

American Samoa Christmas Bird Count Honolulu Count

by Gilbert S. Grant¹ and Pepper W. Trail¹

On 16 December 1993 two observers travelling in one party recorded 752 birds of 29 species on Tutuila, American Samoa. The count circle was centered at the peak of Matafao Mountain (14°18'S and 170°42'W) and included the entire island except the areas west of Fagamalo and Nua villages and east of Masausi and Alofa villages. All of the Tutuila unit of the proposed National Park of American Samoa was included within the count circle.

The total party hours were 6.25: 3.25 hours on foot and 3 hours by vehicle. Participants travelled 0.5 mile on foot and 52 miles by vehicle. Percentage of time in each habitat was: 30% in villages, 30% in nearshore/reef, 10% in plantations, 10% in montane scrub, 10% in rainforest, and 10% in shore/scrub. The participants were Gilbert S. Grant and Pepper W. Trail.

Species and numbers seen: White-tailed Tropicbird (*Phaethon lepturus*), 18; Brown Booby (*Sula leucogaster*), 37; Great Frigatebird (*Fregata minor*), 6; Lesser Frigatebird (*Fregata ariel*), 2; frigatebird sp. 15; Reef Heron (*Egretta sacra*), 13; Banded Rail (*Rallus philippensis*), 15; Purple Swamphen (*Porphyrio porphyrio*), 2; Pacific Golden-Plover (*Pluvialis fulva*), 107; Wandering Tattler (*Heteroscelus incanus*), 13; Ruddy Turnstone (*Arenaria interpres*), 17; Bridled Tern (*Sterna anaethetus*), 2; Brown Noddy (*Anous stolidus*), 58; Blue-gray Noddy (*Procelsterna cerulea*), 2; White Tern (*Gygis alba*), 65; Rock Dove (*Columba livia*), 1; Many-colored Fruit-Dove (*Ptilinopus perousii*), 7; Purple-capped Fruit-Dove (*Ptilinopus prophyreus*), 21; Pacific Pigeon (*Ducula pacifica*), 24; Barn Owl (*Tyto alba*), 1; White-rumped Swiftlet (*Collocalia spodiopygia*), 29; Collared Kingfisher (*Halcyon chloris*), 19; Red-vented Bulbul (*Pycnonotus cafer*), 58; Wattled Honeyeater (*Foulehaio carunculata*), 47; Cardinal Honeyeater (*Myzomela cardinalis*), 10; Polynesian Starling (*Aplonis tabuensis*), 6; Samoan Starling (*Aplonis atrifusca*), 49; Common Myna (*Acridotheres tristis*), 22;

and Jungle Myna (*Acridotheres fuscus*), 32. Two Gray, or Pacific Black Ducks (*Anas superciliosa*) were seen within the count circle the day before the count (15 December 1993).

Grant and Trail (1993) discussed population declines and the status of introduced birds on American Samoa. Trail is continuing to monitor the bird populations on Tutuila using standardized census techniques.

The observation of Bridled Terns was noteworthy. This species has been considered a rare visitor to American Samoa (Engbring and Ramsey 1989), and was not a confirmed breeder (Grant and Trail 1993) until an active cliff-side nest was found near the Pola Islet on 16 November 1993. Gray Ducks are sighted sporadically in American Samoa, primarily on the island of Aunu'u and in a small wetland within Olovalu Crater on Tutuila.

Literature Cited

- Engbring, J. and F. L. Ramsey. 1989. A 1986 survey of the forest birds of American Samoa.
Grant, G. S. and P. W. Trail. 1993. American Samoa Christmas bird count 1992. 'Elepaio 53:19.

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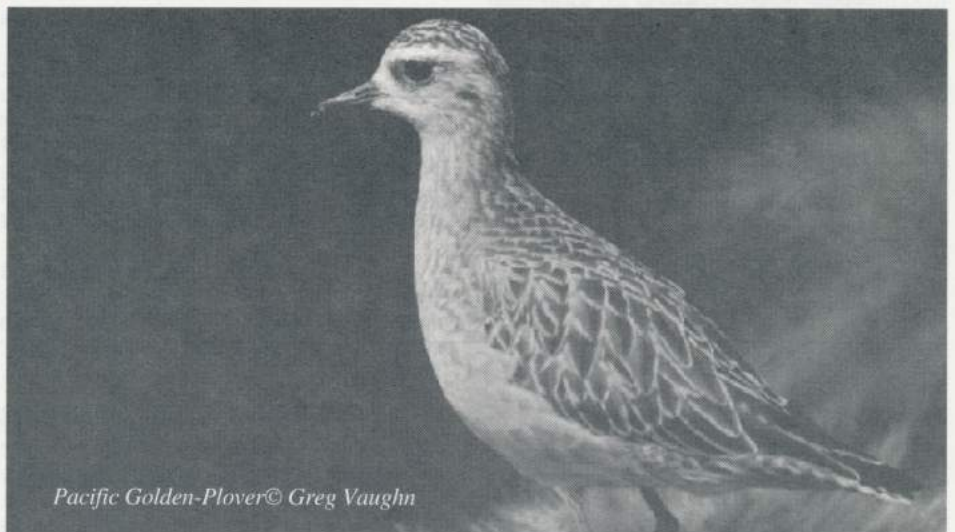
by Lance Tanino¹

Gusty trade winds were with us during the 50th annual Honolulu Christmas bird count which started on a cool Sunday morning, 19 December 1993. In 1993, 22,598 birds were counted compared to 18,779 birds in 1992. However, additional areas were covered. Fifty three observers in 26 parties spent 129.50 party-hours, up 38.50 party-hours from 1992.

Forty five species were seen in 1993, down 3 species from 1992. The Zebra Dove was once again #1 in total individuals seen with 5,627, up 1,515 from 1992. Second for the third straight year was the Java Sparrow (3,216, up 514), and third for the third straight year was the Common Myna (2,725, up 27). The rest of the top 10 is: Red-vented Bulbul (1,487, up 178), Spotted Dove (1,379, down 124), Pacific Golden-Plover (1,332, up 133), Japanese White-eye (931, up 234), Red-footed Booby (916, up 629), House Sparrow (672, down 104), and House Finch (594, up 191).

The unusual species seen this year was a Canada Goose. It was seen in the Kawai Nui Marsh canal area where it had been hanging around for about a month. A falcon sp. was also seen by the same group, although it allowed for only a brief look. One of the observers described it as "larger than a kestrel"

(continued on page 15)



Pacific Golden-Plover © Greg Vaughn

50th Annual Honolulu Christmas Count—1993

Species:	Sectors										Total
	1	2	3	4	5	6	7	8	9	10	
Laysan Albatross	-	-	-	-	-	-	-	-	3	-	3
White-tailed Tropicbird	-	-	-	-	-	1	-	-	-	-	1
Brown Booby	-	-	-	-	-	-	-	19	3	-	22
Red-footed Booby	-	-	-	-	-	-	4	12	900	-	916
Great Frigatebird	-	-	-	-	-	-	-	34	92	-	126
Cattle Egret	-	2	-	-	-	-	92	19	116	29	258
Black-crowned Night Heron	-	1	-	-	-	1	3	6	43	1	55
Canada Goose	-	-	-	-	-	-	-	1	-	-	1
Mallard	-	-	-	-	-	-	-	78	-	26	104
Lesser Scaup	-	-	-	-	-	-	-	2	-	-	2
falcon sp.	-	-	-	-	-	-	-	1	-	-	1
Hawaiian Moorhen	-	-	-	-	-	-	-	-	2	-	2
Hawaiian Coot	-	75	-	-	-	-	-	2	1	3	81
Pacific Golden-Plover	3	204	69	56	29	186	161	64	443	117	1332
Hawaiian Stilt	-	-	-	-	-	-	-	13	121	3	137
Wandering Tattler	-	-	-	-	-	2	-	1	10	2	15
Ruddy Turnstone	-	-	-	-	-	10	5	33	277	32	357
Sanderling	-	-	-	-	-	-	-	-	15	-	15
Dowitcher sp.	-	-	-	-	-	-	-	-	1	-	1
Brown Noddy	-	-	-	-	-	-	-	-	[CW]*	-	-
Black Noddy	-	-	-	-	-	-	-	-	5	-	5
White Tern	-	7	1	4	3	-	-	-	-	-	15
Rock Dove	-	11	-	62	-	28	31	179	10	6	327
Spotted Dove	14	227	99	85	15	371	148	122	174	124	1379
Zebra Dove	16	449	235	824	849	1561	385	611	373	324	5627
Red-vented Bulbul	68	364	200	53	14	327	148	69	74	170	1487
Red-whiskered Bulbul	28	21	123	30	-	4	-	-	-	39	245
Japanese Bush-Warbler	7	3	5	-	-	-	1	-	-	2	18
O'ahu 'Elepaio	3	3	-	-	-	6	-	-	-	-	12
White-rumped Shama	18	26	32	18	-	18	22	1	1	14	150
Red-billed Leiothrix	19	3	10	17	-	20	15	-	-	-	84
Common Myna	-	320	55	168	27	687	278	548	294	348	2725
Japanese White-eye	169	193	172	90	13	113	116	4	15	46	931
Northern Cardinal	13	27	28	11	6	8	30	3	7	16	149
Red-crested Cardinal	7	56	8	46	11	75	3	26	44	33	309
Saffron Finch	-	25	-	-	-	-	-	-	-	-	25
House Finch	27	80	4	47	50	149	156	15	20	46	594
Yellow-fronted Canary	-	-	-	-	7	-	-	-	-	-	7
O'ahu 'Amakihi	57	14	41	24	-	-	-	-	-	-	136
'Apapane	101	21	23	-	-	-	-	-	-	-	145
House Sparrow	-	117	9	69	31	147	119	46	75	59	672
Lavender Waxbill	-	-	-	-	-	[CW]*	-	-	-	-	-
Orange-cheeked Waxbill	-	-	-	-	-	-	-	-	[CW]*	-	-
Common Waxbill	11	8	12	-	2	17	210	-	98	201	559
Red Avadavat	-	-	-	-	-	-	-	2	-	-	2
Nutmeg Mannikin	31	31	8	5	27	31	15	154	15	17	334
Chestnut Mannikin	-	5	-	-	-	-	-	-	-	11	16
Java Sparrow	-	257	113	297	169	1357	315	332	309	67	3216

Species	17	27	20	18	15	22	21	28	29	25	45
Total Individuals	592	2550	1247	1906	1253	5119	2257	2397	3541	1736	22598
Party-Hours	9 3/4	24 1/2	15	7 3/4	3	30 1/2	7	10	11	11	129 1/2

[CW]*=Species seen in count circle during count week but not seen day of count

but no details were given. A dowitcher sp. was seen in Nu'upia 'Ekolu. Details were given but not enough could be seen to be certain if it was a Long-billed or Short-billed Dowitcher. Also, no calls were heard from the dowitcher. Two Lesser Scaup (Bay Duck) were seen in Ka'elepulu Pond late in the afternoon.

A pleasant surprise were the increased numbers for the endemic forest birds from 1992. The 'Apapane increased by 88, the 'Amakihi by 57, and the most reassuring surprise was the declining O'ahu 'Elepaio which finally hit double digits, up 6 from 1992. Not since the 1987 Christmas bird count when 18 'Elepaio were counted has the native flycatcher hit double digits. The 'Elepaio were in Halawa Valley (3), Moanalua Valley (1), Kuli'ou'ou Valley Trail (1), Pia Valley Trail (4), Tripler Ridge Trail (2), and Hawaii Loa Ridge Trail (1).

Although Moku Manu Island is not in the count circle, the seabirds on it were counted from the Red-footed Booby colony on Ulupau Head. They are not included in the Honolulu count totals. This year there were 8 Masked Boobies, 17 Brown Boobies, 65 Red-footed Boobies, 118 Great Frigatebirds, and 6 Brown Noddies.

Feral birds counted this year were 50 Muscovy and other domestic ducks, 10 domestic geese, and 6 domestic chickens.

Sectors:

- 1-A: Aiea Ridge Trail: Eric Vanderwerf, Joby Rohrer
- 1-B: North Halawa Valley: Craig Rowland, Elizabeth Flint, Nina Lisowski, Mark Webber
- 2-A: Tripler Ridge Trail/Tripler Hospital: David Bremer, John O'Brien
- 2-B: Moanalua Valley Trail: Patrick Ching
- 2-C: Salt Lake/Sand Island: Peter Donaldson
- 2-D: Alewa Heights Trail/Kamehameha Schools Campus/Kamehameha Heights: Chuck Burrows, Gerry Johnson, Haili Camarillo, Mark Silva
- 2-E: Nu'uuanu Valley: Paul Conry
- 3-A: Round Top Drive/Tantalus Drive/Pu'uualaka'a State Park: John and Donna de Haan
- 3-B: Manoa Cliffs Trail/Pauoa Flats Trail: Peter Donaldson, Mayra Vega
- 3-C: Makiki Loop Trail/Kanealole Trail/Maunalaha Trail: Patrick Conant, Stephanie Nagata
- 3-D: Punchbowl/Lower Makiki: George Campbell, Susan Schenck
- 4-A: Magic Island/Fort DeRussy: George

- Campbell, Susan Schenck
- 4-B: Manoa Valley: Arlene Bucholz, Steve Novak
- 4-C: Wa'ahila Ridge Trail/Kolowalu Trail: Sheila Conant, James Mejeur
- 5-A: Kapiolani Park/Diamond Head: Mike Ord
- 6-A: Palolo Valley: Keith K. Leber, Carol J. Lubbers, Edward Carvalho
- 6-B: Lanipo Trail/Maunalani Heights: Stephen C. Carter, Cecile Plachta-Carter
- 6-C: Kahala/Lower Kaimuki/Wilhelmina Rise/Waiialae Nui/Kapakahi Gulch/Kalani Valley: Clyde Imata, Regina Kawamoto
- 6-D: Hawaii Loa Ridge Trail/Aina Haina: Leilani Pyle, Eleanor Koes
- 6-E: Pia Valley Trail/Niu Valley/Kuli'ou'ou Valley (residential)/Kuli'ou'ou Valley Trail/Paiko Lagoon/Mariners Ridge Trail: Tony McCafferty, Andy Cowell
- 7-A: Waimanalo/Bellows Air Force Base: Phil and Andrea Bruner
- 8-A: Aa'elepulu Pond/Ka'elepulu Stream/Lanikai: Janis McCain, Bob Young, Robert L. Pyle
- 8-B: Kailua Beach Park: Glenn Bauer
- 8-C: Kawai Nui Marsh/Hamakua Canal/Kailua Town: Don and Doris Huddleston, Dawn Zeilinger
- 9-A: Kane'ohe (makai)/Mokapu Peninsula (KMCAS)/Moku Manu Island: Lance Tanino, Diane Drigot, Scott Henderson, Aarin Gross
- 10-A: Hawaii Pacific University (Hawaii Loa Campus)/Pali Golf Course/Hawaii Memorial Cemetery: Robert L. Pyle
- 10-B: Ho'omaluhia Botanical Garden: Martha McDaniel, Paul Jacoby
- 10-C: He'eia (marsh, state park, pier)/Haiku Valley/Ahuimanu/Waiola Stream (Kahalu'u): Robert L. Pyle

*'45-045 Malulani Street
Kane'ohe, HI 96744*

Mahalo Atherton Family Foundation

The Atherton Family Foundation has come to the aid of Paradise Pursuits with a \$3,500 grant. These funds will be used to expand the Paradise Pursuits program, which has grown from 16 teams in 1993 to 30 teams for this year's competition.

Scholarship Available

The Hawaii Audubon Society will be awarding one undergraduate tuition scholarship of \$1,460 to a Hawaii resident attending the University of Hawaii for the 1994-'95 school year. This scholarship, named the Rose Schuster Taylor Scholarship, is made available by the Yao Shen Trust, in honor of Rose Schuster Taylor. Terms of the trust require that the recipient be a Hawaii resident, attending the University of Hawaii, whose area of study is related to Hawaiian natural history, especially if it may lead to the better protection of native wildlife in Hawaii.

Applicants should submit the following information: name, address, telephone number, class year, and explain how their academic major relates to Hawaiian natural history. They should also discuss how they plan to apply their academic degree to further study or work experience in Hawaiian natural history, how their course of study will enable them to contribute to the better protection of native Hawaiian wildlife, and if they have made contributions to the study of Hawaiian natural history, especially to anything that might contribute to the protection of native wildlife.

Applicants should attach a transcript of their college or high school records and three letters of recommendation.

Applications should be sent to Phil Bruner, Chair, Scholarships and Grants Committee, Box 1775, BYU-H, La'ie, HI 96762, telephone 293-3820 (W). The application deadline is 1 May.

Oops!

by Robert L. Pyle

In the February 1994 'Elepaio, in the article "Name Changes for Some Hawaiian Birds" on page 10, there is a paragraph reading: "Moloka'i Creeper (*Paroreomyza montana*): change vernacular name to Maui 'Alauahio." This is wrong. It would be presumptuous, even for the A.O.U., to move the Moloka'i Creeper to Maui. The paragraph should be changed to two paragraphs reading:

Moloka'i Creeper (*Paroreomyza flammea*): change vernacular name to Kakawahie.

Maui Creeper (*Paroreomyza montana*): change vernacular name to Maui 'Alauahio.

This will make both creepers feel better. Pardon our slip.

Paradise Pursuits TV Dates Set

Leslie Wilcox will host the Paradise Pursuits semi-finals and finals, to be broadcast on KHON-TV2. This year, 30 Hawaii high school teams are participating in the environmental quiz show sponsored by the Hawaii Audubon Society, with funding from Hawaiian Electric Company and the Atherton Family Foundation. Air transportation is provided by Aloha Airlines. Air times are:

Semi-finals: Saturday, 23 April, 2:30-3:00 p.m. and Sunday, 24 April, 3:30-4:00 p.m.

Finals: Tuesday, 26 April, 7:00-7:30 p.m., rebroadcast Sunday, 1 May, 3:30-4:00 p.m.

Specimens Sought

The Honolulu Field Station (HFS), which investigates the role of disease mortality in native avifauna, is seeking reports of unusual and/or excessive mortalities of wildlife in the Hawaiian Islands.

Established in 1992, the HFS conducts routine post-mortem examinations on a variety of avian, mammalian, and reptilian species and conducts diagnostic evaluations, such as microscopic pathology and microbiology. It also assists federal and state agencies in monitoring free-ranging wildlife populations for presence of disease in Hawaii and the Pacific.

Persons wishing to submit a fresh carcass to the HFS should call Dr. Thierry Martin Work, wildlife disease specialist, at 541-3445 on O'ahu for instructions.

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).

Volunteers Needed—Please Sign Up

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:

Laysan Albatross Breeding Colony Project. This project is located on Kaohikaipu Island (Black Rock) off the windward coast of O'ahu, near Makapu'u Point. The project is using decoys and recordings to attract young albatross looking for a suitable nesting place. Volunteers are needed to monitor the albatross by using a spotting scope which has been set up at Sea Life Park. They will watch for signs of returning live albatross and record their behavior. To assist in this project call Steve Carter at the HAS office, 528-1432.

Paradise Pursuits Preliminaries. Enjoy a ringside seat at the Paradise Pursuits preliminaries by assisting with the competitions. Scorers and timers are needed for the following:

Hawai'i, 12 March, call Marie Morin, 329-9390 (H), or Sheila Laffey on O'ahu, 528-1432.

O'ahu, 5 March and 2 April, call Emily Gardner, 734-3921 (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).

Awards Party. Help coordinate the first annual HAS membership awards party. Duties include helping with general planning, following up on reservations, staffing the registration desk, and greeting guests. For more information call Nanea Parks, 593-1047 (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).

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).

The above is only a partial list. If you have a particular skill or interest, call Steve Carter at HAS, 528-1432, or Lynne Matusow, 531-4260 (H). Who knows, maybe we have the right opening but haven't publicized it yet. All of the above are volunteer positions. Hawaii Audubon does not have paid staff.

HAS President Seeks Seat on National's Board

The HAS Board of Directors has nominated chapter President Reginald E. David for a position on the National Audubon Society Board of Directors. If selected, he would represent the chapters in the Alaska-Hawaii-Marianas region. Nine seats on the NAS board are filled by chapter representatives. Three of these positions are filled annually. Charles Evans from Alaska, who is the incumbent, is ineligible to seek another term.

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.

Hawaii Audubon Society

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

Board of Directors

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Committees

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Education: Emily Gardner (as above)

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Finance: Joyce Stanney (as above)

Grants & Scholarships: Phil Bruner,
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Publicity:

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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, 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.

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)

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Delivery to non-U.S. addresses:

Mexico (airmail only) 16.00

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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.)

(calendar continued from page 18)

Marsh levee at Kailua Road and Hamakua at 8:30 a.m. Bring hat, sunscreen, water, and binoculars. For more information call Lance Tanino, 247-5965 (H). Suggested donation: \$2.00.

Monday, April 18

General Membership Meeting, Paki Conference Room, Bishop Museum, 7:30 p.m. Details to be announced in the April 'Elepaio. Refreshments will be served.

April 23, 24, 26, and May 1

KHON-TV2 broadcast of Paradise Pursuits competitions. See story on page 16.

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.

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.

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.

'ELEPAIO

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Robert Pyle, Alan Ziegler

The 'Elepaio is printed on recycled paper.

Calendar of Events

First Monday of Every Month

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

First Thursday of Every Month

Monthly meeting of the Education Committee, 7:00 p.m., at the Coffee Line, 1820 University Avenue (in the YWCA). To join or for more information call Emily Gardner, 734-3921 (H). The Committee is actively seeking new members and needs scorers and timers for the Paradise Pursuits preliminaries. For information on the preliminaries see the Volunteers Needed article on page 16.

Sunday, March 13

Field trip, Manoa Cliffs Trail. John and Donna de Haan will lead this 1/2 day hike on Tantalus.

This trail features many native plants and native birds such as 'Amakihi and 'Apapane. Bring water, snacks, rain gear, and binoculars. Meet at the State Library on Punchbowl Street at 7:30 a.m. or the entrance to Pu'u Ualaka'a State Park on Round Top Drive (just past the Manoa lookout) at 8:30 a.m. For more information call Donna de Haan, 941-9817 (H), or Lance Tanino, 247-5965 (H). Suggested donation: \$2.00.

Monday, March 14

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

Sunday, March 27

Field trip, Kawai Nui Marsh. Half day hike led by Ronald Walker to view waterbirds. Meet at the State Library on Punchbowl Street at 7:30 a.m. or the entrance to the Kawai Nui

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