

ANTANANDAVA MADAGASCAR



Saving Island Species, Habitats,
& Cultures Throughout the World



In this rural village in northeast Madagascar, children attended school in crude structures made of bamboo and palm leaves with no floors, no nearby restrooms, virtually no school supplies, and not enough desks.

Since 2010, villagers in Antanandava have been using Seacology funds to build a 56-foot long concrete structure equipped with desks, tables, blackboards, cupboards, and a bathroom block. It took two years to build because nearly every stage of construction proved to be a challenge. Not only was it necessary to haul each piece of furniture and building material across a wide river to reach the village, but it took time for the project's carpenter to find lumber that had been legally harvested.



Deforestation is a problem all over Madagascar, and the region around Antanandava is no exception. In exchange for the schoolhouse, villagers agreed to cease slash-and-burn farming within a 988-acre forest reserve home to 60 species of reptiles and amphibians, 75 species of birds, and 6 species of lemurs.



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ABOVE: Antanandava's new schoolhouse.

LEFT: The forest surrounding Antanandava is home to threatened endemic plants and animals, including two endangered species.

FAR LEFT: The village's old schoolhouses, made from bamboo and palm leaves.



Paul Alan Cox, Seacology Chairman

Dear friends,

This month, I needed to take an unexpected research trip to the Caribbean island of St. Kitts. Once there, I contacted our office in Berkeley to see if we had any Seacology projects in St. Kitts. Our Program Manager Karen Peterson informed me that we helped establish a sea turtle conservation center at St. Kitt's Keys Beach. She also gently let me know that I could have learned this by checking our website.

It is remarkable to me how such a small organization has established conservation projects on 140 different islands in 48 countries throughout the world. If you find yourself on an island almost anywhere in the world, chances are that you are not too far from a Seacology project. Even more gratifying is to realize that Seacology's global conservation effort which has resulted in the preservation of over 1.6 million acres of aquatic and terrestrial island habitats has been accomplished in such an efficient manner. Seacology's 2011 annual report (also available on our website) shows that only 10% of our revenues are used for administration with 15% allocated to fundraising, leaving 75% of every dollar going towards island projects. It was remarkable to me sitting in St. Kitts to realize that my personal contributions to Seacology have even been able to assist the preservation of sea turtles on an island that I had only arrived on the day before.

Seacology is a great charity and a wonderful cause. Our island projects, while typically small, mean so much to the villagers who make such large sacrifices to protect their environment. Thank you for joining me, and so many others, to help save the world one island at a time.

Paul Alan Cox
Chairman



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Ngamba Island's Intriguing Chimpanzees

In May, officials at the Ngamba Island Chimpanzee Sanctuary installed a Seacology-funded solar-powered refrigerator, allowing veterinarians to store medicines and blood samples on site. Get to know these fascinating—and often troubled—chimps and you'll see why we're so eager to help.

The chimpanzees on Ngamba Island's sanctuary in Lake Victoria come from all over East Africa. Some have been orphaned as infants due to illegal hunting. Others were kept illegally as pets, often in decrepit conditions.

Take Ikuru, a 17-year-old chimp with a long, dark face whose mother was killed by militants in the Congo—a Ugandan soldier rescued the

infant chimp and brought her to the sanctuary. Or Baluku, now 14-years old, who spent his infancy alone, locked in a dark house secured in place by a rope around his waist that cut into his skin—park rangers rescued him when Baluku's owner was caught trying to sell him on the black market.

Whatever their backstory, the chimps on Ngamba Island are not able to survive in the wild. There is hope that some chimps may one day be ready to return to their natural habitat, but in the meantime, the sanctuary provides a safe place for the primates to be healthy and happy while interacting with other chimpanzees.

A contingent of Seacology representatives



The Ngamba Island Chimpanzee Sanctuary gives orphaned chimps a safe place to be healthy and happy while staying social.

visited Ngamba Island in July to tour the facilities, meet the staff, and to check on the solar powered refrigerator (which is in use), and they were impressed by what they saw. The island, which is a 90-minute boat ride from the Ugandan mainland into Lake Victoria, has more than just facilities. It boasts a rich and vibrant ecosystem, a habitat fit not just for the chimps but for fruit bats, fish eagles, hippos, and otters.

Given this natural environment, it's no surprise that the 44 resident chimpanzees revert to some of the basic social instincts seen in wild chimpanzee groups. Over time, they've developed a complex system of hierarchies which is often in flux as up-and-comers challenge established chimps for higher social rankings.

Consider the story of Eddy, an older male chimpanzee rescued from an Egyptian circus in the late 1990s. Eddy arrived at Ngamba Island depressed and sullen, and had trouble fitting in. But after waiting—plotting?—for several years, Eddy enlisted a fellow Egyptian circus alum named Mika to overthrow a big, round-faced chimp named Robbie from the clan's top spot. The coup worked, but Eddy's reign was cut short when, just a couple weeks later, his ostensible ally Mika made his own move and ousted Eddy. Mika remains the alpha male to this day. Meanwhile, Eddy settled into the number three spot behind a grey-haired chimp named Tumbo who came to the sanctuary in 1998 after being confiscated from smugglers in Uganda's Entebbe Airport. Can't take the jungle out of a chimpanzee, so to speak.



PROJECT UPDATES

With dozens of active projects around the world, things are happening all the time. Here are just a few highlights of the past several months.

1

WASINI ISLAND, KENYA

With no freshwater source on Wasini, islanders have always struggled with water shortages. Often, they've had to purchase water to be shipped in from the mainland, which is expensive. But in 2009 we helped start an overhaul of their water-saving infrastructure, funding the renovation of old water tanks and the installation of three new ones. (In exchange, Wasini islanders agreed to protect over 1,200 acres of mangroves.)

According to Dishon Lionel Murage, our field representative in East Africa, the tanks have worked so well that, for the first time, the community went a full year without having to "fetch a single jerrican of water from the mainland."

2



© Bryson Vohrin

ESCUDO DE VERAGUAS ISLAND, PANAMA

Our partners in Panama have begun meeting with communities near Escudo de Veraguas Island garnering support to conserve the island's mangroves and protect endemic species like the critically endangered pygmy sloth (above). Many in these communities cut the mangroves to make charcoal for cooking, which is why we'll also be distributing alternative cooking equipment to reduce that demand. (The stoves have been ordered and are on their way.)

That's the good news. The bad news is that a recent survey of pygmy sloths on the island turned up much fewer individuals than originally thought. Previously estimates have been as high as 400 (which is hardly high at all) but surveyors from the Zoological Society of London found evidence of no more than 100.

3

SAN SALVADOR ISLAND, BAHAMAS

Hurricane Sandy blasted right through San Salvador Island on October 25, rattling everyone at the Gerace Research Centre, home to the San Salvador Iguana breeding facility we helped launch. Despite some serious wind and rain, staffers made it through the storm safely, and reported that all the San Salvador Iguanas, taking shelter in their enclosure's underground burrows, did too. However, the hurricane underscores the need for the breeding facility, as heavy storms can pose a serious risk to the iguana's few remaining natural habitats.

4



Jose Angel Sanchez-Pacheco

ISLA NATIVIDAD, MEXICO

Just five miles off of the west coast of Mexico's Baja peninsula, Isla Natividad is a mostly barren island home to a few hundred fishermen, most of whom belong to a fishing cooperative (*Buzos y Pescadores de Baja California*). With rich marine life and even a world-class surf spot, Isla Natividad has great potential for ecotourism.

But the island's virtual lack of lodging makes visiting a challenge. We're funding the construction of two cabins (currently under construction) that will be rented out to visitors with the revenue going towards improving the local community and conserving the land. In exchange, locals also agreed to establish a 1,120 acre preserve which includes the main nesting grounds of the black-vented shearwater bird.

5



© LAMCOT

PATE ISLAND, KENYA

In 2009, we launched a project with the Lamu Marine Conservation Trust (LAMCOT) to help them patrol a new 741-acre marine protected area and to monitor sea turtle populations around Pate Island, providing funds for things like demarcation buoys, moorings, snorkel gear, and shelters for patrolling scouts.

LAMCOT is still going strong, continuing beach cleanup efforts as well as monitoring the comings and goings of sea turtles. The group reports that since January they've tagged nine turtles, observed hatchings at five turtle nests (together producing 372 hatchlings), and found 12 new nests.

6

FLORES ISLAND, INDONESIA

Construction on the new health clinic in Sano Nggoang had been slow due to heavy rains which led to shortages in materials like cement, plywood, and glass. But by May, the building was finished and stocked with basic health equipment, and furnished with running water and solar power. No longer will villagers have to travel four hours by bus (which only comes twice a week) to the nearest clinic to get basic medical care. In exchange for the clinic, the village agreed to create a 74-acre community forest as a no-take zone and continue their commitment to an existing 900-acre area in the nearby Mbeliling Forest.

7

ABACO ISLANDS, BAHAMAS

Just a few months ago, we agreed to help build signage and cabanas in two national parks in the Abaco Islands to help visitors understand the rules and boundaries of park areas.

One cabana in Pelican Cays Land and Sea Park is already finished, but construction wasn't without its challenges. Building anything is hard, but building something on a deserted island is even harder. Workers had to carry each piece of lumber from a boat through shallow water and then finally on to the cay and over to the construction site. Up next is a cabana and signage on nearby Fowl Cays National Park.

New Projects

In June, our Board of Directors approved eight new projects, already underway:

Country	Location	Benefit to the community	Benefit to the environment
GRENADA	St. Andrew Parish	Viewing towers, picnic tables, and interpretive signage	Improved enforcement of 3,000-acre forest reserve
INDONESIA	Fam Island	Solar power for school; guard post	Support of a 143,000-acre marine reserve
JAMAICA	Long Acre, Saint Elizabeth	Administration and Educational building	Improved enforcement of 625-acre fish sanctuary
MADAGASCAR	Amboloboza Community, Sahamalaza	Two classrooms and restroom block	618-acre forest reserve
PHILIPPINES	Maribojoc, Bohol Island	800-meter boardwalk	Support of 139-acre mangrove reserve
MARSHALL ISLANDS	Namdrik Atoll	Education and surveillance center; pearl farming equipment	86-acre marine protected area
TANZANIA	Namponda, Membelwa, and Kisiwa Kidogo Islands, Mtwara District	Community center; awareness program; support for alternative livelihood options	3,459-acre marine conservation area

NEW SEACOLOGY BOARD MEMBERS

Nadine Tang



Nadine Tang is a social worker in private practice in Berkeley and an adjunct professor at UC Berkeley and Tsinghua University in Beijing. She has served on a number of non-profit boards including the UC Berkeley Foundation where she was the chair. She is a keen diver and loves the outdoors. Together with her family, she supports a marine research station in Hong Kong where she was raised.

Lucien d'Sa



Lucien has held senior management positions in a variety of industries in the United Kingdom. He was Founder and CEO of Southbank Systems Plc, a leading developer of infrastructure management software. The company was acquired by MapInfo Inc in 2005. Since then, through the family charitable trust and Rotary International, he actively supports health and educational projects in the UK and Africa. Lucien, who was born on the island of Zanzibar, is a keen pilot, a Chartered Director, Chartered Marketer and Incorporated Engineer.

Seacology Island Legacy Society

If you are a Seacology Fellow, a longtime Seacology supporter, or are new to our cause and feel a great affinity for our mission, please consider joining our Island Legacy Society. Members of the Island Legacy Society have made a commitment to protecting islands for future generations to enjoy by making a planned gift to Seacology. To join the Island Legacy Society:

- Make a gift to Seacology in your estate plan through your financial advisor.
- Contact Seacology's Development Department at (510) 559-3505 or islands@seacology.org and we will send you a Letter of Intent to complete and return to us.

On behalf of Seacology's Board, staff, and most especially, the habitats and peoples of the world's islands, we thank the following Island Legacy Society members. Your thoughtfulness and generosity will conserve the unparalleled biodiversity and cultures of islands for many generations to come.

We are pleased to honor the following members of the Island Legacy Society:

- | | |
|---|---|
| Frank W. and Margaret B. Adelstein Fund (<i>deceased</i>) | Sara Katz |
| Anonymous (3) | Masayuki Kishimoto |
| Marie-Louise Ansak | Cathy Klema |
| Donald Arntz | Ken Murdock |
| Larry Barels | Matsuno Kuhara Patrick |
| Michael Burbank & Cindy Roberts | Peter Pistor |
| Kimo Campbell (<i>deceased</i>) | Shari Sant Plummer |
| Paul & Barbara Cox | John C. & Susan C. Racanelli |
| Rosalind Douglas Trust (<i>deceased</i>) | Gordon Radley |
| Graham Farrar Living Trust | James & Gretchen Sandler |
| Dr. & Mrs. Lawrence Feigenbaum | Joseph & Catherine Scalzo |
| Paul and Dianne Felton | Duane Silverstein |
| Eliot Girsang & Richard Wilson | Rose & Arthur Silverstein Memorial Fund (<i>deceased</i>) |
| Kathleen Goetten (<i>deceased</i>) | Michael & Marilyn Staffieri Family Trust |
| Hank and Jane Goichman | Cindy & Richard Troop |
| Morgan Griffin | Eric & Sharlene van Boer |
| Craig Grube | James L. Walker, IV |
| Scott Halsted | Erin West |
| Mr. Douglas Herst | Herbert A. West |
| Michael N. Hofman & Janet Moyer | Greg & Pat White |
| Carlton A. Hubbell Trust (<i>deceased</i>) | Windfall Foundation |
| Suzanna Jamieson | |

Upcoming Travel: Join Seacology on one of our exciting trips in 2013. Find more information and travel brochures at Seacology.org/Travel

Philippines

April 13–22, 2012

Explore some of the richest coral reefs in the world on a luxurious 107-foot liveaboard vessel, relax at a world-class resort, and visit a Seacology project site where solar panels are bringing big changes to one island village.



Atlantic Dive Resorts & Liveaboards

Mexico

August 17–22, 2012

Spend three days off Guadalupe Island on the *Solmar V* liveaboard vessel swimming in cages with great white sharks. Seacology helped set up a desalination system on Guadalupe Island that delivers fresh water to a small fishing community.



James Moskito

Fiji

June 22–29, 2012

Travel with Seacology to the Jean-Michel Cousteau Fiji Islands Resort on Vanua Levu Island for seven nights of water, reef and luxury. Visit two nearby villages where Seacology projects have improved the lives of Fijians while protecting surrounding forests.



Chris McClellan

2012 SEACOLOGY PRIZE WINNER

JOHN AINI

For his pioneering work mobilizing coastal villages to save their marine resources, Papua New Guinea's John Aini has been awarded the 2012 Seacology Prize, given every year to an islander for exceptional achievement in preserving the environment and culture of his or her home island.

While working for the National Fishing Authority in the 1980s, John Aini realized that the fish stocks around his home province of New Ireland were on the decline. So Aini began traveling by boat or truck to as many villages around New Ireland Province as he could giving presentations on the need to use natural resources sustainably. In 1993, Aini formalized these "Awareness Roadshows" by launching

Ailan Awareness (AA), an NGO that has grown to feature a variety of initiatives. AA now helps villages develop marine resource management plans, and recently launched a marine resource management school to educate and inspire the province's young people. By empowering coastal communities to manage the marine resources they depend upon, AA aims to protect both the people and marine ecosystems of New Ireland for future generations.

Mr. Aini has been awarded \$10,000 and was honored in a ceremony at David Brower Center in Berkeley, California, on October 11, 2012. The Seacology Prize is underwritten by Ken Murdock, Vice Chair of Seacology, in honor of his mother, Lalovi Fish Murdock.



Erin West



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Seacology is Protecting:	Seacology Has Launched:
832,448 acres of terrestrial habitat	227 projects on
774,995 acres of marine habitat	140 islands in
	48 countries across
	1 planet

Seacology works to conserve vulnerable ecosystems on islands around the world while helping local communities by providing an island village with a needed civic project – like a new school or health clinic – in exchange for protection of surrounding forests or coral reefs. These win-win solutions help the villages prosper while taking needed steps to ensure that the islands’ natural resources are protected for future generations.