



'ELEPAIO

Journal of the
Hawaii Audubon Society

For the Protection of
Hawaii's Native Wildlife

VOLUME 53, NUMBER 11

NOVEMBER 1993

Paradise Pursuits Presented at HEAA

by Sheila Laffey

Three Paradise Pursuits veterans—Leigh Ann Higa representing Kalani High School's Pulelehua team, Mark Nakamoto of Iolani's 'To team, and Karen Victor, captain of last season's victorious Kamehameha's Hui Lama team—showed their stuff in an abbreviated mock competition enlivened by audience participation at the Hawaii Environmental Education Association's annual dinner on 1 October. Mahalo to Susan Scott and Mary Jo Gellenbach who assisted with the competitions.

Randy Scoville, from Highlands Intermediate School, hosted the quiz show. He also led the audience in a champion/challenger game during which Lorin Gill of Moanalua Gardens Foundation unseated Ray Tabata, conference organizer from Sea Grant. Prizes included Audubon Productions' environmental music video of "You Can Run but You Cannot Hide" by the Grateful Dead and copies of *Hawaii's Birds*. Fred Kobashikawa of Hawaiian Electric Co. was presented with a framed Paradise Pursuits logo (the monk seal riding a surf board graced with pohuehue or beach morning glory) in appreciation of Hawaiian Electric Company's funding of Paradise Pursuits.

Also shown were KHON-TV2's Paradise Pursuits music video promo, news coverage, and entertaining clips of students going head to head and buzzer to buzzer from last season's televised semi-finals hosted by Leslie Wilcox.

The deadline for team sign ups has been extended to 5 November.

We're Moving

Hawaii Audubon will be relocating its offices to Executive Center, 1088 Bishop Street, Suite 808, Honolulu, HI 96813, on or about 1 November. Our telephone number is not expected to change.

Captive Breeding Program for Mariana Island Birds Begins

by Dan Grout, Fish and Wildlife Biologist,
and Barbara Maxfield, Information and
Education Specialist, U. S. Fish and Wildlife Service

Several zoological institutions have joined with the U.S. Fish and Wildlife Service (USFWS) in a new project to develop captive breeding technology for three species of Mariana Island birds. The project, entitled Mariana Archipelago Rescue and Survey (or MARS for short), got underway in July with a collection trip on the Island of Rota in the Commonwealth of the Northern Mariana Islands (CNMI).

The species involved are the Mariana Crow (*Corvus kubaryi*), Mariana Fruit Dove (*Ptilinopus roseicapilla*), and Rota Bridled White-eye (*Zosterops conspicillata*). The Mariana Crow is federally listed as an endangered species, and the Rota Bridled White-eye is a candidate species for federal listing.

The USFWS is funding the project under a grant to a consortium of zoological institutions, including the National Zoo, North Carolina Zoo, Philadelphia Zoo, St. Louis Zoo, Houston Zoo, Memphis Zoo, and the Honolulu Zoo. The project is a proactive measure designed to make captive breeding technology available for these species should the wild populations of these birds be severely threatened in the future by the brown tree snake, disease, or similar catastrophic events.

In July, the USFWS and the MARS team met CNMI Division of Fish and Wildlife and Guam Department of Aquatic and Wildlife Resources biologists on Rota to capture birds for the project. They were successful in collecting seven Mariana Crows, three Rota Bridled White-eyes, and sixteen Mariana Fruit Doves, and in safely transporting them to the Mainland.

Five crows are at the National Zoo's Conservation and Research Center in Front Royal, Virginia, and two are currently at the Philadelphia Zoological Park. This pair will

later be moved to the Houston Zoo. All three Rota Bridled White-eyes are at the National Zoo's Front Royal facility. Eight of the Mariana Fruit Doves are at the Memphis Zoo, four at the St. Louis Zoo, and four at the Philadelphia Zoo. All of these birds are healthy and in off-exhibit enclosures.

The USFWS and CNMI issued collection permits for a total of 12 Mariana Crows, 20 Rota Bridled White-eyes, and 30 Fruit Doves. A second trip is being planned in early 1994 to complete the collection effort.

The Rota Bridled White-eye is endemic to the island. It has recently exhibited population declines of up to 87 percent from 1987 to 1991. Although a specific cause has not been identified, introduced predators, competitors, or disease are potential factors.

The Mariana Crow and Fruit Dove are still relatively common on Rota, but the introduction of the brown tree snake on the neighboring island of Guam resulted in the local extirpation of the fruit dove, and as few as 50 Mariana Crows remain on that island.

The brown tree snake was introduced to Guam in the 1950's and has led to the extinction of almost all of the island's avifauna. The snake has since been found as a stowaway on ten other Pacific islands, and is apparently establishing itself on Saipan. Although only a dead snake has been found on Rota, concern that the brown tree snake may colonize on the island and decimate its avifauna led to this project.

This captive breeding research will provide a backup population for reintroduction to snake-free areas if Rota's forest birds exhibit the same rapid declines as witnessed on Guam. In the meantime, efforts continue to control the spread of the brown tree snake to other islands and to create snake-free areas on Guam.

Studies Support Need to Preserve Hawaii's Environment

U. S. Senator Daniel K. Akaka announced that separate scientific reports issued on 5 October offer compelling evidence of the threat to Hawaii's native ecosystems and the need to implement a comprehensive action plan to save Hawaii's natural heritage.

The first, issued by the National Research Council (NRC), contains findings and recommendations for the management of the Nation's biological resources. The second, prepared by the Office of Technology Assessment (OTA), documents the economic, environmental, and health damage inflicted by non-native species on fragile ecosystems, such as those found in Hawaii.

"The NRC has given its unqualified enforcement to my proposal to establish a National Biological Survey," said Akaka. "The National Biological Survey is essential, if we are to identify, in a proactive fashion, chronic declines of species and natural habitats. Resource managers in Hawaii and other states desperately need baseline data to promote wise stewardship of the resources they manage, and this survey will provide the essential information they require. The National Biological Survey is an idea whose time has come," he added.

The NRC report identifies the island systems of the Pacific as "a priority for preserving biodiversity" but warns that "time is running out." It endorses the need to give Hawaii and other Pacific ecosystems special emphasis and characterizes the proposal to establish a separate Pacific region within the biological survey as "indispensable." In July, Secretary of the Interior Bruce Babbitt announced that Hawaii would be the focus of a special region within the biological survey to ensure that the new program was responsive to critical preservation needs in Hawaii. (See *'Elepaio*, 1993: 53:65.)

The OTA found that the U. S. has no real national policy to prevent the harmful introduction of non-indigenous species. It called the current system "piecemeal, lacking adequate rigor and comprehensiveness." Using Hawaii as an example, it found that many federal and state statutes and regulations were not keeping pace with new and spreading non-indigenous pests. A chapter is devoted to a detailed case study of the threat posed by alien species to native ecosystems in Hawaii.

"The OTA report gives national attention to a problem that we, in Hawaii, have

known about for some time. No federal agency has a clear mandate to protect native ecosystems from the damage caused by alien species. In an effort to address this problem, I introduced the Alien Species Prevention and Enforcement Act. The Act requires the U. S. Department of Agriculture (USDA) to safeguard Hawaii from the growing invasion of alien species. Unfortunately, as of 5 October, the USDA has failed to implement those requirements," said Akaka. The Alien Species Prevention and Enforcement Act became Public Law 102-393 on 6 October, 1992.

Source: Bob Ogawa, Senator Akaka's Office

Help Needed for 27 November Mailing

We will be mailing ballots, dues renewal notices, and the December *'Elepaio* to over 2,500 members on Saturday, 27 November, from 9:00 a.m. to 1:00 p.m. We need help stuffing, addressing, and stamping. If you can give us an hour or more, please call Lynne Matusow, 531-4260 (H) after 2 November. The mailing party will be at our new office, 1088 Bishop Street, Suite 808.

This is a great way to meet new people and have fun while helping Audubon get the work done. Refreshments will be served.

Mahalo Donors!

The Hawaii Audubon Society thanks the following members and friends for their generous donations:

Alan D. Barron, Theodore P. Bodner, Joseph Bussen, Douglas and Gail Cheeseman, Jr., Barbara del Piano, Victoria Dworkin, Darlene Fiske, Jim Fakas, Ersilia Ganz, Alden and Nora Hinckley, Kamal Islam, Betty Johnson, Sally Keen, Warren King, Ardell Kuchenbecker, Patricia and Ken Kupchak, Michael Landau, Jaan Kaimanu Lepson, D.B. Luten, and Virginia A. Lyon.

Also, J. de Navarre Macomb, Jr., Wilhelmina Markiewicz, Emily McKay, Maxwell McLeod, Ellis Myers, Robert Parker, Blanche Pedley, James Place, David Roberts, Dan Sheedy, Virginia Stilwell, Maj. Charles Stowe, Ora Stroburg, Roberta Tate, Mr. and Mrs. George Theros, Dr. M. D. F. Udvardy, and Bronwen Welch.

Call for Proposals for Natural Resource Projects

by Robert P. Smith, Field Supervisor, USFWS/ES Pacific Islands Office

For the past few years, the Pacific Islands Office of the U. S. Fish and Wildlife Service (USFWS) has provided funds for natural resource projects in Hawaii and the Pacific. In 1994 a limited amount of funds will be available for this purpose. Projects to be considered for funding should fall into the following categories: endangered and threatened species listing, endangered and threatened species recovery, environmental contaminants, and wetland restoration and enhancement.

Projects that have been funded in the past range from scientific research and habitat improvements to public information programs. Examples of projects that have received funding from this office include the construction of pig-proof fences and feral ungulate control on Maui, a survey for contaminants in Pueo (Hawaiian Owl), terrestrial snail surveys in American Samoa, the establishment of endangered plant propagation facilities in Hawaii, and wetland restoration and enhancement projects in Guam.

In an attempt to consolidate the proposal review and prioritization process, proposals for fiscal year 1994 (1 October, 1993-30, September, 1994) should be submitted to the USFWS, Pacific Islands Office, Box 50167, Honolulu, HI 96850, before 31 December, 1993. Not all proposals will receive funding. Proposals will be funded based upon how they fit into the USFWS' agenda and budget for fiscal year 1994. They will be reviewed by the Pacific Islands Office and occasionally by outside reviewers. Decisions on which proposals will be funded will be made in early January, 1994.

Proposals should include the following information: background and justification objectives, research plan (project site, materials and methods, schedule, publication of results), personnel involved, and an itemized budget.

For more information call Karen Rosa, Recovery Branch Coordinator, at (808) 541-2749. Technical questions regarding the proposals will be referred to the appropriate biologist in the Pacific Islands Office, whose area of expertise the project falls under.

Mele Kalikimaka—It's Time to Sign Up for Christmas Bird Counts

by Robert L. Pyle

Participants are needed to make the annual statewide Christmas counts a success. This is a sincere plea for help. You do not need to be an expert birdwatcher or ornithologist to participate.

Information collected during the counts will be compiled and submitted for publication in *American Birds*, a magazine which includes the Christmas count volume and four other seasonal issues reporting bird observations throughout North America and Hawaii. Participants' fees (\$5 per person) go entirely to help offset the cost of publishing the Christmas count issue.

Christmas bird counts in Hawaii have been a longstanding tradition and one of the Hawaii Audubon Society's favorite annual field and social events. Bird counting will be done in towns, suburbs, wetlands, sea cliffs, beaches, grasslands, mountains, and forest.

Following are a list of the counts, dates, and the person to contact for more information and to sign up.

Hawai'i Island

North Kona, Saturday, 18 December. Contact: Reginald David, 329-9141 (H).

Volcano, Sunday, 26 December. Contact: Larry Katahira, 967-8226. Participants wishing to go with the party to Kulani Correctional Facility must get their social security number and birthdate to Larry Katahira no later than 30 November.

Kaua'i

Kapa'a, Call Barbara Stuart, 826-9233 (H), for further information.

Lihu'e, no compiler. Anyone with CBC experience interested in continuing this 20-year count contact HAS or Winona Sears on Kaua'i, 822-3045, before 3 December.

Waimea, Sunday, 2 January. Contact: Mark Jeffers, 335-9975.

Maui

Pu'u O Kaka'e, Call Fern Duvall, 572-1584 (H), for further information.

Moloka'i

Kualapu'u, Call Nature Conservancy, 553-5236, for further information.

O'ahu

Honolulu, Sunday, 19 December. Contact: Lance Tanino, 247-5965 (H), Monday and Wednesday nights.

Waipi'o, Sunday, 26 December. Contact: David Bremer, 623-7613 (H).

Birding at Nu'upia Ponds

by Lance Tanino

The September field trip took place under partly cloudy skies, with Fred Zera leading a band of hardy birders through the Kane'ohe Marine Corps Air Station Nu'upia Ponds Wildlife Management Area nature trail. With an informative trail guide booklet in hand we walked the one-mile trail.

Throughout the walk we observed flocks of Black Noddies flying low over the ponds coming from Kane'ohe Bay and flying toward Kailua Bay. We were also treated to an aerial show by a large flock of Great Frigatebirds getting a drink from the ponds and flying low over our group. We also observed several endangered Black-necked (Hawaiian) Stilts.

Other species seen included Japanese White-eye, Red-vented Bulbul, Java Sparrow, Common Waxbill, Common Myna, Ruddy Turnstone, House Finch, Northern Cardinal, Zebra Dove, Spotted Dove, Cattle Egret, Black-crowned Night-Heron, Wandering Tattler, and Sanderling. There was also a young hammer-head shark in the canal.

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.

'Alala Recovery Project Needs Research Aides

The U.S. Fish and Wildlife Service (USFWS) needs volunteer field research assistants to work on its recovery project on the endangered 'Alala (Hawaiian Crow). Duties include locating and monitoring nests, conducting behavioral and foraging observations, radio-tracking, and predator tracking. Two positions are available from 1 January-30 April, 1994; two more are available from 1 May-31 July, 1994. The exact dates are negotiable. Housing, equipment, training, and a \$300 monthly food stipend will be provided. Applicants must provide their own airfare to Kailua-Kona on the Big Island.

Applicants must have a B. S. in wildlife biology or a similar field, plus six months of field research experience. They must also be in excellent physical condition and be able to work and live in primitive conditions in the rainforest. They must show a demonstrated ability to work well with various people under close conditions. Send SF-171, transcripts or class list, and names and phone numbers of three references with a cover letter to: Scott Johnston, USFWS, Pacific Islands Office, Box 50167, Honolulu, HI 96850.

Questions Needed for Quiz Show

by Emily Gardner

Are you an environmental trivia buff? If so, this is a perfect opportunity to put all your stored up knowledge about the environment to good use. Questions are needed for the 1994 competitions of *Paradise Pursuits*, the environmental quiz show for Hawaii's high school students.

Questions should be of the short answer or multiple choice variety (with three or four choices) and be suitable for inclusion in one of the following four game categories: natural history, human impact, native species, or alien species. When drafting questions, it would also be helpful to include the name of a reference where the information in the question can be found.

Send questions, with your name, address, and telephone number to: Education Committee, Hawaii Audubon Society, 1088 Bishop Street, Suite 808, Honolulu, HI 96813.

Hawaii Audubon Society Publications

Hawaii's Birds by the Hawaii Audubon Society, 4th edition, 1993. Over 150 color photographs and illustrations. \$11.50 per copy (\$9.95 plus \$1.55 postage).

Please add \$1.00 for postage and handling for orders on the following:

Checklist of the Birds of Hawaii—1992 by R.L. Pyle. Lists all taxa naturally occurring in Hawai'i and introduced species that have established viable populations. Also includes all changes from the 1983 checklist. \$2.00.

Checklist of the Birds of the Mariana Islands by James D. Reichel and Philip O. Glass, 1991. Lists all taxa naturally occurring in the Marianas and introduced species that have established viable populations. \$2.00.

Checklist of the Birds of Micronesia by P. Pyle and J. Engbring, 1985. Lists all taxa naturally occurring in Micronesia and introduced species that have established viable populations. \$2.00.

Field Card of the Birds of Hawaii by R.L. Pyle and A. Engilis, Jr., 1987. A pocket-sized field card listing bird taxa found in Hawai'i, with space for field trip notes. \$.25; five or more, \$.20/copy.

Endangered Waterbirds of the Hawaiian Islands by R.J. Shallenberger, 1978. Hawaiian Stilt, Coot, Gallinule (Moorhen), and Duck, each described in two pages of photographs and text. \$1.00.

Posters, 43 x 56 cm., \$1.00 each.

Our Homes are Hawaii's Wetlands, 1984. Native wildlife of a Hawaiian marshland.

Hawaiian Forests Are More Than Trees, 1988. Hawaiian forest plants, invertebrates, birds, and the Hawaiian hoary bat. Booklet included.

Back Issues of 'Elepaio and Indices to 'Elepaio:

Vol. 1-40 — \$1.00 per issue, \$10.00 per volume

Volunteers Needed for HAS Projects

by Lynne Matusow

A volunteer organization is only as good as the efforts put forth by its members. Without the assistance of members like you, the Hawaii Audubon Society will be hard pressed to continue and expand its services. At press time we were seeking to fill the following positions:

Recording Secretary. This Board of Directors position entails taking and transcribing minutes at the monthly Board meetings (usually the second Monday of the month from 7:00 p.m. to 9:00 p.m.) and sending them to Board members. To volunteer or for more information call Linda Paul, 262-6959 (H).

Program Committee Chair. This committee is responsible for running the general membership meetings six times a year. The committee finds guest speakers, prepares press releases concerning the meeting, conducts the meeting, and serves refreshments. Most of the work can be done from your home or office. If you can spare four hours a month to coordinate these activities, call Lynne Matusow, 532-4260 (H), or Linda Paul, 262-6959 (H).

Phone Tree Coordinator. You will be responsible for maintaining the list of persons participating in the telephone tree and giving information to phone tree participants when calls need to be made. We need a self starter who is a good communicator and who can devote four to eight hours a month for a minimum of a year. This work can be done from home. Some knowledge of environmental issues and legislators is a plus. To volunteer call David Hill, 988-7460 (H).

Phone Tree Callers. We are growing a phone tree—a chain of people who can make

calls to decision-makers on environmental issues. This allows the environmental community to respond very quickly with public pressure on important issues. To join our phone tree, call David Hill at 988-7460 (H).

Testimony Presenters. Here we need self-starters who can tactfully and effectively present testimony at the legislature, county councils, and hearings of governmental boards and agencies, usually on weekdays during daytime hours. If you can't write the testimony, we will have someone else do it. A knowledge of Hawaii, including issues, politicians, and who the players are is a big plus. A minimum of four hours a month is required. To volunteer call David Hill, 988-7460 (H).

Volunteer Coordinator. This hardworking, gregarious individual will match volunteers with available jobs, see that volunteers are trained, and maintain contact with volunteers to see if they are happy or have suggestions for improving things, and plan volunteer recognition events. This job will take two hours or more weekly. To volunteer call Lynne Matusow, 531-4260 (H).

Office Staff. Among the duties are answering the telephone, distributing the mail, referring problems to the appropriate officer or committee chair, inputting questionnaire data in the computer, filing, and responding to routine correspondence. To volunteer call Lynne Matusow, 531-4260 (H).

Field Trip Leaders. You have asked us to expand our field trip offerings. To do so we need leaders on all islands. If you can donate a Saturday or Sunday once every few months and can lead a reef walk or have expertise in bird and/or plant identification call Lance Tanino, 247-5965 (H), Monday and Wednesday nights.

All of the above are volunteer positions.

Vol. 41 to present — \$0.50 per issue, \$5.00 per volume

Complete set (Vols. 1-51) — \$400

Index Vols. 36-40 — \$2.50

Index Vols. 41-45 — \$2.50

Index Vols. 46-50 — \$2.50

*All back issues of 'Elepaio are at above cost plus applicable postage.

Send orders, with check payable to the Hawaii Audubon Society, to Hawaii Audubon Society, 1088 Bishop St., Suite 808, Honolulu, HI 96813.

Got an Extra Fax?

As we spread our wings, we are looking for donated used or new equipment. High on our wish list are a fax machine, our number one priority, a copy machine, and an IBM compatible PC and printer.

If you can donate any of these items, call Stan Michaels, 528-1432 (W). All donations are tax deductible to the extent permitted by law.

Hawaii Audubon Society

1088 Bishop Street, Suite 808
Honolulu, Hawaii 96813
Telephone (808) 528-1432

Board of Directors

President: Reginald David, on Hawai'i,
329-9141 (W), 329-1245 (FAX)

First Vice President: Linda Paul,
262-6859 (H)

Second Vice President: Emily Gardner,
734-3921 (H)

Treasurer: Lynne Matusow, 531-4260 (H)

Corres. Sec.: Carl Christensen, 239-5136 (H)

Recording Sec.: Betsy H. Gagne, 941-5659 (H)

Directors

Shannon Atkinson, 737-3528 (H),
956-8625 (W), 956-6751 (FAX)

David Michael Hill, 988-7460 (H),
955-0100 (W)

E. J. "Jay" Lembeck, 261-6657 (H)

Kevin Shaney, 988-5626 (H), 548-4811 (W),
548-6690 (FAX)

Joyce Stanney, 533-0204 (H), 543-0827 (W),
533-0308 (FAX)

Committees

Conservation: David Michael Hill (as above)

Education: Emily Gardner (as above)

Field Activities: Lance Tanino, 247-5965 (H),
call Monday and Wednesday nights

Finance: Lynne Matusow (as above)

Fundraising Task Force: Stan Michaels,
528-1432 (W)

Grants & Scholarships: Phil Bruner,
293-3820 (W)

Membership: Robert Pyle, 262-4046 (H)
Programs:

Publications: Reginald David (as above)

Publicity: E. J. "Jay" Lembeck (as above)

Island Representatives

Maui: Renate Gassmann-Duvall,
1-572-1584 (H)

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 ash (gray) with a black design. We also have a few in aqua, navy, white, and beige. 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, 2069 California Avenue, #20B, 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.

HAS Dues for 1994

All amounts are in U.S. dollars.
Includes delivery of 'Elepaio.

Regular Member

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.)

Junior Member (18 and under) 5.00

Contributing Member 30.00

Sustaining Member 100.00

Life Member (one-time payment) 250.00

(three annual payments) 100.00, 100.00, 50.00

Benefactor (one-time payment) 500.00

Patron (one-time payment) 1,000.00

Delivery to non-U.S. addresses:

Mexico (airmail only) 16.00

Canada (airmail only) 17.00

All other countries (surface mail) 18.00

All other countries (airmail) 28.00

Introductory dues for

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.)

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).

Your Bequest Can Help

A bequest to the Hawaii Audubon Society is an excellent way to help in our conservation efforts.

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, Hawaii, 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.

Useful Information

by George Campbell

The Hawaii Audubon Society receives a wide variety of publications, notices, and advertising. Some are exchange items, others are unsolicited. Included is such material as newsletters from other Audubon Societies, announcements of events and programs from various organizations (schools, aquariums, museums, etc.), journals from scientific institutions concerning birds, periodicals on conservation and environmental matters, notices from bird-tour agencies, booksellers' catalogs, advertisements for new bird books, etc.

These publications are kept in the office for six months and are available for members' use. After that time some are sent to libraries and others are brought to the general membership meetings for distribution to interested attendees.

'ELEPAIO

ISSN 0013-6069

Managing Editor:

Lynne Matusow 531-4260

Editorial Assistants:

Jean Campbell, Lila Gardner, Donna de Haan,
Robert L. Pyle

Reporters:

Doug Lamerson

Distribution:

George Campbell, 941-1356 (H), Christi Moore,
Robert Pyle, Alan Ziegler

The 'Elepaio is printed on recycled paper.

Calendar of Events

Wednesday, November 3

Monthly meeting of the Education Committee, 7:00 p.m., at the YWCA (where Coffeeline was), 1820 University Avenue. To join or for more information call Emily Gardner, 734-3921 (H). The Committee is actively seeking new members to work on Paradise Pursuits. All are welcome.

Monday, November 8

Monthly meeting of the Conservation Committee, 6:30 p.m., at the YWCA (where Coffeeline was), 1820 University Avenue. To join or for more information call David Hill, 988-7460 (H).

Sunday, November 14

Field trip to James Campbell National Wildlife Refuge led by refuge biologist Mike Silvernagel to see native waterfowl as well as migratory shorebirds and waterfowl. Meet at the State Library at 7:15 a.m. or the Kahuku Sugar Mill Shopping Center (in the parking lot next to First Hawaiian Bank) at 8:45 a.m. Bring binoculars, spotting scopes, water, sun

screen. For more information call Lance Tanino, 247-5965 (H), Monday and Wednesday nights. Suggested donation: \$2.00.

Monday, November 15

Board meeting, 7:00 p. m., HAS office. Call Reggie David on Hawai'i, 329-9141 (W), for details.

Saturday, November 27

Mailing party, 9:00 a.m. to 1:00 p.m., HAS office. See story on page 74 for details.

December, various dates.

Christmas Bird Counts. See story on page 75 for details.

Thursday, December 16

Annual Meeting, Paki Conference Room, Bishop Museum, 7:30 p.m. Election results. Betsy Harrison-Gagne, Executive Secretary of the Natural Area Reserves System Commission, will present a slide show of Hawaii's natural area reserves featuring various habitats, birds, and plants. Refreshments will be served.

Table of Contents

Paradise Pursuits at HEAA.....	73
by Sheila Laffey	
We're Moving.....	73
Captive Breeding Program for Mariana Island Birds Begins.....	73
by Dan Grout and Barbara Maxfield	
Studies Support Need to Preserve Hawaii's Environment.....	74
Help Needed for 27 November Mailing..	74
Mahalo Donors!.....	74
Call for Proposals for Natural Resource Projects.....	74
by Robert P. Smith	
Mele Kalikimaka—It's Time to Sign Up for Christmas Bird Counts.....	75
by Robert L. Pyle	
'Alala Recovery Project Needs Research Aides.....	75
Birding at Nu'upia Ponds.....	75
by Lance Tanino	
Hawaii Audubon Society Publications..	76
Volunteers Needed for HAS Projects....	76
by Lynne Matusow	
Got an Extra Fax?.....	76

HAWAII AUDUBON SOCIETY • 1088 BISHOP STREET, ROOM 808 • HONOLULU, HAWAII 96813

FORWARDING AND RETURN POSTAGE GUARANTEED
ADDRESS CORRECTION REQUESTED

Non-Profit Organization
U.S. Postage
PAID
Honolulu, Hawaii
Permit Number 1156

'ELEPAIO

