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*Keeping Riverside County Wireless Since 1955*

## WinLink Presentation

*Presented by: Rich Palmer KK6CXA (Northwest Riverside County ARES)*

*Written by: Marlene KK6CTX & Ray N6KZM*

Our February meeting brought us an introduction to WinLink by Rich Palmer KK6CXA and assisted by Dave Belcher KI6CXM. We learned the basics of what is involved and what "[WinLink](#)" can do with a live demo. Thank you gentlemen for bringing the objectives and properties to our clarification.

Larry WA6PMY and Mike N6TXR have been doing some independent research and experimentation with WinLink and tested it between themselves. Perhaps we can get them to expand what their thoughts and conclusions have been thus far.



## February Meeting Summary

Written by: Marlene KK6CTT

General Meeting was called to order on Thursday, February 9, 2017, at 6:57 P.M.

- Pledge of Allegiance and introductions. At least 20 club members were present.
- Jim Wiley gave the treasurer's report.
- Ed Morgan gave the membership report. Currently we have 42 members.
- Duane Allen gave a report on the club strategic planning subcommittee meeting. He is accepting ideas and submitted some goals and ideas.
- Larry Junker made a report on the upcoming Field Day. We still have no location chosen. Let Larry know any ideas.



**Who  
Are  
You?**

### Ray G-J N6KZM:

I have always had a fascination with radio communications. As a kid, I had an uncle who was a radio operator for the Royal Dutch Army in the East Indies (Now called Indonesia). When I visited him, he would be on the HF bands talking to all sorts of people...(Continued on page : [7](#))

- Ron Braley is still looking for repeater controllers. He will announce training at a future date. He also mentioned ARES will be using the club repeater on Saturday, February 11, from 7:00 AM to noon.

(Continued on Page 2 - Meeting Summary)

★HAPPY★  
BIRTHDAY!



## MARCH BIRTHS

**Michael Anderson W6OSO**  
**March 10**

**Robert Johnson KM6AWR**  
**March 21**

**Leo Savolan KG6WNI**  
**March 30**

## MEETING SUMMARY: *(Continued from Page 1)*

General Meeting was called to order on Thursday, February 9, 2017, at 6:57 P.M.

- Marlene passed around the club inventory list.
- Mike Rankin discussed future presentations for the club.
- Marlene announced Hungry Hams at Back Street on Tuesday, February 14 at 11 AM.
- There were no corrections or addition to the general meeting minutes.
- Mike Rankin introduced the speaker, Rick Palmer, KK6CXA and his partner, Dave Belcher. The presentation was on WinLink .
- The meeting was adjourned at 8:29 P.M.

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### Next Month's Meeting

RCARA meetings are held at the "La Sierra University 7th Day Adventist Church," on the 2nd Thursday of each month beginning at 7:00 PM.

Our next meeting is Thursday, March 9th, at 7:PM.

Address: 4937 Sierra Vista Ave, Riverside

[Click Here](#) to access a map for directions.



## W6TJ MONDAY NIGHT "NET"



The club provides communications support during many Public Service Events throughout the year. A weekly RACES net is held to foster emergency preparedness every Monday evening at 7:00 PM on the W6TJ club repeater (146.88 MHz, -600 KHz offset with a PL of 146.2 Hz). This 2M Monday net provides bulletins of upcoming club activities and events.

It is also possible to check into the Net via the W6CDF Box Springs 224.460 MHz Repeater ( - offset with a PL of 110.9 Hz) which is linked to our 2M repeater.







# PRESIDENTIAL "QSO"



To Members of RCARA:

Field Day is only about 3 months away (June 24th and 25th with set up on June 23rd) and we have a lot of planning and preparation to do to get ready for another successful event. Priority is finding the most ideal location. Please send your locality suggestions to Larry WA6PMY if you know of a good public place that will host us and is conducive to our ham radio essentials.

So far, several of you have suggested returning to Martha McLean Narrows Park on Jurupa. Please let Larry know if you would like to return there for the 2017 Field Day Event. We would like to know if you will attend and participate by volunteering to help with set up, providing equipment, setting up a station, monitoring the radios, camping over night or lending any other of your talents ... all skill levels are needed.

- How about coming out to the Riverside Airshow on April 1 and spend some time at our booth. Let Larry WA6PMY know how and when you will participate.
- The annual Anniversary of RCARA will be celebrated in August with a pot luck dinner. It will be 62nd year as a club!

Check out our Face Book page for details and be sure to join us there:



<https://www.facebook.com/RCARA.W6TJ>

Thank you for your input & looking forward to seeing you all on Thursday, March 9 at the monthly meeting. ~Marlene

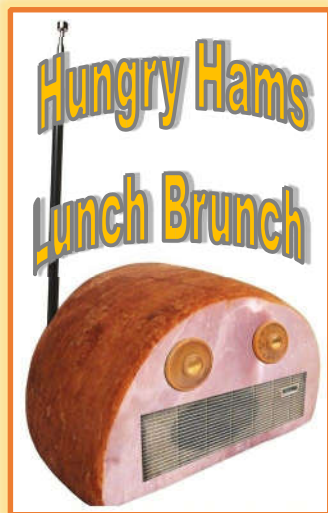
KK6CTX

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The Hungry Hams Lunch Bunch will meet on Tuesday, March 14, 2017, at the "Back Street Cafe," at 11:00 a.m. Please join us for some socializing and ham camaraderie.

Let Marlene KK6CTX know if you will be attending so she can make adequate reservations: [xmadamxx@aol.com](mailto:xmadamxx@aol.com)



**BACK STREET**  
Restaurant

3735 Nelson St. Riverside, CA 92506



# Public Interest

## Request for Bouvet DXpedition-2018—Financial Support

**BOUVET ISLAND DXPEDITION 2018**

**ANNOUNCING THE BOUVET ISLAND DXPEDITION 2018**

**The Team**

**The Bouvet Island DXpedition 2018 3YØZ The Most Remote Island on Earth**

**Northern California DX Foundation, Inc.**

**International DX Association (INDEXA)**

**www.bouvetdx.org**

Operator portraits and call signs:

- DJ9ZB - Franz
- EY8MM - Nodir
- HK1R - Jorge
- KØIR - Ralph
- K4UEE - Bob
- KØCT - Craig
- LA6VM - Erling
- N4GRN - George
- N6HC - Arnie
- N9TK - Jim
- NM1Y - Jeff
- LA3DL - Just
- PA5M - Michael
- UA3AB - Andy
- VA7DX - Neil
- VE7CT - Steve
- WØGJ - Glenn
- W6IZT - Gregg
- WØIC - Hal
- WB9Z - Jerry

Submitted By: Arnie SHATZ N6HC

An experienced DXpedition team of 20 operators are in the advanced planning stages of a DXpedition to Bouvet Island (3YØZ). The DXpedition is scheduled for early 2018. This DXpedition may be the most expensive DXpedition ever! Bouvet Island is known as "The Most Isolated Island on Earth", and is currently ranked #2 on the ClubLog's "most wanted" list.

The DXpedition leaders are: Erling – LA6VM, Bob – K4UEE, and Ralph – KØIR. This is the same leadership team that brought you 3YØX-Peter I Island, K5D-Desecheo Island, HKØNA- Malpelo Island, FT5ZM-Amsterdam Island and, most recently, K1N-Navassa Island.

We have an extraordinary international team of 20 operators. These team members collectively have been part of scores of DXpeditions and have handed out an amazing 4,600,000 QSOs. The Antarctic and harsh climate experience of this team includes Heard Island, South Sandwich (twice) South Georgia (twice), the South Orkneys, and Peter I (twice). Non-Antarctic DXpeditions with these team members include places like Amsterdam Island, Malpelo, Navassa, Desecheo, Bhutan, Saba, Easter Island, Wake Island, Palmyra, Reunion, Midway, Kure, Fiji, Swains, Baker Howland, Conway Reef, Kingman Reef, Eritrea, Lakshadweep, Svalbard and others.

We encourage you to visit the Bouvet Island website (<http://www.bouvetdx.org>) and donate via the PayPal link. It's free and easy -- and you can contribute with a major credit card, even without a PayPal account. If that is not convenient, you may make a check or money order payable to DX Expeditions, Inc. - Bouvet and mail to Bob Allphin-K4UEE the address shown below. Remember to put your club's name or your callsign on the "for" line.

Bob Allphin-K4UEE

4235 Blackland Dr., Marietta, GA 30067



Submitted by: Marlene KK6CTX

Be a part of one of the largest running events in the country. You'll have fun, meet great people and enjoy the thrill of victory without having to break a sweat.

Volunteers are needed for the following days:

- **Friday and Saturday, March 17-18, 2017** - Skechers Performance Los Angeles Marathon Expo (LA Convention Center, West Hall) and the LA Big 5k
- **Sunday, March 19, 2017** – Race Day @ the Start Line (Dodger Stadium), Finish Line (Santa Monica) and On-Course

#### **SIGN UP TO VOLUNTEER**

To view a list of volunteer shifts / to register to volunteer individually, [click here](#)

To create a volunteer group for 10 or more volunteers, [click here](#)

To join a volunteer group that has already been created, [click here](#)

(You will need a password from your group leader in order to join a group.)

#### **IMPORTANT SHIFTS**

The following Sunday, March 19 shifts are important. If you are undecided on your shift, please consider signing up for one of these shifts:

SL Start Line

Water Stations Mile 08, 09, 11, 12, 14, or 20

FL Gear Check

FL Hot Walkers

FL Post Finish Food & Fluid

#### **GROUP LEADERS**

*Groups of 10 or more can create a group by clicking on the appropriate link above. You will be able to choose a group name, password, and an assignment. Make sure you capitalize the first letter in your group so that our system can sort each group alphabetically (For example, El Monte Key Club vs el monte key club). It is recommended to choose an assignment and advise your group members to sign up ASAP in order for everyone to stay together. We are not able to hold spots for group members. Each group member will need to register themselves in order to sign the waiver, list their t-shirt size, and receive important updates for their assignment. Group leaders will also need to register themselves under their group.*

#### **ALREADY REGISTERED?**

If you have created a volunteer group and would like to make any changes, [click here](#)

If you have already registered for a volunteer assignment, you can view your assignment [here](#) by entering the email you registered with.

If you have any questions, please email [volunteer@goconqur.com](mailto:volunteer@goconqur.com).

Thank you. We look forward to seeing you in March!



## How to make a Simple Dipole Antenna

Submitted By Ray G-J N6KZM

It is very easy to create a simple 1/2 wave dipole, all you need is some lengths of wire such as the core of some mains flex or even a straightened out metal coat hanger, some co-ax cable and a connector for your scanners antenna input (usually BNC or SMA).

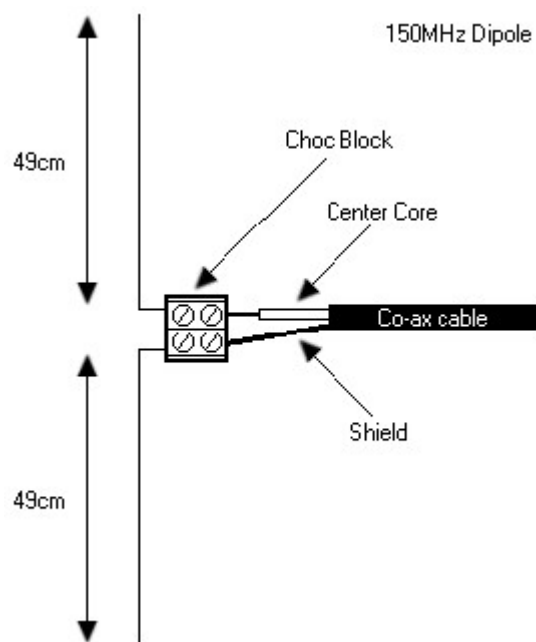
The formula to calculate the length of the antenna is  $147/\text{frequency in MHz}$ , this gives the total length of the dipole in meters.

For example, to make a 150MHz dipole:  $147/150 = 98\text{cm}$  so each element of the dipole should be 49cm

Connect one end of each cut wire to one side of a piece of choc block and to the other sides connect the core and shield of a length of 75 ohm co-ax. Put a suitable connector for your scanner onto the other end of the co-ax and hang the antenna in a suitable position with the element that is connected to the center core of the co-ax pointing upwards.

The balanced 75 ohm impedance of a dipole should really be matched to the unbalanced impedance of the co-ax using a balun but this is not as important for receiving only as it would be for transmitting. The mismatch will degrade the performance a little as it will reduce the overall sensitivity and possibly allow the co-ax feeder to act as an antenna and pick up some noise generated from within the building (eg. computers).

### PRODUCT IDEA:







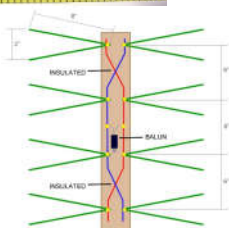
## RadioWavz Antenna Tape

This measuring tape is industrial grade and perfect for many uses. It is premarked for loop antennas and dipoles up to 30 Meters. It also measures 1/4 wave and 1/2 wave.

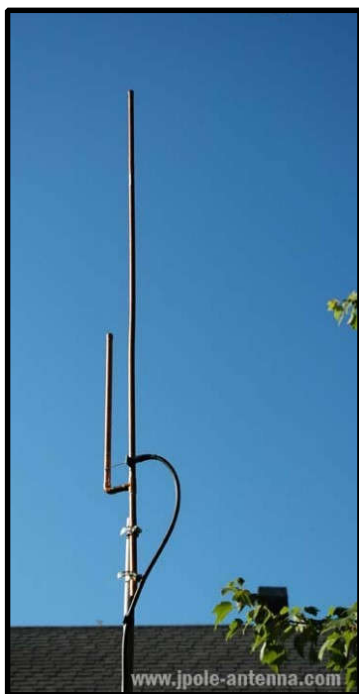
Available at:

<http://www.mtcradio.com/radiowavz-antenna-tape/>

<https://www.amazon.com/Radiowavz-Antenna-Tape-Measure/>



# Home Brew



## Building a J-Pole Antenna

Submitted by: Ray G-J N6KZM

The Copper J-Pole Antenna has long been a favorite home brew antenna for Hams new and old. It is inexpensive, mechanically rugged, and when built properly, performs very well. The antenna is simple with a 1/2 wave radiating section and matched to a 1/4 wave shorted stub, which creates the "J" in the J-Pole. It is fed direct with 50 Ohm Coax and requires no special matching, as the matching section is part of the design. It is also a popular construction project for people who do portable and emergency communications.

One thing that has been discovered is many of the published J-Pole construction articles in print, and on the Internet, show the connections for the coax center conductor and shield backwards! Many of the articles depict the coax center conductor connecting to the shorter 19" leg of the "J" and the coax shield going to the longer leg of the J. This is backwards. There are even people selling J-Poles on the Internet that are fabricated incorrectly!

Even if the antenna is constructed this way, it will show a nice low SWR, but the antenna will radiate far less energy than it is capable of. The long leg of the J-Pole needs to be connected to the coax center conductor to get optimum current flow allowing the antenna to radiate efficiently, and receive as much signal as possible. This is a perfect example of how low SWR can

trick you into thinking the antenna is performing well.

When the short 19" element of the J is fed with the coax center conductor, the entire length of that element is paralleled by the grounded half of the J which carries equal and opposite RF current, thus canceling out the radiated energy in the 19" element. When the center conductor is connected to the longer element, the RF waves will still cancel along the J portion of the antenna, but in this case will mostly continue past the J into the 1/2 wave radiating section and RF energy radiates into free space.

(Finish reading the article online by clicking on [Learn More](#))

Source: [http://www.qsl.net/bcra/Weekly\\_Tech\\_Articles/01-06-2011\\_Building\\_Your\\_J-Pole%20Correctly.pdf](http://www.qsl.net/bcra/Weekly_Tech_Articles/01-06-2011_Building_Your_J-Pole%20Correctly.pdf)

**Ray G-J N6KZM:** *(Continued from page 1:)*

## Who Are You?

from all around the globe. In high school (1970's), I bought my first Citizen Band radio and attained a FCC license of KACQ1995; back then you needed a license to use the CB. My handle was the "Krazy Man" and I hung out with other high schoolers, who used the CB radio as a chat room or what we now call "Twitter." I joined the Air Force and became an aircraft mechanic or Crew Chief on cargo planes (C-141 Lockheed Starlifter). One of my duties was to test the functionality of the HR radios in the cockpit. From San Bernardino (Norton AFB), I would call up to Anchorage (Elmendorf AFB) and have shot conversations; on occasions the conversations would spread to Tokyo (Yokota AFB). After the military, I became a cop in rural Riverside County. Back in the 1990's our work radios were poor performers. To supplement my communications abilities, I entered into the world of GMRS and amateur radio. I have now gone full circle into the evolution of radio communications.



## Radio Amateur Civil Emergency Service (RACES)

The **Radio Amateur Civil Emergency Service** (RACES) is a standby radio service provided for in Part 97.407 of the [Federal Communications Commission](#) (FCC) rules and regulations governing [amateur radio](#) in the [United States](#). The concept of a standby "Radio Amateur Civil Emergency Service" to replace the conventional "Amateur Radio Service" during wartime was developed in 1952 as result of input from the [American Radio Relay League](#) and the Department of the Army's [Office of Civil Defense](#).

The Riverside County RACES is under the direction of the Riverside County Emergency Management Department, Community Readiness Division. [Click Here](#) for the web page.

**UPCOMING EVENT:** W6TJ Trustee Don Williams KD6UVT requests the need and opportunity for radio operators in support of the March 4 Diamond Lake Marathon. Contact Don if you wish to participate: [kd6uvt@mac.com](mailto:kd6uvt@mac.com)



Visit Us on Facebook

Click on the image to the right:















































ment of an MOU agreement to assist the Red Cross with emergency communications last year.



**NW RIVERSIDE ARES**  
SERVING NORTHWEST RIVERSIDE COUNTY

## EDITORIAL



Hello Fellow Members!

This month's MONITOR was tossed together in a hurried fashion. I received many tidbits of information and proposed articles over the month. Unfortunately, my job got into the way and I was not able to share all of information I received. Rest assured that I place all of the missed articles into the next MONITOR. I apologize for the limited articles

and

hope to better next month. Let's all cross your fingers and have positive thoughts about our community. This might help in reducing the amount of work I'm having to do at my job.

For those who shared compliments and suggestions for the ever growing MONITOR, I say "Thank You!" If it were not for those comments, I would have nothing to write about. Also, if I did not receive your input, I might assume that no was reading the MONITOR.

If you have any material for The MONITOR; please forward it me at [n6kzm@rivecg.net](mailto:n6kzm@rivecg.net).

Ray N6KZM

# For the Good of



Submitted by: Ray N6KZM

Recently, I received a message via the discussion portal:



A user has sent a message using the Contact Us form.



Linda Scheetz (Mann) ( [ljscheetz](#) ) said:

I am going through my Dad's "stuff" and found the RCARA Silent Key Memorial plaque that Bob Mann W6LKN was in charge of before he died in 2010. Where do I send it or who would like to pick it up today or tomorrow at 5127 C Ave. ? Please call 805 with the info. Thank you.  
Linda W6LKN

This message was passed onto Marlene. It now appears that the club has recovered the sorely missed "Silent Key" memorial plaque.

Thanks Linda & Marlene!



We will have a booth and therefore will need members stationed at the booth.

Contact [Larry WA6PMY](#)

Granite Creek Community Church, 1580 N.  
Claremont Bl., Claremont, CA 91711



RACES PUBLIC SERVICE NET, 3.945 MHz  
Every Sunday at 8:30 AM  
Don Williams KD6UVT [kd6uvt@mac.com](mailto:kd6uvt@mac.com)

RACES/ARES PUBLIC SERVICE NET,  
146.880 MHz, Neg. Offset, 146.2 PL  
Every Monday at 7:00 PM  
Marlene KK6CTX [xmadamxx@aol.com](mailto:xmadamxx@aol.com)

RACES/ARES "SIMPLEX" PUBLIC SERVICE NET,  
146.880 MHz, NO PL  
Last Monday of the month at 7:00 PM  
Marlene KK6CTX [xmadamxx@aol.com](mailto:xmadamxx@aol.com)

VE Testing, Corona TBD  
1ST Saturday of the month 1:30 PM By appointment only

RACES MEETING  
2080 Lemon St., Downtown Riverside  
1ST Monday of the month 6:00 PM  
Don Williams KD6UVT [kd6uvt@mac.com](mailto:kd6uvt@mac.com)

RCARA monthly meeting  
2nd Thursday of the month 7:00 PM  
Marlene KK6CTX - [xmadamxx@aol.com](mailto:xmadamxx@aol.com)

Riverside EmComm Group Net  
KB6OZX 445.060 MHz, Neg. Offset, PL 162.2  
Every Wednesday at 7:00 PM  
Rick KK6CTT [kk6ctt@rivecg.net](mailto:kk6ctt@rivecg.net)

Amateur Radio Swap Meet, Cable Airport, Upland  
2ND Saturday of the month 7:00 AM  
IEARC Karen KJ6HFX [karen92316@yahoo.com](mailto:karen92316@yahoo.com)



# Don't Forget...

**FIELD DAY:** Details will be forthcoming as they develop

Last weekend of June  
Sat./Sun. June 24-25, 2017



## RECURRING EVENTS

### 2017 Board of Directors

President: Marlene Odebralski KK6CTX [xmadamxx@aol.com](mailto:xmadamxx@aol.com)

Vice President: Mike Rankin N6TXR - [mraink@me.com](mailto:mraink@me.com)

Treasurer: Jim Wiley AG6EA – [jameswwiley@att.net](mailto:jameswwiley@att.net)

Secretary: Donna Beveridge KK6UDF – [ntlc01@charter.net](mailto:ntlc01@charter.net)

Newsletter Editor: Ray Gayton-Jacob N6KZM - [n6kzm@rivecg.net](mailto:n6kzm@rivecg.net)

Membership Chair: Ed Morgan KF6BNQ – [edjmorg@aol.com](mailto:edjmorg@aol.com)

Communications Director: Larry Junker WA6PMY - [larryandmelba@junker-family.com](mailto:larryandmelba@junker-family.com)

### Appointed Club Positions

Club Historian: **vacant (volunteer needed)**

Club photographer: Steve Evans AF6HR – [kf6bnp@aol.com](mailto:kf6bnp@aol.com)

Sunshine Chairman: Art Sutorus AA6CA – [aa6ca@att.net](mailto:aa6ca@att.net)

Web site Administrator: Mike Riiff KA6VPW – [mriiff2@gmail.com](mailto:mriiff2@gmail.com)

W6TJ Trustee: Don Williams KD6UVT – [kd6uvt@mac.com](mailto:kd6uvt@mac.com)

Grant Administrator: Donna Beveridge KK6UDF - [ntlc01@charter.net](mailto:ntlc01@charter.net)

Repeater Maintenance & Blood Bank Chairman: Ron Braley KE6RYX

Immediate Past President: Ron Braley KE6RYX - (951) 369-5149

## **Annual Dues for 2017 are being ACCEPTED!**

RCARA Membership is currently \$15.00 per calendar year per person (new memberships are prorated). Membership includes a Membership Card, W6TJ Two Meter Repeater Auto Patch Access Codes for local telephone calling, a Club Roster, access to THE MONITOR Monthly Newsletter, Club Voting Rights and Board of Directors Membership eligibility.

Please remit your payments to Membership Chairman Ed Morgan KF6BNQ . Renewal forms are available through our web site, [Click Here](#). If you have questions about RCARA membership, Ed can be contacted in the following manner:

Phone: (951) 689-1917 or EMAIL: [edjmorg@aol.com](mailto:edjmorg@aol.com)