberty, American University in the United States; research for his thesis on national parks in the Third World, specifically the protected areas of Botswana and Ecuador.

—Gerald Kooyman, Scripps Oceanographic Institute, and Markus Horning and Víctor Carrillo, the Max Planck Institute; the daily activity and diving velocity of diving birds in Galápagos.

—Luis Sánchez and Bernardino Chancusig, National Polytechnical School; dynamics of systems in the Galápagos.

—Linda Cayot, CDRS; attended the Annual Meeting of the Society for the Study of Amphibians and Reptiles and the Herpetologists' League in the US.

—Edgar Muñoz, CDRS; participated in a course on Management of National Parks at the University of Colorado.

—Sid Kane, journalist with the United Nations Development Program; accompanied by Alfredo Carrasco, Secretary General, CDF.

—Kyra Mills finished her volunteership in the Area of Herpetology.

### August 1991

—Luis Alulima, Galapagueño student of the Ecuadorian Armed Forces; practical experience in accounting.

—The 18th Session of the National Institute of Superior Studies.

—Caroly Shumway, US-AID.

—Rodrigo Crespo, Alfredo Carrasco, and Mario Hurtado, CDF; participated in the evaluation of the 1991 Operation Plan of the CDRS and the GNPS.

—The Minister of Energy and Mines, the Secretary General of Public Administration, the Undersecretary of Forestry of the Ministry of Agriculture and Livestock, and functionaries of Petroecuador and Petrocomercial.

### September 1991

—Johanna Barry, CDF fund-raiser, USA; to learn about the Station and its work.

—A group of paleontologists of the Universities of Pisa, Firenze, and Camerino, Italy; Plio-Pleistocene sediments in the Islands.

—The GNPS, with the assistance of the CDRS, began training courses for Naturalist and for Auxiliary Guides.

—Bernardo Beate, Geology Faculty of the National Polytechnical School, gave lectures in the guides courses.

—Howard and Heidi Snell, Paul Stone, and Alexis Schubert returned to the USA.

—David Obura, assistant to Joshua Feingold, returned to the USA.

—José Calvopiña left the Station.

—The group of divers from Cambridge University returned to England.

—Bernardo Beate, Faculty of Geology, the National Polytechnical School, and Mario Hurtado, the National Fisheries Institute; lectured in the guides courses.

—The group of paleontologists from the Universities of Pisa, Firenze, and Camerino returned to Italy.

—Edwin Ortiz finished his volunteership and returned to the continent.

—Gonzalo Cerón and his family visited the Station during his vacation.

—Washington Tapia, CDRS scholarship student from Galápagos; volunteer in the Area of Herpetology.

—Olav Oftedal, USA; advised in the Area of Herpetology.

—Alejandra Mejía, Quito; drawings for the book *¿Dónde Vivo Yo?*.

—Participants in the CDF's First Seminar for Journalists.

—Joshua Feingold, USA; coral studies; with the assistance of Graham Saunders.

### October 1991

—Jorge Palacios, Quito; censuses of penguins, cormorants, and gannet birds.

—Lucia de Yánez joined the Station as temporary assistant in Accounting.

—Eduardo Amador and Eliecer Cruz, Guayaquil; discussed administrative matters.

—Luis Duque, temporary assistant in the Computer Center, left the Station.

—Martha Romo Leroux; assistant in Public Relations.

—Washington Llerena, CDRS; participated in a course in dBase in Quito.

—Graham Saunders, participant in the Cambridge University diving group and field assistant for Joshua Feingold, left the Station.

—With Craig MacFarland, Rodrigo Crespo, and Ole Hamann, H.R.H. Prince Henri of Luxembourg arrived to learn about the work of the CDRS and the GNPS.

—H.R.H. Prince Henri, Craig MacFarland, Rodrigo Crespo, Ole Hamann, Daniel Evans, Pablo Larrea, Pádraig Whelan, Fionnuala Walsh, David Sutherland, and Sandra Abedrabbo attended the 58th Meeting of the Executive Council of the CDF in Quito.

—Ricardo Pincay took a course in Guayaquil on preventative maintenance.

—Martin Wikelski, Victor Carrillo, Eileen Connors, and Dolores Schutz, Germany, with field assistants Martha León and Eduardo Espinoza of the University of Guayaquil; foraging behavior and population dynamics of the marine iguana.

—Cecilia Betancourt, Galapagueña; volunteer assistant in the Area of Terrestrial Plants.

### November 1991

—Pádraig Whelan, principal investigator for the control of introduced plants and the development of a quarantine program.

—Jim Wurz, Colorado State University, and José Cárdenas and assistant Julia López, Central University in Quito; conducted, through interviews at the Baltra and San Cristóbal airports, a study on the management of visitors to Galápagos National Park with an analysis of visitor motivation, expectations, and preferences.

—Oscar Cevallos, Quito; architectural guidance on the Tomas Fischer Science and Education Building.

—Oswaldo Cervantes, Dean of the Faculty of Agricultural Sciences, the Technical University of Esmeraldas (UTE), and Abel Tobar, UTE; presented a course on forestry nurseries and held discussions about the agreement between the CDRS and the UTE and the program of scholarship students and

volunteers.

—Raúl Marcillo, University of Guayaquil; volunteer assistant in Marine Biology.

—Lucia Pérez joined the Station as temporary secretary for the Manager.

—Patricia Bertero attended a course in Quito on personnel evaluation.

—Mario Piu ended his volunteership and returned to Guayaquil.

—Hugo Valdebenito, Sandra Abedrabbo, Juan Ruiz, Milton Freire, and Patricio Clavijo attended the 15th National Biology Symposium in Guayaquil.

—Félix Cruz, volunteer in Environmental Education, went to San Cristóbal to help in the preparation of radio programs.

—David Sutherland and Pedro Ponce, participated in a seminar in Patate on the elaboration of environmental education strategies for Ecuador, organized by Fundación Natura.

—David Anderson and Christa Budde, University of California, with field assistant Ilonka von Lippke; ecology, reproduction, and feeding of boobies in Galápagos.

—Linda Cayot travelled to Atlanta; invited to participate in the live programs of the Jason Project.

### December 1991

—Volunteers Gladys Santacruz, Fabrizio Barahona, Diana Vinueza, Martha Véliz, and Félix Cruz finished their volunteerships and returned to the continent.

—William Revelo, field assistant to Martin Wikelski; marine iguanas.

—Beatriz Guarnizo, Technical University of Ambato; volunteer assistant in the Area of Environmental Education.

—Vinicio Remache, Central University; field assistant for David Anderson.

—Miriam Steinitz-Kannan, Ramamurthi Kannan, Geetha Kannan, Michael C. Miller, Mark Brenner, and Melanie Riedinger, Northern Kentucky University; with field assistant Lynda Carrasco, Pontifical Catholic University of Ecuador; changes in precipitation during the Late Holocene in the equatorial Pacific through the record of lagoon sediments in Galápagos.

—Sandra Abedrabbo participated in the Entomological Meeting in Quito.

—David Anderson and Ilonka von Lippke left the

Station.

—Gila von Hegel, Germany, and Fabrizio Barahona, Guayaquil; marine iguanas.

—Gonzalo Vargas joined the Station as Assistant in the Stockroom.

—Linda Cayot returned from Atlanta, after participating in the Jason Project.

—Carlos Caiza, Technical University of Ambato; volunteer assistant in the Area of Introduced Mammals.

—After working as field assistant in several projects, Jorge Gómez-Jurado returned to the continent.

—Rosa Murillo and Patricio Clavijo finished their volunteerships and returned to the continent.

—Joshua Feingold returned to the USA.

### January 1992

—Sylvia Gavilánez, Technical University of Ambato; volunteer assistant in the Area of Invertebrates.

—Peter and Rosemary Grant, Princeton University; finches and mockingbirds.

—Lucia Pérez joined the Station as secretary for the Assistant Director and the Manager.

—Marcelo Mantilla, Technical University of Ambato; volunteer assistant in the Area of Environmental Education.

—Charles Huttel and Andrés Intes, ORSTOM, Quito; discussed possibilities of providing a marine biologist for the Station.

—Alan White, University of Rhode Island; examined the possibility of undertaking a project oriented towards helping community development.

—Christa Budde, assistant to David Anderson, returned to the USA.

—André Morocco, ORSTOM; discussed and finalized the agreement to conduct socioeconomic studies in Galápagos.

—Fanny Jarrín resigned from her position as Sales Assistant in the CDRS kiosk.

—Frank Wheeler, Ambassador from Great Britain.

—Volunteer Raúl Marcillo left the Station.

—Jens Wahlstedt, President of WWF-Sweden, and his wife Kerstin, with representatives of his organization, visited and brought a donation from WWF-Sweden.

—Apolinario Pincay left the Station after working as watchman-concierge.

—Daniel Evans ended his period as Director of the

CDRS.

### February 1992

- Ruediger Schultz, Switzerland; book on penguins of the world.
- Agnes Tark and Michaela Hau, Germany; assistants for the study of marine iguanas.
- Alexandra Guerrero, Galápagos National High School; began practical studies in the CDRS Accounting Department.
- Seizo Handa, Executive Director of WWF-Japan; visited the CDRS to learn about its work and to investigate possibilities of giving economic support.
- Daniel Evans and his family returned to the USA.
- Bernard Gall, assistant for Martin Wikelski, returned to Germany.
- A group of Ecuadorian Naval cadets, and a group of retired IESS workers formed the group *The Third Age*.



- Javier Yépez, the Museum of Natural Sciences, Quito; helped in the CDRS Museum.
- Dolores Schutz, field assistant for Martin Wikelski, returned to Germany.
- Amada Altamirano, National Galápagos High School; practical studies in the Area of Administration in the CDRS.
- Alexandra Carrión began work as Sales Assistant in the CDRS kiosk.
- Pedro Castañeda, University of Guayaquil; volunteer assistant in the Marine Laboratory.
- Hernán Guarderas and Eduardo Calderón, Director and Assistant Director of Protocol of the Foreign Office of Ecuador.
- Hernán Bonilla, Quito; Assistant in Accounting.
- César Mora began work as watchman-concierge.
- Ruediger Schultz returned to Switzerland.

### March 1992

- Rosemary Andrade, CDRS scholarship student from Galápagos at the University of Guayaquil; volunteer assistant for the Areas of Terrestrial Plants and Advice on Resource Management.
- Ricardo Palma, part of Stewart Peck's group, arrived.
- Stewart Peck, Bernard Landry, and Joyce Cook, Carleton University in Canada, with assistant Elvia Inca; distribution, ecology, and evolution of insects and other terrestrial arthropods in Galápagos.
- Jesko Patschke, Germany; assistant for Martin Wikelski.
- Janeth Olmedo, Central University; scholarship student in the Area of Herpetology.
- Alfredo Carrasco, Secretary General of the CDF, arrived from Quito.
- Lonesome George, the last individual of the race from Isla Pinta, was transferred with the two females from Wolf Volcano to their new corral.
- Peter and Rosemary Grant returned to the USA.
- Marcelo Mantilla, Pedro Ponce, and David Sutherland taught a course in Locution and Radio Programming.