

July 2016 Newsletter



Big Island Amateur Radio Club



HNL execs talk ARES emcoms; club preps for Field Day

Clem Jung, KH7HO, gives BIARC members an update on ARES, the Amateur Radio Emergency Service, at the June meeting held at Puna Covenant Church in Keaau. Jung is the Pacific Section emergency coordinator for ARRL, a veteran ham and community communications volunteer and a 12-year State Civil Defense employee.



Robert Oliver, NH6AH, made an antenna for Field Day. Here, fellow BIARC members check out the homemade equipment, a 20-meter 3-element beam Spider Moxon, at the June meeting. (See antenna schematics on next page.)

Pacific Section Manager Joe Speroni, AH0A, focuses on ARES WINLINK, drawing upon a March South Texas ARES WINLINK presentation by Tom Whiteside, N5TW, and Brad David, NA5BD.



Photos by Linda Quarberg

ARRL Pacific Section execs Joe Speroni, section manager, and Clem Jung, emergency coordinator, were the special guest speakers at the June BIARC meeting at Puna Covenant Church. The topic of the day: Emergency communications and how and why to get involved.

Clem gave BIARC members an extensive update on ARES, the



Continued on next page

From previous page

Building an EMCOMM Team

- Handle Messages both verbally and digitally:
 - ICS-213 Messages
 - ARRL Radiogram for Health and Welfare Messages
- Participate in Nets:
 - Sunday nights 7:00 p.m. PACSECARES Net on linked repeaters
 - Sunday nights 8:00 p.m. ARES HF Net on 7.088 LSB
 - Tuesday nights 7:00 p.m. ARES HF Net on 7.088 LSB
 - Second Tuesdays of every month at 7:00 p.m. on HF Fldigi Net on 7.090 USB
 - Fourth Tuesdays of every month at 8:00 p.m. on the Fldigi Tech Net on linked repeaters
 - Fourth Thursdays of every month at 8:00 p.m. on the Fldigi VHF/UHF Net on linked repeaters

Amateur Radio Emergency Service, and encouraged all hams to join. Sign up on the ARES website at hawaii.ares.info. Clem, who worked for State Civil Defense for 12 years, also encouraged us to take the free training for the Community Emergency Response Team program, which is a federal (FEMA) program administered by Civil Defense statewide. You don't have to join an official CERT team to take the training, said Clem, who is one of the CERT trainers on Oahu.

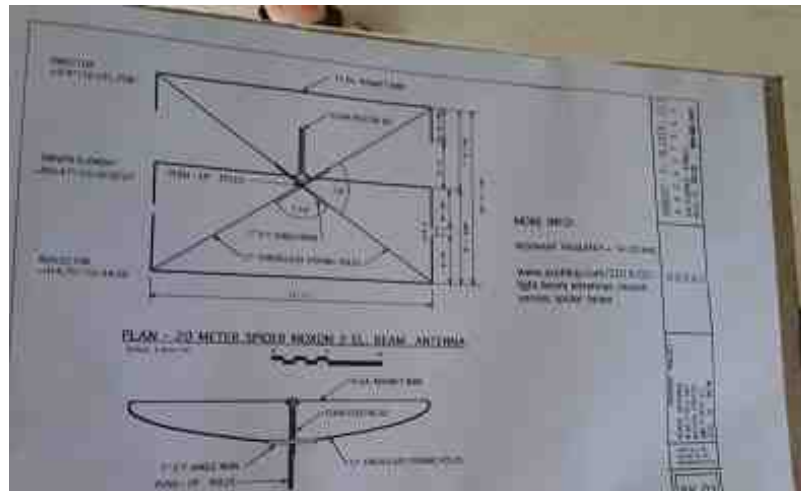
One of the main rules of CERT is to make sure you have "prepared for yourself and your family," and then you can help others by participating in emcoms.

"That's why I'm a proponent of CERT," he said.

In his overview of "Building an EMCOM Team," he touched on various types of training and integrated, yet separate, avenues such as Skywarn. More radio volunteers are needed to ensure that weather reports can be obtained from many locations during times of unusual weather patterns and sometimes-related crises.

Some of the classes available to the public and/or amateur radio licensees: Incident Command System (ICS) Internet classes (free; independent studies); ARRL emcom classes; Skywarn training, which is free; and the CERT training, which also is free; emcoms team-building, in which trained volunteer hams learn to pass messages verbally and digitally; participation in the many nets staged regularly on 2 meters and high frequency bands (nets are listed on the ARES website, above).

Joe then discussed WINLINK and WINMOR, another means of communication. **(In June 2010, The Amateur Radio Safety Foundation (ARSLF)**



Here are the plans for the 20-meter Spider Moxon 3-element beam antenna Robert Oliver, NH6AH, made for Field Day.

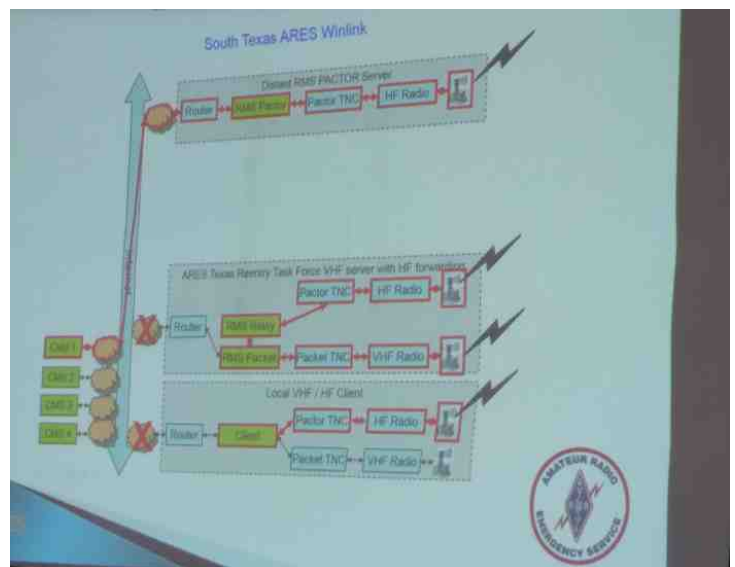
announced the availability of RMS Express user software with WINMOR, a new radio-email application for use with the WINLINK 2000 network.)

He said the Hawaii ARRL leaders have learned a lot about technology from the ARES and RACES volunteers in Idaho. But the physical setup of districts, etc., is quite different here in our island state. The Idaho emcoms hams keep very active, due to the frequency and magnitude of forest fires there.

Joe shared a PowerPoint presentation on South Texas ARES and Winlink operations created for an ARES summit earlier this year by Tom Whiteside, N5TW, and Brad Davis, NA5BD.

"WINLINK is email over amateur radio," Joe explained. Anyone with an amateur radio license can have an email account on winlink.org.

WINLINK offers "provisions for local, widespread or total Internet outage," he explained. The future looks good for this mode, said Joe, noting that it already is being used by at least one Hawaii ham living off-grid.



Field Day is Saturday, June 26

(Following finalization of plans for the big event, Field Day 2016 Committee members helped spread the word by hanging up posters throughout Keauu and Hilo and releasing the following story to the news media.)

Members of the Big Island Amateur Radio Club invite the community to join them in celebrating Amateur Radio Week at the club's annual Field Day event Saturday, June 26, at Wailoa Center in Hilo. Each year, ham radio operators throughout Hawaii and the rest of the nation stage 24-hour events on the last full weekend in June.

The annual event held under the auspices of the American Radio Relay League (ARRL) lets radio hobbyists gather to compare notes, make contacts over the airwaves and share the finer points of their hobby with interested visitors. Members will be onsite shortly after daybreak to set up antennas and radio

equipment for the activities which will continue overnight.

A "Get On The Air," or GOTA, booth will be operated throughout the day for anyone who'd like to try his or her hand at radio communications.

ARRL testing will be offered at 10 a.m. for anyone wanting to apply for, or upgrade, a Federal Communications Commission Amateur Radio License.

A "fox hunt" will be staged at 2 p.m., with participants competing to be the first to locate a hidden transmitter. The hunters will be using homemade directional antennas hooked up to portable handheld receivers. It's a fun event, and the winner will receive a \$25 gift card.

"We've been preparing for the fox hunt for several months," said Field Day

Chair Peggy Gentle, vice president of the East Hawaii host club. The focus on direction-finding has included training and hands-on antenna-building and field-testing programs.

"We invite everyone to stop by and join us in celebrating the miracle of radio transmissions over the airwaves and the accomplishments of amateur radio operators worldwide," said Gentle, noting the huge role hams play each year by providing volunteer emergency communications during times of crisis.

Forest fires, earthquakes, tsunamis, floods, tornados and just plain-old heavy rain or snow can knock out cell towers and/or the electrical grid, shutting down regular lines of communications. Time after time, whenever and wherever there's a crisis, ham radio operators step in and fill the void until normalcy returns.

"In 2015, the ARRL celebrated a century of service," said Gentle. "Amateur radio operators have provided countless hours of community services



Doug Wilson, KH7DQ, congratulates visiting sailor Paul Wheeler, who had passed the Technician and General License Tests during FCC VE testing held right before the June meeting. Wheeler was to leave within the next couple of days for the Marquesas.

throughout these decades and have also provided a bridge between people, societies and countries by creating friendships and the sharing of ideas."

"Each year, Amateur Radio Week culminates on the last weekend in June with the traditional Field Day operating event that simulates setting up a station 'in the field' and operating 24 hours across the United States and Canada to polish communications skills that are vital to emergency operations," said Gentle.

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The ARRL Letter



VO1FN in Newfoundland.

Signal Bounced Off ISS Heard Across the Atlantic

A 2 meter signal from the UK, reflected off the structure of the International Space Station (ISS) on May 2, was heard across the Atlantic. Following 2 weeks of preparation, Tim Fern, G4LOH, in Cornwall (IO70jc), and Roger Sturtevant, VE1SKY, in Nova Scotia (FN74iu) attempted a FSK441 contact.

Both stations aimed at the calculated grid HO11nl for a 144.175 MHz contact attempt with a mutual window of less than 1 minute. VE1SKY was able to copy G4LOH at a distance of 4441 kilometers (approximately 2753 miles). This was the first signal received via ISS bounce from Europe to North

America, and the first intentional signal heard via ISS reflection in any direction across the North or South Atlantic.

While two-way communication did not happen, the reception is being verified as a possible DX record for satellite reflection.

Later in May, Fern, operating as GK4LOH and transmitting in CW, was received twice in the much-closer GN37 grid by VO1HP at VO1FN in Newfoundland.

Rhombic Ranch Don Wallace Museum Foundation Closing; Donates Assets to NCDXF

The Don Wallace Museum Foundation (DWMF) is shutting down, as the famous W6AM Rhombic Ranch in Rancho Palos Verdes, California, has been subsumed by residential development. The DWMF has donated \$29,000 to the Northern California DX Foundation (NCDXF).

"The donation comes with no restrictions or caveats," DWMF Board Chair Joe Locascio, K5KT, said. "As I strongly suspect, Don (the original) W6AM would favor such a donation to an organization dedicated to DXing!"

Locascio said the foundation is in the final phase of closing down after nearly 30 years of existence. "The W6AM Radio Club will continue as long as needed to support the W6AM

call sign," he noted. Locascio said the Board was making the donation to NCDXF "on behalf of previous donors," who had hoped to see some radio activity at the old W6AM Rhombic Ranch.

"Unfortunately, we were not able to achieve our long term goal of an actual museum with an active radio station on the property," Locascio said. An 18 x 24 bronze plaque on a large rock, unveiled in March 2015 and dedicated to the memory of Don Wallace, W6AM, remains at the entry to the Wallace Ranch (see Sept 2015 QST, p 20), where more than 80 homes now sit.

ARRL, Community Associations Institute Find Common Ground on Parity Act Language

ARRL and the Community Associations Institute (CAI) -- the national association of homeowners associations (HOAs) -- have reached consensus on provisions of the Amateur Radio Parity Act, H.R. 1301. ARRL and CAI have worked intensively since February to reach agreement on substitute language

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**The ARRL Pacific Section  
webpage is at:**

**<http://www.arrl.org/Groups/view/pacific-section>**

for the bill in an effort to move it through the US House Energy and Commerce Committee and to overcome objections to the companion US Senate bill, S. 1685. Along the way, the offices of U.S. Representatives Adam Kinzinger (R-IL), Greg Walden, W7EQI, (R-OR), and Anna Eshoo (D-CA) mediated and offered assistance.

ARRL Hudson Division Director and Legislative Affairs Committee Chairman Mike Lisenco, N2YBB, called the agreement "a significant development in the League's 30-year pursuit to secure the ability to erect Amateur Radio antennas in deed restricted communities."

ARRL General Counsel Chris Imlay, W3KD, said the League was pleased to have reached an agreement with CAI over new proposed language in this legislation that both ARRL and CAI endorse and support.

"We agree with CAI that the substitute amendment is balanced, and we think that this bill's language is more objective and offers perhaps more guidance to HOAs than would the PRB-1 'reasonable accommodation' test for municipal land use regulations.

"The bottom line," Imlay said, "is that if the bill is enacted, it would allow every amateur living in a deed-restricted community -- for the first time in the history of Amateur Radio in the US -- the ability to install an effective outdoor antenna."

"That would benefit thousands of current and future hams living in deed-restricted communities," Lisenco added.



### **ARRL Now Offering New "Radio and Wireless Technology" Patch Program for Girl Scouts**

The ARRL has begun offering a new Girl Scouts "Radio and Wireless Technology" patch program that offers opportunities for participants to learn about wireless technology, including Amateur Radio. Scout leaders and Amateur Radio volunteers associated with the Greater Atlanta Girl Scout Council and Girl Scouts of the Green and White Mountains developed the program to incorporate information and exploratory activities that provide a backdrop for understanding radio communication. The program will encourage Girl Scouts to take on activities to gain knowledge and skills, as well as kindle an interest in science, technology, engineering, and math (STEM) subjects and careers.

"The initiative for the program came about through my conversations with hams who wanted to work with Girl Scouts as well as Boy Scouts and wanted a patch program that would introduce ham radio, as the 'Radio' merit badge does in the Boy Scouts," said ARRL Education Services Manager Debra Johnson, K1DMJ. "I was introduced to a group of leaders with the Girl Scouts of Greater Atlanta who wanted to work in developing a new, fun patch program for radio that would fit with the Girl Scout Leadership Experience structure. This group was joined by Jill Galus, KB1SWV, of the Girl Scouts of the Green and White Mountains in New

Hampshire. We collaborated on this over the course of several years." Galus's father, "Skip" Youngberg, K1NKR, and a team from the Nashoba Valley Radio Club helped test-drive the new patch program with Girl Scouts in New Hampshire, during "Thinking Day on the Air" this past February.

The program defines the requirements for Girl Scouts to earn the patch at the Brownie, Junior, Cadette, Senior, and Ambassador levels. Girl Scouts can learn the fundamentals of radio communication and wireless technology, from broadcasting to smartphones, and apply what they learn to connect people, enhance safety, and explore related careers. In addition to acquiring the fundamentals, participants can explore radio science through hands-on learning with Amateur Radio, and use radio to talk around the world and for public service. They also can learn about the role of wireless technology in everyday life and in careers.

### **FCC Turns Away Petition to Permit Experimental Operation on Amateur Bands**

The FCC has denied the 2015 petition of a Missouri radio amateur seeking to have the Commission authorize low-power experimental activity on Amateur Radio frequencies. James Edwin Whedbee, N0ECN, of Gladstone, sought to amend FCC Part 97 Amateur Service rules to let radio amateurs conduct experiments on all Amateur Radio bands, subject to certain limits on duration, power, and bandwidth. The FCC declined to put his petition on public notice and invite comments.

"[T]he Commission's rules contain

numerous provisions for experimentation and development of new radio equipment and techniques," the FCC said in a June 9 letter to Whedbee. "The Experimental Radio Service (ERS) rules contained in Part 5 permit a broad range of experiments, including in the Amateur Service, and prescribe the manner in which the radio spectrum may be made available to experiment with new radio technologies, equipment designs, characteristics of radio wave propagation, or service concepts related to the use of the radio spectrum."

The letter pointed out that the FCC "recently revised and streamlined" its Part 5 rules "to provide additional flexibility to innovators" and noted that Whedbee did not discuss in his petition whether those rule changes might address his concerns.

### **Polish DXer 3Z9DX Reported Ready to Return to North Korea on a Moment's Notice**

In the wake of a surprise "demonstration" operation from North Korea -- officially the Democratic People's Republic of Korea (DPRK) -- in December, Polish DXer Dom Grzyb, 3Z9DX, is eagerly awaiting the call that will allow him to return to the most-wanted DXCC entity for another brief activation.

Just when that will come could be anytime, however. DX-World and The Daily DX report that Grzyb has received confirmation that North Korea will authorize a 5-day operation, and he is ready to roll as soon as he gets word, which will be on short notice -- just enough time for him to book his flight, grab his gear, and head off. DX World reported that no notice would be given prior to the P5/3Z9DX activation itself.

There are other conditions: He may only operate on SSB and on one band, 20, 15, or 10 meters. No decisions will be made until Grzyb gets to the DPRK, however.

Over the course of his unanticipated December 20-21, 2015, activation -- the first in more than a decade -- P5/3Z9DX made nearly 785 SSB contacts, most of them on 15 meters. Nearly 600 of the contacts were with stations in Asia; P5/3Z9DX worked just 26 stations in North America. He has posted his log on ClubLog. The ARRL DXCC Department subsequently approved the P5/3Z9DX operation for DXCC. -- **Thanks to *The Daily DX and DX-World***

### **Three Radio Amateurs on the ISS Head Home**

Three radio amateurs on board the International Space Station (ISS) left the orbiting June 17. Expedition 47 Commander Tim Kopra, KE5UDN; Flight Engineer Tim Peake, KG5BVI/GB1SS, and Yuri Malenchenko, RK3DUP, undocked from the space in a Soyuz TMA-19M spacecraft commanded by Malenchenko, after having spent 186 days in space since their December launch.

After the Soyuz undocked, ISS Expedition 48 began under the command of Jeff Williams, KD5TVQ. Williams and crewmates Oleg Skripochka, RN3FU, and Alexey Ovchinin, who will operate the station for 3 weeks until the arrival of the next crew increment. NASA astronaut Kate Rubins, KG5FYJ; Russian cosmonaut Anatoly Ivanishin, and Takuya Onishi, KF5LKS, of the Japan Aerospace Exploration Agency are scheduled to launch on July 6 from Baikonur, Kazakhstan.

During their stay, Kopra and Peake

scored some milestones for the Amateur Radio on the International Space Station (ARISS) program. On March 10, Kopra conducted the 1000th ARISS school group contact with students in North Dakota. The first contact occurred in December of 2000. Peake made use of Amateur Radio in his "Principia Mission" outreach, which aimed to directly engage students with communication technologies, inspiring them to pursue careers in science, technology, engineering, and math (STEM) fields.

During his stay in space, Peake hosted 10 ARISS school group contacts, including the first to take advantage of the HamTV digital Amateur Radio television (DATV) system when he spoke with students in England on February 11. The DATV system in the Columbus module of the ISS allowed students at Royal Masonic School, home of GB1RSM, to see as well as to listen, as Peake, operating as GB1SS, answered their questions about life in space.

### **National Parks on the Air Update**

One of the rarest locations in the National Parks on the Air (NPOTA) program was activated on Saturday, June 18. The HacDX Amateur Radio Club, W3HAC, secured permission to operate from the White House Visitor Center (DZ10), during ARRL Kids Day.

The group, which secured the call sign W3H for this activity, plans other NPOTA Activations on August 25 -- the actual date of the National Park Service's 100th anniversary -- and in October for Scouting's Jamboree On the Air (JOTA).

There were 55 NPOTA activations on the calendar for June 16-22, including Mesa Verde National Park in Colorado, and the James Garfield

National Historic Site in Ohio. Details about these, as well as upcoming activations, can be found on the NPOTA Activations calendar.

**Keep up with the latest NPOTA news on Facebook. Follow NPOTA on Twitter (@ARRL\_NPOTA).**

### **The Doctor Will See You Now!**

"Grounding" is the topic of the latest (June 16) episode of the "ARRL The Doctor is In" podcast. Listen...and learn!

Sponsored by DX Engineering, "ARRL The Doctor is In" is an informative discussion of all things technical. Listen on your computer, tablet, or smartphone -- whenever and wherever you like!

Every 2 weeks, your host, QST Editor in Chief Steve Ford, WB8IMY, and the Doctor himself, Joel Hallas, W1ZR, will discuss a broad range of technical topics. You can also e-mail your questions to doctor@arrl.org, and the Doctor may answer them in a future podcast.

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### **"The Magic Band" Lives Up to its Name in ARRL June VHF Contest**

Six meters sounded more like an HF band during the ARRL June VHF Contest over the June 11-12 weekend, as sustained sporadic E (also known as E-skip or Es) openings greeted participants. Some found 6 meter contacts so bountiful that they tended to neglect the other VHF/UHF

bands, where conditions were more typical.

"As for why the contest weekend was so good, all I can say is that June can be good for E-skip," said Carl Luetzelschwab, K9LA, the former "Propagation" editor for National Contest Journal (NCJ). "I think the term 'sporadic' in its name is well suited. We just don't understand the detailed processes of 6 meter Es."

For many, it was a 6-meters-only event, with the best conditions in several years and much of the action on CW. "This was the consummate 50 MHz festival, with wide-open bands throughout most of the contest," Bill Schwantes, W7QQ, in New Mexico, posted in his soapbox comments on the 3830 website. "For the first time in my memory I felt like a rate junkie, often reaching 200 per hour. What fun on 6, while ignoring long-haul, weak signal contacts on 144, 222, and 432."

Bob Striegl, K2DRH, who boasts some serious VHF-UHF antennas in upstate Illinois, said the band "was going crazy" in the evening from the East Coast to Europe, and to Japan from the Midwest and South. "In a lull I tuned up JA7QVI, who was the strongest, and worked him on CW with low power!"

Mike Smith, VE9AA, in New Brunswick called it, "A VHF (6 meter) contest I can write home about." He was one station's first 6 meter contact, and "was tickled to do that."

Top-tier HF contester Dan Street, K1TO, in Florida, made his first 6 meter contact with Japan during ARRL VHF, only the third time he's operated in the event. "Conditions were amazingly different for all of us," Street said in his soapbox post. "I watched in awe as the W1s seemed to have a contest-long opening to

somewhere. EA8DBM's skimmer made an incredible number of US spots, and he worked stations out to the West Coast. Yet here in Florida, I never heard him once, nor even one European."

Eric Gruff, NC6K, in California also didn't get in on the excitement. "Another frustrating VHF contest from DM13," he posted. "[T]he majority of the time, I spent listening to the same local stations calling CQ incessantly, while the rest of the country was enjoying a huge opening."

Charlie Panek, KX7L, in Washington, summed things up this way: "Every few years the planets line up right, and we get a good Es opening during the contest," he said. "This was one of those years!"

### **White House Honors Limor Fried, AC2SN, Among "Champions of Change for Making"**

The White House honored Adafruit founder Limor "Ladyada" Fried, AC2SN, on June 17 as one of 10 "Champions of Change for Making." According to the announcement, while an engineering student at MIT, Fried became determined to create a company that focused on supporting the learning of electronics for makers of all ages and skill levels.

"These individuals were selected by the White House for their personal passion and tireless efforts to make advances in technology and platforms, educational opportunities, or spaces that empower even more Americans to become tinkerers, inventors, and entrepreneurs," the announcement said.

Fried founded Adafruit in 2005, and it has grown to now employ more than 100 individuals in a 50,000 square foot factory in New York City. As the

company's sole owner, she has committed to building both innovation and community, and is known for creating resources for learning.

"When Limor Fried looks at a circuit board, she sees it as a series of aesthetic choices -- a vehicle for self-expression, rather than simply the product of rational optimization," Nicola Twilley wrote in the March 3 edition of *The New Yorker* magazine. Twilley quoted Fried as saying, "I want to show people that engineering isn't something cold and calculated. Thinking like an engineer is a beautiful and fascinating way to see the world, too."

Fried was the first female engineer on the cover of *WIRED* magazine, and she was named Entrepreneur of the Year in 2012 by *Entrepreneur* magazine. She also served on the NYC Industrial Business Advisory Council.

Adafruit has expanded its offerings to include tools, equipment, and electronics, which Fried personally selects, tests, and approves before they go into the Adafruit store.

### **Well-Known DXer, DXpeditioner Milt Jensen, N5IA, Dies in Fall from Tower**

Well-known DXer and DXpeditioner Milt Jensen, N5IA, of Virden, New Mexico, died on June 10 after falling from an Amateur Radio tower. An ARRL Life Member, he was 73. According to the Pima County Sheriff's Department, Jensen was working on a tower on Arizona's Mount Lemmon when he fell. He was pronounced dead at the scene. The mishap is still under investigation.

"Milt was on one of his many tower climbing adventures, and, by no choice of his, it became his last," his oldest son, Jason, wrote in a



### ***Sanjeeb Panday, 9N1SP, speaks in Santa Clara, California, on June 2.***

QRZ.com post.

Licensed in 1960, Jensen had lived in Virden for his entire life. Especially well known for his 160 meter activity, he spent several years constructing an "8-circle array" of full-sized 160 meter verticals -- each 125-foot towers -- at his station site south of Safford, Arizona, near the New Mexico border. Lee Finkel, KY7M, wrote in an article set to appear in the July/August issue of *NCJ*. Jensen operated his "dream station" remotely from his home, often using the call sign N7GP in contests. In addition to his Top Band operation, Jensen was heavily involved in designing, installing, and maintaining VHF and UHF mountaintop repeaters, remotely controlled base stations, and linking systems. As a contester, he often landed in the Top 10 standings.

Jensen participated in three DXpeditions. He and his wife Rulene, KB5VTM, were part of the 1998 XZ1N team in Myanmar. In 2000, he returned to Myanmar as part of the XZ0A multinational team. In 2008, he was part of the Ducie Island VP6DX DXpedition team.

### **Nepal Radio Amateur Describes Earthquake Response Effort at West Coast Gathering**

Amateur Radio's "vital role" in the 2015 Nepal earthquake response was the topic on June 2 as the City of Santa Clara, California, hosted Sanjeeb Panday, 9N1SP, of Tribhuvan University in Kathmandu Nepal. Given that the Silicon Valley and the Kathmandu Valley share the common geography of multiple, nearby earthquake fault lines, the subject was relevant. The Santa Clara Fire Department sponsored the presentation, with an eye toward applying the lessons learned in the wake of the Nepal earthquake to better prepare for a similar disaster in the Silicon Valley.

"The Nepali people have gone through a tremendous ordeal," Panday told the audience. "If our experience can help others in different parts of the world [to] better prepare for disasters, then this can be regarded as a positive outcome."

Nearly 100 attended, including firefighters, emergency response officials, City of Santa Clara ARES/RACES members, Bay-Net participants, and members of the Nepali-American Community. Scout leader Richard Silkebakken, KM6CPH, and members of Cub Scout Pack 32 (Monterey Bay Council) presented Panday with two handheld transceivers for delivery to Scouts in Nepal. The office of US Rep Mike Honda presented the Global Nepali Professional Network a "Certificate of Special Congressional Recognition." Through its Radio Mala program, GNPN funded and helped to construct the only two Amateur Radio repeaters available in Nepal during the earthquake.





# The 10-10 Connection

with NH7PE,

## 10-10 Aloha Chapter

***Irene Kubica, NH7PE, is an avid participant in 10-meter activity and encourages hams at all levels to join in the fun.***

The world of HF radio is open to all licensed amateur radio operators, including Technicians, on the 10-meter amateur radio band.

From the website of Ten-Ten International, here are the basic answers to the overriding question:

Just what is the Ten-Ten International Net?

The Ten-Ten International Net, Inc. was formed back in 1962 as the Ten-Ten Net of Southern California. Its purpose was to promote activity and good operating practice on the ten-meter amateur band.

During the first few years the organization grew slowly, but by 1975 there were 10,000 members, and the word "International" had crept into the name. To date, there have now been more than 75,000 10-10 numbers issued world wide.

We hope everyone is gearing up for the Spirit of '76 QSO Party set for July 4-10. The fun event runs for seven days on six modes of transmission.

And get prepared for the 10-10 Summer Phone QSO Party from August 6-7.

Be sure to assign your scores for all QSO Parties, except for the Sprint on October 10, to the Aloha Chapter of 10-10 International Net if you live within 150 miles of Hilo and are a 10-10 member.

Check out the newest 10-10 Net: Galesburg Illinois, on 28.120, PSK! at 2030 UTC Sundays (10:30 a.m., Hawaii time, on Sundays).

See the website, [www.ten-ten.org](http://www.ten-ten.org).

***73 and aloha,  
Irene, NH7PE***

*(Editor's note: Our 10-10 correspondent, NH7PE, 10-10 No. 74456, took 4th place in the world for the 2015 53rd Anniversary QSO Party that ran all of 2015. The 54th Anniversary event is in full swing, but it's never too late to join in. Irene also received a 2015 ARRL DX Contest Certificate after scoring 2,376 points and taking first place for Hawaii in the single-operator, 10-meter only, phone division.)*

\*\*\*\*\***2016 BIARC leadership**\*\*\*\*\*

**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. **Program Committee:** Co-chairs John Bush, KH6DLK, and Les Hittner, K0BAD. **Repeater Committee:** Chair Bill Hanson, N0CAN, with Paul Ducasse, WH7BR; Paul Agamata, WH6FM; Bob Schneider, AH6J; and Lopaka Lee, WH6DYN. **Field Day Committee:** Chair Peggy Gentle, KE6TIS, with Robert Oliver, NH6AH.