

ALL EARS

www.earsclub.org

The official bulletin of the Escondido Amateur Radio Society – N6WB July 2012

July's meeting details



Our July 12th presentation will be given by, Joe, N6SZO and Joe, KE6PHB on the topic of serious T-Hunting.

They will be covering all the necessary guns and ammunition.

We hope to see you there...

EARS Event Calendar - 2012

- Jul 12 Regular Meeting, 7:30 p.m.
- Jul 19 Board Meeting, 7:00 p.m.
- Jul 21 Monthly Breakfast, 8:30 a.m.
- Jul 28 [VE Testing](#)
- Aug 12 EARS Picnic (**Sunday**)
- Aug 16 Board Meeting, 7:00 p.m.
- Aug 18 Monthly Breakfast, 8:30 a.m.
- Aug 25 [VE Testing](#)
- Sep 13 Regular Meeting, 7:30 p.m.
- Sep 15 Monthly Breakfast, 8:30 a.m.
- Sep 20 Board Meeting, 7:00 p.m.
- Sep 29 [VE Testing](#)

Inside this issue

Welcome to July's ALL EARS	Page 1
Program Director's Report	Page 2
Current EARS Membership	Page 2
City Honors Field Day	Page 2
Field-day 2012 round-up	Page 3
Emergency Services	Page 7
EARS Elmer List	Page 7
Technical Challenge	Page 8

Welcome to July's ALL EARS

By Steve Venner, W6TAN



Hi everyone,

I only received two articles this month, but did get many photos of EARS field day activities.

Seeing all of the photos brought back some wonderful memories, and I sure wish I could have been there with you guys. From what I understand, a fun time was had by all!

I listened on several occasions, but band conditions didn't allow me to work the West coast. Maybe it'll be better next year when my antenna will be in a more permanent (better?) position.

In the meantime, many thanks to the following people for sending me the photos used in this edition:

Vince Sheetz, W6CD,
Gail Edwards, KB6GEE,
Jon Landon, KG6GOV

I'd also like to say a belated thanks to Matt Tucker, N6EAJ, for supplying the Dayton Hamvention photo in last month's edition.

Best wishes,
Steve, W6TAN.

Program Director's Report

By John Belstner, W9EN



Here's a summary of some EARS presentations coming up in the next few months...

July's Presentation:

Our July 12th presentation will be given by, Joe - N6SZO and Joe - KE6PHB on the topic of serious T-Hunting. They will be covering all the necessary guns and ammunition.

August's Presentation:

Not a presentation as such – it is the EARS annual Picnic at Rod McLeod Park, and is planned to take place on **Sunday, August 12th**.

September's Presentation:

Our September 13th presentation will be given by one or more members of the PAPA System to discuss the latest goings on with D-Star. It's not all about Icom anymore which makes it exciting for experimenters.

Current EARS Membership

By Steve Venner, W6TAN



There were no less than six new members joining EARS this month:

Dan Edwards, KF6PDJ
Gail Edwards, KB6GEE
Paul Varesio, KJ6VXM
Howard Groveman, W6HDG
Pillai Harish, KJ6WWN
Anita Pottekat

Welcome aboard one and all!

With all of the new members joining, the current EARS membership as of 11th July, 2012 is:

- Life: 51
- Paid: 72
- Total: 123

City Honors Field Day

Information provided by Robert Kitson, KI6SBL

As Robert Kitson, KI6SBL mentioned last month, in honor of our Field Day activities, EARS was selected to receive a Proclamation from the Mayor of Escondido at the City Council Meeting on Wednesday, June 20th.

Our very own VHF/UHF Band Captain and Emergency Services Coordinator, Fred McDavitt, W6PBR accepted the Proclamation on behalf of EARS.



Every member of EARS was encouraged to attend the meeting – a few who did are shown in the photo below:



For those that couldn't make the meeting, but would like to have seen the proceedings, here's a link to see what you missed:

<http://www.escondido.org/city-council-video-library.aspx>

Field-day 2012 round-up

By Vivian Wentworth-Kitson, W6NWF



EARS Field Day 2012 began at 8:00 a.m. when John Magnone, KG6DVE and Jon Landen, KJ6GOV arrived at my QTH to begin the process of packing the vehicles for the convoy to Dixon

Lake.

Actual set-up began at around 11:00 a.m. on Friday and continued to about 6:00 p.m., when we broke for dinner.

I was very impressed with the gentlemen who got the antennas and their stations up without a hitch.

Friday evening, Marvin Munster, W6MJM served us a wonderful tri-tip dinner with all the fixings.

Scrumptious! Thank you, Marvin...

The Operator/Loggers class began at 9:00 a.m. at the SSB Station, and operating began in earnest at 11:00 a.m. Saturday morning.

Also at 11:00 a.m. Saturday, Susan Sheetz, came to the site with lunch made for the operators. Thank you, Susan, so much for doing this for the operators.

Also at 11:00 a.m. Saturday, the EARS geo-cache began. Peter Steele and his daughter were the first to "find" the cache and won the prize – an ARRL GOTA pin.

As I walked around and stuck my head in at each station during the day, the contacts were coming and everything was going very well.

At 3:00 p.m. Saturday, our very own ranger Kathy Boyd, KA6OYD brought her solar telescope, and gave a presentation about sunspots and ham radio. We had the opportunity to view the sun and see what it was doing through her telescope. (Do not ever look at the sun directly!!!!)

Thank you, Kathy.

The well-attended pot luck dinner was at 6:00 p.m. Saturday night.

Thank you to everyone who brought food, sodas, waters, and ice.

Operating continued straight through to 11:00 a.m. Sunday, when Field Day 2012 was officially over.

I was quite impressed with the speed and efficiency with which tear-down proceeded.

Tear-down of our site started promptly at 11:00 a.m. Sunday and we were pretty much offsite by 2 p.m.

Several of us stayed Sunday night and left Monday morning.

Special "Thank You's" go to Harry Hodges, W6YOO and Gary Lockard, W6BRV from whom EARS borrowed the structures at the CW Station and the GOTA station. Without these towers, EARS Field Day would have been very different.

I would like to thank each and every one of you who were there for setup, operation, teardown, or just stopped by to say "Hi!!"

The Band Captains – what more can I say. I am very proud of the band captains:

Vince Sheetz, W6CD -- SSB
Steve Alborn, KE6PY -- CW (and Tower Manager)
Fred McDavitt, W6PBR -- VHF/UHF
Tom Lettington, N6TFL -- GOTA
John Musselman, N6EP -- Antenna Manager

I don't know where EARS and Field Day would have been without them.

These gentlemen worked very hard in all the preparation, setup, operation, and tear-down of our site.

The contacts for the band stations are:

SSB -- 928
CW -- 1053
VHF/UHF -- 35
GOTA -- 119

This gives a total of 2135, which translates to a lot of work on the operators' and loggers' parts and for this they deserve a hearty "Thank you."

Our final total for submission is still being calculated. As soon as we have a final total, it will be released by email.

Well done, everyone.

A special "Thank You" to others without whom Field Day would have been more chaotic:

John Magnone, KG6DVE – PR/Greeter and Breakfast Captain

Robert Kitson, KI6SBL – Food Captain

Susan Sheets – Saturday Lunch Captain

Kathy Boyd, KA6OYD – Sunspot Presentation

Thank you, Jeff Murdock AE6GM, for compiling the report and submitting it to ARRL.

As always, no event goes without something being lost and something being found. If you have lost something at Field Day, or found something, or something extra went home with you, please let me know.

We will try to get things to their rightful homes.

Thank you everyone for making EARS Field Day 2012 a tremendous success!!!

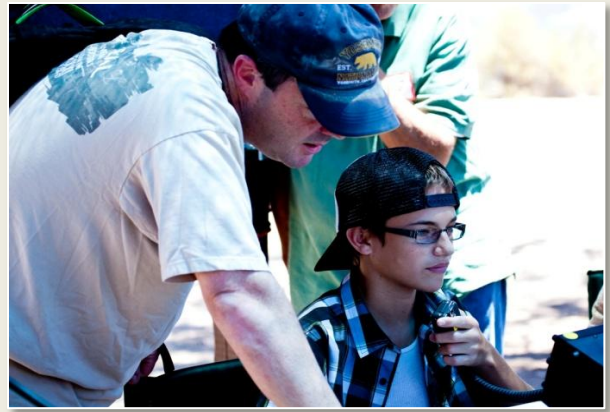
73 de

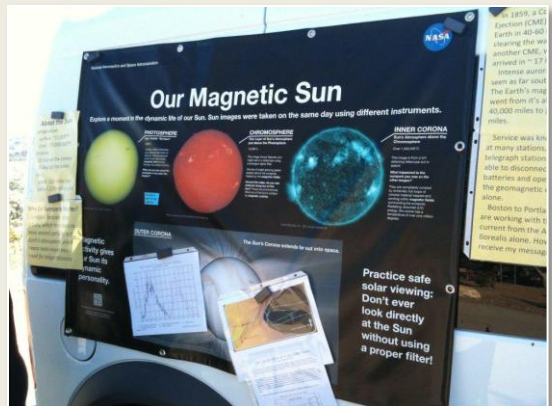
Vivian Wentworth-Kitson, W6NWF

EARS Field Day Chairman 2012

w6nwf@arrl.net







Emergency Services

By Fred McDavitt, W6PBR



The HAM Radio community provides an ever ready source of emergency service capability to local fire, police and emergency preparedness organizations in an era of ever decreasing public resources.

Over the 4th of July, HAMs provided San Diego County back country surveillance, via Red Flag patrols for Cal Fire, were on the lookout for citizens participating in dangerous practices that could lead to fires and injury, such as unauthorized use of fireworks as well as unexplained smoke and fire in wilderness areas. These HAMs are trained at reporting directly to Cal Fire.

Volunteer members of the North County Back Country CERT Net, and other interested HAMs participated in an ad hoc Safety Awareness Net on the ECRA repeater from 10:00 AM to 9:00 PM.

This was not an officially sponsored exercise and not part of the Cal Fire Red Flag operation. It was, however, an opportunity for HAMs who were driving the roads and trails of the San Diego County back country to remain vigilant and report their observations to Net Control on the ECRA repeater, 147.030 MHz, who, in turn, then relayed that information to Cal Fire as appropriate.

These dedicated HAM volunteers did this on their own time and at their own expense and risk. They were a "force multiplier" for the Red Flag operations and increased the overall area of coverage at any given time.

Well Done!

Fred - W6PBR

EARS Elmer List

By Steve Venner, W6TAN



As there have been no further volunteers for the EARS Elmer program, as previously - until the website Elmer database is complete, here again is the current list of those kind souls who have volunteered their 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"...*

Technical Challenge

By Steve Venner, W6TAN



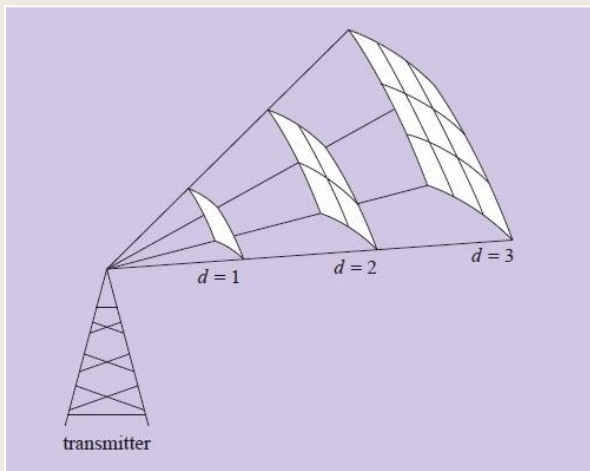
This month's technical challenge is to do with antennae and propagation.

I am sure you know that as you move further away from a transmitter, the power you

receive becomes smaller.

Some of you may even know that in a free space environment (i.e. when there is no other matter nearby to affect propagation); the power received as you move away from the transmitter varies according to the inverse-square law ($1/d^2$).

For an isotropic antenna – it looks something like this:



However, in a more realistic environment, the power received as you move away from the transmitter varies according to the inverse-cube law ($1/d^3$), or even the inverse-fourth-power law ($1/d^4$)!

So here's the challenge:

Assuming that the scenario is in an urban environment, and that the propagation varies according to the inverse fourth-power law:

If a receiving antenna is initially placed at a distance of 100 meters from the transmitting antenna, it receives a signal of 102.4 mW.

- What power will be received by the receiving antenna if the distance to the transmitting antenna is **increased** to 300 meters?
- What is the change in power in dB?
- If the distance is further **increased** to 400 meters, what is the power received by the receiving antenna now?
- What is the change in power in dB?

Well, that's it for this month – I hope you enjoyed the challenge. The answers will be published next month.

73,
Steve, W6TAN

General Information

EARS Club Officers for 2012:



President
Robert Kitson, KI6SBL
(760) 715-2876
ki6sbl@earsclub.org



Vice President
John Belstner, W9EN
w9en@arrl.net



Secretary
Vince Sheetz, W6CD
w6cd@earsclub.org



Treasurer
Teri Bloom, W6TRB
w6trb@earsclub.org



Emergency Services Coordinator
Fred McDavitt, W6PBR
(760) 737-6837
mcdavitt_fred@cox.net

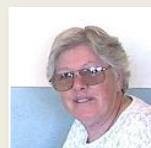
Officers at Large:



Jeff Murdock, AE6GM
(760) 730-3657
cozy765@pacbell.net



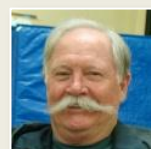
Michael Hightower, KF6SJ
(858) 613-9240
mike@hightower.com



Jo Ashley, KB6NMK
(760) 741-2560
kb6nmk@amsat.org

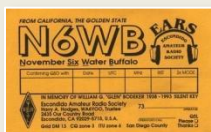


John McNelly, AF6UA
(858) 449-3326
ears@mcnelly.org



Marvin Munster, W6MJM
(760) 747-2223
w6mjm@amsat.org
+ *Property Manager*

About ALL EARS:



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

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

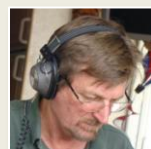
You don't need to be a member. Just drop a note to:

allears@earsclub.org

Permission is given to copy any article contained in ALL EARS when not otherwise copyrighted, and provided proper credit is given.

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

Non-elective:



Past President
John Musselman, N6EP
(760) 747-5303
n6ep@arrl.net



Historian
Harry A. Hodges, W6YOO
(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:

The LDS Church,
1917 East Washington Avenue,
Escondido,
CA 92025.

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 REFLECTOR

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.

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 the third Saturday of each month at 08:30, at:

Spires Restaurant,
1215 East Valley Parkway.
CA 92027-2309

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.