


  
 The Charles A. and Anne Morrow
 
  
**LINDBERGH · FOUNDATION**
  
**N · E · W · S · L · E · T · T · E · R**

August 2008

# Lindbergh Awardees Focus on Environmental Stewardship and “Going Green”



*L-R: Knox Bridges, James Jacoby, Ted Turner, John King, Miles O'Brien.*

Sustainability and environmental stewardship were important themes during the Lindbergh Foundation’s 31<sup>st</sup> annual Lindbergh Award Celebration. Foundation friends gathered for this year’s award event on May 17 at The Ritz-Carlton, Buckhead hotel in Atlanta, Georgia. “The evening was stellar,” said Lindbergh Foundation President Knox Bridges.

**Miles O’Brien**, Foundation board member and CNN correspondent, who served as the Master of Ceremonies during the event began the program saying, “We at the Lindbergh Foundation celebrate and embrace a philosophy of stewardship of our little spaceship Earth that is optimistic and pragmatic – and celebrates our collective ingenuity. The Lindberghs believed that technology and protecting the environment are not at odds. To the contrary, they believed – and we agree – that our bright ideas are our salvation.”

Pointing to Ted Turner’s most recent “bright idea,” O’Brien explained that Turner’s restaurant chain of 55 Ted’s Montana Grills recently announced its plan to “go green.” According to the *USA Today* article “Can Eateries Go Green, Earn Green?” restaurants are the retail world’s largest energy user, at nearly five times more energy use per square foot than any other type of commercial building. Turner is helping fund a green restaurant

program to encourage restauranteurs to control energy use and curb waste at their establishments. In the article Turner said, “Imagine the implications for global warming if we get the whole restaurant industry to go green.” In an effort to reduce his restaurants’ carbon footprint, the straws at Turner’s restaurants are now made of biodegradable paper, the menus are printed on 100% recycled paper, disposable cups are made from cornstarch, and low-voltage light bulbs are being used.

The Lindbergh Award honors individuals for their significant contributions toward balancing nature and technology in their life’s work. During his acceptance remarks, Turner stated that he was very honored to receive the Lindbergh Award. “I have tried, in the latter half of my life, to use the time I have left to make the world a better, safer, more equitable place to live,” he said. He outlined the philanthropic work he has been committed to over the past two decades, including the preservation of natural habitat, endangered species and ecosystems through the Turner Foundation and the Turner Endangered Species Fund. Mr. Turner closed by saying his work has given him “a lot of pleasure and satisfaction, and particularly when we get recognition like we are tonight. It really is the icing on the cake.”

## The Jacoby Group Focuses on Sustainable Green Projects

**The Jacoby Group** was selected to receive the Foundation’s **Corporate Award for Balance**, which is given to corporations or organizations whose concern for and dedication to the environment and improving our quality of life is demonstrated through their business practices.

The Atlantic Station, Jacoby’s flagship project in Atlanta, Ga., was a “19<sup>th</sup> century steel mill – abandoned, rusting, filled with toxic waste,” said Miles O’Brien as he introduced Mr. Jacoby. “Today it is the gleaming site of condos, offices, restaurants, retail and theaters, all built with recycled materials and the environment in mind.”

Awardees, continued on page 3

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## Letter from the President



Dear Friends:

It's been a busy spring and summer for us at the Lindbergh Foundation. We had an extremely successful Lindbergh Award Celebration in Atlanta, Georgia; selected 10 outstanding Lindbergh Grant recipients who will be introduced to you in this newsletter; and attended the 2008 EAA AirVenture Airshow where we announced the third Lindbergh-Lycoming Aviation Grant recipient. You'll be reading all about these significant developments, and much more, in the pages of this newsletter.

We're very pleased to announce that Edward A. Knapp, president emeritus of the Santa Fe Institute, has joined our board of directors. We will introduce you to Ed in our next newsletter.

The Lindbergh Foundation's annual meeting is coming up at the end of September. We will be focusing on some strategic planning, helping us set the course for a strong future.

I would like to personally invite you to attend a **hangar party at the Golden Wings Museum at the Anoka County Airport**

**in Blaine, Minn., on Saturday, September 27.** This event promises to be great fun for you and the Foundation. Registration information for this event can be found on page 12 and on our web site at [www.lindberghfoundation.org](http://www.lindberghfoundation.org).

Finally, I'd like to encourage you to sign-up for the *Lindbergh Flyer*, our new periodic e-newsletter, which will be used to provide you with news, updates and event announcements. You



can help us reduce our use of natural resources by signing up to receive the *Lindbergh Flyer*. Simply click on "Add Me to Your E-Newsletter List" under Quick Links on our web site at [www.lindberghfoundation.org](http://www.lindberghfoundation.org).

As always, I thank you, on behalf of the board of directors and staff of the Lindbergh Foundation, for your continued support of our mission of balance.

## Lindbergh Foundation and Orvis Announce Exclusive "Aviation-Themed" Clothing Line

Wearing a flying suit and leather helmet, Charles Lindbergh prepared for the most important flight of his life. At 7:51 a.m. on May 20, 1927, "Lindbergh buckled his safety belt, stuffed each ear with a wad of cotton, strapped on his wool-lined helmet, and pulled his goggles down over his eyes," wrote A. Scott Berg in his biography entitled "Lindbergh."

Getting ready for a flight is a little different today, but now pilots can enjoy a little piece of Lindbergh history with a modern twist thanks to a new line of clothing based on the style and type worn by the famous aviator himself.

Resulting from the newly established partnership between the Foundation and The Orvis Company, the premier catalog outdoor clothier since 1856, an "aviation-themed" line of clothing is now available exclusively from Orvis.

Under the program, The Orvis Company will contribute a percentage of sales from this exclusive line to support the operations and programs of the Lindbergh Foundation.



"We are thrilled about our new partnership with Orvis," said Foundation President Knox Bridges. "Orvis has 150 years of experience in the outdoor clothing and catalog business. They also have an impeccable reputation and commitment to environmental conservation. We couldn't ask for a better partner in this endeavor. I've seen the product samples and they are fantastic. I'm sure this will be an extremely popular line benefiting both organizations."

**A few of the items from the line include:**

- The Spirit Leather Flight Jacket
- Transatlantic Zip-neck Sweater
- Lone Eagle Flight Shirts
- Mechanic's Foul-Weather Sweater, and
- Spirit Aviator Watch

"The Orvis Company is very dedicated to environmental conservation, especially related to fish and wildlife habitat," said Orvis Communications Manager James Hathaway. "Using the profits from the clothing line to support the Lindbergh Foundation, which puts Charles and Anne Morrow Lindbergh's environmental beliefs into action, makes the program even more fulfilling."



John King, Lindbergh Foundation Chairman of the Board, presents the 2008 Corporate Award for Balance to James Jacoby, Founder, President and CEO, of The Jacoby Group.

Upon accepting his award, Mr. Jacoby said, "I am deeply honored to receive the Lindbergh Corporate Award for Balance, and extremely humbled to be in the company of companies like Patagonia and Google. Sharing this moment with you tonight is tremendously meaningful to me and The Jacoby Group team because it is a validation of our efforts to move beyond the bricks, mortar, and convention of commercial real estate and focus on sustainable green projects."

Mr. Jacoby highlighted several projects his company has worked on over the years including a public-private partnership with the state of Hawaii using all alternative energy as well as a project that was *not* developed and is now an extension of the Ding Darling Wildlife Center in Florida.

Among his favorite projects is Florida's Marineland, the world's oldest oceanarium. "We are creating what we hope to be a 'Woods Hole' for people interested in issues of the ocean to come together," said Jacoby. He added that Cornelius Vanderbilt Whitney and Juan Trippe of Pan American Airways founded the original Marineland in 1938, and that Charles Lindbergh worked for Pan Am starting in 1928. (Lindbergh served as a technical advisor to Pan Am for 45 years, and was instrumental in determining the company's transatlantic routes.)

The Marineland property is now undergoing an expansion in partnership with the Georgia Aquarium. When completed, it will be the first dolphin, manatee, and whale rescue center on the East Coast where injured animals can rehabilitate and be released back into the wild or have a permanent home.

Looking to the future, Mr. Jacoby discussed his idea for an "aerotropolis" – a central business district for the airport – at Airport Station. "One of the things we are trying to do is green the airport. With some of our technology we are looking at taking the garbage of the airport and using our plasma technology to create a gas to run turbines to create green electricity from the airport. I think that is something that Mr. Lindbergh would have liked to hear about," said Jacoby. "We have a great opportunity to do a green project using and showcasing alternative energy and green materials."

The Jacoby Group is on its way to making this idea a reality. According to the June 12, 2008 issue of the *Atlanta Business Chronicle* Ford Motor Company announced that it sold its Atlanta assembly plant in Hapeville, Ga., to Jacoby Development, Inc. Jacoby plans to re-develop the 122-acre site, which is adjacent to the Hartsfield-Jackson Atlanta International Airport, into an "aerotropolis," complete with retail space, hotel and conference center. The *Atlanta Journal-Constitution* reported that environmental clean-up for the project should begin this year, with construction starting in 2009. The project is expected to be completed in 2020.

### Special Announcements

Before the evening concluded, Knox Bridges, president of the Lindbergh Foundation, made a few special announcements. He first acknowledged The Stanford Financial Group as a partner in the newly established Aviation Green Investment program (see related article on page 5). Two very prominent people from the aviation community were in attendance. Bridges invited them to come forward to accept a special gift.

**Patty Wagstaff**, premier aerobatic pilot, and **Jamail Larkins**, the first ambassador for Aviation & Space Education for the Federal Aviation Administration, each received a book signed by Reeve Lindbergh in appreciation of their contributions to aviation.



Patty Wagstaff accepts a book autographed by Reeve Lindbergh from Foundation President Knox Bridges at the 2008 Lindbergh Award Celebration in Atlanta, GA.

# News from EAA

## Third Lindbergh-Lycoming Aviation Grant Announced

The third Lindbergh-Lycoming Aviation Grant recipient was announced at a press conference during the 2008 EAA AirVenture Airshow on July 31.

**Dr. Ganesh Raman**, from the Illinois Institute of Technology in Chicago received this grant for his project entitled, *“Using High Frequency Sound Waves from Ultrasonic Actuators to Reduce Noise from Commercial Aircraft.”* A full description of Dr. Raman’s project will be included in the next issue of the Newsletter.

During the conference, Ian Walsh said, “We applaud Dr. Ganesh Raman for a project which promises to be a true advancement in technology that will benefit aviation, humanity and the environment.” Previously, Lycoming Engines announced its new iE2 series engine that, among other features, has been designed to improve fuel efficiency in aircraft.

The Lindbergh-Lycoming Aviation grant is open to anyone conducting an aviation/aerospace research project that balances technological advancements with the care and protection of our environment. Grants are given in amounts up to \$10,580, the cost of

building the *Spirit of St. Louis* in 1927. **The deadline for aviation applications is October 30, 2008**, with funding in July 2009. For complete details on the Lindbergh Grants program, descriptions of funded grant projects, Frequently Asked Questions, and a downloadable Lindbergh-Lycoming Grant application, visit our web site at [www.lindberghfoundation.org](http://www.lindberghfoundation.org), and click on the “Grants” link, or call the Foundation office at 763/576-1596.



*Ian Walsh (left), Sr. Vice President and General Manager of Lycoming Engines, and Martha King presented a certificate to Dr. Ganesh Raman (center), recognizing his 2008 Lindbergh-Lycoming Grant. Knox Bridges and John King look on.*

## Lindbergh Foundation Partners with the Patty Wagstaff/Kenya Wildlife Service

More than 25,000 elephants were illegally killed in 2007, mostly to feed the insatiable appetite of ivory markets in the Far East. But aviation is rising to this challenge, and is making an important contribution to the survival of the gentle giants.

For the past six years, **Patty Wagstaff**, one of the most decorated and skilled

pilots flying today, has spent her winter “off season” in Africa conducting flight-training for anti-poaching patrol park wardens from the Kenya Wildlife Service (KWS).

Air patrols are the single most effective deterrent to illegal poaching. With a fleet of eight patrol airplanes, (the Piper Super Cub, Aviat Husky, and Cessna 180, plus one Cessna Caravan and a Bell 206 helicopter) the 11 KWS patrol pilots and a handful of volunteers watch over nearly 60,000 square miles of elephant

habitat. Under Patty’s instruction, the accident rate of the patrol pilots has declined by more than 50%, and elephant populations in Kenya have increased by more than 25% since the program began in 2000.

The Lindbergh Foundation will serve as the financial trustee for any donations made to the Patty Wagstaff/Kenya Wildlife Service project. Tax-deductible contributions may be made payable to the Lindbergh Foundation at 2150 Third Avenue North, Suite 310, Anoka, MN 55303, or made on-line at [www.lindberghfoundation.org](http://www.lindberghfoundation.org). Donors should make sure to designate their support of the Patty Wagstaff/KWS project on their checks.

“Working with the Kenya Wildlife Service Air Wing has been one of the most rewarding experiences of my life,” said Patty Wagstaff. “Their excellent pilots appreciate the need for recurrent and aerobatic training and believe, as I do, that aerobatic lessons make all pilots more skillful, more confident and safer aviators, and gives them better tools to be able to combat elephant and rhino poaching in Kenya.”



*Patty Wagstaff with KWS pilots. Read more about this exciting work on our web site at [www.lindberghfoundation.org](http://www.lindberghfoundation.org), and click on the article in the News & Events section.*

*Why not sign up for the “Lindbergh Flyer,” our new e-newsletter, for the latest news & event announcements from the Lindbergh Foundation?*



## Stanford Financial Group Joins Aviation Green Investment Program

The Lindbergh Foundation is pleased to announce that the Stanford Financial Group's management office in St. Croix, U.S. Virgin Islands, a privately held global network of independent, affiliated financial services companies, has joined the Lindbergh Foundation's Aviation Green Investment Program.



"Sir Allen Stanford, the Chairman of the Stanford Financial Group, knows that addressing the critical issues facing the environment is of paramount importance," said Doug Hubener, General Manager, Stanford Aviation. "He has asked every department in the company to develop ways to support the environment. With a fleet of six corporate jets, our department was intent on finding a solution that would have a direct impact on the aviation sector's contribution to global greenhouse gas emissions. We feel strongly that the Lindbergh Foundation's program is a good match for this particular area of our Go Green activities."

As a result of Stanford's participation in the Aviation Green Investment Program (AGIP), the

Lindbergh Foundation is able, for the first time, to offer a second year of funding for two aviation projects that received Lindbergh Grants last year. **Dr. Amy Lang**, of the University of Alabama will receive a second grant to continue her research project entitled, *"Reducing the Drag Over Aircraft by Mimicking the Surface Geometry of Bristled Shark Skin Scales."* **Tom Ehresman**, an Inventor from Loveland, Colorado will receive a second year of funding for his research project to *"Create a Direct Injection Igniter Fuel Nozzle to Eliminate Use of Leaded Fuels in Existing High Power Density Aircraft Piston Engines."*

The suggested donation for participation in the Aviation Green Investment Program is one percent of annual aviation-related fuel costs. An added benefit to the AGIP is that the Lindbergh Foundation's non-profit 501(c)(3) status makes all contributions to the Foundation tax-deductible. Partners in this program also receive a decal to place on their aircraft offering a way to publicly show that they are wise and responsible members of the world community. For more information on how to participate in this program, visit our web site at [www.lindberghfoundation.org](http://www.lindberghfoundation.org).

**Wagstaff**, continued from page 4

### Pilot Training in 2009 is Enhanced

John and Martha King, co-chairmen of King Schools, Inc., and Lindbergh Foundation directors, are volunteering to conduct classes in aviation risk management during the training program. Ms. Wagstaff will lead the flight safety and proficiency segments, and the Kings will teach new concepts of risk management. "The Kenya Wildlife Service is struggling against long odds to preserve wildlife species that otherwise might be lost to the wild forever," said John King. "Martha and I are delighted to support the pilots of Kenya Wildlife Service. Avoiding aircraft accidents is critically important to the continuation of their incredibly valuable program. We hope we can help them install a process and pass along insights that their pilots will find useful in managing the inherent risks of their unique flying environment."

### King Schools – a Proud Partner in Aviation Green Program

King Schools, Inc., has also joined the Lindbergh Foundation's Aviation Green Investment Program, and their famous Falcon 10 sports the official Aviation Green Partners decal.

"The Aviation Green Investment Program gives aviation operators the opportunity to be part of an organization with a long and proven history of success," said Foundation Chairman John King, "This program is a strategic alternative to carbon offset programs for aviation operators who want to demonstrate that they are sensitive to environmental issues and willing to take action."



*"Don't just be carbon neutral," says John King. "Be carbon smart."*

# 2008 Lindbergh Grant Recipients Announced

The Lindbergh Foundation is pleased to introduce 10 outstanding grant projects, which were selected to receive funding this year. An additional four projects received Certificates of Merit. To date, 294 Lindbergh Grant projects have been chosen for funding since the program began in 1978, representing nearly \$3 million.

Lindbergh Grant projects are the cornerstone of the Foundation's mission and their global reach ensures that the Lindbergh legacy of balance resonates around the world. Each grant recipient receives up to \$10,580 (the cost of building the *Spirit of St. Louis* in 1927) to support their research or education project that demonstrates an ability to make important contributions toward balancing technological advancements with the care and protection of our environment. Full descriptions of each project will be included in the next newsletter.

The Foundation is deeply grateful for the financial support of the Lindbergh Grants program provided by **Knox Bridges**, North Carolina; **Cherbec Advancement Foundation**, St. Paul, Minn.; **Clare Hallward**, Canada; **Doug and Jennifer Moreland**, Wyoming; the **Laura Jane Musser Fund**, St. Paul, Minn.; **Reeve Lindbergh**, Vermont; and **Lycoming, Inc.**, Williamsport, Penn.

Lindbergh grants are also funded by the Lindbergh Grant Endowment and the James and Maureen Lloyd Grant Endowment.

**John Barrie**



*The Appropriate Technology Collaborative, Ann Arbor, MI*  
“Creating and Disseminating an Efficient, Cost Effective Universal LED Circuit Board Design as a Replacement for Kerosene Lamps in Central America”

**Dr. Gang Chen**



*Xinjiang Environment and Natural Resources Conservation Research Institute, Xinjiang, China*

“Conserving the Wild Bactrian Camels by Developing Sustainable Desert Communities in

Xianjiang, China”

*This plant/animal conservation grant is sponsored by the Lindbergh Grant Endowment*

**Melanie Hart**



*Simon Fraser University, Burnaby BC, Canada*

“Controlling the Peach Twig Borer Moth with Sound Signals”

*This agriculture grant is sponsored by Doug and Jennifer Moreland*

**Dr. Chi-Hua Ho**



*Camarillo, CA*

“Producing Biodegradable Plastics from Wastewater”

**Sue House**



*Madison High Academy of Science and Natural Resources, Portland, OR*

“Creating a School-Based Permaculture Garden that Provides Hands-On Educational Opportunities, Food for

Students, and a Home for Wildlife”

*This education grant is sponsored by Reeve Lindbergh*

**Joshua Kearns**



*Aqueous Solutions, Huntington, WV*

“Providing Safe Drinking Water to Rural Communities in Thailand Using Charcoal Filtration to Remove Pesticides”

*This grant in health is sponsored by the Jim and Maureen Lloyd Grant Endowment*

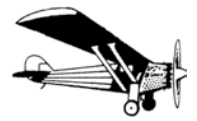
**Jennifer Morse**



*Duke University, Durham, NC*

“Predicting the Fate of Nitrogen and the Impact on Water Quality and Greenhouse Gas Emissions from Sea Level Rise and Wetland Restoration”

*This air and water conservation grant is sponsored by Clare Hallward*



**Dr. Ganesh Raman**



*Illinois Institute of Technology,  
Chicago, IL*  
“Using High Frequency  
Sound Waves from Ultrasonic  
Actuators to Reduce Noise from  
Commercial Aircraft”  
*This aviation grant is sponsored  
by Lycoming Engines*

**Yaron Segal**



*Yale University, New Haven,  
CT*  
“Developing High Performance  
Materials to Directly Convert  
Waste Heat into Electricity”  
*This waste minimization and  
management grant is sponsored  
by the Cherbec Advancement Foundation*

**Shale Rosen**



*Gulf of Maine Research Institute,  
Portland, ME*  
“Evaluating the Use of  
Midwater Trawls to Reduce  
the Environmental Impact of  
Commercial Fishing”  
*This animal conservation grant is  
sponsored by Knox Bridges*

**“Airplanes combined the elements I loved, bringing  
qualities of science and wilderness together without  
apparent conflict.”**

**– Charles Lindbergh  
“Is Civilization Progress?” 1964**

## 2008 Certificate of Merit Designees

**Dr. Harvey B. Lillywhite**



*Department of Zoology,  
University of Florida*  
“Using Aerial Imagery from  
Micro Air Vehicles to Document  
the Effects of Climate Change at  
Sea Horse Key”

**Jennifer Selgrath**



*Project Seahorse, Vancouver, BC,  
Canada*  
“Protecting Marine Biodiversity  
Using Satellite Images to Study  
Coastal Changes Resulting from  
Destructive Fishing Practices in  
the Philippines”

**Dr. Steve Ross**



*UNC Center for Marine Science,  
Wilmington, NC*  
“Protecting Deep-Sea Coral  
Habitat by Designing Drop  
Camera and Lander Systems”

**Kelly Garbach**



*University of California, Davis,  
CA*  
“Promoting Sustainable Agro  
Forestry to Reduce Deforestation  
in Costa Rica”

**Sign up to receive the *Lindbergh Flyer*, our periodic e-newsletter, for updates  
on funded grant projects and special event announcements**

**Click “Add Me to Your E-Mail List” at [www.lindberghfoundation.org](http://www.lindberghfoundation.org)**



## Awardee Updates

### Dr. John Todd Wins Buckminster Fuller Challenge

In June, **Dr. John Todd** was honored as the first winner of The Buckminster Fuller Challenge at a celebration dinner in New York City for his proposal entitled, “Comprehensive Design for a Carbon Neutral World: the Challenge of Appalachia.”



*Dr. John Todd accepts the Buckminster Fuller Award from Allegra Fuller Snyder, Fuller's daughter. The prize sculpture is entitled, "OmniOculi" and was created by artist Tom Shannon in collaboration with BFI Board member Joe Clinton.*

Ten years ago, Dr. Todd and his wife Nancy Jack Todd were the first couple to receive the Lindbergh Award for their pioneering ecological engineering work resulting in the concept of “living machines.” Now referred

to as “eco-machines,” the system treats and purifies wastewater with plants, animals and bacteria, rather than chemicals.

Clare Hallward, honorary board member of the Foundation, nominated John and Nancy Jack Todd for the Lindbergh Award and stated that, “[John’s] gift is for working in the biological world in a creative and co-evolutionary manner, finding pathways that transform harmful materials into useful by-products.”

She also cited a statement from Mr. Buckminster Fuller from 1980 in which he described John Todd’s work as having “historical importance.”

The \$100,000 Buckminster Fuller Challenge supports the development and implementation of a solution that has significant potential to solve humanity’s most pressing problems in the shortest possible time while enhancing the Earth’s ecological integrity. A jury of seven highly respected individuals, including another Lindbergh Awardee, Hunter Lovins, selects the winner.

According to an article by Jorge Chapa, Dr. Todd’s project is a “comprehensive design strategy for transforming one and a half million acres of strip-mined land in Appalachia into a harmonious self-sustaining community.” The article went on to say that Dr. Todd believes the natural capacity of capturing carbon by the soil can be increased and that this will result in a natural way to reduce carbon in the atmosphere while restoring the environment in the region.

A statement issued by the jury said, “Dr. Todd’s comprehensive design strategy to bring about a carbon neutral world best embodies the bold, visionary approach to large-scale societal transformation pioneered by Buckminster Fuller.”

### Solar Impulse Goes to the Olympics

Not far from the “Bird’s Nest” Olympic stadium, the current project of 2005 Lindbergh Awardee **Dr. Bertrand Piccard** and his business partner André Borschberg is on display.



*Solar Impulse on exhibit at the Olympics in Beijing, China. August 2008.*

Solar Impulse is a project developed by Dr. Piccard to create an aircraft that can circumnavigate the world powered entirely by solar energy and without emitting pollution. Omega, official timekeeper for the Olympic Games, and main partner and technology supplier of Solar

Impulse, is hosting a world premiere exhibition. They are devoting more than 1,000 square feet to the solar airplane and to the challenge of flying night

and day without fuel or pollution. The exhibit also included messages supporting energy savings, the use of renewable energies and the new technologies necessary for their exploitation.

Visitors learned how photovoltaic cells work and their recent progress; about the plane’s structural materials and capabilities; the management of the energy chain, the solar panels or the batteries right down to the propellers; as well as the role of the man–equipment interface, which is so essential to the piloting of the machine.

During an August 10 press conference, the future pilots of Solar Impulse, Bertrand Piccard, President, and André Borschberg, CEO, reiterated the need to emphasize the use of renewable energies and to reduce our dependence on fossil fuels.

2007 SUMMARY ANNUAL REPORT

PROUDLY CELEBRATING 30 YEARS

In 2007, the Lindbergh Foundation marked its 30<sup>th</sup> anniversary of supporting Charles and Anne Morrow Lindbergh's vision of balancing technology and the environment. Fitting for a foundation steeped in history, the annual Lindbergh Award Celebration was held May 16 at the Minnesota History Center in St. Paul.

**Dr. J. Michael Fay** received the **Lindbergh Award** for his use of technology to collect environmental information so people

### To Our Associates

Looking back on 30 years of supporting "balance" by giving research grants and individual awards, we believe our mission of supporting great innovations to foster our environment for a planet in balance remains relevant. Climate change and sustainability are the latest environmental buzzwords, but the Lindbergh Foundation has been addressing these issues, and many others, for a generation.

We continue to work hard to develop lasting partnerships with companies like Lycoming Engines, who has supported the Foundation's grants program for the second time in 2007, and NBAA Charities, a new corporate sponsor for us this year.

To all of you who have supported the Lindbergh Foundation in the past year, thank you. We believe that our history of giving quality research grants and individual awards will provide hope and inspiration to people around the world for a brighter future. Your support has helped make this possible.



worldwide can learn about the importance of sustainability and become inspired to take action.

In 1996, Fay flew a small airplane low over the forests of Congo and Gabon and observed the vast, intact forest corridor that spanned the two countries, from the Oubangui River to the Atlantic Ocean. From October 1999 through December 2000 he walked the entire corridor systematically surveying trees, wildlife and human impacts on uninhabited forest areas. Returning to Africa in 2004, Fay conducted an African Mega Flyover, assessing the impact of the human footprint on the continent through aerial surveys conducted from a Cessna airplane. During the flight, he traveled more than 60,000 miles in the specially designed plane and captured high-resolution aerial images of the continent in an effort to change the way Africa and the rest of the world perceive and use our natural resources.

**Sarah Susanka** received the **Anne Morrow Lindbergh Award** for her outstanding individual achievement, spirit of initiative, and work that exemplifies great dedication toward making positive contributions to our world.

Susanka is leading a movement to redefine the American home and lifestyle with a "build better, not bigger" approach to

architectural style. Her "Not So Big" philosophy is evolving beyond our homes and into how we live our lives.

**Astronaut Eugene Cernan** was honored with the Foundation's **Spirit Award**. This award is presented every 5 years and honors pioneering achievements in an aviation career and a spirit and character that represents the best of this nation.

Captain Cernan's remarkable career in the United States space program includes three separate space missions. He was the second American to walk in space as the pilot on Gemini IX, one of a crew of three to venture to the moon on Apollo X, and as Commander of Apollo XVII he holds the distinction of being the last man to leave his footprints on the surface of the moon.

Google received the **Lindbergh Foundation Corporate Award for Balance**. The award was established in 2006 to recognize corporations or organizations whose concern for and dedication to improving our quality of life by using technological solutions to improve our environment, is demonstrated through their business practices.

Co-founders Larry Page and Sergey Brin have developed worker incentives for efficiency and are supporters of alternative energy. The company also converted their corporate headquarters to solar power, and are encouraging computer manufacturers to use energy saving power supplies.



### LINDBERGH GRANTS

In 2007, the Board of Directors chose 14 exceptional research and educational projects to receive Lindbergh Grants in amounts up to \$10,580 (the cost of building the *Spirit of St. Louis* in 1927). This is the highest number of grants given in 20 years. Selected from 150 applications, the projects were chosen for their potential to make significant contributions toward improving the quality of all life by balancing our technological advancement and the preservation of our human and natural environment. Since the program started in 1978, 284 researchers in the United States and abroad have received more than \$2.7 million in funding for their important work.

Major gifts supporting 2007 Lindbergh Grants were received from: **Knox Bridges, Clare Hallward, Reeve Lindbergh, The Musser Fund, Lycoming Engines, Lindbergh School District and Community, Cherbec Advancement Foundation, Jeppesen Sanderson, Richard and Susan Kane and Peter Diamandis.**



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[info@lindberghfoundation.org](mailto:info@lindberghfoundation.org)

## 2007 Lindbergh Grant Recipients

**Dr. Angela R. Bielefeldt and R. Scott Summers**

University of Colorado, Boulder, Colorado

*Determining the Importance of Silver in Home Filters Used to Disinfect Drinking Water in Developing Countries*

**Catherine T. Cloud**

International Agricultural Development, Davis, California

*Promoting Sustainable Agriculture in Mozambique Through Junior Farmer Videos*

**Kristina Cockle**

University of British Columbia, Canada/Argentina

*Using Ground-based Measuring Tools to Study Birds' Nests in Tree Cavities in the Atlantic Forest of Argentina*

**Dr. Margaret A. Coffman**

Science Education Consultant, Ypsilanti, Michigan

*Empowering Students in Ecology, Music and Computer Science Through Active Participation in an Elementary Bird Song Curriculum*

**Jason Edens**

Rural Renewable Energy Alliance, Backus, MN

*Determining the Economics of Solar Heats as a Long-term Solution for Public Energy Assistance in the Midwest*

**Tom Ehresman**

Inventor, Loveland, Colorado

*Creating a Direct Injection Igniter Fuel Nozzle to Eliminate Use of Leaded Fuels in Existing High Power Density Aircraft Piston Engines*

**Dr. Peter Girguis**

Harvard University, Cambridge, Massachusetts

*Developing Microbial Fuel Cells from Soil for Lighting and Power in Rural Areas of the World*

**Dr. Andres Gonzales**

Laboratory of Chemical Ecology, Montevideo, Uruguay

*Reducing Pesticide Use in South American Soybean Production with Pheromone-Baited Monitoring Traps*

**Dr. William Knecht**

Maneuver Space Technologies, Pocasset, Oklahoma

*Reducing Upper Atmospheric Fuel Burn Through Direct Routing Air Traffic Technology*

**Dr. Amy Lang**

University of Alabama, Tuscaloosa, Alabama

*Reducing the Drag Over Aircraft by Mimicking the Surface Geometry of Bristled Shark Skin Scales*

**Kimberly Ritchie, Ph.D. and Max Teplitski**

Mote Marine Laboratory, Sarasota, Florida

*Harnessing Beneficial Bacteria for Coral Reef Health*

**Dr. James Smith**

University of Virginia, Charlottesville, Virginia

*Purifying Drinking Water in Guatemala With Ceramic Filters Made from Local Materials*

**Dr. Peter H. Wrege**

Cornell Lab of Ornithology, Ithaca, New York

*Using Acoustics to Monitor Poaching and Elephant Populations at Forest Clearing in Central Africa*

**Dr. John Zhai**

University of Colorado at Boulder, Boulder, Colorado

*Applying Ancient Building Technologies to Design Energy Efficient Buildings*

## EDUCATION/PUBLICATIONS

The Lindbergh Foundation is pleased to have been part of two exciting educational endeavors in 2007.

### *80<sup>th</sup> Anniversary Art Project*

Commemorating the 80<sup>th</sup> anniversary of Charles Lindbergh's historic trans-Atlantic flight from New York to Paris, nearly 1,000 students from four Lindbergh-named schools and seven schools within the Lindbergh School District participated in an art project. The theme of the art projects was inspired from a Lindbergh quote, "We actually live, today, on our dreams of yesterday; and, living in those dreams, we dream again." The student's projects were displayed in May at six national exhibit sites. A virtual gallery also was established by the Lindbergh School District.

### *Gail Langellotto's Work Inspires Others*

The Lindbergh School District and community of St. Louis, Mo., raised money to fund a Lindbergh Grant project as part of their Lindbergh Legacy Project. Dr. Gail Langellotto's project, "Assessing the Dispersal of Bees and Butterflies among Greenspace Garden Habitats in Urban and Suburban Areas in order to Preserve These Necessary Pollinators," was chosen. As a follow-up to receiving her grant, Dr. Gail presented the preliminary results of her research to donors and conducted a workshop and program for second-grade teachers and students in the Lindbergh

## THE CHARLES A. AND ANNE MORROW LINDBERGH FOUNDATION

### STATEMENT OF ACTIVITIES

January 1, 2007 - December 31, 2007

#### Support and Revenue

Contributions	\$338,671
Investment Return	131,857
Other	<u>81,277</u>

**Total Support and Revenue \$551,805**

#### Expenses

Program Services	\$318,643
Management and General	79,382
Fundraising	<u>109,119</u>

**Total Expenses \$507,144**

**Change in Net Assets \$ 44,661**

**Net Assets at Beginning of Year \$1,651,794**

**Net Assets at End of Year \$1,696,455**

Complete audited financial statements are available from the Foundation office or at [www.lindberghfoundation.org](http://www.lindberghfoundation.org).

School District. Dr. Gail's work inspired other projects like the Pollinator Project web site developed by the Lindbergh School District and the Gardens of Merit Project with the Missouri Botanical Garden.



# Honor Roll: March 15 - August 14, 2008

## LINDBERGH GRANT SPONSOR

Reeve Lindbergh, VT  
Lycoming, Inc., Williamsport, PA  
Stanford Financial Group, Houston, TX

## UNRESTRICTED

NBAA Charities, Washington, DC  
Cherbec Advancement Foundation, St. Paul, MN  
Clare Hallward, Montreal, Quebec, Canada

## AVIATION GREEN

### INVESTMENT PROGRAM

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Stanford Financial Group, Houston, TX  
Darryl Slattengren and Gail Goodwin, Boulder, CO  
Capt. Michael P. LaVelle, Salt Lake City, UT

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Paul Grubs, Rolling Hills, CA  
In memory of James G. Flannery  
Mr. & Mrs. Charles E. Stokes III, Newtown, PA  
In memory of Virgil Kauffman

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In memory of William S. "Bill" Warfield

## 2008 LINDBERGH AWARD CELEBRATION

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### Media Sponsor

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### In-Kind Sponsors

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Ms. Rosemary Brester, Hobart, WA  
In memory of Harry Lankester  
Dacia Durham, Minneapolis, MN  
In memory of Chuck and Nellie Stone  
Cameron Richardson, New York, NY  
In memory of Mary K. Wells

## HONOR GIFTS

Mr. and Mrs. Kenneth Gilpatrick, Oelwein, IA  
In honor of Caroline J. Jackson

## Contributions to the Foundation are Tax-Deductible

As a 501(c)(3) organization, your contributions are tax-deductible and with the matching gift, your donation is doubled. There are many ways to give. You may send a check to the Foundation office, make a contribution on-line through our secure web site, or you may donate shares of stock. Remember, there are no capital gains taxes on gifts of stock. Please contact the Foundation office if you would like information about including the Lindbergh Foundation in your will.

## Current Associates Gifts

**Individual/Family/Sustaining Associates \$35-\$100**

*Gift: Lindbergh Grant Projects Around the World.*

Cards feature field photos from Lindbergh Grant projects that have touched the far reaches of the world.



**Partnering Associate \$250**

*NEW Gift: Forward from Here.* Autographed copy of Reeve Lindbergh's newest book about family and growing older.

**Sponsoring Associate \$500**

*Gift: The Flight.* Limited edition lithographs numbered and signed by Master Painter Charles Kapsner.



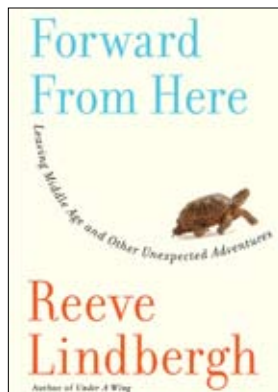
# Announcing ...

## Forward from Here

Reeve Lindbergh's latest book, "Forward from Here," is about the experience of growing older and finding comfort – and surprises – in family. This book is a moving collection of never-before-published essays, in which she ponders getting older and reflects on her famous parents and her immediate family.

Women interested in reading about other women who are facing the transition out of middle age will relate to Reeve's experiences as a sixty-year-old wife and mother who is making that change. As she quotes her own mother, "sixty is the youth of old age."

Autographed copies of this book are available for contributions of \$250.



## Lindbergh Foundation Hangar Party

Join John and Martha King and other aviation notables for a great evening of aviation stories and the stunning collection of vintage aircraft at Golden Wings Museum.

**Date:** Saturday, September 27

**Time:** 6:30 p.m.

**Place:** Golden Wings Museum

Anoka County Airport, Blaine, MN

Register on-line at [www.lindberghfoundation.org](http://www.lindberghfoundation.org), or call 763-576-1596. Proceeds benefit the Foundation.

## San Diego Air & Space Museum International Aerospace Hall of Fame

On October 25, the San Diego Air & Space Museum is honoring national and international air and space legends at its 45<sup>th</sup> Hall of Fame Induction and Gala in the Museum's Pavilion of Flight.

The distinguished Class of 2008 honorees are: **Scott Carpenter**, one of the Original Mercury Seven "Right Stuff" Astronauts; **The Tuskegee Airmen** represented by **Roscoe Brown and Lee Archer**; **John and Martha King**, King Schools; **Dr. J. Robert Beyster**, founder of Science Applications International Corporation (SAIC); **Steve Pisanos**, of the original Eagle Squadrons; and **General Bob Cardenas**, USAF Flying Wing Test Pilot.

For ticket and reservation information, call (619) 234-8291 or visit [www.sandiegoairandspace.org](http://www.sandiegoairandspace.org).

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