The Cornell Lab Of Ornithology

Annual Report to Members | 2011







A Message from

John Fitzpatrick

The cover of this report captures a rare moment with a Spoon-billed Sandpiper and his chick on the arctic tundra. Spoon-billed Sandpipers are one of the most distinctive shorebirds on the planet—yet most people have never seen or heard of them. Fewer than 200 remain in the world. Their survival depends on conditions on their nesting grounds in Russia, migratory stopover routes in Kamchatka, China, and Korea, and wintering areas in Vietnam, Thailand, Myanmar, and Bangladesh.

Like Spoon-billed Sandpipers, tens of thousands of birds

Like Spoon-billed Sandpipers, tens of thousands of birds across the world are ambassadors for global conservation. It takes the will of nations to save them. Yet all too often, so little is known about them—and so little conveyed to

the public and policy makers—that the potential for conservation goes unrealized.

Recognizing the need for a sea change, the Cornell Lab of Ornithology works at all levels to increase the understanding

and protection of birds and other wildlife. We advance scientific knowledge, work with partners to identify the most important steps needed to safeguard ecosystems, and empower people of all ages to learn and conserve.

Scientists, educators, and students throughout the Cornell Lab of Ornithology are doing this by reaching across the globe. This year, birders around the world entered data into eBird, lighting up the global map with new sightings every passing hour. Our autonomous recording units returned acoustic data from locations as far-flung as Gabon, Ireland, Alaska, and the Gulf of Mexico—helping us keep the pulse of endangered forest elephants, whales, and birds by monitoring their sounds. From Australia, the Arctic, and Argentina to New Guinea and Siberia, our researchers used the latest technologies, including remote video cams, DNA analyses, migration tracking devices, and supercomputing techniques to understand nature's complexity and reveal new clues about how to sustain the diversity of life.

We're collaborating with teachers, scientists, and students internationally as well—through K–12 curricula, undergraduate and graduate research projects around the world, and workshops to build conservation capacity in Latin American countries. Our websites reach more than 6 million people in 187 countries, providing bird information, sounds, and videos from our Macaulay Library, and powerful multimedia productions that shed light on pressing wildlife conservation issues.

How does this all add up? Please browse the pages of this report to find out how we work with partners to help threatened species such as Golden-winged Warblers; aid public agencies in prioritizing conservation across habitats through the State of the Birds report; advise the energy industry about how to minimize harm to wildlife; and galvanize international conservation efforts by bringing attention to the needs of Spoon-billed Sandpipers and other birds. Take a behind-the-scenes peek at a soon-to-be launched citizen-science project called YardMap, and find out how we're developing sophisticated techniques combining sound, radar, and observational data to forecast the migrations of birds.

As I look to the exciting work ahead, I am reminded that we couldn't do any of this without you and our many partners, collaborators, and supporters. Thank you for enabling us to continue building the most powerful tools for science and conservation, advancing knowledge, and amplifying conservation across the world.

Sincerely

JOHN W. FITZPATRICK, LOUIS AGASSIZ FUERTES DIRECTOR

with his chick, photographed in July 2011 on the coastal tundra of the Russian Far East. Inside cover: A male Spoon-billed Sandpiper just after arriving on the breeding grounds. Above: A Spoon-billed Sandpiper nest with eggs. As part of an international expedition to conserve this critically endangered species, the Cornell Lab of Ornithology's multimedia producer, Gerrit Vyn, captured these photos and the first high-definition footage of Spoon-billed Sandpipers on their breeding grounds. The Cornell Lab is using scientific expertise combined with powerful multimedia, to galvanize international conservation efforts.

Cover: One of the world's last remaining Spoon-billed Sandpipers



Citizen Science ACROSS THE WORLD

This year, citizen-science participants sent us their bird observations from 170 countries.

This year, we celebrate 25 years of Project FeederWatch and the transformative power of citizen science. Participants now contribute citizen-science data to the Cornell Lab from nearly every country, tracking the pulse of nature through the movements and abundance of birds.

With leading-edge tools to display data in real time, we engage hundreds of thousands of people in the process of science and use advanced computing to investigate the most challenging environmental questions.

One Planet, 10,000 Bird Species

In a landmark year for eBird, participants logged more than 1.3 million observation hours in the field. bringing the worldwide total to 9,256 bird species reported. Data from 107,000 locations in the United

States were the basis for the 2011 State highlighting the of public lands.



the first year of global data entry, eBirders are lighting up maps of bird species distributions across hemispheres through time.

"It's amazing to witness how eBirders are transforming

what it means to go birding," said project co-leader Chris Wood. "Even more amazing is how the collective efforts of thousands of birders are transforming science and conservation."

With worldwide reports, eBird maps now show the seasonal movements of birds across their ranges. Above, reports of Baltimore Orioles (purple dots) during the breeding season in the United States and Canada (top). and during winter in Costa Rica (bottom).

Vinter Distribution in Costa Rica

Baltimore Oriole summer distribution



a new online citizenscience project funded by the National Science Foundation (NSF) to help people see the impact of their actions on habitat for birds. Participants zoom in on satellite images to construct maps of their

such as lawns, native plants, or feeders. Scientists and participants alike can see how yards connect with one another into larger landscapes supporting birds and other wildlife. "YardMap is a collaborative project that

own yard, including features

combines the power of social networks with citizen science," said Janis Dickinson, the Lab's director

of Citizen Science. "It will help us understand how best to use these tools to aid people in enhancing conservation practices and outcomes—at home and across the continent."



Students in Puerto Rico participate in Celebrate Urban Birds, combining bird watching, science, and the arts.

Citizen Science, Transcendent

Stars, butterflies, frogs, and fossils...citizenscience projects have proliferated into hundreds of opportunities around the world for people to connect with nature and contribute to science. The Cornell Lab's Rick Bonney is a founding father of citizen science as it's practiced today—fostering educational outcomes for the participants who gather the data and research results for the scientists who analyze it.

With NSF funding, Bonney's team is helping to advance the emerging field of citizen science by establishing best practices, tools, and networks for professionals to use and build upon. Now in the works: a newly improved Citizen Science Central website for practitioners—and tools to measure the impact of public participation in science.



Project FeederWatch data show that cold temperatures in the Northeast have a greater effect on limiting the distributions of birds than lack of food Analyses also suggest that distributions are affected by how well a species adapts to urbanization, a factor to be considered in studies of climate change.

Ambassadors FOR THE BIRDS

After eBird went global last year, we were astonished by the network of volunteers that quickly formed to get eBird off the ground in their own countries.

Tommy Pedersen from the United Arab Emirates submitted 22,516 checklists from personal and historical records. He also reviews incoming data.

The United Arab Emirates now has one of the most impressive data sets of any country, with complete charts and maps for more than 530 species.



"I am especially impressed with the ease of use and presentation of data in eBird. This is truly a new era for all birders,

as well as an amazing database for scientists and amateurs alike."

> Tommy Pedersen, Dubai, United Arab Emirates



Science is at the heart of the What's behind the intriguing **Cornell Lab of Ornithology.** From curiosity to discovery to insight, scientific study deepens our appreciation of nature and reveals the actions needed

A new book by

the Cornell Lab's

André Dhondt

examines how

influences the

competition

traits of bird

species and

cological

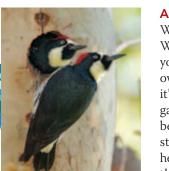
ommunities.

to protect our planet and the

diversity of life.



Scientists at the Cornell Lab use DNA analyses, video techniques, tracking devices, and ingenuity to reveal more than the eye can see.



ALL IN THE FAMILY

Why do Acorn Woodpeckers help raise young that aren't their own? A new study found it's not because they gain parenting skills or benefits from an extended stay with family. By helping to raise relatives, they perpetuate the family genes.



Scientists at the Cornell Lab have generated the first complete evolutionary tree for the wood-warblers. The results have spurred extensive changes to the classification and provided new insights on questions

such as why there are so many warbler species, and how some species became migratory.

SWALLOWS OF THE AMERICAS

Scientists across the hemisphere collaborate on studies of nine species of swallows in Golondrinas de las Americas, a project funded by NSF.

How do human activities affect birds and other wildlife?

Researchers at the Cornell Lab study how environmental stressors such as pollution, energy development, and other activities affect wildlife and ecosystem health.



ALTERED SONG

PCBs are chemicals known to cause neurological damage and mimic hormones. Graduate student Sara DeLeon has found preliminary results suggesting

that PCBs have affected birds' ability to sing along a contaminated area of New York's Hudson River.

A TOUGH NUT TO CRACK

Graduate student Taza Schaming uses radio tracking to follow Clark's Nutcrackers in the Greater Yellowstone Ecosystem. She is documenting how nutcrackers are affected by declines in whitebark pines. Her goal: to





Spectrograms of nocturnal flight calls for five warbler species.

How can we reveal a new understanding of birds across landscapes?

Ornithologists are combining forces with statisticians and computer scientists, using high-performance computing techniques to understand large-scale patterns in nature. The results can help show how bird populations respond to land use, climate, and other environmental changes.

MAPS IN MOTION

With support from the National Science Foundation, Leon Levy Foundation, and Wolf Creek Foundation, new analyses of eBird data are generating unprecedented, animated maps showing the distributions of birds throughout the year. At right, a map based on eBird data showing the distribution of Wood Thrushes in summer.

THE "WEATHER CHANNEL" FOR BIRDS

On a given night, can we predict what birds will migrate, and when and where they'll go? The Cornell Lab and Oregon State University have received a \$2.2 million NSF grant to develop a system that will forecast bird migration in the United States. It will use weather data, radar, observations from eBird, and the nocturnal flight calls of birds to generate realtime estimates of migration.

Around the world, autonomous recording units from the Cornell Lab are listening for wildlife. With hundreds of thousands of hours of recordings, a major challenge is processing the data to quickly find and quantify the sounds of each species.

Now a two-year, \$1.25 million gift from the Kenneth L. Harder Trust will kick-start development of a new system that "trains" computers to look for the "voiceprints" of particular species, such as nocturnally migrating Wood Thrushes and Veeries.

This generous gift was made possible by the Harder family: Scott Harder (trustee), Karen (Tillman) Harder ('81), Liv ('11), and Donald. Kenneth Harder, Scott's uncle, was a lifelong

"This acoustic monitoring project is essential to document human impacts on migratory bird and other animal populations," says Scott Harder.

"It's one of the most significant and exciting research gifts in the Lab's history," says Sean Scanlon, the Lab's senior director of Development and Philanthropy. "It's enabling the Lab to do what we do best: listen to the world and use what we learn to advance conservation."





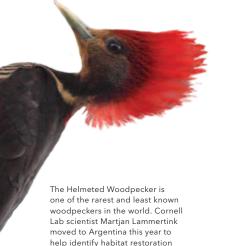




Conservation ACROSS THE WORLD

We conduct conservation research and monitoring in 19 countries around the world.

The Cornell Lab provides the best available scientific data to help government agencies, industries, and conservation organizations make decisions for wildlife protection.



measures in logged forests.

Understand

A RARE FIND

The Black-capped Petrel is a critically endangered species. Fewer than 2,000 remain. With support from the U.S. Fish and Wildlife Service and the John D. and Catherine T. MacArthur Foundation, graduate student Iim Goetz and collaborators are gathering crucial conservation data on Hispaniola. This summer, for the first time, they observed and monitored the growth of a chick at the nest.

SOUND CONSERVATION

As demand rises for oil, gas, and wind energy, the Cornell Lab helps government agencies and industries identify where wildlife is at risk from

noise pollution, habitat alteration, and direct mortality. The Lab's Bioacoustics Research Program develops acoustic technologies to monitor and protect whales around the world.

A TALE OF TWO SPECIES

DNA analysis by undergraduate Nicholas Slv and collaborators confirmed that the Grav-crowned Palm-Tanager (top image at right) is Haiti's only endemic bird species, distinct from the more widespread Black-crowned Palm-Tanager (lower image at right). The finding underscores the need to protect reserves in a country where less than 2% of native forest remains.

ON THE BRINK

Graduate student Yula Kapetanakos searches for Slenderbilled and White-rumped vultures in Cambodia. Once numbering in the millions, these species declined to near extinction after the drug diclofenac was used for livestock. poisoning vultures feeding on carrion. Yula is using DNA analyses to estimate population sizes for conservation efforts.



A FUTURE FOR GOLDEN-WINGS

Cornell Lab scientists and partners will soon release the first rangewide conservation plan for rapidly declining Golden-winged

Warblers. The plan was made possible with help from citizenscience participants and support from the National Fish & Wildlife Foundation and U.S. Fish & Wildlife Service.

THIS LAND IS OUR LAND

The 2011 State of the Birds report revealed distributions of hundreds of bird species on public lands, illuminating ways that agencies can manage habitats for birds on 650 million acres of land. The analyses by Cornell Lab researchers were made possible in part by NSF, the Leon Levy Foundation, and the Wolf Creek Foundation.

BEYOND OUR BORDERS

We increase international conservation capacity by sharing tools and expertise in other countries. With support from the John D. and Catherine T. MacArthur Foundation and other supporters, the Cornell Lab conducts workshops in Argentina, Cuba, Dominican Republic, Haiti, Guatemala, and Mexico to advance the study and protection of birds



The Lab's Macaulay Library provides unparalleled sound and video recordings from around the world, used in conservation research, monitoring, and education. More than 175,000 audio and 50,000 video recordings are accessible for free online.

"Bob's passion for birds is unfailing," said Scott Sutcliffe, the Lab's stewardship director. "This new faculty position follows Bob's many years of support for the Lab's conservation initiatives and expresses his love for birds and trust

in the Lab's staff and faculty."

Conservation

LEADERSHIP

Thanks to a generous gift from Robert

Schumann, the Cornell Lab has opened

a long-desired position for a faculty-

level director of Conservation Science.

This generous gift, matched by Cornell

University, is a transformative step in

expanding the Lab's leadership and

conservation impact.

A search for the Robert F. Schumann Faculty Fellow is now underway.



The Elephant Listening Project collects and analyzes acoustic data on endangered forest elephants in Africa, Above, our collaborators in Gabon prepare equipment to monitor elephants threatened by illegal hunting.



At the Cornell Lab, the world

educational programs reach

professionals, and people

make the best resources.

technology, and training

available to all. Our

goal: to increase

by magnitudes

the world's joy,

understanding,

of nature.

and conservation

is a classroom where everyone

can be a student of nature. Our

people in 70 countries-children,

teenagers, university students,

who simply love birds. It's our

commitment and our passion to

Education ACROSS THE WORLD



Our educational programs reach people in 70 countries.

For Lifelong Learners

Since 1972, bird enthusiasts from

around the world have taken the

Home Study Course in Bird

Biology and our recent online

course, Courtship and Rivalry

Home Study Course scholarships

from Lab donors have been

awarded to 32 students in 15

countries from Bangladesh to

for bird study that might not

otherwise be possible. Many go

on to share what they learn in

their home countries.

creating a

powerful

ripple effect

of expanding

knowledge and

conservation.

Honduras, opening opportunities

in Birds.



The Athena Fund: **PURSUING ANSWERS TO** NATURE'S MYSTERIES

Established by an anonymous donor in 2010, the Athena Fund helps graduate students investigate nature's mysteries around the world. Thanks to the Athena Fund, seven students pursued research in five countries last year, and additional students will be supported this year.

In the tropical mountains of Papua New Guinea, Ben Freeman is investigating why bird species tend to occupy narrow zones-sometimes limited to a 2,000-foot elevational range. This year, Ben joined a team surveying a mountain range on the Huon Peninsula and found six bird species previously unknown there.



"The Athena Fund has helped me conduct field work with promising early results, and helped me learn a new language, Tok Pisin," Ben said. "It's

allowed me to spread the idea of a conservation ethic to people with limited contact with the outside world, and to explore one of the earth's most biologically interesting yet largely unknown regions."

For K-12 Students

Funded in part by the National Science Foundation, the Cornell Lab's educational programs help kids transform curiosity into science and discovery.

Students explore birds and science with the BirdSleuth curriculum Customized versions of BirdSleuth are migrating to Mexico, Guatemala, Costa Rica, and the Caribbean, thanks to federal grants and gifts from Lab donors.

Delving into the Cornell Lab's new Sea of Sound curriculum, middleand high-school students hear an underwater world alive with the sounds of blue whales, snapping shrimp, and drum

fish. Using sound and video from around the world they investigate how animals produce sound and debate the effects of noise pollution. The bilingual Celebrate Urban Birds program connects people of all ages with birds and conservation through citizen science, the arts, and habitat improvement. Recently, partners have launched similar programs in Cuba,

Guatemala, Colombia,

Chile, and Uruguay.

Boundaries curriculum. middle- and high-school students use GPS, GIS, and Google Earth to site a new biodiveristy preserve in the Brazilian Amazon, investigate wildlife and cattle management in Kenya, and compare bird populations between the United States and Mexico. Crossing Boundaries is a joint project of the Cornell Lab and Hobart and William Smith Colleges.

With the **Crossing**



At the Johnson Center for Birds and Biodiversity, students are in every part of the building—learning from scientists, extracting DNA, measuring specimens, analyzing sounds, sharing the latest data they've brought back from oceans, fields, and forests. Each year, new students arrive with fresh questions and ideas, and new graduates move on to discover, to teach, and to inspire others.

Cornell Lab scientists mentor more than 100 undergraduate and graduate students each

> year. Beyond Cornell, the Lab's Online Research in Biology project offers lesson plans to help faculty engage students in research using citizen-science databases.





We put the latest tools and techniques into the hands of educators, researchers, and conservationists through workshops for professionals. Scientists from around the world learn sophisticated soundrecording and analysis techniques to aid their studies and conservation efforts. Educators attend free BirdSleuth workshops about connecting kids through migratory birds.



A Community for Birds

All About Birds

"Thank you for making this superb collection of bird research so readily available to bird lovers everywhere. My appreciation and sense of wonder have been heightened, and All About Birds is sure to become a major distraction—albeit a delightful one for me in days to come!"



"eBird

totally, totally rocks, and I'm doing citizen science, yay me! I mean, yay you guys."

-Luisa Serrano.

www.ebird.org



BARTELS Science Illustration Program





52,191 **Facebook Fans**

"I always enjoyed birding but now I love it. I have learned so much. I look forward to the posts every day."

—HEIDI EBEL, FACEBOOK FAN

www.facebook.com/cornellbirds



Neotropical Birds

www.Neotropical.birds.cornell.ed

Thanks to Our 325 Contributors **Ted Parker's** 10,762 historic recordings now online.

www.MacaulayLibrary.org

"Wow!

I just finished my 23rd FeederWatch season! I still enjoy participating as much as I did when I first started. Thanks for continuing to provide this wonderful excuse to spend a lot of

in my yard. And all in

the name of science!"

www.feederwatch.org

-Victoria Runnoe. **FeederWatcher**

time watching the birds

how even in the same garden some plants attracted a lot of birds and some didn't. The installation of the bird garden was a lot of hard work but it was cool how we were planting

www.CelebrateUrbanBirds.org

NestWatch



Participants monitored 84 species this year. The count? 21,000 eggs & 14,000 fledglings

www.NestWatch.org

"I feel very lucky that I have reached a place in my life where I am able to follow my passion, where I can make important contributions to conservation and ecology, and can learn so much every day, while having the opportunity to teach others."

—Taza Schaming, Cornell graduate student



Great Backyard Bird Count

4 Days / 92,218 Checklists



www.BirdCount.org

Citizen Science

'The citizen-science activity was pretty cool because we saw stuff that would attract birds."

> —Owen Kay, age 15, Celebrate Urban Birds



An Estate Gift Can Provide for You, Your Family, and the Lab



Recently, I had the pleasure of spending a day at the Johnson Center here in Sapsucker Woods with a member who has been with the Cornell Lab of Ornithology for 50 years. This gentleman from Texas has loved birds all of his life and signed up for the very first issue of *The Living Bird* annual in 1962. We traded stories with Greg Budney in the Macaulay Library, Ken Rosenberg in Conservation Science, Tim Gallagher, editor-in-chief of Living *Bird*, and John Fitzpatrick, director of the Lab.

In that short afternoon, I learned an amazing amount about the Lab's history and meaning—and ended up thanking the visitor not only for his amazingly generous five decades of support but for sharing his knowledge and passion as well.

It was a powerful reminder of why and how the Cornell Lab works. Although we are a proud research unit of the College of Agriculture and Life Sciences at Cornell University, we are self-funded, driven by more than 40,000 wonderfully philanthropic donors from across the country who believe in our mission.

Whether you have been with the Lab for 50 years, weeks, or days, I would like you to take a moment to consider including the Cornell Lab in your estate plans. Fundamentally, this is an important statement of your values. Like everyone who works here, and the 40,000 other people who financially support the Lab, we hope you believe that science, conservation, and engagement of legions of students and citizen-science participants will provide hope for the future of birds and biodiversity.

Including the Lab in your will is very easy (see example on page 15). In addition, because we are part of Cornell University, we have some of the best planned giving and estate professionals on staff who would be happy to help advise about gifts of real estate, lead trusts, gift annuities that pay you, and many more options.

Most of all, thank you. As I was reminded by my visitor from Texas, the Lab was created by the passion, gifts, and commitment of hundreds of thousands of people who believe in the common mission we have to save birds and biodiversity on this planet. I hope you will consider making a statement about that commitment in your estate plans too.

Sincerely,

Sean Scanlon

Senior Director, Development and Philanthropy

handheld parabola. The Johnson Center for Birds and Biodiversity.

(607) 254-1105; sbs259@cornell.edu

Estate Planning: A Lasting Legacy

It's easy to include the Cornell Lab in your estate plans,

especially through a bequest or life income agreement. To make a bequest through your will, simply include the language: "I give and begueath the sum of \$______ (or_____% of my residuary estate) to Cornell University, an educational institution in Ithaca, NY, for the Lab of Ornithology to be used in support of its charitable purposes." Doing so can perpetuate your interest in birds and support of the Lab forever.

To learn more about estate planning opportunities that benefit you and the Lab, please call Scott Sutcliffe at (607) 254-2424 or Sean Scanlon at (607) 254-1105. The Lab is pleased to acknowledge such friends in perpetuity as members of the Sapsucker Woods Society.



A Gift that Lives On

Agenerous beguest from Linda Kramer, a longtime member and dear friend, who passed away recently, will enable the Cornell Lab of Ornithology to create five



fellowships. Linda made this bequest because of her abiding love for birds, her appreciation for the Cornell Lab, and her commitment

to nurturing the aspirations of ornithology students. Linda and her husband, Samuel, set the stage for this magnificent gift through their annual giving to the Lab, providing significant annual support for students. We are saddened by Linda's death, but her legacy will live on through The Samuel and Linda Kramer Graduate Student Fellowships. Worthy students now and into the future will benefit from Linda's love of birds and commitment to education.



Administrative Board, Program Directors, and **Cornell Faculty**

Administrative Board

Edward W. Rose (Chairman); President

and Owner, Cardinal Investment Company

Andrew H. Bass*

Ph.D., (ex officio); Professor, Neurobiology and Behavior, Associate Vice Provost for Research Cornell University

Robert B. Berry Retired CEO, U.S. Liability

Insurance Companies James R. Carpente President and CEO,

Wild Birds Unlimited Scott V. Edwards

Ph.D., Professor, Organismic and Evolutionary Biology, Harvard University

Alexander "Hap" Ellis III General Partner.

Rockport Capital William T. Ellison

Ph.D., CEO and Chief Scientist, Marine Acoustics, Inc.

Russell B. Faucett

General Partner, Barrington Partners John H. Foote

Co-Founder, TransCore (Cornell '74)

Alan J. Friedman

Ph.D., Consultant in museum development and science communication

H. Laurance Fuller Retired Co-Chairman, BP Amoco, l.c. (Cornell '61)

Ronald R. Hoy* Ph.D., (ex officio); Professor, Neurobiology and Behavior, Cornell University

Imogene P. Johnson Civic Leader, Conservationist, S. C. Johnson Company

(Cornell '52)

Civic Leader Maria Schneider Jazz Composer

Company

Edwin H. Morgens

Morgens, Waterfall,

Vintiadis, & Co. Inc.

H. Charles Price

Chairman, H.C. Price

Elizabeth T. Rawlings

Writer and Translator,

Julia M. Schnuck

Conservationist, Civio

Leader (Cornell '70)

(Cornell '63)

Founder and Chairman

Eric J. Jolly Ph.D., President, Science Museum of Minnesota

Austin H. Kiplinger Chairman, Kiplinger

Co-Head, U.S. Corporate

Banking, Scotia Capital

(Cornell '77)

David S. Litman

(The Bank of Nova Scotia)

CEO, Consumer Club, Inc.

Cornell Lab of Ornithology

(Cornell BA '79, JD '82)

Linda R. Macaulay

Research Associate,

Birdsong Recordist

Hernández

New Mexico

Claudia Madrazo de

Founder and Director,

La Vaca Independiente

William K. Michener

Ph.D., Professor and

Director of e-Science

Initiatives, University of

Robert F. Schumann Washington Editors Trustee and Chairman, (Cornell '39) Schumann Center for Kathryn M. Kiplinger Media and Democracy

Jennifer P. Speers Conservationist, Philanthropist

David W. Winkler* Ph.D., (ex officio), Professor, Ecology and Evolutionary Biology, Cornell University

* Cornell University Faculty

Biology

Ph.D., Arthur A. Allen Director of Citizen Science and Associate Professor, **Natural Resources**

Program Directors and Faculty

John Fitzpatrick*

Ph.D., Louis Agassiz Fuertes Director and Professor of **Ecology and Evolutionary** Biology

Rick Bonney

Director, Program Development and Evaluation

John Bowman

Director, Multimedia Productions

Adriane Callinan Senior Director, Administration and Business

Operations Miyoko Chu

Ph.D., Senior Director, Communications

Christopher Clark* Ph.D., Imogene Powers Johnson Director,

Bioacoustics Research Program, and Senior Scientist, Neurobiology and Behavior

André Dhondt*

Ph.D., Director, Bird Population Studies, and Edwin H. Morgens Professor of Ornithology **Ecology and Evolutionary**

Janis Dickinson*

Mary Guthrie

Director, Marketing Steve Kelling Director, Information

Science

Walter Koenig*

Ph.D., Senior Scientist, Bird Population Studies and Neurobiology and Behavior

Irby Lovette*

Ph.D., Director, Fuller **Evolutionary Biology** Program and Associate Professor, Ecology and **Evolutionary Biology**

Ken Rosenbera

Ph.D., Director, Conservation Science

Sean Scanlon

Senior Director, Development and Philanthropy

Scott Sutcliffe

Director of Annual Fund and Stewardship

Nancy Trautmann Ph.D., Director, Education

Michael Webster*

Ph.D., Director, Macaulay Library and Robert G. Engel Professor of Ornithology, Neurobiology and Behavior

* Cornell University Faculty

\$100,000 and up

Mr. and Mrs. Robert B. Berry Scott and Karen Harder. Kenneth L. Harder Trust Mrs. Wendy Paulson H. Charles and Jessie Price Mr. and Mrs. Edward W. Rose III Ms. Pamela J. Story Wolf Creek Charitable Foundation

\$25,000 to \$99,999

Anonymous Mr. and Mrs. Philip H. Bartels Dr. Joan Brenchley-Jackson Cedar Elm Fund of Dallas Foundation Mr. and Mrs. Russell Faucett Mr. and Mrs. H. Laurance Fuller Dr. and Mrs. Thomas Richard Halberstadt Mrs. Imogene P. Johnson Leon Levy Foundation Claudia Madrazo de Hernández

Mr. John E. Alexander Ms. Margaret R. Barton Ms. Mary Ann Mahoney Beim Foundation Mrs. Julia M. Schnuck Mrs. Mary L. Carlsen Mr. and Mrs. Robert F. Schumann The Ivy Fellowship Mrs. Jennifer P. Speers Ms. Norma Edsall Mr. and Mrs. Edward Stuart Joseph and Felicia Weber

\$10,000 to \$24,999 Dr. Steve Adelson and

Mrs. Ellen G. Adelson Anonymous (2) Mr. Rex J. Bates C. H. Stuart Foundation Mr. Ronald L. Clendenen Elisabeth C. Dudley Mrs. Louisa Duemling Mr. and Mrs. Alexander Ellis III Mrs. Jane V. Engel James and Catherine Gero George and Deirdre Glober Mr. Christopher J. K. Goodwin Mr. John Foote and Ms. Kristen Ruper Ms. Mary P. Hines Ms. Tracy E. Holmes

Mr. Andrew Sabin Mrs. B. J. Shortridge Mrs. Carol U. Sisle Kathryn and Herman Kiplinger Mr. Bailey Smith Marybeth Sollins Mr. and Mrs. William Macaulay Edward and Virginia Taylor Mr. and Mrs. James C. Morgan Mr. and Mrs. Edwin H. Morgens Lewis and Margaret Topper Mrs. Mary Clare Ward Mr. and Mrs. Nelson Schaenen, J Ms. Shelby White

Mr. and Mrs. Joseph H. Williams David Adkison Ms. Jane Yolen

Mrs. Muriel K. Horacek

Mrs. Judith M. Joy

Ms. Ronni Lacroute

Ms. Bertha A. Lewis

Ms. Sandra J. Moss

Beth Ann and Saul Segal

Irwin and Melinda Simon

Wild Birds Unlimited, Inc.

Swarovski Optik North America

Mr. and Mrs. Davis U. Merwin

Mr. and Mrs. Thomas Nissley

Mrs. Elizabeth E. Rowley and

Mrs. Helen M. Posey

Gary and Ruthie Rollins

Mr. Jean Rowley

Mr. and Mrs. James H. Morgens

Mr. Leigh Perkins

Mr. Ferris Akel III \$5,000 to \$9,999 Ms. Paulette Allemand Mr. John Alexander and Mrs. Debra D. Anderson Mrs. Emily Fisher Anonymous (5) Ms. Susan Avery and Mr. Joseph Holmes Ms. Janet Baker Ms. Alice-Ann Bandoni Mr. and Mrs. Judson M. Dayton Mr. John M. Beard, Jr. Mr. and Mrs. V. Richard Eales Birds In The Hand, LLC Mrs. Esther S. Bondareff Mr. and Mrs. Walter Elcock Mr. Stanley Bowden Mr. Andrew Farnsworth and Mr. and Mrs. William B. Bovd Ms. Patricia Ryan Mr. Philip A. Bradley Mr. and Mrs. Clifton C. Garvin, J Ms. Cori A. Brown Ms. Adelaide P. Gomer Ms. Magalen O. Bryant Ms. Jean B. Harries Kenneth and Karen Buch Mr. and Mrs. Elliott D. Hillback Ms. Amanda Burden Mrs. Moira H. Hintsa Ms. Susan Burkhardt Mr. and Mrs. David Junkin Kaytee Products, Inc. Ms. Ellen P. Cabot Mrs. Jeanie Kilgour Dr. Tom Cade Mr. Austin H. Kiplinger **Dudley and Curtis Carlson** Samuel and Linda Kramer Ms. Carolyn Carney Dr. William T. Leeburg Dr. David Carpenter Mr. and Mrs. W. Wallace McDowel Mrs. Dorothy Carpenter

Dr. and Mrs. Kenneth T. Steadma Tompkins Charitable Gift Fund Wildlife Conservation Society Mr. L. Christopher Wright

\$1,000 to \$4,999

Mr. Henry T. Chandler

Mr. Andrew Chen and

Ms. J. Heidi Mass

Mr. Michael Dumont Ms. Nancy P. Durr Ann and Philip Aines Mrs. Elizabeth Edgell Major Theodore H. Eiben Dr. Bruce A. Eissner and Mrs. Judith P. Eissner El Deseo Foundation Dr. Donna Esposito and Dr. William Ross Professor and Mrs. Howard E. Evans John and Molly Fitzpatrick Gale and Stanley Flagg Mr. Samuel C. Fleming Fletcher Bay Foundation Ms. Natalia G. Garcia Ms. Barbara M. Garlinghouse Mr. Floyd H. Gilles Mr. Robert Glass and Ms. Bronwen Nishikawa Mr. and Mrs. Robert G. Goelet Ms. Annette L. Gosnell Mrs. Bernice Graham Mr. and Mrs. William D. Burrows Ms. Wendy Graham Mr. and Mrs. Bradley Grainger Mr. William F. Gratz '53 Ms. Joan M. Guerin Mr. and Mrs. James C. Hanchett Dr. J. Douglas Hanna Dr. and Mrs. Francis Harris Mr. James R. Carpenter Mrs. Margaretta S. Hausman Elliot and Karin Cattarulla Helmut and Candis Stern Animal Mr. Donald F. Chandler and Bird Welfare Fund

Dr. J. A. Clavman

Mr. Davy Colby

Terry and Zeo Coddington

Mr. and Mrs. Samuel Coleman

Conservation Trust of Puerto Rico

Alan and Elisabeth Cody

Robert and Vanne Cowie

Ms. Agnes D. Cralley

Mr. Severyn S. Dana

Mr. Vernon D. Dayhoff

Mrs. Wallace C. Dayton

Ms. Clover M. Drinkwate

Mr. Thomas A. Hendrickson

Dr. Susan Henry and

Mr. Peter Henry

Mrs. Lois N. Davie

Mr. Ron Demer

Lauren Dudley

Mrs. Sherley A. Higuera Ms. Kate S. Hollos Dr. and Mrs. Robert Horn, Jr. Thomas and Karen Horn Ms. Gale S. Hurd Inventory Solutions, Inc. Mrs. Pat Jacobs Ms. Kathryn Jacobus Jack and Phyllis Kalivoda Ms. Belinda A. Keever Mr. Ronald J. Kemperle Mr. Brendan C. Kinane Mr. and Mrs. Hugh E. Kingery Mr. Thomas S. Knight, Jr. Ms. Victoria F. Korth Dr. Donald E. Kroodsma Jeffrey and Elizabeth Kurtz Donald and Deborah Lauper Mr. and Mrs. Randolph S. Little Liz Claiborne and Art Ortenberg

Foundation Philip and Caroline Loughlin Dr. and Mrs. Herbert Louis Mr. C. James Luther Mr. and Mrs. David B. Magee Ms. Carolyn Mangeng and Mr. Walter Spall Mr. Evan Marks Dr. Richard Marshak and Dr. Andrea Landsberg

Mr. David E. Mattingley Mr. Michael Matuson Ms. Victoria May Dr. Leigh McBride and Dr. Richard McCormack Thomas and Linda McCarthy Ms. Mary Ellen McCrossen Ms. Winifred P. McDowell Ms. Marjorie McGranahan Mr. and Mrs. Peter C. Meinig Ms. Madeline Miles Stephen and Evalyn Milman Mr. John V. Moore William and Mary Sue Morrill Mrs. Marcia S. Morton Ms. Susan L. Mowry

Dr. Robert L. Murry, D.V.M

Ellen and Rachel Naegeli

Dr. Diana Nevins

Owls Roost Fund

Mrs. Ellen S. Parkes Ms. Susan M. Patton David and Cary Paynter Mr. James Pea Pine Tree Farms, Inc. Dr. Stefania Pittaluga and Mr. James Branegan Poplar Cruises Erika and Michael Pratt Mr. Robert T. Priddy Mrs. Sally Quinn Dr. and Mrs. Hunter Rawlings Mr. Steven A. Reisinge Ms. Judith S. Renshaw Ms. Frances M. Rew Ms. Deborah A. Revnolds Dr. and Mrs. Frank H. T. Rhodes Judy and Stuart Richardson Mrs. Dorothy W. Rinaldo Dr. Dean R. Rising Robert J. Laskowski Foundation Ms. Rhonda Rochambeau Rocky River Capital Partners Mr. Larry Roel Dr. William L. Rutherford Mr. Gary Rydstrom Sage Geodetic, LLC Mrs. Carolyn W. Sampson Ms. Sara Saplin Ms. Maria Leonor Sardinha Mr. Herman R. Schenkel, J Peter and Christine Schluter Patricia and Richard Schramm

Ms. Paula M. Schutte

Mr. Barry K. Schwartz

Mrs. Margaret F. Scott

Mr. Leroy W. Sinclair

Ms. Mary Ann Siri

Mrs. Susan L. Sloan

Ms. Susan Sollins

Mrs. Nancy B. States

Dr. William R. Stott, Jr

John and Bonnie Strand

Ms. Dorothy J. Stumpf

Ms. Catherine Symchych

Mrs. Anne Symchych

Ms. Candis Stern

Miss Pamela M. Smith

Mr. and Mrs. Robert G. Spahn

Ms. Juliet P. Tammenoms Bakker Mr. and Mrs. Allan R. Tessler The Inge Foundation The White Pine Fund Dr. Allen J. Togut Mr. Bill Tollefson Mrs. Sally S. Tongren Mr. William G. Trankle Ms. Marianne Turek Tornatore Ms. Andrea Turkalo Dr. Patricia Ann Turner Mr. Lewis Ulrey Mr. Joe Verreault Mr. Andrew L. Wagner Ms. Peggy Walbridge Dr. Charles Walcott Mr. John S. Warriner Mr. Jude A. Weis Mrs. Stefani Weiss Ms. Georgia E. Welles Dr. Brian White Williams Family Foundation Mr. Michael Williams and Ms. Sally Russ Mr. John Williamson Ms. Jeannie B. Wright David and Cherie Zelinger

\$500 to \$999

Ms. Margaret A. Abdou Mr. Joseph Acosta Mrs. Felicia Adams Ms. Diane Adkin Mr. and Mrs. Franklin E. Agnew Ms. Oona Aldrich Camille and Eleanor Allen and Family Russell and Barbara Allison Douglas and Arlie Anderson Ms. Gayle A. Anderson James and Darla Anderson Ms. Linda M. Anderson Dr. Mary Alice Anderson Mrs. Ruth L. Anderson Mr. J. Richard Andrews Anonymous (2) Dr. Ajit I. Antony, M.D. Mrs. Jean R. Armour Ms. Lori Ashley

Bill and Katherine Atterbury Dr. Edward Bovno Mrs. Diana Atwood Johnson Brian and Kathryn Brackney Mr. James H. Averill, Jr. Mr. Jim Brady Ms. Susan P. Bachelder Dr. Nachman Brautbar Ms. Maria F. Bachich Sandra and Jeff Bricker Mr. Peter Backman and Mrs. Walter F. Brissenden Ms. Annie Christopher Ms. Marney B. Brooks Mr. and Mrs. Robert S. Baker Mr. Bart Brown Dr. Jeffrey Baldani Ms. Becky A. Brown Mr. and Mrs. Robert Bangert Ms. Deirdre M. Brown Claire Barabash Ms. Elaine M. Brown Mr. William L. Barclay Ms. Percy Browning Mr. Edward Barker Ms. Lauretta J. Bruno Mrs. Alice W. Barkhausen Buck Henri, LTD Mr. Donald Barnes Scott and Mavis Buginas Ms. Valerie Barnes Mr. Theodore J. Bullard, Jr. Dr. A. Sidney Barritt III Mr. Rhett W. Burgess Ms. Catherine Barron Ms. Colette A. Burrus Mr. James Barry and Mrs. Elizabeth Britton-Barry Ms. Susan Barton Ms. Becky Bartovics Ms. Patricia G. Bates Mr. and Mrs. Stephen Baumgartner Mr. and Mrs. R.G. Beaton Mrs. Katherine L. Beattie Mrs. Juta Beauchamp Mr. Bruce Becker Susan and Frederick Beckhorn Ms. Jill Beckman Mr. and Mrs. James Bennett Mrs. Barbra Berry Ms. Anissa Berry-Frick Ms. Alison R. Biggs Reverend Tommy Bills Ms. Joan M. Birchenall Guthrie and Louise Birkhead Mrs. Constance Blau

Mr. Jefferey Bleam

Blue Cross Pet Hospital

Mr. Richard L. Booth, Jr.

Boveri Trackman Family

Foundation, Inc.

Mr. Robert R. Bowman

Ms. Jean C. Bottcher

Ms. Olivia Bouler

Mr. and Mrs. Bill Boardman

Mr. William Block

Mr. Alan Boss

Ms. Kathryn E. Cade Ms. Susan Whitney Callahan Ms. Nancy Camacho Ms. Shirley Cameron Mrs. Doris A. Campbell Ms. Emily B. Campbell Mrs. Catherine Caneau Ms. Diane Carlson Ms. Antonia Carmean Mr. Dennis Carroll Dr. Ogden B. Carter Ms. Marv E. Case Ford and Phyllis Cauffiel Dr. Eugene Ceglowski and Dr. Jean Ceglowski Ms. Vija Celmins George L. Chapman Mr. and Mrs. Walter B. Chaskel Clarice Mattson Environmental Foundation Jonathan and Priscilla Clark Patricia and Al Clark Ms. Kathi D. Clement Dr. Clare Close Mr. Addison Cole Mr. James R. Collins N. Karen and Gregory Collins Ms. Carolee Colter Mr. Richard Comstock Mr. John Conover and Ms. Janice Peterson

Ms. Alison Fox

Harold and Rhea Fox

Dr. Candace M. France

Dr. Geoffrey Conrad Mr. Jonathan Franzen Mrs. Elizabeth Coombe Ms. Nancy G. Frederick Mr. Michael P. Corcoran Ms. Jeanne P. Freeman Professor William Crawford and Ms. Robyn Freeman Professor Maria Crawford Sammy and Pam Freeman Dr. Modestino G. Criscitiello, M.D. Stephen and Barbara Friedman Mr. Craig Cummings Mr. Charles A. Fritz III Peter and Rhoda Curtiss Mrs. Roberta Gagliano Mrs. Joan S. Cushman Dr. and Mrs. Walter Gamble Ms. Laurie Dann Ms. Caroline R. Garbaty Mr. Henry M. Darley Mr. Clayton Gascoigne Carl and Penelope DauBach Ms. Valerie Gebert Janis and Ron Davies Ms. Sandy Gewinner Mr. David Davis and Ms. Nancy Gilbert Ms. Jo Ann Mills Dr. Frank Gilliland Mrs. Jackson Davis Mr. Michael A. Goldman Dr. Nancy J. Dawson Mr. Edward Gomez and Ms. Ann Dav Ms. Christina Van Fossan Mr. Edward N. Davton Frederick and Fair Gouldin Ms. Electra de Peyster Carl and Judith Graber Mrs. Lillian S. DeHart Mr. David Graham Dr. Thomas J. Delaney Ms. Jane Graves Robert and Linda DeLap Ms. Judith A. Grav Ms. M.M. Dieckmann Mr. Michael Gray and Ms. Rose Dill Ms. Cecilia Riley Mr. Paul Gray Mr. Todd Dixon Mr. and Mrs. Joseph K. Donohue Mr. and Mrs. J. B. Greenwood Mr. Gordon Douglas Mr. Ken Greenwood Ms. Dorothy J. Doyle Ms. Dorothy Gregory Droll Yankees, Inc. Ms. Julia A. Gregory David and Susan Drown Ms. Amy E. Grose Ms. Jennifer Dubois Ms. Marlene Grover Mr. Scott Gunnison Ms. Rebecca Dunaway Mr. Kevin Hable Weaver and Diana Dunnan Dr. William Hackos Mr. Steven Ealick and Judy Virgilio Dr. William T. Ellison Mr. Will Haffner Mrs. Alexandra L. Evans Chris and Helen Haller Mr. Jeff Evans Mr. and Mrs. Gerard Hamill Fermata, Inc. Mrs. Carol Hanawalt Dr. David Ferster and Mrs. Shirley A. Hance Dr. Indira Raman Dr. Nora E. Hanke Ms. Maxine M. Field Ms. Mary E. Hansen Mrs. Virginia C. Fisher Mr. Steven Harmer Peter and Genevieve Flickinger Mrs. Sheila R. Harper Brian and Judith Foley Mr. Thomas B. Harris Ms. Susan Ford-Hoffert

Mr. William C. Hartranft

Jane and Gerry Haviland

Mr. Mark P. Hassell

Mrs. Donna Hayes

Ms. Mona L. Havford Mr. and Mrs. Robert L. Kehr Ms. Bettie F. Kehrt Robert Heeren Ms. Janeth C. Hendershot Barbara J. Keinath Joe and Sue Henninger Mrs. Blanche Kelly Ms. Vicki R. Herrmann Ms. Mary D. Kelly Mr. Bill Hersey Dr. M. Keith Kennedy Ms. Lucinda Anne Hess Ms Patricia Kessler Ms. Nancy S. Heymann Mrs. Susan L. Keys and Family Mrs. Kate D. Hickey Dr. Lewis F. Kibler Ms. Hannah Hill Ms. Sarah J. Kilpatrick Mr. Robert A. Hill Ms. Pamela Kindler Mr. Daniel D. Hodges Kenneth and Elizabeth King Mr. and Mrs. Paul B. Hood Dr. Robert E. Kleiger Ms. Theodora W. Hooton Mr. Edward Klein and Ms. Linda Trapkin Mr. William R. Hopping Ms. Nancy Kling Ms. Jean A. Horton Mr. John Kopsky Henry and Sharon Hosley Ms. Catherine Kotowski Dr. George A. Housley, M.D. Kevin and Jenifer Kramer Mr. J. Russell Hoverman Dr. Stephen Kress Mrs. Jeanne Howard Rudolf and Dagmar Kroc Miss Jean A. Howell Ms. Jane Kruysman John and Elizabeth Howell Ms. Connie Kummer Dr. Ronald R. Hoy Ms. Barbara C. Kyse Ms. Bette Hoyt Mr. Andre G. LaClair Ms. Rebecca C. Huddle Mrs. Elise S. Lapham Ms. Judith Huf Ms. Heather D. Larson Mr. James D. Hunt Mr. Clavton Latimer Mr. William C. Hunter Mrs. Jeanne Leckert Mr. Robert Hurtubise Richard and Susan Lee Jack and Sally Iliff Ms. Roma E. Lenehan Paul and Amy Impelluso Ms. Martha V. Leonard T. E. and Patsy Inglet Mrs. Lynn Leopold Mr. James C. Inman, Jr. Lisa-Marie and Michael Lerner Mrs. Pamela A. Isdell Ms. Elizabeth A. Levin Dr. William Ishee, Jr. Nathaniel and Karen Levy Lee and Rebecca Jackrel Dr. James D. Lillard, Jr. Ms. Carolyn B. Jackson Mrs. Grace V. Lincoln Ms. Shari Jackson Ms. Deborah L. Linde Ms. Ellen G. Jacobs Mr. Rick Lipsey Kay and Peter Jamieson Dr. Hans-Christian Luedemann Mr. Andrew MacAoidh Jergens Dr. Elizabeth Lynch Mr. Peter M. Joftis Mr. and Mrs. Eric Macey Dr. Donald E. Johnson Dr. Charles D. MacInnes Ms. Heather Johnson Mr. Alan R. Johnston Ms. Ann Maine and Mr. Gordon Wood Mr. Anthony R. Jones Mr. Guy E. C. Maitland Mrs. Carol A. Jory Ms. Robin Mann Mr. Robert Kappmeyer

Mr. Charles R. Manning

Ms. Amy Marr Ms. Candace Marshall Ms. Michelle Maton Mrs. April L. Matthews Miss Helen A. Mattin Frederick and Linda Mau Ms. Mary Mauel Ms. Ann M. Maver Ms. Missy Mayfield Mr. Timothy McCaffrey Mr. Donald R. McClintock Marsha and James McCormick Ms. Edith McCurdy Ms. Holly McKenzie and Mr. Robert Martin Donald and Ione McKnight Mrs. Mary M. Mcllhany-Trout Mr. John F. McMullan Ms. Rhoda M. McNitt Mrs. Sally McVeigh David and Julianne Mehegan Mr. Myron Mehlman Ms. Mary Anne Mekosh Mr. John Mendyka, Jr. Dr. June Mercer Ms. Mollie L. Mever Mrs. Catherine Michaud Mr. Earl E. Miller Ms. M. Ellen Miller Mr. and Mrs. R. G. Mitchell Mr. Howard W. Mizell and Family Mr. Michael Moran Mr. Ernest D. Moritz Mr. Joe Moser Penny and Don Moser Ms. Phoebe K. Mossey Ms. Jerlline Muller Ms. Natalie H. Nakao Ms. Judith C. Nelsen Mr. and Mrs. Eugene W Nester Mrs. Beverly J. Neubauer New York Audubon Society Ms. Josephine Nixon Mrs. Barbara C. Noll Neil and Sally Norcross Ms. Pamela Norris Dr. C. J. Norton Mr. and Mrs. Donal C. O'Brien, Jr.

Mrs. Jean W. Ogle

Dr. Patricia O'Handley Ollie and Grace Oliver Ms. Karen W. O'Neil Mr. Henry H. Page, Jr. Mr. C. W. Eliot Paine Dr. Wendy R. Parish Mr. Angus Parker Dr. Frederick Parker Mr. and Mrs. Terry J. Parrinello Mr. Robert E. Parsons Ms. Marilyn Pasierb Ms. Anne L. Pattee Ms. Carol Patton Dr. Karen E. Perizzolo Ms. Susan Permut Robert and Veronica Petersen Glenn and Ellen Peterson Mr. Ralph Peterson Dr. Barbara Phelan and Dr. Carol Ms. Regina Phelps Mr. and Mrs. Fred E. Phillips Ms. Lauris J. Phillips Mr. William Phillips and Ms. Barbara Smith Ms. Antoinette M. Pilzner Mr. William W. Pinchbeck Prairie Oak Veterinary Center Marion Pratt Mrs. Joan Promin Mr. Albert E. Pyott Ms. Terry Rabinor Dr. and Mrs. Jan R. Radke Ms. Karen Redfern Ms. Susan Reed Dr. Mitchell C. Reese Mr. Paul Regan III Mr. and Mrs. Edward Reilly-Wolford Mrs. Glenna S. Rice Ms. Jane P. Rice Ms. Lily B. Rice Mr. Thomas F. Richardson Dr. Beverly S. Ridgely Mr. Bob Righter Ronald and Katharine Robey Ms. Tasneem Robin-Bhatti Mr. George Rock Mr. and Mrs. Steven C. Rockefeller Ms. Laura Roe

Dr. William Ross Ms. Mary L. Rowe Ms. Michelle Rozales Mr. David Ruppert Ms. Karen L. Ruppert Mr. William B. Russell Ms. Suzanne Ryerson Jeffrey and Susan Saffle Dr. Donald C. Samson Mr. Rick Sanders and Ms. Janice Hand Sean and Lisa Scanlon Ms. Lynn Scarlett Ms. Suzanne Schaefer and Mr. Paul Dennison Mr. George Scheets Phyllis and Gary Schiller Mr. Dick Schoenberger Ms. Thelma C. Schoonmaker Dr. and Mrs. Richard R. Schreiber Mr. Frederick Schroeder Terry Schroeder Mr. Thomas S. Schulenberg Mr. and Mrs. Robert W. Schulze Ms. Barbara Searles Mr. Christopher J. Selley Dr. Greg Seymour Ms. Kathleen S. Seymour Mrs. Alice L. Shaner-Simpson Ms. Janice Sharp and Mr. Brian Bowman Mr. John T. Shaw William and Jacquelyn Sheehan Ms. Cynthia Shereda Mrs. Joan Siedenburg Ms. Deborah A. Siegele Ms. Barbara J. Siepierski Donald and Linda Simmons Dr. and Mrs. Joseph Rogers Simpson Mr. and Mrs. John W. Sink Mrs. Marjorie Smart and Mr. Robert Camp Mr. and Mrs. Benjamin Smith Mrs. Catherine Smith Ms. Elizabeth A. Smith Mr. Scott Smith Mrs. Judie G. Smithers Ms. Nancy B. Soulette

Mr. and Mrs. James W. Spencer Richard and Margaret Sprott Vivek Sriram Mr. Bruce Stebbings Dr. Jeanne M. Stellman Ms. Jennifer Stephan Ms. Amy Stirrup Mr. Jim Strachan Mr. and Mrs Thomas Sutherland Dr. Michael G. Tannenbaum Ms. Donna E. Tatro Mrs. Barbara Taylor Mr. Jerome Taylor Ms. Marie Terlizzi and Mr. Robert Dobbs Manley and Doriseve Thaler Mr. and Mrs. Joe Thomas Mrs. Kathryne Thorpe Ms. Nancy Tibor Mr. Jim Tilling Mr. Bill Tollefson Dr. and Mrs. J. Charles Tracy Charles and Nancy Trautmann Mack and Carol Travis Ms. Rebecca Tulloch Ms. Alice H. Turk James and Mary Van Buren Mrs. Mary Van Vleck Mr. Wouter K. Vanderwa Ms. Anneke Vankirk Ms. Rhonda Vitanye Mrs. Emily V. Wade Dr. Marcia J. Wade Dr. Judith L. Wagner Ms. Laurel C. Walker Mrs. Dorris M. Wampler Mr. Fred F. Wampler Milo and Barbara Warner Dr. Nancy E. Warner, M.D. Mr. and Mrs. Stephen L. Weber Mrs. Robert Weinstock Mr. and Mrs. D.B. Wetherell, Jr. Mr. Thomas Wheadon Mr. David White Kenan and B. Briscoe White Dr. Stephen M. White Mr. Wavne Whitmore Wild Birds Unlimited, Buffalo, NY

Wild Birds Unlimited, Ithaca, NY

Wild Birds Unlimited,

Ms. Janet Dale

Dr. Hibbard E. Williams

Mr. Stefan T. Williams

Dr. Kay M. Williamson

Ms. Marina Wolkonsky

Wrenwood, Inc./Wild Birds

Mrs. Carolyn Will

Ms. Sally Williams

Ms. Linda Wittlin

Unlimited

Mr. Dan Young

Ms. Linda Young

Mr. Ken Zaremba

Ms. Rebecca Zatsman

Mr. Michael F. Zeloski

Mrs. Anne-Marie Ziegler

Mr. Richard Zimmerman

Matching Gifts

Air Products & Chemicals, Inc.

Akzo America Foundation

Abbott Laboratories

Adobe Systems

AllianceBernstein

AT&T Foundation

Avago Techologies

Bank One Foundation

Boeing Company

BP Foundation, Inc.

Caterpillar Foundation

Matching Gift

Bank of America Foundation

Bristol-Myers Squibb Company

Casey Matching Gifts Program

Argonaut Group, Inc.

Aetna, Inc.

Mr. Jerome M. Ziegler

Ms. Mary P. Wright

Mr. J. A. Wunderlich III

Ms. M. Catherine Yerzley

Owen and Linda Youngman

Saratoga Springs, NY

Mr. William Wilkinson and

ChevronTexaco Corporation Coca-Cola Foundation Con Edison Company ConocoPhillips Ms. Josaphine Wilkinson-Gould Cooper Industries, Inc. Corning Incorporated Deutsche Bank America, Fdn. Discover Financial Services Eaton Corporation Edison International Mr. and Mrs. William E. Willis Eisai, Inc. Matching Gift Co. Eli Lilly & Company Foundation Energizer Corp. Matching Gift Company ExxonMobil Foundation Freddie Mac Foundation Gap Foundation Genentech, Inc. General Electric Company General Mills Foundation GlaxoSmithKline Global Impact Goldman Sachs & Company Harris Foundation Corporation Heinz Company Foundation Hewlett Packard Company Home Depot Houghton Mifflin Harcourt IBM Corporation Illinois Tool Works Foundation

Ace Ina Foundation Intel Corporation John D. and Catherine T. MacArthur Foundation Aegon Transamerica Foundation

John Wiley & Sons, Inc. Johnson & Johnson JP Morgan Chase Foundation Keybank Foundation Kimberly-Clark Foundation American Transmission Company Kraft Foods North America, Inc. LabCorp Land O'Lakes, Inc. Law School Admission Council Lockheed Martin Marathon Oil Company McCormick Foundation Merck Company Foundation Metropolitan Life Foundation

Microsoft Corporation

Monsanto Company



Munich Reinsurance America, Inc. New York Community Trust Nintendo of America, Inc. Northern Trust Company Oracle Corporation Orvis-Perkins Foundation The PepsiCo Foundation, Inc. Pfizer, Inc. Pioneer Hi-Bred International Pitney Bowes PPG Industries Foundation Principal Financial Group Fdn. Procter & Gamble Company Prudential Insurance Foundation Regions Financial Corporation Ridgewood Savings Bank Rockwell Collins Rum Village Nature Ct. SC Johnson & Son, Inc. Security Mutual Life Insurance Shell Oil Company Foundation Texas Instruments Thrivent Financial Lutherans **UBS Matching Gift Program** Union Pacific Corporation United Technologies Corporation **UnumProvident Corporation** Vanguard Group, Inc. Verisk Analytics Verizon Foundation Vermont Community Foundation Walt Disney Company Foundation Wells Fargo Bank Wells Fargo Foundation Westly Foundation Williams Companies Wisconsin Energy Corporation Xerox Corporation XL America Matching Gift Sapsucker Woods

Society Recognizing all friends who have included the Lab in their estate plans, past and present

Mr. Sal Acosta and Ms. Suzanne Hutchinson Mr. Charles S. Adams Ms. Louise Addis

Ms. Diane Adkin Ann and Philip Aines Albrecht Estate Mr. John E. Alexander Russell and Barbara Allisor Mr. Elwin F. Anderson Ms. Bertha Andrew Mrs. Patricia L. Angotti Bill and Katherine Atterbury Terry Auld Ms. Katharine M. Avcrigo Ms. Madge Baker Mr. & Mrs. Konrad Bald Mrs. John F. Barry Mrs. John W. Behnker Mrs. Dorothy W. Bell Mr. Joseph Benner Mr. Mark J. Bilak & Family Mrs. Janet Blam Ms. Susan D. Boettger Mrs. James C. H. Bonbright Ms. Ann Bregman Dr. Joan Brenchley-Jackson Ms. Becky A. Brown Ms. Irene Brown Ms. Betty A. Bruhns Mr. Gregory Brumfield Ms. Gretchen L. Burmeister Ms. Frances Burnett Ms. Colette A. Burrus Dr. & Mrs. David L. Call Ms. Eleanor R. Campbel Mrs. S. James Campbell Dr. Alvin R. Carpenter Mr. Fred Carr Carol and Daniel Cash Ms. Kathaleen A. Cattieu Mr. Dwight R. Chamberlain Ms. Joyce W. Cima Clarann Estate Ms. Pat Collins Mrs. Marv E. Cost Mr. William Powell Cottrille Mrs. Virginia R. Crocker Ms. Ruth Cummings Peter and Rhoda Curtiss Randi and L. Van Dauler Ms. Martha E. Day

Mr. Vernon D. Davhoff

Ms. Nancy A. deGroff Mrs. Ruth D. Dillon Stephen and Betty Eaton Estate of Michael Barton Eddy Mr. Michael B. Eddy Estate Ms. Norma Edsall Dr. Leonard Eiserer Ms. Frances J. Ehlers Mrs. George B. Emeny Mr. and Mrs. Roger H. Farrel Ms. June M. Ficker Mr. Robert T. Foote '39 Dr. Kathy Freas Mr. William F. Fuerst, Jr. Mr. and Mrs. H. Laurance Fuller Mrs. Esther B. Garnsey Mr. Donald P. Garrett Ms. Paula Gills Vincent and Ann Marie Glaviano Mrs. Emily R. Glover Ms. Doris Goldstein Mr. Alfred H. Gray Mr. William Anson Grover, Sr. Ms. Joan M. Guerin Mrs. Suzanne O. Happeny Mrs. Karen E. Harris Duncan and Adrienne Hartley Jane and Gerry Haviland Sheila Harrah Hearne Estate Harry Heidt Estate Ms. Phyllis Henney Estate Dr. Linda J. Himot Mrs. Leona S. Hine Ms. Mary P. Hines Henry and Sharon Hosley Mr. John Huppler James and Roberta Hutchison Mr Bernard Iliff Mr. Isidor Jeklin Ms. Kristine Johnson Ms. Nora Jones Mrs. Judith M. Jov Mrs. Judith M. Kay Mrs. Blanche C. Kelly

Mr. David Keves

Mrs. T. Spencer Knight

Mr. Harold E. Kubly

Mr. & Mrs. Robert G. Knox

Samuel and Linda Kramer

Mr. Norman C. Lantz Mr. Robert J. Laskowski Howard and Sydney Leach Marian Legg Ms. Marjorie Lewin Mr. Richard Livesev III and Mrs. Mae Livesey Ms. Catherine Lomuscio Mrs. Madeline Lutz Mr. and Mrs. William Macaulay Mr. J. De Navarre Macomb, Jr. Ms. Marion Mascari Ms. Mary Mauel Mr. Richard G. McClung Ms. Betty L. McCurdy Mr. Everett G. McDonough, Jr. Ms. Margaret J. McDowell Ms. Winifred P. McDowell Dr. Ann J. McGarvey, D.D.S Mrs. Elizabeth A. McLaren Ms. Carol McQuade Mr. Earl O. Menefee Mr. Harry Merker Mr. John P. Merrill Ms. R. Rosalie Metzger Ms. Marinia Michalec Dr. Norman S. Moore Mr. John A-X Morris '74 Mr. John David Morris Ms. Rita J. Myrick Mrs. Ellen Dana Nagler Ms. Mildred E. Neff Gary Neuman and Julie West Dr. Polly G. Nicely Mr. Alphonse R. Normandia Mrs. Judith L. O'Neale Mr. Stephen B. Oresman Mr. Thomas R. Palmer Ms. Virginia Panarace Estate Mrs. Ellen S. Parkes Ms. Ellen I. Paul Ms. Esther A. Pearlman Dr. & Mrs. William D. Peterson Mr. George M. Pflaumer

Professor Elmer S. Phillips

Mr. William Phillips and

Ms. Barbara Smith

Ms. Lauren Pickard

Mr. Richard F. Pietsch

Mr. Zoltan Porga Ms. Ingrid Sunzenauer Mr. and Mrs. Ronald R. Porter Mr. Scott Sutcliffe Mr. Richard Pough Ms. Donna E. Tatro Albert and Diane Puff Mrs. Nancy Thomas Ms. Hazel E. Reed Mr. John H. Thomson Ms. April L. Reese Dr. and Mrs. Walter A. Thurber Mrs. Phyllis Tillinghast Dr. Laurie Renz Ms. Frances M. Rew Elizabeth Todd Ms. Kathleen Rhodes Mr. Charles E. Treman, Jr. Mrs. Susan Starr Richards Reverend Barbara B. Triggs Mrs. Eleanor Robbins Ms. Charlotte Vaughn Mr. William R. Robertson Mrs. Mary Clare Ward Mr. Stan Rodwin Mrs. E. R. Webster Mr. Thomas W. Rogers Estate Mrs. Madelon G. Wehner Mr. and Mrs. Edward W. Rose III Ms. Julie Westbrook Mrs. Jeanette G. Rosenberger Ms. Jeanne A. White Mrs. Elizabeth E. Rowley & Mrs. Jeanne D. Wigen-Ayers Mr. Jean Rowley Ms. Hazel L. Wilbur Ms. Gayle Russell Mr. Robert G. Williams Dr. William L. Rutherford Mrs. Louise W. Woodruff Mr. Richard Scales Mrs. Shirley S. Woods Ms. Lynne R. Scheer Mrs. Barbara Wright Dr. Francis G. Scheider, M.D. Ms. Jeannie B. Wright Mrs. Janey Schnoor Mr. L. Christopher Wright Ms. Ellen M. Schopp Mrs. Clara Taylor Yager Mr. and Mrs. Robert F. Schumann Dr. Paula Yellin Ms. Monica J. Schwalbach Mr. George W. Zepko Mr. and Mrs. Sheldon Severinghaus Ms. Dorothy N. Zirkle

Betty and Jim Shannon

Ms. Helen R. Shaskan

Mrs. Mary S. Shaub

Mrs. Alice M. Shaw

Mr. Richard S. Shirley

Mr. Richard J Siewers

Ms. Mindy Simon

Mrs. Carol U. Sisler

Ms. Victoria Slowik

Mrs. Emily C. Smith

Ms. Marybeth Sollins

Mr. William R. Stewart

Mr. Edward P. Street, Jr.

Ms. and Mrs. Miriam P. Stuart

Mrs. Lyman K. Stuart

Ms. Pamela J. Story

Dr. and Mrs. Kenneth T. Steadma

Barry and Sandy Stevenson

Bernie and Mary Slofer

Mrs. Mariorie Smart and

Mr. Robert Camp

Gifts in Memory of

Robert H. Anderson Dr. Donna Esposito and Dr. William Ross General Electric Company Frances Adele Tyler Andrew Ms. Carolyn van Leer

Ann Beale Ms. Sue Farmer

Ms. Barbara J. Beharriell Ms. Shirley K. Beharriell Mr. Fred Bennes Ms. Ann Hudson

Kenneth Buttler Ms. Sheila Stone

Mrs. Eleanor Carr Ms. Shelley Craine Ms. Carol L. Faye Blanding

Ms. Nancy Griffin Ms. Helen A. Hill International Brotherhood of Electrical Workers Ms. Deborah Knapp Mrs. Carol Merilahti Lury Wallenbeck **Maurice Edmond Antoine** Marie Joseph comte de Courten Ms. Charlotte Mukal Deborah Cook

> Ms. Alison Flalin Mr. James A. Dick Mr. Donald L. Dick

Ms. Catherine G. Elliott Ms. Valerie Smith

Mr. H. Burton Entrekin Mr. Douglas F. Beech Mrs. Claire R. Damaske Ms. Janice Mann-Beech Ms. Onalie A. Petit Ms. Helen Pettit

Mr. A. Joseph Fairbank Ms. Priscilla Fairbank

Nellie Filhour Ms. Pamela J. Wilson Mr. Harry Goldman

Ms. Connie Scofield

Claire Conway

Mr. Harvey Guthrie Ms. Abby Collier Dr. William Hetznecker

Defender Association of

Marc and Phyllis Forman

Michael and Brenda Goldblatt

Philadelphia

Ms. Doris Edwards

Mr. George Fleck

Ms. Lillian Giuliana

Ms. Julia Gould

Ms. Linda J. Hansell

Ms. Heather Hebert

Mrs. Adele Kaehler

Mrs. Susan Kolverid

William and Joan Kane

James and Nina Korsh

Dr. Diana Patch Marilyn Merdinger Mr. William Merdinger

> Ed Mixa Mrs. Ed Mixa Ms. Beth Baxter

Mr. George Pettit, Jr.

Ms. Sarah A. Porter and Family Ms. Elizabeth Cain Ms. Elisa Gillardon Regional Women's H. Group LLC Ms. Rose Miano New Bedford Environmental Department

Ms. Marv B. McCall Mr. Benjamin S. Ohrenstein Ms. Saundra P. Schier Dr. Steven Schlesinger, D.M.D. Ms. Elaine Selan Ms. Barbara G. Shafer Ms. Irene Shoffner Terranear PMC, LLC Ms. Jean Zelten

James A. Hontz Ms. Jean Buckhout Mr. Robert T. Horn

Mrs. Mary G. Lacey

Ms. Mary J. Anderson

Mrs. Barbara Coleman

Ms. Frances A. Mason

Phoenix Graphics, Inc.

Mr. Maurice Stoughton

Mr. John E. VanDemark

Dr. Peter Mayo

Ms. Catherine K. Paddock

Dr. and Mrs. Robert Horn, Jr. Thomas and Karen Horn Jeffrey and Elizabeth Kurtz

Mr. and Mrs. Johnson Mr. R. Tenney Johnson

Mr. Robert H. Johnson Ms. Suzanne C. Barunas Mrs. David Kemp

Ms. Lois Kroll Robert Koch Mrs. Jeanne Koch

Barry White

Anonymous (2) J. Duane and Mary Johnson Ms. Mary F. Lovelace Mrs. Catherine Slusarek Mrs. Ruth Spincic

Ms. Sally Zelasko

Ms. Sherrie Andree Mr. and Mrs. Bradley Grainger Patricia H. Kielv

Ms. Kim Conrad The Mauer Family

Ms. Kristen Rupert

The Midvale Foundation Frank H. T. Rhodes Exemplary

Mr. Martin Heckscher Mr. Ernest D. Moritz

David M. Riffle Clyde and Dolores Riffle

Colonel Wallace Redman

Ms. Priscilla G. Specht M. E. Richards

Ms. Jane M. Friedman

Ms. Patricia A. Gannon

Ms. Francine Lahev

Mr. Frank A. Miano

Robert J. Raynor

Mrs. Nicole Thompson

Mr. Michael Redman

David Stemple Ms. Jane Yolen Sally Sutcliffe

Scott Sutcliffe Mrs. Rose Tichy Mrs. Gladys M. Vejsicky

Clyde and Dolores Riffle Mrs. Tracey Wallace

Ms. Carol Ann Wadlev

Page C. Webb Ms. Cynthia M. Smithbower Mrs. Cvrille White

Raymond C. Wieboldt Mrs. Margaret S. Wieboldt

Mr. Paul Zuk

Gifts in Honor of

Mrs. Viola P. Monaghan

Mr. Bob Blakely Mr. Eliot Tucker

Ms. Maxine Dougan Candi and Judd Hubert Mr. John Foote and

Lisa and Lon Hoyt

Alumni Service Award

R. K. and Gaur Ms. Patricia Castelli

Dr. and Mrs. Robert S. O. Harding

Ms. Jane Pepper Mr. & Mrs. Paul B. Hood Henry and Eleanor Hood

Ms. Sara Kaiser Ms. Michelle Kaiser

> Mr. Mark Newstrom Ms. April Silber

Dr. Drew M. Noden Ms. Gail Noden

Mr. Fredrick C. Powell Mrs. Shirley Parish

Ms. Beverly Quinlan

Mary and Joseph Hughes Mr. Ari Rice

Miss Helen A. Mattin

Ms. Laurie Rubin Mr. and Mrs. Bradley Grainger Patricia H. Kielv Mrs. Viola P. Monaghan

Mr. Steve Ryan Mr. and Mrs. Bradley Grainger Patricia H. Kielv Mrs. Viola P. Monaghan

Mariel & Ava Silpe Ms. Jay Silpe Don Simonson

Mr. John Lipsky Mrs. Dorris M. Wampler Mr. Fred F. Wampler

Mr. Sefton Wiggs Dr. Marie Farr Mr. Kenneth Wilson and Ms. Christa Reiser

Endowments

General Support Adelson Family Fund for Citizen Science

of Ornithology Albert R. Brand Endowment Imogene Powers Johnson Arthur A. Allen Memorial Fund Senior Scientist Bayard W. Read Memorial Fund Louis Agassiz Fuertes Director

Carpenter Family Book and Periodical Endowment Charles E. Treman Jr. Fund

David W. Stemple Fund

Eleanor Rice Pettingill Fund

Lab of Ornithology Operations and

Lab of Ornithology Operations Fund

Leona S. Hine Library Endowment

Robert Wilson Trail Maintenance

Sapsucker Woods Sanctuary Fund

Stella Nemo Bird Feeding Program

Ted Parker Conservation Fund

William Fuerst Memorial Fund

Anna Maria Brown Fellowship

David and Sandra Junkin Graduate

H. Laurance and Nancy L. Fuller

Halberstadt Graduate Fellowship

Margaret H. and Charles E. Treman

Lab of Ornithology Graduate

Graduate Student Support

Charles Walcott Graduate

Fellowship for Bird Studies

Eleanore Stuart Graduate

Fellowship

Fellowship

Fellows Program

Student Fund

Graduate Fellowship

Ted Parker Memorial Fund

Thomas Tyson and

Elizabeth Roe Fund

Discretionary Fund

Lab of Ornithology Life

Maintenance Endowment

Membership Fund

Fellowship Robert G. Engel Professor of Ornithology Edwin H. Morgens Directors

and Professor

Teaching, Research, and **Undergraduate Support** Brenchley Family Fund

Professorial Support

Arthur A. Allen Director

Edwin H. Morgens Professor

Robert F. Schumann Faculty

of Citizen Science

Carol U. Sisler Charitable Remainder Unitrust Cornell Wild Bird Research Fund

Diane L. Adkin Endowment Fund Dr. David O. Carpenter Education Endowment

Duemling Endowment for Undergraduate Research

Eiserer American Robin Fund Gero Student Endowment

H. Laurance and Nancy L. Fuller **Evolutionary Biology Program** J. Charles Tracy Sr. Endowment

for Undergraduate Research Kristen Rupert and John Foote

Undergraduate Research Fund Louis Agassiz Fuertes Lectureship Louise Addis Charitable

Remainder Trust Nancy Horton Bartels '48 Scholars Robert L. and Margaret W. Craig

Education Fund Sally Merrill Sutcliffe Endowment for Cornell Students Vern Davhoff Graduate

Research Fund Walter E. Benning Fund \$20,000 and above

Kaytee Products, Inc. Swarovski Optik North America Wild Birds Unlimited, Inc.

Corporate Partners

\$5,000 to \$10,000 Droll Yankees, Inc.

\$1,000 to \$4,999

America's Pet Store Aspects

Birdola Products CHS, Inc. Lebanon Seaboard Corporation (Lyric Wild Bird Food)

Pine Tree Farms, Inc. The Humm

Stapleton

Natural Waterfalls with Robert

The Cornell Lab of Ornithology takes great pride in the stewardship of your gifts.

Revenues have grown steadily during the past five years, allowing us to build sustainable programs and broaden global impacts for birds and biodiversity. Together with a growing and generous donor base, the dedicated staff at the Lab continues to succeed in securing grants and contracts and generating healthy program revenues. At the same time, we have constrained expenditure growth with a particular focus on keeping administrative and fundraising expenses as low as possible and investing in the future.

Thank you for your trust and for your continued support in making our far-reaching work possible.

Financial Report (July 1, 2010 – June 30, 2011)

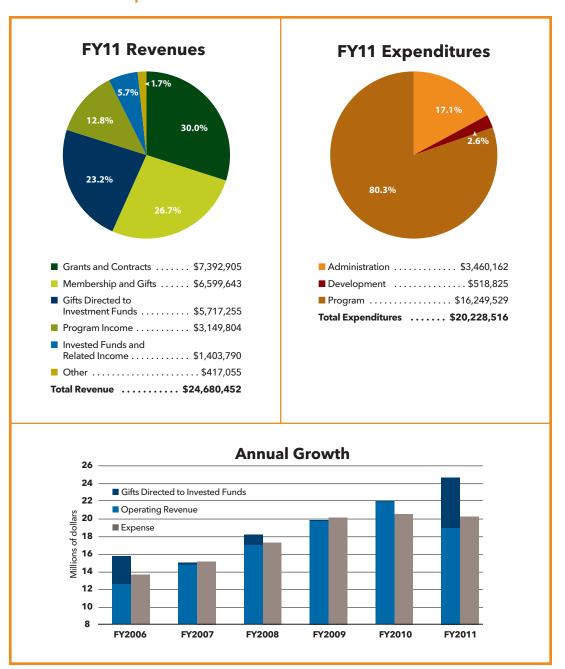




Photo Credits

Front cover: Spoon-billed Sandpiper and chick by Gerrit Vyn

Pages 2-3: Spoon-billed Sandpiper and nest with eggs by Gerrit Vyn.

Page 4: Baltimore Oriole by Gerrit Vyn. Page 5: Great Backyard Bird Count participant in Rhode Island by Sue Dunn. Students in Puerto Rico courtesy of Leaders of the World. White-breasted Nuthatch by Gary Tyson. Monarch butterfly by Diane L. Tessaglia-Hymes.

Page 6: Magnificent Riflebird in New Guinea by Tim Laman. Acorn Woodpeckers by Marie Read. Song Sparrow by Cameron Rognan.
Tree Swallow by Eduardo Iñigo-Elias. Taza Schaming by Jada Schaming. Clark's Nutcracker by Jacob S. Spendelow. Page 7: New Guinea expedition by Tim Laman. Black-throated Gray Warbler by Roy Brown; Blackburnian Warbler, American Redstart, and Prothonotary Warbler by Laura Erickson; Painted Redstart by Ed Schneider. Wood Thrush by Roger Eriksson.

Page 8: Nathan Senner and Andy Johnson with Hudsonian Godwit, Canada, by Eric Liner. Helmeted Woodpecker by Martjan Lammertink. Black-capped Petrel by Brian Sullivan. Black-crowned and Gray-crowned Palm-Tanagers by Eladio Fernandez. Yula Kapetanakos by Kathleen Griffen. White-rumped Vulture by Jyotendra Thakuri. Underwater humpback whales by David O. Brown. Page 9: Peru's Gran Pajonal region by Glenn Seeholzer and Ben Winger. Golden-winged Warbler by Gerrit Vyn. Karl Berg by Chris Pallis. Forest elephant by Andrea Turkalo. Colleagues in Gabon courtesy of Peter Wrege.

Page 10: Yellow-billed Magpie by Donald Metzner. Project PigeonWatch participants courtesy of Celebrate Urban Birds. Young Birders by Christopher L. Wood. Students in Costa Rica (2) courtesy of Lilly Briggs. Page 11: Students in Puerto Rico courtesy of Leaders of the World. Sapsucker Woods Migration Celebration by Alex Chang. Workshop in Colombia by Viviana Ruiz-Gutiérrez. Athena Fund owl by Ann-Kathrin Wirth. Ben Freeman by Alexandra Class.

Page 12: Northern Flickers by Keith Willis. Mallard by Rebecca Richardson. Keel-billed Toucan by Peter Watthy. Ann-Kathrin "Fritzi" Wirth by Diane L. Tessaglia-Hymes. Golden-winged Warbler illustration by Ann-Kathrin Wirth. Page 13: Taza Schaming by Pocholo Martinez. Clark's Nutcracker by Wolfgang Wander. Great Backyard Bird Count kids by Erin Peppel. White-breasted Nuthatch by FeederWatcher Jennifer Taggart. Students in garden by Meghan P. Cerveny.

Page 14: Yellow-bellied Sapsucker by Marie Read. Student in Morgens Observatory by Jason Koski. Greg Budney by Jon Crispin. Page 15: Photos of sound recording equipment ca. 1935 from Cornell Lab of Ornithology archives. Johnson Center for Birds and Biodiversity by Kevin Stearns. Tree Swallow by Wayne Bierbaum.

Back cover: A Spoon-billed Sandpiper chick by Gerrit Vyn.



On the back cover a Spoon-billed Sandpiper chick sits camouflaged among lichens on the Russian tundra.

Adult Spoon-billed Sandpipers maintain constant vigilance, watching for predators such as gulls, jaegers, and ravens. When they utter a warning call in response to aerial predators, the chicks become motionless, blending into the landscape to avoid detection. "It was difficult to watch the young depart

the nest for the last time," said photographer Gerrit Vyn. "Their tiny bodies look so vulnerable in the seemingly unforgiving landscape-it's a wonder that any of them survive."

The future of Spoon-billed Sandpipers is precarious, with fewer than 200 estimated to remain. The Cornell Lab of Ornithology will use scientific expertise and vibrant footage of this species to provide people, conservation organizations, and government agencies with the inspiration and information needed for critical conservation action.



159 Sapsucker Woods Rd. Ithaca, NY 14850 (800) 843-2473 www.birds.cornell.edu

Graphic Design: Jennifer Kloiber Infante, Ithaca, New York

