

ALL EARS

www.earsclub.org

The official bulletin of the Escondido Amateur Radio Society – N6WB June 2014

June's Meeting Details



Our June meeting will be all about Field Day...

See Matt's VP article for more details!

EARS Event Calendar - 2014

- Jun 12 EARS meeting, 7:00 p.m.
- Jun 19 Board Meeting, 7:00 p.m.
- Jun 21 Monthly Breakfast, 8:30 a.m.
- Jun 26 Field-day meeting, 7:00 p.m.
- Jun 28 VE Testing
- Jul 10 EARS meeting, 7:00 p.m.
- Jul 17 Board Meeting, 7:00 p.m.
- Jul 19 Monthly Breakfast, 8:30 a.m.
- Jul 26 VE Testing
- Aug 16 Monthly Breakfast, 8:30 a.m.
- Aug 16 EARS Picnic, 03:00 p.m.
- Aug 21 Board Meeting, 7:00 p.m.
- Aug 30 VE Testing

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Welcome to June's All EARS

By Steve Venner, W6TAN



Welcome to June's ALL EARS...

As usual, I'd like to say many thanks to all of you who provided the articles this month.

This month is a bit of a 'Field Day' special edition, so I thought I'd get you in the mood and show you some pictures of EARS Field Days Past...



73 and good luck in the 'contest'!
Steve, W6TAN.

The Presidential Prose

By Mike Hightower, KF6SJ



It's Field Day time!

The biggest operating event of the year is the last weekend of this month.

Field Day is an annual ARRL sponsored event having the objective of operating in abnormal situations.

Our club will be erecting antennas on a hilltop at Dixon Lake on the Friday afternoon of June 27th, and we will be operating continuously over a 24 hour period from Saturday morning until Sunday morning.

It is a great opportunity to operate radios, learn some new ham skills, hang out with other hams, and eat some good food.

We have a cookout on Friday night after setting up the antennas and on Saturday night, we serve dinner to all the ham families and friends. All are welcome.

We have a great location. Here is the view to the southwest from our operating site high atop a hill above Dixon Lake.



Here is one of our stations (GOTA) from the 2012 Field Day event.



Come on out anytime over the weekend. Everyone is welcomed to operate, log contacts for an operator, or just eat.

Hope to see everyone at Dixon Lake.

Happy operating and 73,
Mike, KF6SJ

Verbal from the VP

By Matt Tucker, N6EAI



Location, location, location:

EARS meetings have moved.

The meetings will be at the Pacific Western Bank building at:

900 Canterbury Pl,
Escondido,
CA 92025

(Just east of the Mercedes dealer near 9th Avenue and Interstate 15).

Suite 300 is on the third floor (take the elevator up). I will have signs up inside the building to help guide people in.

It is a great location in central Escondido; the freeway is close, has a great view, is very nice, has good acoustics and is ham friendly in that it is free.

Google maps link:

<https://www.google.com/maps/place/900+Canterbury+Pl/@33.1081798,-117.0931987,265m/data=!3m1!1e3!4m2!3m1!1s0x80dbf4886eb6b7a3:0xf8db697572dbd8d9>



May's Meeting:

Thanks to Dan Hendricks from OSML (Open Source Maker Labs) for presenting during our May meeting. Dan wants to get hardware and knowledge into the hands/brains of the next generation of tinkerers/engineers/business owners:

<http://www.opensourcemakerlabs.com>

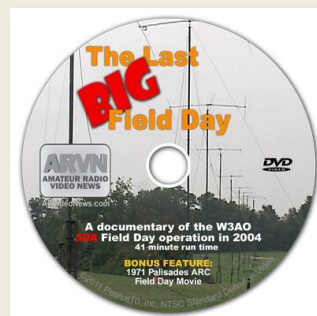


June's Meeting:

The Thursday June 12th EARS meeting will be all about field day!

Remember it is at our new meeting place listed at the top of my article.

The main event will be watching "The Last Big Field Day", which is a very well done documentary style video about a club that does field day in a very big way.



We will also have some discussion about the upcoming EARS 2014 field day (June 28th and 29th) along with pictures from past years.

So, if you have a past or present Field day shirt, wear it.

CQ field day!

More Field Day

By John McNelly, AF6UA



Field Day is fast approaching -- It's always the fourth full weekend in June.

We'll be at Dixon Lake in our usual spot at the "semi-circle".

Set-up begins on Friday afternoon (we'll be serving dinner to those of you *who help set up*), and we go loud at 11:00 AM on Saturday, finishing at 11:00 AM on Sunday, after which we'll be tearing down the antennas.

We need as many hands as possible to do the set-up on Friday afternoon and tear-down on Sunday, please make every attempt to help out.



EARS is operating as a "2A" station.

The "2" is the maximum number of simultaneously transmitting HF stations, and the "A" means "3 or more persons, portable" -- that is, we're operating under adverse conditions, simulating a disaster response after, say, the Big One. We're going to score extra points by using emergency power only (such as generators and batteries).

Other station categories include "B" for "1 or 2 persons, portable", "C" for mobile (think "C" for car), "D" for "at-home", "E" for "at-home/emergency power", and "F" for an Emergency Operations Center (EOC).

We're also going to have a Get On The Air (GOTA) station and a VHF station (neither of which affect our "2A" classification).

Our thanks go to Sam Bradsher, who is loaning us his cool call sign, N6SD for the event.

Normally, the 2 HF stations are SSB (voice) and CW. This year, we're trying something a little different...

The CW station, captained by Mike Hightower, will be configured to do both CW *and* RTTY and other data modes.

Woo-hoo!

Hams who are generally inactive on HF and non-hams will be able to test their luck making HF contacts at the GOTA station.

So if you're not sure what HF is all about, this is a good opportunity to get on the air with a mentor right there to guide you.

To sign up for a position as either a logger or operator, contact the station captains:

CW/Data:	Mike Hightower
SSB:	Matt Tucker
VHF:	Zac Petersen
GOTA:	Bud Hennessey

Contact info for all on main page at:

<http://www.earsclub.org>

If you're a little nervous about operating, and don't want to sign up for a slot, that's OK -- just drop by the camp site and watch for a little while, and if you feel like it, try it out. Maybe get a few contacts on the GOTA station, then cycle through the other stations.

Saturday night dinner starts at 6PM. We're getting food donated, so no obligation to buy a platter from Costco, but if you do have a special dish you'd like to prepare, by all means, bring it.

For general questions about Field Day, contact John McNelly at ears@mcnelly.org or 858-449-3326.

International Style On-Foot T-Hunt

By Matt Tucker, N6EAJ



An International style on-foot T-hunt was held May 17 2014 at Penasquitos Creek Park.

It was run by the San Diego T-hunt group:

<http://www.sdthunters.com>

On-foot T-hunts are the most simple. You just need a directional antenna, a radio with a signal strength meter, and an RF attenuator.

Me next to the SDthunters sign with many of the antennas lined up on the ground.



The international style T-hunt is growing in popularity in the U.S. Traditionally you have five hidden "foxes".

They take turns transmitting their identification in Morse code.

You don't have to know Morse code as all transmitters send out "MO" (dah dah for M, dah dah dah for O). Then the third character is one through five dits..... one dit for transmitter #1, two dits for transmitter #2. Since one dit is E and two dits are I....., this is referred to as the MOE-MOI-MOS-MOH-MO5 format. You can just listen for the dahs and then count the dits after to know what transmitter is broadcasting.

Each Transmitter is on the air for one minute before it goes off and the next transmits. Once you find

the transmitter (you are actually looking for an orange flag that will be close to the antenna), you will use the unique paper punch that is attached to punch your paper so there is no question that you found the fox.

This goes on until you find all five transmitters, run out of time, or are so pooped out that you return to base.

For this Penasquitos Creek Park hunt, we had been out for over three hours and the BBQ was starting so we decided to head back with four of the five transmitters found.

One of the transmitters with the paper punch attached to it.



To say it was great exercise is an understatement.

Of course better T-hunters are more efficient and spent less time covering ground they have already been down.

T-hunting can also be a great group activity. There were several husband-wife, Father-children, and friend teams that day.

Father-children team with another t-hunter



I paired up with Ed KI6JMK who I knew from college. Ed had more experience doing large on-foot T-hunts and had a lot of great pointers.

Ed KI6JMK tracking a fox



Transmitter #4 was hidden in an Oak tree that was surrounded by poison ivy. If you didn't know what poison ivy looked like before the T-hunt, you would be well aware of it by that evening.

It took a well planned path to approach it without rubbing against the leaves.



Back in July of 2012, Joe N6SZO and Joe KE6PHB came to EARS to talk about T-hunting. They spend a huge amount of time (and money) planning and setting up an event like this. Thanks for your work guys.

Joe and Joe at the table helping people register and get ready.



Current EARS Membership

By Steve Venner, W6TAN



This past month, there were yet another 7 new members joining:

Cory Edelman, KK6MAY
Dora Gallego, KK6MBA
Dennis Goetz, KK6MBB
Elena Goetz, KK6MBC
Mike Honsberger, KK6MBH
June Honsberger, KK6MBI
Ryan Keiser, KK6MBL

Here's a big EARS welcome to all of you!

Therefore, the current EARS membership as of the 11th June, 2014 is:

- Life: 56
- Paid (2014+): 77
- Total: 133

San Diego Fires

By Teri Bloom, W6TRB



This last May, fire was ripping thru San Diego County. I live in Carlsbad, less than 5 miles from the fire here.

As soon as I got the news of the fire in Carlsbad, I grabbed my dog's & cat's kennels, my go bag, my computer, my radios and my 12 V power source and placed them near the front door.

I loaded my car with a change of clothes, sleeping bag, small tent, water, dog & cat food and their food bowls, phone charger, and other misc items.

While waiting for a possible evacuation order, I went thru my go bag several times, taking some things out, adding others. My radio was on and I stayed by the TV and internet also.

I have relatives in Colorado that were texting, wanting info. I grouped them into a group conversation and sent updates as needed.

When I was able to sleep, I slept with the TV and radio on, my phone next to my ear.

After 3 days of worry, the fire was past me. It was still burning in Camp Pendleton, San Marcos and Lake Hodges, but it was out in my area. The wind had died and the fire departments and military had confined the fires.

I have since driven past several burn areas and am in shock as to how much burned in such a short time. This disaster taught me what to pack and evacuation routes to take.

It is always a good idea to take a few minutes to see what you have in your go bag, in your earthquake preparedness kit and generally to take time to make sure you are prepared for the future emergencies.

For more practice we have upcoming Field Day

Make sure to take a couple of hours to volunteer and practice good radio etiquette, it can be a very important training for future emergencies. See you all at Field Day!

73

Teri W6TRB

Just Passing Thru'

By Steve Venner, W6TAN



For those of you who are also members of PARC – you might just recognize this fellow and his young lady...

While on a tour around Europe, Ron Pollack, K2RP and his young lady Rinky decided to drop in to London and say "Hi!" I wonder who'll be next...



EARS Elmer List

By Steve Venner, W6TAN



Here is the current list of those kind souls who have volunteered their Elmer services:

1. Harry Hodges, W6YOO
 - *Award programs such as WAC, WAS, DXCC, VUCC, IOTA, etc. to include card checking.*
2. Dick Kalkofen, K6KAL
 - *Software development and hardware interfacing.*
 - *Radio to PC communications.*
 - *Logging Software: WinTest, Writelog, DX4Win, N1MM, Ham Radio Deluxe and many others.*
 - *Digital mode software, link FLdigi, MMTTY for PSK, RTTY, WISPR, JT65 etc.*
 - *Kit building (WinKeyer USB, FA-SM CW/Voice Keyer, Idiom Press Voice Keyer.*
 - *Antenna setup and tuning.*
3. Matt Tucker, N6EAJ
 - *General electronics (analog), power supplies, audio, batteries.*
 - *PSK31 and similar digital modes.*
 - *Operating and setting up the computer/radio interfaces.*
 - *Basic antennas (VHF for home or car), HF dipoles and multi-band doublets / antenna tuners.*
4. Mike Hightower, KF6SJ
 - *HF and in particular, digital modes of PSK31 and JT65.*
5. John Musselman, N6EP
 - *HF, electronics, contesting, "other"...*
6. Marvin Munster, W6MJM
 - *Emergency Power Sources, Batteries, Solar, etc.*
 - *DC Cables and Hook-Up*
 - *Coax Cables and Connector Assembly*
 - *DC Power Distribution*
7. Ron Pollack, K2RP
 - *Antique and tube equipment (boat anchors)*

Opportunity Drawing Update

By Teri Bloom, W6TRB



At the last opportunity drawing we had the Fox Delta Antenna Analyzer as the main prize:

This item was donated to us by EARS member - Bud AE6BH.

He also offered to build the Antenna Analyzer for the lucky opportunity drawing winner!



And the lucky winner was Ron, KJ6VMT. Well done Ron!

As well as the antenna analyzer, it was planned to have another great kit on offer (the TenTec QRP transceiver kit). Unfortunately, this did not materialize.

At the next drawing, we will have the Powerwerx DB-750X Dual Band VHF/UHF 750 Channel Commercial Mobile Radio:



Opportunity drawing tickets will once again be on sale at June's meeting.

73

Teri, W6TRB

General Information

EARS Club Officers for 2014:



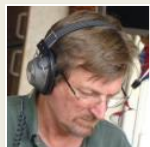
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mike@hightower.com



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mail4tucker@gmail.com



Secretary

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n6ep@arrl.net



Treasurer

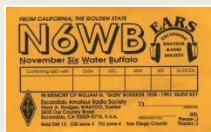
Teri Bloom, W6TRB
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About ALL EARS:



ALL EARS is the official bulletin of the Escondido Amateur Radio Society.

An e-mail subscription to **ALL EARS** is FREE!

You don't need to be a member. Just drop a note to:

allears@earsclub.org

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Note: The deadline to submit material for the bulletin is by the 1st Thursday of the month.

Officers at Large:



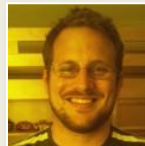
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kb6nmk@amsat.org



Zac Petersen, KJ6MLT
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kj6mlt@earsclub.org



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(760) 803-1866
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Non-elective:



Past President

Jeff Murdock, AE6GM
(760) 622-5346
cozy765@pacbell.net



Historian

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(760) 743-4212
w6yoo@cox.net



Webmaster and Newsletter Editor

Steve Venner, W6TAN
+44 1895 636099
w6tan@earsclub.org

General Information cont'd

SUNDAY EVENING NET

EARS Sunday evening net is every Sunday at 8 p.m. local time. You can get the latest information on club activities there.

Just tune in to the club's 2m repeater at 146.88 MHz, negative offset and PL of 107.2, check in and say "Hi!".

SECTION NEWS

The latest happenings around San Diego are available at the official website of the ARRL San Diego Section:

<http://www.arrl.org/Groups/view/san-diego>

EARS PINS

EARS 2010 Board had EARS lapel pins made. They are yellow 1" circles with the EARS Logo in the middle.

They are only \$5.00 each, so get yours today by contacting: Robert Kitson; ki6sbl@earsclub.org

AMATEUR RADIO LICENSE RENEWALS AND CHANGE OF ADDRESS

To renew your license or supply the FCC with a change of address, use NCVEC Form 605 (obtainable from Harry, W6YOO).

Attach a photocopy of your license and mail to:

SANDARC VEC,
5511 Maryland Drive,
La Mesa,
CA 91942-1519.

Note: You **MUST** include your FRN Number.

There is no charge for this service.

HAM RADIO LICENSE PLATES

All California hams may receive their call sign on their license plate.

Use DMV Form REG17A. The cost is \$21.00 and is a one-time fee.

VE TESTING

A SANDARC Volunteer Examiner team administers license examinations on the last Saturday of each month at 9:00 a.m. at:

LDS Church
2255 Felicita Road
Escondido,
CA 92026

For more details, see:

http://www.earsclub.org/ears_ve_sessions.html

Contact Harry, W6YOO, at (760) 743-4212 or w6yoo@amsat.org to schedule an appointment.

SANDARC

"EARS" is a member of the San Diego Amateur Radio Council, an association of San Diego area Amateur Radio clubs.

Among other things, SANDARC runs the local Volunteer Examiner program (SANDARC-VEC), and manages the ARRL southwestern Division Convention when held in San Diego every fourth year. See www.sandarc.net

CLUB REPEATERS

"EARS" operates three repeaters in the Escondido area.

- 146.88 MHz, minus offset, PL 107.2
- 224.14 MHz (AE6GM repeater), minus offset, PL 156.7
- 449.24 MHz, minus offset, PL 127.3

The 2m and 70cm repeaters are local in nature and primarily serve the immediate Escondido area.

ECHOLINK

The 2m repeater is tied to the EchoLink system as node 2846.

See the Club website, www.earsclub.org for information on EchoLink.

There is also a listing of local EchoLink codes in the members section of the website.

General Information cont'd

EARS WEB PAGE

"EARS" is on the Internet!

You can read about upcoming activities, get links to other ham radio sites, read back issues of All Ears, or update your call or address.

The site is updated regularly. Check it out at www.earsclub.org

EARS REFLECTORS

These are free services that keep members up-to-date via e-mail.

To subscribe to either one of the reflectors, go to the EARS website and click on the Yahoo or Google Group links at the bottom of the main page.

We are also on Facebook!

CHANGE OF ADDRESS OR CALLSIGN

Please let us know if you change your address, call-sign, telephone, license class, e-mail, etc.

We want to keep our records up to date, so please contact any club officer with the updated information.

CLUB BADGES

Let everyone know that you are a member of EARS, and avoid having them guess what your name is.

Get your Club Badge from:

Glaser Bailey,
2015 S. Escondido Blvd,
Escondido,
CA 92027
(760) 743-5551

MONTHLY BREAKFAST

EARS members meet socially on the third Saturday of each month at 08:30, at:

J and M's Family Restaurant,

1215 East Valley Parkway
CA 92027

(760) 745-3710
www.jandmsrestaurant.com

ARRL LETTER

The ARRL Letter, a weekly e-mailing of Amateur Radio related news, is available to ARRL members free of charge directly from ARRL HQ.

To subscribe for e-mail delivery, ARRL members first must register on the Members Only Website, www.arrl.org/members.

The ARRL Letter is also available to all, free of charge, at www.arrl.org/arrlletter where it is posted each Friday after it is distributed via e-mail.

EARS HATS, SHIRTS AND JACKETS

Hats, shirts and jackets are available with the EARS logo.

Order them directly from:

Print World,
107 S. Andreasen Dr.,
Escondido,
CA. 92029
(760) 747-6443

Just let them know you are a member of EARS.

Emergency Services

MONTHLY ARES® MEETING

The San Diego section ARES® meets on the second Saturday of each month at 8:00 a.m. at:

Scripps Memorial Hospital,
Nobel Room,
Schaetzel Building,
9890 Genesee Ave,
La Jolla,
CA 92037.

Parking is available in the first lot to the right after the guard shack. The parking fee is \$4.00 and is antenna friendly.

If interested, go to www.sdgares.net or contact Steve Early, Section Manager, (619) 461-2818, or via e-mail at ad6vi@arrl.org.

EMERGENCY SERVICE NETS

Amateur Radio Emergency Service (ARES) San Diego

Sunday, 08:30 146.730 (-) 107.2

Community Emergency Response Team (CERT) Escondido

Tuesday, 19:00 146.880 (-) 107.2

Followed by 146.445 SIMPLEX, as directed

Community Emergency Response Team (CERT) North County and Back Country

Wednesday, 19:00 147.030 (+) 103.5

Followed by 146.445 SIMPLEX, as directed (on 2nd & 4th Wednesdays)

Radio Amateur Civil Emergency Services (RACES) San Diego County

Monday, 7:30 PM 147.195 (+) 114.8

Escondido Amateur Radio Society

Membership Application and Renewal Form

*Call _____

*Last Name _____

*First Name _____

*Street Address _____

*City _____ *State _____ *Zip _____

Home Phone _____

Cell Phone _____

*Email _____

License Expires _____

EARS Family Members _____

License Class _____

First Licensed _____

Old Calls _____

Date of Birth _____

ARRL Member (Y/N) _____ Life Member (Y/N) _____

Amateur Related Interests _____

ARRL, RACES, ARES, SATERN, Red Flag, HF, VHF, UHF, Packet, EchoLink, D-Star, T-Hunt, ATV, Field - Day, Contests, Antenna Design, Equipment Building

Are you willing to run for a club office (Y/N)? _____

Note: Fields marked with a (*) are required.

A Telephone number is requested, but may be unlisted in the roster if you prefer.

Membership Rates:

One year \$15.00
 Family membership \$4.00
 Lifetime membership \$150.00
 Lifetime membership (family) \$38.00

Mail this form with payment to:

EARS,
 PO Box 3243,
 Escondido,
 CA 92033,

Or give it to the treasurer or any other club officer at a regular club meeting.

Checks please, it is safer than cash, and you have a record!

Membership is from January 1 to December 31.

After July 1, membership to the end of the year is ½ the annual fee.

Special rates apply for family membership for each additional licensed amateur radio operator in your immediate family and for lifetime membership.

For membership confirmation, include a self addressed stamped envelope with this form.