

Sightings: Laysan Albatross Recolonization Project

by Gail Grabowski-Kaaialii
Project coordinator

The Laysan Albatross Recolonization Project going on out at Kaohikaipu Islet off of Sea Life Park is now well underway. Volunteers have been recording their sightings of *Diomedea immutabilis* since December 1, 1995 and will continue until May 1, 1996. Overall it has been a good (but I won't say great) year. We've seen lots of albatross and there has been a general trend of increased sightings since December, but we still don't have a nesting pair. That's okay, however, a breeding pair is our highest hope! Dr. Steve Kress, who directs Audubon's sea bird recolonization projects, all of which use decoys to attract gregarious sea birds, reports that it often takes six to ten years to establish a successful breeding colony. This is the third year of the six-year Laysan albatross project.

Some of our volunteer observers (that's you Bob Becker and Lynnea Overholt!) have been lucky enough to see a Laysan albatross on *three separate* observation periods. While others, although stalwart and dedicated, haven't seen a single albatross....ah! BUT, and it's a biggy, March was the month of heaviest action two years ago, and we know from other data that the juvenile birds in colonies are most actively "practicing" their courtship behaviors in March and April.

The table to the right comprises a

To summarize the data a bit: we had 3 flybys and 2 birds down in January; there were 4 flybys and 3 birds down in February; and we've already had 2 birds on the island as of March 3! Not bad!

Again, March was a good month two years ago (although a slow month last year). Let's hope it's "big" again!



Laysan albatross decoys placed at Kaohikaipu Islet off of Sea Life Park.

<u>Observer(s)</u>	<u>time</u>	<u>date</u>	<u>observation</u>
Simon Cook	1422	12/24	1 LAAL flying at a distance
John Wendel & Vicki Dworkin	1420	1/5	2 LAAL circling between Manana & Kaohikaipu
Bob Westmoreland	1532	1/10	1 LAAL crash landed and stayed overnight!?
Bob & Sydna Becker	0900	1/11	1 LAAL on the island when they arrived
Lynnea Overholt	1200	1/11	continued to watch the 1 LAAL which left @ 1250
June Kirkpatrick	1630	1/15	1 LAAL circled and checked out decoys
Lynnea Overholt	1254	1/22	1 LAAL possible flyby near shore
Alfredo Flores	1101	1/28	1 LAAL crash landed!
John & Gail Kaaialii	1500	1/28	LAAL stayed down all observation
Gail Kaaialii	1400	1/30	1 LAAL flying at a distance
Bob & Sydna Becker	1115	2/1	1 LAAL on the island!
Tom Duddy	1015	2/5	1 flyby, no interest in decoys, then 2 LAAL flyby
Tom Duddy	1115	2/5	1 flyby, no interest in decoys, then 1 LAAL lands!
Lynnea Overholt	1200	2/5	same bird still down
June Kirkpatrick	1515	2/5	same bird still down
Bob Becker	0935	2/8	1 LAAL circled Kaohikaipu
Marianne Long	1515	2/10	1 LAAL circled Kaohikaipu
Chris Meier	0958	2/11	1 LAAL circled Kaohikaipu
Stan & Marti Kazlowski	0915	2/13	1 LAAL on the island when they arrived
John Wendel & Vicki Dworkin	1415	3/1	1 LAAL on the island when they arrived
Phyllus Turnbull	1200	3/2	1 LAAL on the island when she arrived

Research Grants

The Hawaii Audubon Society makes grants for research in Hawaiian or Pacific natural history. Awards generally do not exceed \$500 and are oriented toward small-scale projects within Hawaii. Special consideration will be given to those applicants studying dryland forests and aeolian systems on Hawai'i.

The deadlines for receipt of grant applications are 1 April and 1 October. For an application form send a self-addressed stamped envelope to Grants, Hawaii Audubon Society, 1088 Bishop Street, Suite 808, Honolulu, HI 96813. For more information, call Phil Bruner, (808) 293-3820 (W).

Hawaii Audubon Society

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HAS Dues/ 'Elepaio Subscription Rates for 1996

All amounts are in U.S. dollars.

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Delivery to U.S. zip code addresses

Via bulk mail \$ 10.00

(Not forwardable to new address)

Via first class mail 16.00

(Hawaii residents: there is no significant time difference between bulk and first class mail to addresses within the state of Hawaii.)

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National and Hawaii Societies: 20.00

(Includes delivery of 'Elepaio and Audubon Magazine as bulk or 2nd class mail to U.S. zip codes. Renewal, \$30 annually.)

T-shirts for Sale

The Hawaii Audubon Society has a stock of T-shirts designed to spread the Audubon message. Not only are they attractive personal apparel, but they make excellent presents as well.

T-shirts bearing the Society's 'Elepaio logo are available in blue spruce and mountain rose with a black design. We also have a few in ash (gray). In addition, the "hot" kolea (Pacific golden plover) T-shirts are also available. This T-shirt is white with a three-color design of the kolea and native hibiscus. Proceeds from the kolea T-shirt go to help HAS fund research on shorebirds in Hawai'i and elsewhere in the Pacific region.

T-shirts are \$12 each, plus \$2.00 per shirt for postage. They are available in medium, large, and extra large adult sizes only. When ordering T-shirts, be sure to list size and first, second, and third choice of color. To order T-shirts send your check, payable to the Hawaii Audubon Society, to Yvonne Izu, 1957 Alai Place, Wahiawa, HI 96786. Don't forget to add \$2.00 per shirt for postage. Insufficient postage will delay your order until the proper amount is remitted. T-shirts are not available at the HAS office.

Earth Day 1996

by Dan Sailer

On Earth Day, April 28th, from 10 a.m. to 3 p.m. at Kapiolani Park, HAS will once again spread the word on Hawai'i's birds. This year we hope to include an "audio quiz" testing your knowledge of native bird songs and calls as well as providing storytelling for the old and young alike. Informational displays on HAS activities and opportunities will also be available. If you would like to join in on the fun and assist in staffing or organizing our booth, please call Dan Sailer at 455-2311. Hope to see you there!

Moving?

Please allow four weeks for processing address changes. Because our records are kept in order by zip code, we need both old and new addresses.

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Wilson Ornithological Society Offers Research Grants

General Information

The Wilson Society, founded in 1888, is a world-wide organization of more than 2200 people who share a curiosity about birds. Named in honor of Alexander Wilson, the Father of American Ornithology, the Society publishes a quarterly journal of ornithology and holds annual meetings.

The Wilson Ornithological Society offers three research grants. The focus of each differs somewhat, as does the amount of the award. Willingness to report results of the research as an oral or poster paper at an annual meeting of the Wilson Ornithological Society is a condition of all three. The Research Awards Application Form, which must be used, is available at the HAS office.

Margaret Morse Nice Award

This award is limited to independent researchers without access to funds and facilities available at colleges, universities, or governmental agencies, and is restricted to non-professionals, including high school students. Any kind of avian research is eligible. One \$200 award is given.

Paul A. Stewart Awards

Preference will be given to proposals for studies of bird movements based on banding, analysis of recoveries and returns of banded birds, with an emphasis on economic ornithology.

Multiple awards of \$200 are given annually.

Louis Agassiz Fuertes Award

The Wilson Society's most prestigious award is available to all ornithologists, although graduate students and young professionals are preferred. Any avian research is eligible. One award of \$600 is given.

Deadline for applications and recommendations: 15 January 1997

Grant announced: Annual meeting of the Wilson Ornithological Society

Address for inquiries and submittance of proposals:

Dr. Dan Klem, Department of Biology, Muhlenberg College, Allentown, PA 18104 USA

Suggestions and requirements for proposals

We recommend that your proposal be only one or two pages in length.

Preference will be given to those stating hypotheses or specific goals.

Research methodology, including hypotheses testing, should be carefully described, and analytic methods, including statistical treatments, noted.

You should include a section describing how your research will contribute to the advancement of ornithology. Briefly, what work

has preceded it, how will your work answer questions which have followed that work, and how will it stimulate new questions for future studies?

And finally, the practical part. How are you planning to use the award? How will this grant assist with other funding which you are seeking or have secured? Please provide a budget.

Three copies of ALL application materials, including letters of recommendation, must be submitted. We specifically ask that you submit 3 copies of the following:

* This application * Your proposal * Letters of recommendation (three copies of each letter are to be sent to you in a sealed, signed envelope from those writing recommendations, and you will include them in a single packet together with your application and proposal)

Please consider the above as a checklist...application, proposal, letters of recommendation...3 copies of each. Any applications not including 3 copies of all materials will not be considered.

Editor's note: The above was written by J. Hinshaw and appears on the world wide web at <http://www.ummz.lsa.umich.edu/birds/wos.html>

Recent Nene Research Published

A paper titled "A Key to Ageing Gosling of the Hawaiian Goose or Nene, *Branta sandvicensis*" written by Janet M. Hunter has been published in *Wildfowl*, the journal of the Wildfowl and Wetlands Trust in Slimbridge, England.

According to 'Elepaio's scientific editor Ronald Walker, the article "provides excellent graphics on how to age nene and could be very useful to managers of wild populations and breeders of captive stock."

Copies of the article may be obtained by contacting Hunter at The Wildfowl & Wetlands Trust, Slimbridge, Glos GL2 7BT, UNITED KINGDOM

1, 46, 1995:55-58

Visit of Noted Environmental Toxicologist Expected

Ronald J. Kendall, Director of The Institute of Wildlife and Environmental Toxicology (TIWET) is expected to visit Hawaii this month and may be a guest speaker at HAS.

Kendall, who holds a doctorate in Fisheries and Wildlife Sciences, is a Professor at Clemson University where he is the Head of the Department of Environmental Toxicology. He has received 124 grant awards from 36 different industries, environmental organizations, foundations, and state and federal agencies, for research and studies totaling award amounts of well over 22 million dollars.

The author of ten courses in Environmental Toxicology and currently the author of the text for the course, Advanced Wildlife Toxicology, which he teaches, Kendall is recognized as an authority in his field. His written publications include 59 refereed journal articles, 41 technical research reports, five textbooks and a number of popular articles.

In 1994, he was appointed to the Future of Public Health Task Force, Human Services Coordinating Council, State of South Carolina and in 1995, he was appointed to the U.S. Environmental Protection Agency's Science Advisory Panel.

O'ahu finalists—Kahuku and Moanalua—competing at 'Olelo: The Corporation for Community TV on Saturday, February 24.



O'ahu Paradise Pursuits Preliminaries champions Kamehameha and Moanalua display the T-shirts they won Saturday, February 24.



Kahuku Team Wins on O'ahu During Paradise Pursuits Competition

by Sylvianne Yee

With sixteen eager and capable teams competing, the Paradise Pursuits competition was off to a great start with the O'ahu preliminaries. Held at 'Olelo: the Corporation for Community Television on February 10 and 24, the teams went buzzer to buzzer from 9:00a.m. to 4:00p.m. The February 10 winner, the "Pa'imalua" of Kahuku High School, competed for the O'ahu championship against the February 24 winner, the "Mano" of Moanalua High School. In an exciting match in which both teams showed off their knowledge in the areas of native species, alien species, natural history, and human impact, Kahuku's team finally emerged as the winner. Their prizes were books and a specially arranged hike to a Natural Area Reserve as well as the honor of representing O'ahu in the finals to be televised on June 1. Congratulations, Kahuku, and good luck in the finals.!

Big Island winners — Saint Joseph High School, Saturday, March 2 with their prizes.



O'ahu Paradise Pursuits winner, Kahuku High School with their prizes.



Meet The Paradise Pursuits' Volunteers

by Sylvianne Yee

Volunteers are the "backbone" and "unsung heroes" of any program and Paradise Pursuits is no exception. Without the dedication and cooperation of many "giving" individuals, the Paradise Pursuits program would have difficulty meeting all of its goals.

These individuals gave up a precious Saturday to help run the games, acting as hosts, judges, timekeepers, and scorekeepers: **O'ahu** – John Harrison, Wendy Johnson, Linda Paul, Will McCain, Mary Gaber, Sam Gon, Diana King; **Hawai'i** – Nan Hiraoka, Julie Williams, Barbara Cabatbat, Ann Fielding, Lloyd Loope, Cathy Davenport, Marko Cunningham, Joy Tamayose; **Kaua'i** – Colleen Lopez, Anne O'Malley, Rick Hanna, and Dr. Lorence. **Special thanks to** Will Freeman, Wendy Johnson, John Harrison, and Tina Xavier who gave up multiple Saturdays to guide students in taking the Paradise Pursuits Challenge. Every one of these volunteers deserves a big round of applause for their time and efforts on behalf of the Hawaii Audubon Society and Paradise Pursuits!

Your Bequest Can Help

A bequest to the Hawaii Audubon Society is an excellent way to help in our conservation efforts. George C. Munro, enthusiastic and tireless field ornithologist and naturalist, provided for a fund to be used exclusively for the protection of native dry forests. Today, the George C. Munro Fund provides money for research projects on such forests.

Although an attorney should be consulted in the drafting of your will, a model clause for bequests is set forth below.

"I hereby give, devise, and bequeath to the Hawaii Audubon Society, Honolulu, Hawai'i, the sum of _____ dollars (or set forth a description of property), to be used for the general purpose of said organization."

For more information and assistance, contact the Hawaii Audubon Society, 1088 Bishop Street, Suite 808, Honolulu, HI 96813, (808) 528-1432.

Notes From Along the California Coast

by Mary Gaber

In early February this year, I took a leisurely drive from Los Angeles up the California coast on scenic Route 1, stopping off wherever I saw something that interested me. In a way it reminded me of driving to Hana: lots of 15-mile-per-hour curves and something beautiful (though not waterfalls) around every curve. If you look at a map of that part of California, you'll notice that when driving north on Route 1, after you leave San Simeon (yes, I stopped to look at the Hearst "Castle") on your left is the California Sea Otter State Game Reserve, and on your right is the Los Padres National Forest. Only two small towns dot the land and seascape for over one hundred miles.

I have three particular nature experience I'd like to share. The first was a stop at the Point Lobos Nature Reserve where I spent a most enjoyable and educational hour on a docent-led hike on the Cypress Grove Trail. The Monterey cypress trees evolved on this wind-swept, foggy coastal area. This is one of the last two remaining indigenous groves of this interesting conifer which has gnarled, twisted trunks, often buttressed to withstand the strong winds. Fortunately my day there was sunny and calm. Our docent, Mrs. Dorothy Kay, also identified other important flora and fauna. Docents usually ask where people come from, and when I responded, we discovered a surprising it's-a-small-world coincidence: Mrs. Kay has a son who lives in Kaneohe!

The second experience was my introduction to the monarch butterflies that were wintering over in Pacific Grove. I stayed in a motel three blocks from George Washington Park, and there I encountered the "butterfly lady" explaining the life cycle, habitat and migration habits of *Danaus plexippus*. Literally millions of them were suspended from the trees, looking like autumn leaves. Now and then a pair would spiral down to the ground, and Ms. Vaccaro explained that they

"In a way it reminded me of driving to Hana:"

were mating. "Watch closely now. At a certain point the female will close her wings, and the male will gently lift her and carry her up into the trees again." Only the strongest males are able to do this, thus putting the "survival of the fittest" theory to work by insuring that only superior genes are passed along, enabling them to make their strenuous migratory flights of up to 2,000 miles. Monarchs east of the Rockies winter over in Mexico: those west of the Rockies come to several specific locations on the central California coast.

The third exciting adventure was a slow, open boat trip through the Elkhorn Slough, an estuary located north of Monterey near the small fishing village called Moss Landing. The naturalist/guide, after fitting us out with life jackets, asked who would like to keep track of the birds. I raised my hand of course. "Who wants to record the otters?" Another lady volunteered. Next, "Who wants to do the harbor seals?" A gentleman in the back of the boat spoke up. As we slowly putt-putted along, I recorded thirty two different species of birds: my companions noted forty four individual southern sea otters and over fifty seals! Up close and slowly is a wonderful way to observe those cunning otters and to actually hear and see them cracking abalone shells on their bellies, holding their babies and cruising along, sound asleep, with their front paws out of the water. Another fascinating breeding story: if you notice that an otter has a bright pink nose, she is a female that has just been bred or has a young pup. Males grab the females by the nose during their courtship.

I have information about these places that I would be happy to share with other Audubon members. Also I can recommend *Monterey Bay and Beyond: the Best of California's Central Coast from Santa Cruz to San Simeon* by Lucinda Jaconette as a good book to read if you're planning a visit in that area.

Environmental Assessment for New Operations, Public Use Program at Midway Atoll Released

by Barbara Maxfield
U.S. Fish & Wildlife Service

A draft environmental assessment analyzing potential impacts of a proposed new operations and public use plan for Midway Atoll National Wildlife Refuge was released March 8, for a 30-day public review and comment period. Under the proposed action, the U.S. Fish and Wildlife Service would enter into a long-term cooperative agreement with a private corporation to provide air services and facilities operation and maintenance, and to conduct a public use program in cooperation with the Service at Midway.

"As the U.S. Navy prepares to leave Midway Atoll, we have been seeking a way to not only maintain our refuge operations but also to allow for an expanded public use program," said Robert P. Smith, Pacific Islands Ecoregion Manager for the Fish and Wildlife Service. "Although we have looked at several alternatives, the proposed action outlined in this environmental assessment appears to offer the most benefits not only to the atoll's unique natural and historic resources but to the public as well."

The environmental assessment analyzes two feasible alternatives, including the proposed action and a "no action" alternative. Under the no action option, no public use of the refuge would be allowed, fewer facilities would be maintained, and the existing airfield would be minimally maintained, primarily for use by Coast Guard aircraft and emergency landings.

Under the proposed action, the Service would use much of the existing infrastructure to support refuge management. The proposed public use would make Midway the only

Pacific remote island refuge that is accessible to the general public.

"Stepping off an airplane onto a remote island with a million seabirds and with historic remnants of one of the fiercest World War II battles in the Pacific is a remarkable experience," Smith said. "And it's one the Service would like to share with many people. We believe through our proposed action we can better manage the refuge's resources while we're helping visitors learn about and enjoy them."

Commissioned as a U.S. Naval Air Station in August 1941, Midway Atoll has been virtually off-limits to the public. The Navy anticipates leaving the atoll in 1997 after completion of its activities under the Base Realignment and Closure process. The Fish and Wildlife Service will assume control over the island as the Navy phases out its activities.

Midway hosts more than two million seabirds during the course of a year, including the largest nesting colony of Laysan albatrosses in the world. It also provides habitat for threatened green sea turtles and critical habitat for the endangered Hawaiian monk seal. The atoll entered into the national Wildlife Refuge System in 1988 through a cooperative agreement with the Navy.

Copies of the environmental assessment may be requested by calling the Fish and Wildlife Service at (808) 541-2749. Public comments must be submitted to the Service's Pacific Islands Ecoregion office at 300 Ala Moana Blvd., Room 3108, Box 50088, Honolulu, Hawaii 96850 no later than April 8, 1996.

Christmas Can Come More Than Once a Year!

And it has done so at the Society's office!

by Susan Elliott Miller

"Mrs. Claus" Sibyl N. Heide, HAS life member, had noticed the item in the Annual Appeal in which we indicated our need for a dot matrix printer. One thing led to another and, with strong support from her son John, Mrs. Heide ended up donating to the Society a new Macintosh computer of the PowerMac series, a new laser printer which will print from both Macintosh and IBM, and upgrades and additions to our software library. Cliff Jenkins from Computer Aided Technologies International provided installation help and instruction.

As a result, the Society can handle the creation of the next edition of *Hawaii's Birds* or any other publication completely within the office, put the resulting files on a ZIP disk, and take it to the printer! We also will be able (as soon as we arrange for access) to connect to the "information superhighway" using the high speed modem that is part of the gift. Next our own web page? Why not?

Already Janis McCain, HAS Publicity Chair, has been able to use the "VideoShop" program to start production of a 30-second spot for the Society to use in this year's televised "Paradise Pursuits" finals in June. We could not even have dreamed of doing this ourselves before this equipment came into our lives!

With this gift, the Heides have catapulted our computer capacity to a level we'd not even dared dream about. Mahalo a nui loa does not begin to express the Society's gratitude, but we'll be saying it every time we use all these wonders!

Publications Available

The Hawaii Audubon Society publishes books, checklists, and field cards relating to birds of Hawaii and the Pacific. For a complete price list send a self-addressed stamped envelope to Publications List, Hawaii Audubon Society, 1088 Bishop Street, Suite 808, Honolulu, HI 96813.

Birding on O'ahu

A two-page guide listing areas on O'ahu where interesting birds may be found and where access is not a problem is now available. Written by Peter Donaldson, it offers important information for birders unfamiliar with Hawai'i. The guide is not

designed to give detailed directions or information on bird identification. For a free copy, send a self-addressed stamped envelope to O'ahu Birding Guide, Hawaii Audubon Society, 1088 Bishop Street, Suite 808, Honolulu, HI 96813.

Ocean Wildlife Campaign: Conserving and Restoring the Oceans' Giant Fishes

by David Wilmot, Campaign Director

Six conservation organizations-National Audubon Society, National Coalition for Marine Conservation, Natural Resources Defense Council, New England Aquarium, Wildlife Conservation Society, and World Wildlife Fund-have established a coordinated effort to strengthen global, international, and national management for large ocean fishes-tunas, sharks, swordfish and marlins. Through this unprecedented collaboration, these institutions will pool their collective skills and resources in science, policy, education, and public outreach to conserve and restore large ocean fishes at healthy and productive population levels.

Unsustainable and indiscriminate fishing practices have led to depleted fish populations, unemployed fishers, changes in the biological diversity of the oceans, fish "wars" around the globe, and the commercial extinction of some of the most economically important fish in the U.S. Under this assault, many of the largest ocean species have declined rapidly.

Giant Ocean Predators

Large ocean fishes-tunas, swordfish, sharks, and marlins-are among the most magnificent and aesthetically attractive creatures in the sea. These highly-migratory species are also some of the most overexploited fishes. The west Atlantic bluefin tuna population has declined at least 80% since the mid 1970s and shows no signs of recovery. Sharks are the subject of intense fishing efforts worldwide, often killed only for their high-priced fins. Several large species, notably dusky and sandbar sharks, have declined 70-80% in U.S. waters during the past decade. The breeding population of swordfish now being caught is half what it was 15 years ago, while blue and white marlin and juvenile swordfish, which suffer as bykill in longline fishing gear, have declined 60-90% in the last two decades.

Increasing consumer demand, too many boats, fishing practices that kill large numbers of immature fish and non-target species, destruction of critical habitat, poor or

absent management, and lack of enforcement have all contrived to drive most large ocean fishes to depletion in many areas of the world. Like lions, eagles, and wolves on land, giant ocean fishes are at the top of the food web. These long-lived predators play an important role in maintaining the healthy functioning of marine ecosystems. We do not know the full ecological effect of fishing tunas, sharks, swordfish and marlin to near extinction, but clearly continued depletion of these creatures will be felt at the seafood counter and through the loss of fishing jobs.

Time to Act

To reverse the declines in tuna, shark, swordfish, and marlin populations and begin the hard work toward their restoration, the Ocean Wildlife Campaign has initiated several projects that include:

- production of a resource book providing scientists, educators, managers, and policy makers with information on threatened large ocean species of the Atlantic and Pacific oceans,
- analysis of fisheries for large ocean species, international treaties and agreements, and management regimes in the Pacific Ocean providing a more complete understanding of the status and range of large ocean fish populations, as well as the human-related impacts on these species;
- a conservation initiative to improve the management of Atlantic bluefin tuna, other Atlantic tunas, and Atlantic billfishes, and
- production of a field guide to identify sharks (intact and fins) most endangered by global international trade that can be used to facilitate collection of shark data.

We look forward to reporting our progress and invite you to help us lead the way in conserving and restoring these marvelous animals.

For information, contact:
dwilmot@audubon.org

Source: <http://www.audubon/oceans1a.html>

Mahalo To All Our Generous Friends

by Susan Elliott Miller

Additional responses to the annual fund appeal were received from the following members through March 15, 1996. The Society's Board sends its mahalo a nui loa to each of you!

Brenda Becker, Joseph Bussen, Andrew Cowell, Patricia Donato, Michael and Alice Fischer, Michele A. Gillett, Desiree N. Groesbeck, Mabry Hopkins, Tracy a. Johnson, Yvonne A. Jones, Barbara Murray, Robert A. Petersen, Ruth Rudesill, Kurt R. Schwarz, Richard Soehren, and Marjorie Ziegler.

Freddy Harby gave the Society a major unrestricted gift which will provide additional support to ongoing programs.

The following members responded to the phonathon fundraiser for donations in support of the Society's conservation programs. The Board members and committee chairs (especially those who did the phoning) are grateful to the following:

Charles Adcock, Roy C. Ashitomi, Debra and John Balfour, Dr. and Mrs. Robert Ballard, M. Banker, Peggy Dickie, Gordon L. Johnson Jr., Evangeline J. Funk, Sheri and Sam Gon, Violet Ku'ulei Ihara, Judith A. Kautz, Patricia Likos, John Mitchell, Mrs. James T. Ohashi, Pauline Sato, Susan Scatolini, Ray Tabata, Charles Kukahimaiakalani Tilton, and Ronald L. Walker.

Scientific Articles Sought

We encourage readers to submit their own articles or encourage others to submit articles about research results in fields related to Hawaiian natural science. Reports of observations of Hawaiian birds or bird life are also welcomed. One of the purposes of the 'Elepaio is to include scientific articles which are peer reviewed on matters of interest to its members. Readers will likely have noticed the lack of such articles in this and the past issue. This is because few articles have been received of late and the review process is necessarily time consuming.

Calendar of Events

Monday, April 1 & May 6

Regular first Monday of the month meeting of the **Conservation Committee**, 6:00 p.m. at the U. H. Environmental Center (Crawford Hall, Room 317, 2550 Campus Road). All are welcome. For more information call chairperson Dan Sailer, 455-2311 (evenings).

Thursday, April 4

Monthly meeting of the **Education Committee**, 7:00 p.m. Bale Sandwich Shop in Manoa Marketplace, near Safeway. All are welcome. For more information call chairperson Wendy Johnson, 261-5957 (W).

Monday, April 8 & May 13

HAS Board meeting, 6:30 p.m. at the office.

Monday, April 15

Bring your friends to the next program meeting, where Eric VanderWerf will speak on "Distribution, abundance, and plumage variation of O'ahu 'elepaio." Eric, a U.H. Manoa graduate student, will be sharing information about how to distinguish the sexes and ages of 'elepaio by plumage, as well as their distribution and abundance. Paki Hall conference room, Bishop Museum, 7:30 p.m. Refreshments will be served: Society T-shirts and the new field cards will be available for purchase.

Saturday, April 20

Kolea (golden plover) Bird Watch — Phil Bruner will describe how banded birds are caught and banded out in the field. A half day trip to Honolulu Zoo, Punchbowl and, possibly, Bellows. Please call the HAS office at (808) 528-1432 for meeting place and time.

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