

# ALL EARS

[www.earsclub.org](http://www.earsclub.org)

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

## August's meeting details

The next meeting isn't a meeting as such - just a fun gathering of friends for general yakking & eating etc.

As normal, it will be held at Rod McLeod Park in Escondido on **Sunday**, August the 12th.

See Jeff's article in this edition of ALL EARS for more details...

**We hope to see you all there!**

## EARS Event Calendar - 2012

- Aug 12 EARS Picnic (**Sunday**)
- Aug 16 Board Meeting - **Cancelled**
- 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](#)
- Oct 11 Regular Meeting, 7:30 p.m.
- Oct 18 Board Meeting, 7:00 p.m.
- Oct 20 Monthly Breakfast, 8:30 a.m.
- Oct 27 [VE Testing](#)

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## Welcome to August's ALL EARS

By Steve Venner, W6TAN



Hi everyone,

Once again, I only received two articles this month... It's probably due to everyone watching the US doing well in the Olympics!

Many thanks for Jeff, AE6GM, and Teri, W6TRB for making the effort.

Hopefully next month, we'll have some more interesting stuff to publish, along with some photos of the EARS picnic!

73,  
Steve, W6TAN.

## EARS Picnic

By Jeff Murdock, AE6GM



The EARS Club picnic will be Sunday, August 12<sup>th</sup> this year at Rod McLeod Park (the same park as last year) from 11-ish to afternoon-ish.

The club will be providing hamburgers and hotdogs with all the fix'ns and assorted sodas. We are asking club members to bring chips, dips, and desserts, etc.



John (AF6UA) will be arriving early to save us a spot with some shade. However, if anyone has a pop-up they may want to bring it for some additional shade.

**Also please don't forget to bring your chairs!**

In addition to great camaraderie and tall tales of radio and the DX that got away, Sam (N6SD) is bringing his hidden transmitters. So warm up those radios and unfurl those measuring tape antennas and see if you can find this year's hidden T(s).

Hope to see everyone there.  
Jeff, AE6GM

## Current EARS Membership

By Steve Venner, W6TAN



There were three new members joining EARS this past month:

Pat O'Day, AG6MU  
Joe Rubin, W4CBJ  
William Hennessy, AE6BH

**Welcome aboard one and all!**

With all of the new members joining, the current EARS membership as of 10<sup>th</sup> August, 2012 is:

- Life: 51
- Paid: 75
- Total: 126

## General stuff

By Teri Bloom, W6TRB



Wow! August already!

There have been a lot of ham events already this year and many more exciting events still on the calendar...

This has been a great year so far for DXing and there are predictions for good propagation yet to come.

There are lots of hamfests still on the calendar, both local and across the country.

There are many more opportunities to volunteer:

- Testing is up, so more VEs are needed
- Local events need hams for communications
- School club advisors
- USS Midway (my favorite) needs operators, even the opportunity to volunteer at the San Diego Museum of Natural History for the ongoing Titanic display.

There are so many aspects to ham radio that the opportunity to learn and teach is everywhere. Attending hamfests, talking to Elmers, finding groups on internet, joining different clubs, getting involved in local communities. The list is endless and so rewarding. So get out there and just do it!

## 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 soles

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



Last month's technical challenge was to do with antennae and propagation:

The given scenario was set in an urban environment, and consequently the propagation varies according to the inverse 4<sup>th</sup> power law ( $1/d^4$ ).

The receiving antenna was initially placed at a distance of 100 meters from the transmitting antenna, and it received a signal level of 102.4mW.

- a) If the distance to the transmitting antenna is then **increased** to 300 meters,  $d$  becomes 3, and so the power received by the receiving antenna will be

$$1/3^4 = 1/81 \rightarrow 102.4/81 = 1.264\text{mW}$$

- b) The change in power in dB is given by

$$p_{\text{dB}} = 10 \log_{10} (1/81) = -19\text{dB}$$

- c) If the distance is the further **increased** to 400 meters,  $d$  becomes 4, and so the power received by the receiving antenna will be

$$1/4^4 = 1/256 \rightarrow 102.4/256 = 0.4\text{mW}$$

- d) Again, the change in power in dB is given by

$$p_{\text{dB}} = 10 \log_{10} (1/256) = -24\text{dB}$$

Well, that's it for this month – I hope you enjoyed the challenge. Another one 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](mailto:ki6sbl@earsclub.org)



**Vice President**  
John Belstner, W9EN  
[w9en@arrl.net](mailto:w9en@arrl.net)



**Secretary**  
Vince Sheetz, W6CD  
[w6cd@earsclub.org](mailto:w6cd@earsclub.org)



**Treasurer**  
Teri Bloom, W6TRB  
[w6trb@earsclub.org](mailto:w6trb@earsclub.org)



**Emergency Services Coordinator**  
Fred McDavitt, W6PBR  
(760) 737-6837  
[mcdavitt\\_fred@cox.net](mailto:mcdavitt_fred@cox.net)

### Officers at Large:



Jeff Murdock, AE6GM  
(760) 730-3657  
[cozy765@pacbell.net](mailto:cozy765@pacbell.net)



Michael Hightower, KF6SJ  
(858) 613-9240  
[mike@hightower.com](mailto:mike@hightower.com)



Jo Ashley, KB6NMK  
(760) 741-2560  
[kb6nmk@amsat.org](mailto:kb6nmk@amsat.org)

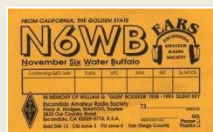


John McNelly, AF6UA  
(858) 449-3326  
[ears@mcnelly.org](mailto:ears@mcnelly.org)



Marvin Munster, W6MJM  
(760) 747-2223  
[w6mjm@amsat.org](mailto: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!

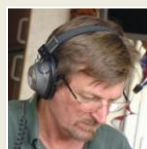
You don't need to be a member. Just drop a note to:

[allears@earsclub.org](mailto: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 1<sup>st</sup> Thursday of the month.

### Non-elective:



**Past President**  
John Musselman, N6EP  
(760) 747-5303  
[n6ep@arrl.net](mailto:n6ep@arrl.net)



**Historian**  
Harry A. Hodges, W6YOO  
(760) 743-4212  
[w6yoo@cox.net](mailto:w6yoo@cox.net)



**Webmaster and Newsletter Editor**  
Steve Venner, W6TAN  
+44 1895 636099  
[w6tan@earsclub.org](mailto: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](mailto: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](mailto: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](http://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](http://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](http://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](http://www.arrl.org/members).

The ARRL Letter is also available to all, free of charge, at [www.arrl.org/arrlletter](http://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](http://www.sdgares.net) or contact Steve Early, Section Manager, (619) 461-2818, or via e-mail at [ad6vi@arrl.org](mailto: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 2<sup>nd</sup> & 4<sup>th</sup> 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.