

November 2021 Newsletter

Next up on Zoom
(link: biarc.net; BIARC ListServe)

Saturday, Nov. 13
Noon: BIARC Board meeting
2 p.m.: Annual membership meeting

Big Island Amateur Radio Club

Isle hams bid aloha to pair of legends

Dean Manley, KH6B, was Pacific SM from Apr 1996 to Mar 1998. (Now SK)



Dean Manley, KH6B, SK, founded the Hawaii QRP Club.

Rick Gardner, WH6LU, spent a lot of quality time with Dean – in person and on the air-waves – over the years. He always refers to Dean as “the best of the best, especially with QRP” and calls him “Mr. QRP!”

“Dean held the ARRL A-1 Operator Award, was a QRP/antenna enthusiast and CW enthusiast, president of the Hilo Amateur Radio Club, founder of the Hawaii QRP Club, an elmer and a mentor, and a past ARRL Pacific Section manager,” said Rick.

Ted Brattstrom, NH6YK, and
Dean Manley, KH6B, SK



Stories by Barbara Darling, NH7FY

Dean W. Manley, KH6B, died at his Hilo home on Oct. 22 at the age of 89. He was born in 1932 in Michigan, but lived many years in Hawaii.

He was a retired machinist and electrical technician for the Hawaii Tribune-Herald in Hilo. Private services were held.

A ham radio operator for 71 years, Dean founded the Hawaii QRP Club KH6AA (Registered with ARRL on July 20, 2000).

They met every

Courtesy photos provided by
Barbara Darling, NH7FY;
Hank Kaul, KH6HAK;
Rick Gardner, WH6LU.

Theodore Allen “Mr. B.” Brattstrom, 68, died Oct. 2 at home in Volcano. Born in Santa Monica, Calif., he was a science teacher at schools in Pearl City on Oahu and in Keaau and Ka’u on Hawaii Island.

Better known to us as Ted NH6YK, he was a previous president and long-time member of BIARC from Volca-



Ted Brattstrom, NH6YK, SK, on a trip to visit his penguin pals down south.

Hank Kaul, KH6HAK, has fond memories of Ted the ham back in the day when they both worked on Oahu – Hank as engineer at a television station and Ted as a professional science geek. Hank used to listen to Ted talk to the Russian cosmonauts overhead as he commuted in to work at the high school.

“Ted would keep track of the orbiting cycle and contact them as they passed by,” Hank recalled. “And they probably were a bit bored and had time to chat.”

Hank reminisced about NH6YK: “Ted talked to



Ted and wife, Lisa King, NH6YU.

the Russian space station on two meters while he was mobile on the way to work.

“One contact he bragged about was being mobile, deep in Nuuanu Valley, when the space station passed overhead.

See KH6HAK, next page

Continued on next page

Stories continued from Page 1

KH6HAK remembers the 'Zen Penguinist'

"Ted was one VE for my 1999 upgrade to Amateur Extra class and I took the test in his Pearl City high school classroom. I remember the room was full of science curios, and I remember one weather radiosonde hanging from the ceiling above me," Hank said.

"In 2000 Ted was unable to attend Field Day, so he downloaded a bunch of satellite data and prodded me to try for my first satellite contact for Field Day. So he was my 'satellite mentor/elmer'.

"And Ted loved penguins! He sometimes referred to himself as the 'Zen Penguinist'".

NH7FY remembers KH6B

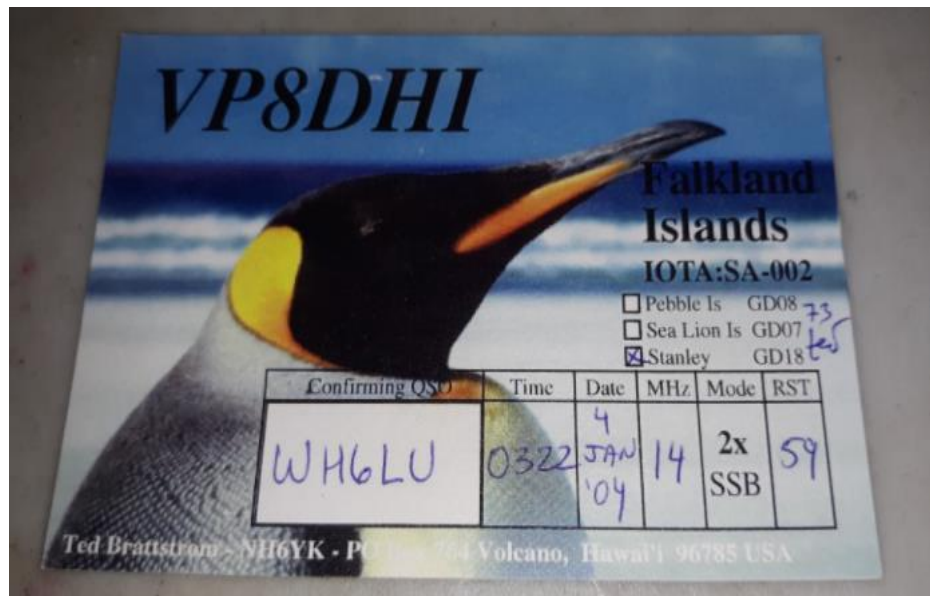
morning between 6 a.m. and 8 a.m. at the Jack-in-the-Box Restaurant in Hilo. He always had the corner table and always registered anyone who attended that day.

My husband, Richard AH7G, SK, and I were there many mornings to join him and to meet the local and visiting ham radio operators. He is survived by his wife, Janet, and daughters Angela Toledo and Deanna Manley, all of Hilo, and other relatives off-island.

In 2003 Dean asked Richard and me if we would be interested in working at Hertz Rental Car. Dean and Ben Blatt NH7D worked there and they were giving bonuses to employees who brought in new workers. So Richard and I started working with Dean in 2003 and retired after 10 years of driving.

73 and aloha, Dean. We will miss you.

Barbara Darling, NH7FY



WH6LU has a large collection of QSL cards. Among his many favorites are these proof-of-contact mementos from the Falkland Islands and Midway Atoll when Ted was operating from those sites.

NH7FY remembers NH6YK

no. Richard AH7G and I met Ted on the first of our three trips to Midway Island.

Ted, at the time, was a science teacher at Pearl City High School, where the administration allowed him to put an antenna on the roof of the school. And off his classroom was a supply room where he had his ham radio set up.

We visited him at the school, where he and Richard spent hours in the back-room hamshack while I sat in the classroom looking at his school books. On one of our trips to Midway we met his wife, Lisa, as she was a ranger out there.

During one of our meetings, Ted told us that he wanted to move to the Big Island but needed a teaching job. We heard of an opening at one of the charter schools and sent the info to him. He ended up getting the job, but

only spent a short time there before getting into the Keaau school. I used to go to the Keaau school to drop off his QSL cards that came in through the QSL Bureau.

One time we had Ted come for dinner, right after we had moved to HPP. Knowing that he was a science teacher I asked him what kind of bird we were hearing, especially at night. He laughed at us and told us that that was our first coqui frog. He was right, for we ended up being blessed with a lot more of them later.

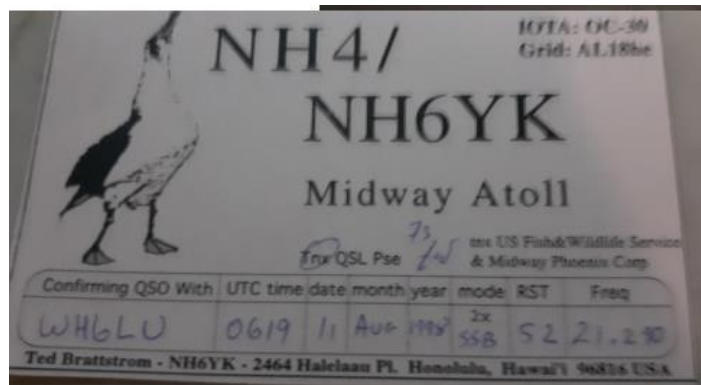
After leaving the Keaau school, he ended up teaching in Ka'u.

Many did not know that Ted was a penguin enthusiast. We did not realize it until one time we took Ted to the airport and he was carrying a stuffed penguin that he took on his travels. Ted also had been a Peace Corps volunteer to Nepal. He was an avid amateur astronomer and enthusiastic traveler.

The last time that we saw Ted in person was when he and Lisa attended a birthday luncheon at Kilauea Lodge in 2015 for Richard and his daughter, Barbara. When Richard passed away in August 2019 I had a message from Ted and Lisa.

Ted will be missed not only by the ham radio community but also by his students, as they meant the world to him. He is survived by his wife, Lisa King, NH6YU, of Volcano, and mother, father and brother in California.

**73 and aloha, Ted. We will miss you.
Barbara Darling, NH7FY**



Notes from Oct. 9 BIARC Zoom session

Why ARES?

§97.1 (Amateur Radio Service) Basis and purpose.

The rules and regulations in this part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles: (a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, **particularly with respect to providing emergency communications.**

- As Amateur Radio Licensees we have a legal responsibility to provide emergency communication in the face of an emergency;
- ARES provides the framework for Amateur Radio Licensees to perform this responsibility in an organized and efficient manner.

What is ARES?

- ARES is managed by the ARRL Field Organization (a system of volunteer managers and technical resources) and works primarily with local public safety groups and nongovernmental agencies.
- Consists of licensed amateurs who have voluntarily registered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disasters strike.
- Every licensed amateur, regardless of membership in ARRL or any other local or national organization is eligible to apply for membership in ARES. Training may be required or desired to participate fully in ARES.
- Because ARES is an Amateur Radio program, only licensed amateurs are eligible for membership. The possession of auxiliary-powered equipment is encouraged so stations can still operate when the electrical grid goes off-line.

What is ARES?

- The primary mission of Hawaii ARES is to provide skilled volunteers with communications to our served agencies and for our communities where we live.
- By using the digital communications provided by Winlink gateways using VARA FM, VARA HF, Pactor, Packet or Telnet.
- Also be able to use voice message handling through hub and spoke.
- Provide health and welfare traffic.
- Resilient systems as Amateur Radio Emergency Digital Network (AREDN) MESH are being implemented and Starlink internet satellite

What We Do in an Emergency or Disaster Clem Jung (KH7HO)

- We provide communications when land line phone, cell phone, internet, commercial broadcast stations and public safety radio systems have failed, e.g., a category 4 Hurricane Maria that devastated Puerto Rico in September 2017 and the category 4 Hurricane Iniki impacted Kauai on September 11, 1992.
- Handle messages both verbally and digitally:
 - Winlink Messages
 - ICS-213
 - Weather Reports
 - ARC Hawaii Hurricane Daily Shelter Report
 - Damage Reports
 - Situation Reports
 - Requests for Assistance
 - Winlink DYFI Reports
 - Hawaii County Winlink Reports
 - Health & Welfare Messages

Building an EMCOMM Team

- Proficiency in Winlink
- Be proficient in passing messages via voice and digital (Winlink)
- Able to operate off the electrical grid on auxiliary power
- Be able to operate as a net control station (NCS)
- Independent Studies Free Internet Courses:
 - IS-100 (Introduction to ICS)
 - IS-200 (ICS for Single Resource and Initial Action Incidents)
 - IS-700 (NIMS, An Introduction)
 - IS-800 (NRF Introduction)
- AUXCOMM (Auxiliary Communications)
- ARRL:
 - EC-001 (Introduction to Emergency Communications)
 - EC-016 (Public Service and Emergency Communications Management for Radio Amateurs)
- SKYWARN

Building an EMCOMM Team (Cont.)

- Weekly ETO Thursday Winlink Exercises
- Bi-weekly Winlink Exercises by Michael (KH6ML)
- Bi-weekly Winlink Nets by Van (NH7IT)
- National Wide ETO Spring Drill – Saturday, May 8, 2021
- Makani Pahili Hurricane COMMEM – Saturday, June 19, 2021
- Stimulated Exercise Test (SET) Tsunami COMMEM – Saturday, October 2, 2021
- Hawaii Great ShakeOut – Saturday, October 16, 2021
- ETO National Wide Winlink Drill – Saturday, November 13, 2021

Served Agencies

- National Weather Service
- Hawaii Emergency Management Agency
- Hawaii County Civil Defense Agency
- Maui Emergency Management Agency
- City & County of Honolulu Department of Emergency Management
- Kauai Emergency Management Agency
- Hawaii Voluntary Organizations Active in Disasters (VOAD)
- American Red Cross – Pacific Island Region
- Honolulu Board of Water Supply
- Our communities



Amateur Radio Emergency Service (ARES) Presentation to BIARC



By
Clem Jung (KH7HO)
Pacific Section Emergency Coordinator (SEC)
&
Joe Tabrah (KH6FHI)
Assistant Section Emergency Coordinator (ASEC)
October 9, 2021

ARES Activation

- We can send out an email blast to our ARES member of a pending disaster and be ready to activate and respond to the request of a served agency.
- We can email the ARES leadership prior to an event.
- We can call the ASECs and DECs by cell phone prior to an event.
- We are in the process to improve our notification/activation procedure.

Amateur Radio Technology

Joe Tabrah (KH6FHI)

- Winlink – Amateur radio email system; we can send messages via VARA FM, VARA HF, Pactor and Packet gateways; can send attachments, templates, pictures just like regular email but via radio frequencies; or if the gateways fail, we can still send messages via VARA FM or VARA HF Peer-to-Peer
- Hawaii VARA FM gateways (several can also do packet)
 - 3 on Kauai
 - 12 on Oahu
 - 4 on Maui
 - 7 on Hawaii
- Hawaii VARA HF gateways (several can also do Pactor)
 - 3 on Kauai
 - 2 on Oahu
 - 1 to be relocated in Hawaii

Amateur Radio Technology

- VARA FM gateway recent developments
 - Variable scanning 5 frequencies at key gateways on Oahu and the State
 - 145.010
 - 145.030
 - 145.050
 - 145.070
 - 145.090
 - Development of PinPoint APRS
 - Peer to Peer (digital RF simplex) and digipeating using gateways or users' stations, up to two hops
- Amateur Radio Emergency Data Network (AREDN) Mesh is high-speed data communications for emergency communications (EMCOMM) via Amateur Radio.
- Use microwave frequency to link up with each other and with the various gateways so if someone in the AREDN Mesh has internet, we can still send messages via Winlink.
- Next year we hope to have Starlink satellite internet capability install on the four major islands to build resilience and strengthen the Hawaii AREDN Mesh system.
- VOIP phone system via the AREDN Mesh system – with over 135 phone extensions with Ham radio operators.

ARES Today in Hawaii

Tony Kitchen (WH6DVI) newly appointment ASEC for B.I.

- ARES organization on the Big Island with 4 DECS
 - North Hawaii District: Jim Sugg (AH6AE)
 - CEC: Norm Cohler (NH7UA)
 - CEC: Denning Powell (WH6GDC)
 - East Hawaii District: Darrell Asuka (KH6RDO)
 - ADEC: Bob Schneider (AH6J)
 - CEC: Leslie Hittner (KOBAD)
 - CEC: Gary Miller (KK6GM)
 - CEC: Vacant
 - West Hawaii District: Dewey Proletti (NH6M)
 - CEC: Jim Williams (WH6TAT)
 - South Hawaii District: Paul Duçasse (WH7BR)
 - CEC: Ronald Ebert (AJOT)

Any Questions?

Contact
Clem Jung (KH7HO)
Pacific ARES Section Emergency Coordinator
E-mail: kh7ho@arrl.net
Hawaiiares.net

Joe Tabrah (KH6FHI)
Assistant Section Emergency Coordinator

Enjoy two weekends of fun during the ARRL November Sweepstakes

The ARRL November Sweepstakes (SS) weekends loom large on the amateur radio contest horizon. The CW weekend is Nov. 6-8, while the phone weekend is Nov. 20-22. Both events begin on Saturday at 2100 UTC and conclude on Monday at 0259 UTC.

The SS offers operating categories for every preference. The goal for many seasoned SS operators is to complete a "clean sweep" by contacting all 84 ARRL and Radio Amateurs of Canada (RAC) Sections. Canada's Prince Edward Island province joined the list last year.

Most SS operators try to run up the contact and multiplier counts and stay in the chair for the full 24 (out of 30) allowable hours. The competition can be fierce, and the pileups can be huge. In 2020, ARRL received 1,445 logs for the CW event and 2,046 for the phone event.

Some Sections are harder to contact than others. Northern Territories (NT) is always a challenge, but there's a slim chance that snagging NT could be easier this year. Gerry Hull, W1VE (also VE1RM), is hoping to operate as VY1AAA for both weekends, using "J" Allen's,



VY1JA, Yukon Territory station remotely from the US.

Now in his mid-70s, Allen essentially retired from ham radio a few years ago due to health issues, but he's bounced back this year with renewed enthusiasm and working to get a station and antennas ready for Hull to operate. At this point, he's sorting through a backyard scrap pile that includes tower sections he had up in the past. He wants to get 80-100 feet assembled and clamped to a sturdy utility pole. Hull says Allen is committed to the task.

"VY1JA is now in reconstruction," Allen says on his QRZ.com profile. "There is only a small chance that it will be done and on the air for SS CW this year. If so, signals may be weaker than in the past, with only a 100 W Omni VII and wire antennas. Plans for building an amp failed, and antenna work has taken far longer than expected." Hull said if Allen does manage to erect the antenna support tower, VY1AAA will have inverted V antennas for 20 and 40 meters, which Hull considers "the money bands from Yukon on CW." "So, hoping for good weather and good health for J, and then we might have VY1AAA on for the masses for SS CW," he said. Hull said if the CW weekend is successful, he'll consider also operating in the phone event.

[HawaiiARES] [SEC-ARES] WINLINK BASICS for EMCOMM Virtual Classes - Sundays Nov 14th, 21st, Dec 5th, 12th - 2pm PDT

FYI - We all have another opportunity for free Winlink training via Zoom. Please see the email below.

73

Tony Kitchen, WH6DVI

ARES, ASEC - Hawaii County

----- Forwarded message -----

From: **David Ahrendts, KK6DA** via groups.io <DavidAhrendts@me.com@groups.io>

Date: Thu, Nov 4, 2021 at 1:45 PM

Subject: [SEC-ARES] WINLINK BASICS for EMCOMM Virtual Classes - Sundays Nov 14th, 21st, Dec 5th, 12th - 2pm PDT

To: <SEC-ARES@groups.io>

Learn the basics of this powerful emergency communications tool in [four, no-charge Zoom class sessions](#) taught by four members of ARES Los Angeles -- KK6DA, W0DHG, NR6V, W6AH. Each 60-90-minute class will demo what you need to use Winlink over-the-air, and is accompanied by a series of video shorts you can review at your own pace. All classes will be archived at WAVETALKERS.COM to view again and again.

If you can do email, you can do email by amateur radio with powerful built-in EMCOMM forms to assist your served agencies. Open to all licensed amateur radio operators. Please feel free to forward to anyone or any group who will find learning the basics of Winlink a valuable experience from people who experiment with the future of EMCOMM frequently. We'll cap it at a sizable limit.

Sign up here: cq.wavetalkers.com/winlink4emcomm — Pre-class questions to KK6DA directly off-list DavidAhrendts@me.com

BIARC Executive Board Meeting

October 09, 2021

A Begin Meeting

- **Call to Order**

The meeting was called to order at 12:00 pm by Board President William Polhemus

- **Quorum Call**

Present: William Polhemus, Tony Kitchen, James Sugg, Jim Huntley, Paul Ducasse, Robert Schneider entered the meeting late.

Absent: Leslie Hittner

Guests: Jimmy (WH8GEM), Gary (WH6EP5), Joe (WH6FZH), Alan (KH6ATU), Roy (WH6FYK), and possibly others.

- **Secretary's Report and Minutes (08/14/21)**

William moved and Tony Kitchen seconded that the September BIARC Board Minutes be approved as published. Motion **passed**.

- **Treasurer's Report**

William moved and Jim Sugg seconded that the Treasurer's Reports be approved subject to audit. The motion **passed**.

B Committee Reports

- **Digital Systems** – There was no written report. The committee did not meet.

- **Education and Outreach** – Despite what the agenda said, there was no written report. The committee did not meet.

- **Operating Activities** – There was no written report and no action items. It looks like Winter Field Day will be the next major event.

- **Program** – There was no written report and no action items. Between this committee and the Operating Activities Committee there was some discussion of a Club Build project. – perhaps outside of the Monthly Club Activity on some alternate Saturday. No official action was taken by the board and the Operating Activities Committee will continue to work toward a solid proposal for a future "Club Build" project.

- **Public Service Communications** – There was a written report. There were no action items. Tony Kitchen has been appointed as Assistant SEC for Hawaii County and William Polhemus has been appointed to the "Government Liaison" position.

There was considerable discussion about ARES, ICS message forms, and thoughts about how ARES information should be distributed throughout Hawaii County, and several board members offered suggestions to the PSCC Chair, but no formal action was taken.

Continued on next page

- **Voice Repeaters** – There was no written report and no action items.

There were no action items. Work on repeater infrastructure changes continues. The DR1-X that was at Paul Agamata's QTH has been recovered and can now be placed into the official BIARC inventory. That will complete the inventory of equipment, which will allow completion of the listing for the insurance company. The repeater is now in William's office at the Community College. At this point, William indicated that his vision of an expanded Fusion repeater infrastructure might now begin to move forward. William also has a fiber optic-based Internet connection in Hilo (Schultz Siding, 630 E. Lanikuala street, near the HECO generating plant on Railroad Avenue) – paid for by his company - and is willing to donate bandwidth from that connection to the expansion of BIARC communications infrastructure projects (remote administration, Wires-X repeater connections, DMR repeater interlinking, etc.) Pepeekeo and Kulani will be directly linked for now and the state site near UHH will not be used until some issues have been resolved. William will pipe the internet connection to Pepeekeo, where it will be connected to a BIARC switch/router. This will eliminate the need for some of the linking equipment that had previously been authorized by the board.

C Old Business

D New Business

- **Establish a Nominating Committee for the November Member Business Meeting.**

William **moved** and Jim Huntley **seconded** that an Ad Hoc Elections Committee lead by Paul Ducasse and that this committee be made up of impartial volunteers recruited by Paul, and that task of the committee is to recruit candidates willing to run for election to fill the three expired board-member terms. The motion **passed** with no objections.

Members whose terms have expired include **Jim Huntley, Tony Kitchen, and Robert Schneider.**

- November Meeting Agenda normally includes officer reports and committee chair reports.

William **moved** and Paul **seconded** that the November meeting agenda not include any ballot measures other than board member elections. Motion **passed** with no objections.

Agenda will begin with **elections** and end with **reports** followed by an open **discussion.**

From previous page

E Other Business

F Member Input

Jimmy Love asked about recruiting opportunities and suggested the preparation of a recruiting go-pack with prepared information and handouts and a table and chairs. He also expressed concern about recruiting young people into the hobby.

There was considerable discussion on recruiting young people into the hobby.

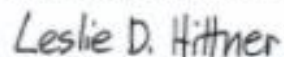
There was concern about recording "Emergency Alert" message.

G Adjourn

There being no further business, William adjourned the meeting at 12:55 pm.

The Secretary was not present at the meeting. These minutes were prepared from a ZOOM recording of the meeting.

Respectfully Submitted,



Leslie D. Hittner, Secretary

Tony Kitchen, WH6DVI

2021 BIARC Treasurer

Treasurer Report: (As of 10/7/2021)

- We have received 2021 dues payments from a total of 78 members. Dues and donations collected for 2021 total \$3,058.89 to date.
- No disbursements were made since the last report.

Cash Balances:

| | | |
|------------------------|----------------|------------|
| Bank of Hawaii Balance | | \$4,407.15 |
| Deposit Pending | | 6.00 |
| Namecheap Balance | (Website Host) | \$1.00 |
| PayPal Account Balance | | \$1,174.40 |

Fund Balances:

| | |
|--------------------|-------------------|
| Repeater fund | \$2,526.97 |
| Emergency Reserves | \$1,000.00 |
| General Fund | \$2,061.58 |
| Total Funds | \$5,588.55 |

BIARC 2021 Budget & Operating Statement

| | <u>2021 Budget</u> | <u>Actual- 1/1/2021 To 10/07/2021</u> |
|---|--------------------------|---|
| Income: | | |
| Dues | \$1,500.00 | \$1,451.00 |
| Repeater Fund Donations | \$500.00 | \$1,595.00 |
| On-line Payment Fees* | | \$12.89 |
| Total Income | <u>\$2,000.00</u> | <u>\$3,058.89</u> |
| Expenses: | | |
| Club Liability Insurance | \$325.00 | \$323.20 |
| Club Equipment Insurance | \$200.00 | \$186.85 |
| Donations (PCC) | \$25.00 | \$0.00 |
| Equipment | \$600.00 | \$168.39 |
| Field Day | \$370.00 | \$96.25 |
| Printing (Membership Booklet) | \$100.00 | \$0.00 |
| Annual Build Project | \$50.00 | \$0.00 |
| P. O. Box Fee | \$190.00 | \$113.00 |
| VOAD Dues | \$50.00 | \$25.00 |
| Office Supplies/Bank Fee/Misc. | \$40.00 | \$3.50 |
| Website Costs | \$50.00 | \$45.04 |
| Total Expenses | <u>\$2,000.00</u> | <u>\$961.23</u> |
| Excess (Deficit) | | \$2,097.66 |
| Bank of Hawaii Balance as of: 10/07/2021 | | |
| | | \$4,407.15 |
| Deposit Pending | | \$6.00 |
| Namecheap Balance | | \$1.00 |
| Paypal Account Balance | | \$1,174.40 |
| Fund Balances: (8/10/2021) | | |
| Repeater Fund | \$2,526.97 | |
| Emergency Reserves | \$1,000.00 | |
| General Fund | \$2,061.58 | |
| Total Funds | <u>\$5,588.55</u> | |

* 10% Convenience fee for on-line dues payments minus processing fees.