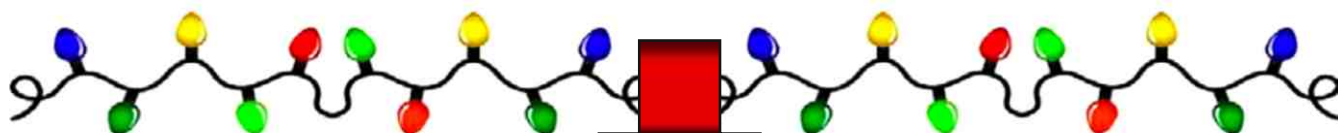


December 2015 Newsletter

Big Island Amateur Radio Club



Rudolph sez: Be there, or B²!

Get on the air Dec. 5 for SKYWARN Recognition Day

The 17th annual SKYWARN Recognition Day (SRD) on-the-air event is set for Saturday, December 5, from 0000 UTC to 2400 UTC.

Cosponsored by ARRL and the National Weather Service, SKYWARN Recognition Day pays tribute to Amateur Radio operators for the vital public service they perform.

Registration is now open for stations planning to participate from a National Weather Service (NW) Forecast Office; a list of NWS participating offices is on the

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PARTY!
12/12
2 p.m.
Keaau

Installation of officers, food, friends, fellowship on tap at December club meeting at Keaau CC

All past and present BIARC members, family and friends are invited to share holiday aloha at the club's annual Christmas party. The theme of the celebration: "Reminisce, laugh and eat!" This East Hawaii tradition will be observed during our December meeting. The festivities will get underway at 2 p.m. Saturday, Dec. 12, at the Keaau Community Center.

Officers and directors elected at the November meeting will be installed. They are President Bob Schneider, AH6J; Vice President Peggy Gentle, KE6TIS; Secretary Beau Mills, NH7WV; Treasurer Doug Wilson, KH7DQ; Directors Bill Hanson, N0CAN; Barbara Darling, NH7FY; Richard Darling, AH6G; Ted Brattstrom, NH6YK, immediate past-

president; and returning Directors Gus Treewater, K2GT; Dennis McCartin, WH6ELY, and Paul Ducasse, WH7BR.

The 2016 BIARC Program Committee will be headed by John Bush, KH6DLK; and Les Hittner, K0BAD.

The Repeater Committee will be headed by Chair Bill Hanson, N0CAN. He will be assisted by Paul Ducasse, WH7BR; Paul Agamata, WH6FM; Bob Schneider, AH6J; and Lopaka Lee, WH6DYN.

The 2016 Field Day Committee will be chaired by Peggy Gentle, KE6TIS.

Hospitality Committee chairs will be determined at the December meeting.

Bring potluck pupu,

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SKYWARN: From Previous Page

NWS SKYWARN Recognition Day web page. During the 24 hour event, Amateur Radio operators set up at NWS offices contact other hams across the country.

This event is also aimed at strengthening the bond between Amateur Radio operators and local NWS offices.

SKYWARN Recognition Day is not a contest. During SKYWARN Recognition Day amateur stations exchange contact information with as many National Weather Service-based stations as possible on SSB, FM, CW, RTTY, and AM on 80, 40, 20, 15, 10, 6, and 2 meter bands plus 70 centimeters. Repeater contacts are permitted.

Stations exchange call signs, signal reports, location, and a one or two-word description of the weather (eg, sunny, partly cloudy, windy, rainy). Procedures are detailed on the NOAA SRD web page.

The volunteer SKYWARN program comprises nearly 290,000 trained severe weather spotters -- many of them radio amateurs -- who identify severe storms and provide NWS forecasters with reports of local weather conditions during severe weather events.

To learn more, visit the SKYWARN Recognition Day website:

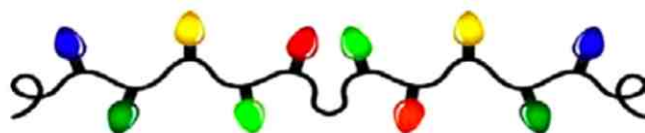
<http://www.wrh.noaa.gov/mtr/hamradio/>

146.52 MHz simplex frequency is cleared for ARRL contests

The ARRL Programs and Services Committee earlier this year adopted a recommendation from its VHF and Above Revitalization Committee to remove the rule prohibiting the use of 146.52 MHz simplex for making contest contacts. The change becomes effective in 2016, starting with the ARRL January VHF Contest.

VHF and Above concluded the restriction

was no longer necessary, and that permitting the use of 146.52 MHz would allow new/curious contesters possessing only FM-mode radios to stumble upon more contacts, increasing their chances of being drawn further into VHF+ contesting -- the primary aim of the Revitalization Committee.



PARTY: From Previous Page

salad, veggie side dish, dessert or your family's famous "signature dish."

The club will provide turkey, ham, plates and utensils and some beverages.

The meal will be coordinated by our dedicated, hard-working Hospitality Committee co-Chairs Nancy Lakin, WH6DYY, and Sharon McCartin, WH6ELV.

Let them know by **Monday, Dec. 7**, what variety of potluck dish you will bring, so they can make sure the buffet will be complete. **Call 985-9438 or 769-7777 and leave a message no later than that date, or email Nancy at flutterby2tu@gmail.com.**

Sharon and Nancy need a head count in advance to properly plan the event.

BIARC folks enjoy annual Waimea trek for Hamfest

Jim Tiemstra, vice director of the ARRL Pacific Division, was the guest speaker Oct. 24 at the Original Big Island of Hawaii International Hamfest and Swap Meet in Waimea.

The session was held at the Waimea Community Center.

The non-commercial event promotes the trading of equipment and information between hams and the general public, as well as the open exchange of exploring ham radio as a hobby.



Hamfest photos by Barbara Darling, NH7FY
Jim Tiemstra, vice director, ARRL Pacific Division, at the hamfest in Waimea.



President Ted Brattstrom and sweetheart Lisa.

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Richard Darling, AH7G, Bob Schneider, AH6J, and Don Stribling, KH6DX.



David Shearer, WH6AWH, at right, and Jim Tiemstra, K6JAT.



Sean Fendt, KH6SF, and Kim Fendt, WH6KIM.

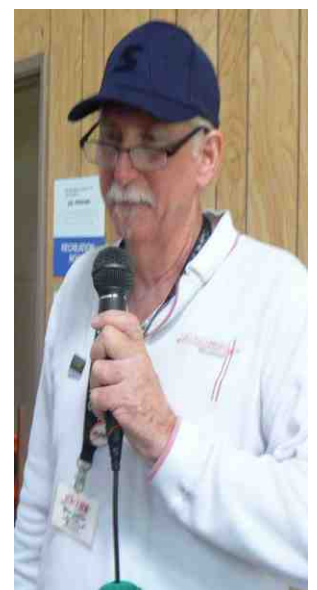
***Hamfest
photos by
Barbara
Darling,
NH7FY***



Steve Milner, WH6N, and Van Mallan, NH7IT, at the Hamfest in Waimea.



Joe Crable, KH6AX.



Stu Johnson, KH7DX.



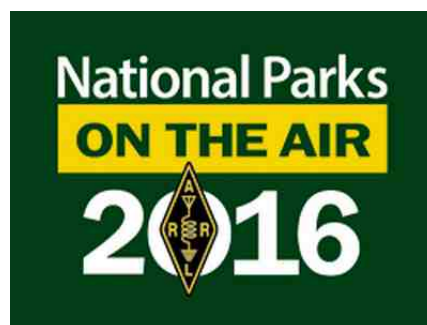
The 2016 National Parks on the Air map is personalized with your Amateur Radio call sign. The price is \$25, including US shipping.

National Parks on the Air (NPOTA) Map available

In cooperation with ARRL, CQmaps has introduced a 2016 National Parks on the Air (NPOTA) map.

The full-color map includes all NPOTA units within the US, including Alaska, Hawaii, Puerto Rico, US Virgin Islands, Guam, Saipan, and American Samoa.

All sites are clearly labeled and include the park name along with the ARRL park



designator.

Each 24 × 36 inch map is offered in either a laminated heavyweight paper or DuPont

Tyvek. The NPOTA laminated map is well suited for using a dry-erase marker to check off your progress in chasing the parks.

The map is personalized with your Amateur Radio call sign. Price is \$25, including US shipping. Add \$10 for international orders. (<http://cqmaps.myshopify.com/>)

Palmyra DXpedition to Sign On as K5P

When the Palmyra DXpedition gets under way in January 2016, operators will be using the call sign K5P. The Pacific Islands DXpedition Group has been granted permission to activate Cooper Island in the Palmyra Atoll.

Palmyra and Jarvis Islands (KH5) ranks number 9 on ClubLog's DXCC Most Wanted List.

"After many months of planning, securing permits, and negotiating contracts with US Fish and Wildlife and the Nature Conservancy, we are quickly approaching the much anticipated DXpedition to Palmyra," co-leaders Craig Thompson, K9CT, and Lou Dietrich, N2TU, said in a recent news release.



A team of 12 will operate five stations from January 11 through January 26.

Visit <http://palmyra2016.org>

Parity Act passes Senate committee, gains cosponsors

The Amateur Radio Parity Act S. 1685 took an essential step forward on November 18, when the US Senate Committee on Commerce, Science, and Transportation voted to report the bill favorably and without amendment.

It was one of a half-dozen bills that were approved by the committee in a brief markup session. S. 1685 was approved on a voice vote, with two Senators -- Bill Nelson (D-FL) and Brian Schatz (D-HI) -- asked to be recorded as voting "no."

"Our work is not finished on the Senate side of Capitol Hill, although this is a huge step forward," said ARRL President Kay Craigie, N3KN.

She urged ARRL members to continue to write, call and e-mail their Senators about S. 1685 to build up its support for the future, saying, "We know that members' response to the call for a communications blast last week made all the difference for some Senators on the committee."



Nov. 5, US Sen. Al Franken (D-MN) signed on as the second cosponsor of S. 1685.

S. 1685 picked up another Senate cosponsor November 18, when Senator Jerry Moran (R-KS), who sits on the Commerce Committee, signed aboard the bill. "ARRL members in Kansas should contact his office to say thanks," President Craigie said. "Having an additional cosponsor who's on the Committee is especially good news."

On hand to observe the Committee mark-up session were ARRL Hudson Division Director Mike Lisenco, N2YBB; ARRL CEO David Sumner, K1ZZ, and ARRL General Counsel Chris Imlay, W3KD.

President Craigie

encouraged ARRL members in Florida and Hawaii to keep contacting Senators Schatz and Nelson, urging them to change their minds about the legislation. "Don't be harsh or angry," she advised. "Keep it factual and courteous, and don't give up."

On November 5, US Senator Al Franken (D-MN) signed on as the second cosponsor of S. 1685. That legislation and its US House twin, H.R. 1301, call on the FCC to extend the limited federal pre-emption of PRB-1 to cover private land-use restrictions such as deed covenants, conditions, and restrictions (CC&Rs).

H.R. 1301 has 114 cosponsors as of November 18. President Craigie said ARRL members should continue to urge their Representatives to cosponsor H.R. 1301 and to thank those who already have signed on.

The Amateur Radio Parity Act of 2015 page on the ARRL website has more information on how you can become involved.

ARRL reports 1.3 million contacts during Field Day

While propagation was on the sorry side for Field Day 2015, the number of contacts for this year's event rose slightly over 2014 -- a modest 1.1 percent -- and CW contacts account for all of that increase; phone and digital contact numbers

dipped slightly in 2015.

Nearly 1.3 million contacts were logged during Field Day 2015. The number of logs received appears to be an all-time ARRL Field Day record.

This year saw

35,369 participants, down slightly from 2014. A total of 1247 entries claimed the broad classification of "A" (which includes generator, commercial, and alternate/battery-powered entries).

Joining that core group operating in

temporary setups were an additional 315 Class B entries (one- or two-person entries). This indicates that 58 percent of all FD 2015 participants in some way took to the field.



HF privileges open to all hams on 10 meters

All Technician Class Licensees have 10-meter privileges, so try your hand on HF!

The Aloha Chapter of Ten-Ten International Net, Inc. meets on 28.490 MHz, with an alternate frequency of 28.487MHz, every Monday evening at 6:30 p.m. HST. If you don't hear me, don't just listen, call "CQ!"

Help keep 10 meters in amateur radio hands.
Thanks and aloha.

—Irene, NH7PE

Anniversary and Meet the Volunteers events set

We want to wish everyone Happy Holidays from 10-10 International, and especially from the Aloha Chapter of 10-10.

Events run from Jan. 1 0001UTC to Dec. 31 2359UTC.

QSO party entrants may submit a log of contacts with members that have the anniversary year contained in their membership number, for example: this year

was the club's 53rd anniversary, so acceptable numbers, for example, would be 69535 , 65354 and 53126.

Each year, the anniversary number changes, making a new group of members the focus of the event and promoting the use of the 10-meter band.

In the Meet the Volunteers event, entrants may submit a log of contacts

with members listed in the 10-10 News as being 10-10 volunteers. One contact per volunteer is permitted regardless of mode of contact.

In both events, contacts must be made on the 10-meter band with any legal mode (AM, SSB, FM, PSK, CW, etc...). Contacts must be listed in 10-10 number order

and each entry must list the 10-10 number, date, call sign, name, QTH and mode, in that specific order. Certificates will be awarded for the top 10, however all entrants will be listed in the 10-10 News.

Logs must be postmarked no later than Jan. 15, 2016; only members in good standing (with dues paid) are allowed to submit logs. Let's get those logs in and put Hawaii on the map.

73 and aloha,
Irene, NH7PE

News report from our ARRL Section Manager

Your SM went to Pacificon in San Ramon, California. He met ham friends from Oahu. They were KH6DT, AH6CP, KH6FV, KH7HO, AH6KD, KH6DQ & AH6RH. Their picture is on the Pacific Section Webpage. The ARRL

staff estimated that about 5,000 letters were generated and signed to various Congress people asking for support for the Amateur Radio Parity Act. The vice director of the Pacific Division Jim Tiemstra, K6JAT came to the Waimea Hamfest

October 24. We estimate that about 300 letters were generated there. They were all sent to ARRL HQ for hand delivery to the various senators and representatives.

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SM REPORT: From Previous Page

(From Ed Poppe, president of the Marianas Amateur Radio Club. I am sad to report that Lowell "Dale" Lacy, NH2KV, passed away quietly at home on Sunday morning October 20. Please remember his wife, Luann, and his family in your prayers. A memorial service was held in October. **73, Ed, KH2L**)

(Sunday, December 13, is this year's Honolulu Marathon. Start time is 05:00W. On behalf of the Honolulu Marathon Association we are asking for volunteers to provide radio communications for the Start-Line, designated Aid Stations along the race course, the

Finish-Line area and Support Vans. The communication coverage we provide begins around 04:00W and into the afternoon up until about 15:00W. **Gregory Amancio, NH6ZS, honu1@juno.com**)

The ARRL Board Of Directors met over the weekend of July 17-18 in Windsor, CT. The BOD has approved a \$10 increase in the League's annual dues rate, effective January 1. In doing so, the board adopted a recommendation of the Administration & Finance Committee. ARRL basic dues have been held at \$39 a year since 2001. Now would be a really good time to get a life membership before the rate

change on January 1. A life membership is 20 times the yearly rate. A second alternative is to renew for the maximum of three years before the change.

I will not be running for reelection as section manager.

Petitions for candidates are due at ARRL Headquarters by the first of December. See the ARRL webpage for specific instructions. The term of office is two years and the start date of the new term is April 1.

ARRL Pacific Section
Section Manager **Robert L Schneider, AH6J**
ah6j@arrl.org

Ham briefs

World Radiocommunication Conference approves global 60-meter allocation

The Plenary Meeting of the 2015 World Radiocommunication Conference (WRC-15) in Geneva has approved an allocation of 5351.5-5366.5 kHz to the Amateur Service on a secondary basis, with a power limit of 15 W effective isotropic radiated power (EIRP). Under the Nov. 18 decision, some Region 2 countries -- but not the US -- will be permitted up to 25 W EIRP. With this, despite conditions more restrictive than had been hoped at the start of the conference, the Amateur Service has obtained its first new global HF allocation since 1979.

"Brad" Wyatt, K6WR, SK

Past ARRL Pacific Division Director Brad Wyatt, K6WR, of Los Gatos, CA, died Nov. 10 at age 86. An ARRL Life Member, Wyatt served as director from 1994- 2000.

Manhattan-P sites in NPOTA

The departments of Energy/Interior have designated the three sites of the Manhattan Project a National Historical Site, and the 409th official unit of the National Park Service. The Manhattan Project was the name given to the secret World War II effort to develop an atomic weapon. The new NPS unit is eligible for the ARRL 2016 National Parks on the Air (NPOTA) event, celebrating the centennial of the National Park Service. The sites are in Hanford, WA; Los Alamos, NM; and Oak Ridge, TN.



Lloyd Cabral, KH6LC, welcomes ham friends from afar: Ross Tanaka, 9M2AX, and Akito Nagi, KH7A/JA5DQH.

ARRL Foundation Scholarship Program invites applications

The ARRL Foundation is accepting academic year 2016-17 applications from eligible young radio amateurs planning to pursue higher education.

All applicants must be active FCC licensees and submit an online application. More than 80 scholarships ranging from \$500 to \$5,000 will be awarded, plus the prestigious William R. Goldfarb Memorial Scholarship. Visit the ARRL website for details.

US Amateur Radio Bands

US AMATEUR POWER LIMITS

FCC 97.313 An amateur station must use the minimum transmitter power necessary to carry out the desired communications. (b) No station may transmit with a transmitter power exceeding 1.5 kW PEP.

Effective Date
March 5, 2012

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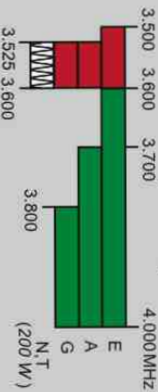


160 Meters (1.8 MHz)

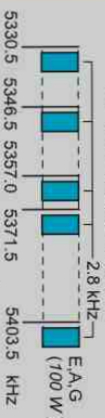
Avoid interference to radiolocation operations from 1,900 to 2,000 MHz



80 Meters (3.5 MHz)

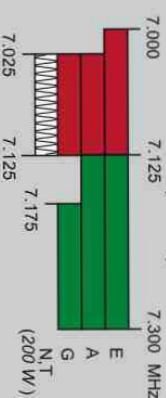


60 Meters (5.3 MHz)



5330.5 5346.5 5357.0 5371.5 5403.5 KHz
General, Advanced, and Amateur Extra licensees may operate on these five channels on a secondary basis with a maximum effective radiated output of 100 W PEP. Permitted operating modes include upper sideband voice (USB), CW, RTTY, PSK31 and other digital modes such as PACTOR III as defined by the FCC Report and Order of November 18, 2011. USB is limited to 2.8 KHz centered on 5332, 5348, 5358.5, 5373 and 5405 KHz. CW and digital emissions must be centered 1.5 KHz above the channel frequencies indicated above. Only one signal at a time is permitted on any channel.

40 Meters (7 MHz)



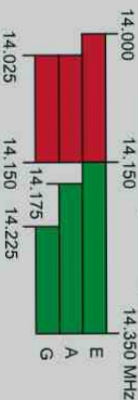
Phone and image modes are permitted between 7,075 and 7,100 MHz for FCC licensed stations in ITU Regions 1 and 3 and by FCC licensed stations in ITU Region 2 West of 130 degrees West longitude or South of 20 degrees North latitude. See Sections 97.305(c) and 97.307(f)(11).
Novice and Technician licensees outside ITU Region 2 may use CW only between 7,025 and 7,075 MHz and between 7,100 and 7,125 MHz. 7,200 to 7,300 MHz is not available outside ITU Region 2. See Section 97.301(e). These exemptions do not apply to stations in the continental US.

30 Meters (10.1 MHz)

Avoid interference to fixed services outside the US.



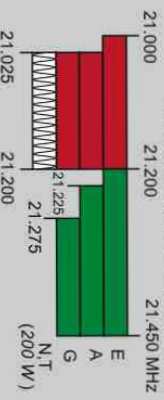
20 Meters (14 MHz)



17 Meters (18 MHz)



15 Meters (21 MHz)



12 Meters (24 MHz)



10 Meters (28 MHz)



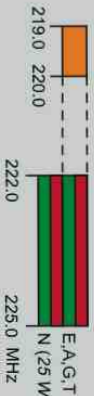
6 Meters (50 MHz)



2 Meters (144 MHz)



1.25 Meters (222 MHz)



*Geographical and power restrictions may apply to all bands above 420 MHz. See The ARRL Operating Manual for information about your area.

70 cm (420 MHz)



33 cm (902 MHz)



23 cm (1240 MHz)



All licensees except Novices are authorized all modes on the following frequencies:
2300-2310 MHz 10.0-10.5 GHz *
2380-2450 MHz 24.0-24.25 GHz 134-141 GHz
3300-3500 MHz 47.0-47.2 GHz 241-250 GHz
5650-5925 MHz 76.0-81.0 GHz All above 275 GHz
* No pulse emissions

KEY

Note:

CW operation is permitted throughout all amateur bands.

MCW is authorized above 50.1 MHz, except for 144.0-144.1 and 219-220 MHz. Test transmissions are authorized above 51 MHz, except for 219-220 MHz.

- █ = RTTY and data
- █ = phone and image
- █ = CW only
- █ = SSB phone
- █ = USB phone, CW, RTTY, and data
- █ = Fixed digital message forwarding systems only

- E = Amateur Extra
- A = Advanced
- G = General
- T = Technician
- N = Novice

See [ARRLweb](http://www.arrl.org) at www.arrl.org for detailed band plans.

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