

# ALL EARS

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

The official bulletin of the Escondido Amateur Radio Society – N6WB October 2013

## October's meeting details

October's presentation will be given by our very own Jeff Murdock, AE6GM, and he will be

presenting about  
Personal Locator  
Beacons.



See Jeff's  
Presidential article  
for more details...

## EARS Event Calendar - 2013

- Oct 10 Regular Meeting, 7:30 p.m.
- Oct 17 Board Meeting, 7:00 p.m.
- Oct 19 Monthly Breakfast, 8:30 a.m.
- Oct 26 VE Testing
- Nov 14 EARS AGM, 7:30 p.m.
- Nov 16 Monthly Breakfast, 8:30 a.m.
- Nov 21 Board Meeting, 7:00 p.m.
- Nov 30 [VE Testing](#)
- Dec 14 EARS Christmas Party, 4:30 p.m.
- Dec 19 Board Meeting, 7:00 p.m.
- Dec 21 Monthly Breakfast, 8:30 a.m.
- Dec 28 [VE Testing](#)

## Inside this issue

|                                      |        |
|--------------------------------------|--------|
| Welcome to October's All EARS .....  | Page 1 |
| Current EARS Membership .....        | Page 1 |
| The Presidential Prose .....         | Page 2 |
| Verbal from the VP .....             | Page 3 |
| Volunteer Opportunities .....        | Page 4 |
| Crazy Old Man in the Corner .....    | Page 4 |
| Battery Back-up for your Shack ..... | Page 5 |
| PARC Operating Day .....             | Page 6 |
| Opportunity Drawing Update .....     | Page 7 |
| Emergency Services Report .....      | Page 7 |
| EARS Elmer List .....                | Page 8 |

## Welcome to October's All EARS

By Steve Venner, W6TAN



Hello everyone, and welcome  
to October's ALL EARS!

Sorry that this month's edition  
is a little later than planned...  
Unfortunately, I'm now working  
full time, and I am in the

process of preparing for this weekend's RSGB  
centennial convention.

Hopefully, if all goes well, I'll be writing an article on  
the convention for publication in November's all  
EARS.

In the meantime, I hope you all enjoy Jeff's  
presentation this evening.

73,  
Steve, W6TAN.

## Current EARS Membership

By Steve Venner, W6TAN



This past month, there were 3  
new members joining...

Donald Keele, KK6DYZ  
Ronald Smitter, KK6GHF  
John Rotondi, WA2OOB

## Welcome aboard!

Therefore, the current EARS membership as of the  
10<sup>th</sup> of October, 2013 is:

- Life: 55
- Paid: 69
- Total: 124

## The Presidential Prose

By Jeff Murdock, AE6GM



For those of you that have been reading my articles, in August, I talked about "National Night Out".

In September it was "Emergency Preparedness Month".

This month is "National Preparedness Month."

Let's not forget that the Great Shake Out is also this month (October 17th). It used to be called the "California Great Shakeout", but now it is called the "National Great Shakeout".

I think the government is trying to tell us something...

I promise not to talk about any of these this time, however, someone did send me a great site on how to prepare nonperishable foods, <http://www.emergencykitcookoff.org>

Just because we are sleeping in the streets after the "Big One", doesn't mean that we can't eat like kings.

Bon Appetit!

### October's Presentation:

The presentation this month will be on Personal Locator Beacons (PLB) and I will be your presenter.



I have used a PLB to save a life. That lifesaving event inspired this presentation.

The presentation will compare the most popular beacons, the pros and cons of each, and what to expect if you should ever find yourself in need of using one. I discuss how

each of the devices communicates through satellites and how your request for help is handed off to the agency that will ultimately come looking for you.

PLBs work, but they have limitations and I will discuss what you can expect after pushing the red SOS button.

In my case it took six and a half hours before the first help arrived. It took another hour for the helicopter and a paramedic to arrive. This meant that I was treating a patient for almost 8 hours. I will cover some of the reason it took so long for help to arrive.

These devices are also abused by many that do not have a serious emergency or those that simply wonder off into the wilderness unprepared. I will cover many of the problems faced by Search and Rescue volunteers when people either activate their PLBs only because they are tired or simple didn't take any water with them.

PLBs can be thought of as the 911 for hikers and campers, reality is that you still must be prepared for any emergency (well not any emergency, you can probably skip alien invasion).

Emergency assistance will be greatly delayed and may now be expensive (up to \$12,000) after new legislation was passed last month in San Diego County.

### EARS Elections:

Lastly, elections for EARS board members will be next month. Please consider supporting EARS as a board member.

This is your club and as a member of the board you help shape the club. It only takes about an extra hour of your time (for most positions) each month. Remember, it takes more than one person to run for a position to have an election, otherwise it is just boring.

If you are interested in a board position, please contact our nominating committee, John Musselman (N6EP), Jo Ashley (KB6NMM) or Teri Bloom (W6TRB). They have all served many years on the board and can answer many of your questions. My thanks to John, Jo and Teri for volunteering to be on the Nominating Committee.

See you Thursday,  
Jeff

## Verbal from the VP

By Matt Tucker, N6EAJ



A big thanks goes to David Tarr, KJ6DFT and the students from Escondido Charter High School for coming to present about their robotics project.

It was good to see young adults having fun with science and engineering.

Pictured from left to right:

Matthew Brewer, Joseph Holliday, David Tarr KJ6DFT, Teresa Brewer N6UZH, Tyler Brewer KJ6ZLT, and Keith Brewer KF6CBX.

Not Pictured: Thomas Cummings, Ethan Louray, Grace and Christina Cruickshank



### October's meeting details:

The October 10th club meeting will feature our very own Jeff Murdock, AE6GM (Mr. President) talking about his experience using a personal locator beacon in an emergency situation to get help.

See Jeff's article for more details.

### Escondido Grape Day Parade.

Mike KF6SF reported on the Grape Day parade in the last All EARS.

Many thanks to Mike for organizing EARS's involvement in the parade.

Here are a few parade/Grape Day related pictures...



Steve  
K16SBQ  
reporting  
for duty:



Watching  
the  
parade go  
by:

My daughter Ellie stomping some grapes; Lots of canopies setup in the background for activities and food:





## Volunteer Opportunities

By John McNelly, AF6UA



### Upcoming Volunteer Opportunities...

Hope you all had a great summer! This fall, there are still a lot of opportunities to get out and have some radio fun,

and do some volunteer work.

**Oct 12: Cuyamaca 100K**  
(Wilderness Em-comm exercise)  
[KG6JEI@amsat.org](mailto:KG6JEI@amsat.org)

**Oct 19: Twin Peaks Ultra**  
(Wilderness Em-comm exercise)  
[rds@twinpeaksultra.com](mailto:rds@twinpeaksultra.com)

**Oct 19: ARES Field Day**  
[k6rjf.rob@gmail.com](mailto:k6rjf.rob@gmail.com)

**Dec 14: Escondido Christmas Parade**  
(EARS Em-comm exercise)  
[john@mcnelly.org](mailto:john@mcnelly.org)

Three of the events are ultra-marathons, where people run between 50-100 km (up to 62 miles) in the wilderness. Hams are needed at the aid stations to help keep track of runners.

There's lots of routine traffic, passing bib numbers back to Net Control, and every so often, you'll pass emergency traffic if a runner develops a medical issue.

It's a great way to test your Em-comm kit and the runners' community really appreciates the help.

### See these sites for more info:

<http://noblecanyon50k.com>  
([KG6JEI@amsat.org](mailto:KG6JEI@amsat.org) to sign up)

<http://www.cuyamaca100k.com>  
([KG6JEI@amsat.org](mailto:KG6JEI@amsat.org) to sign up)

<http://twinpeaksultra.com>  
([rds@twinpeaksultra.com](mailto:rds@twinpeaksultra.com) to sign up)

The Miramar Air Show is a fun day, too -- you get to see the show, and have a friendly rivalry with RACES and the Marines to see who can find the most lost kids (hint: check the games area first).

Contact Bruce Krypton ([bkrypton@pacbell.net](mailto:bkrypton@pacbell.net)) to sign up.

**And you had better pencil in RIGHT NOW Dec 14th to help out at the Escondido Christmas Parade -- next to Field Day, it's EARS's biggest Em-comm exercise of the year!**

## The Crazy Old Man in the Corner

By Robert Kitson, KI6SBL



Every organization has one member that seems to always be stirring the proverbial pot and or causing friction within the club by continually spouting off the club's troubles.

I call it the "The Crazy Old Man in the Corner" syndrome. I find this to be true in every club and I always dislike that guy because he can be so freaking annoying. I mean it's worse than that guy who always doubles on the Nets.

When I meet this guy I try to avoid him. I smile politely at him and wonder to myself what brings a guy like that to be so annoying. How did he get to be The Crazy Old Man in the Corner? When will he just shut up and go away? Doesn't he realize how much friction he is causing?

I always hated that guy until one day, about a month ago I became EARS' Crazy Old Man in the Corner. I ranted and I raged on and on about our treasury situation. I openly complained that we were not holding opportunity drawings at the last 3 or 4 meetings. I rudely asked for a treasurer's report at the September meeting. I emailed the board demanding to know if our bills were being paid. I even showed up at the last EARS board meeting and just sat in the corner and said nothing. I had officially become the Crazy Old Man in the Corner.

Now I know what drives a man to that level of annoyance. I believed our bills were not being paid so I called our insurance company and asked.

Friends, our liability policy lapsed in July because our bill was not paid. When I found out I emailed Jeff and demanded something be done.

I am NOT proud of how I handled the situation and apologize to Jeff for the poorly written email I sent and subsequent replies. I should have calmed down before acting on the realization EARS had no idea if our bills were paid or even where our money is - but I was right. Sometimes the Crazy Old Man in the Corner is Right.

Being right does not justify being mean, but I understand now how it feels to be right and ignored at the same time. I will step aside temporarily and let the board deal with revelations I brought forth.

I don't ever want to see EARS in this type of predicament again. The only way I can promise it won't again is to become your Treasurer.

Please consider voting for me at the November election. I promise to always do my best - and as your Treasurer I can stop being the Crazy Old Man in the Corner.

Thank you.  
Robert.

## Battery Back-up for your Shack

By Marvin Munster, W6MJM



This article is being submitted by Marvin Munster – W6MJM.

Editorial comments will be inserted with ( ) surrounding them.

This is an excellent article on the subject of Battery Backup. It was written for and based on equipment supplied by West Mountain Radio. Other sources for the materials mentioned will be inserted for your convenience.

### Battery Back-up for your Shack – Pt 2.

Steve Blankinship, AG4SO

#### Starting to put it together:

It is good to start any installation by performing a survey of the area to be used. Locate the power receptacle and identify where to locate the best places for the components such as battery, distribution panel and Super PWRgate PG40S to be installed. How long will wiring runs need to be and how you will keep them away from feet and so on.

Keep in mind accessibility for maintenance, especially the battery and fuses. Use the calculator above to ascertain the correct wire sizes. I need a 3' wire between the PWRgate PG40S and battery then between the power supply and PWRgate PG40S then to the RIGrunner 4012. #16 AWG is sufficient. The manual for the Super PWRgate PG40S recommends #10 AWG for the battery wire which would give you plenty of capacity for the 40 amps it is capable of and could encounter in a recharge of the battery. If in doubt use a heavier gauge wire for safety and efficiency. *(It is suggested that wire gauge should not be less than 14 AWG. This size also prevents tangling of small gauge wires.)*

I need a six foot wire between each radio and the power gate, #14 is sufficient. For a computer Interface #24 AWG was correct for one half amps on a six foot run. Remember you can always go up in size but never go down below the load rated size for safety sake.

I mounted the PWRgate PG40S on the top of a plastic marine battery box and the RIGrunner 4012 under my radio bench. Be sure to not create a potential short with in the box between the battery and hardware. The same goes for any hardware that might rub or puncture the battery case. There are preassembled versions of DC Battery Back-up Boxes available by following this link.

<http://www.westmountainradio.com/dc-power>  
<http://www.impulseelectronics.com/dc-12-power-source-series/>

#### Fusing the Battery for Safety:

I chose to use a standard automotive ATC type blade fuse for the battery. These are easy to obtain and DC rated. Resettable D.C. breakers can be used instead of fuses they are however expensive, your choice.

**CAUTION:** Use only D.C. rated circuit breakers.

Everything that is true for fusing A.C. circuits is true in D.C. circuits; but with the addition of one important consideration. D.C. voltages do not go through zero volts twice a cycle like A.C. voltages. What this means is they will not break a D.C. circuit as easily as an AC circuit. What happens is the current wants to keep flowing and sustain the arc that exists when a fuse blows. A fuse will sometimes have two voltage ratings, one for A.C. current, and

one for D.C. current. The D.C. current voltage rating is typically lower for these dual rated fuses. Not only does the voltage not go through zero volts, but the inductive load will want to keep the current flowing whenever the circuit is opened.

An overload is an over current condition where the current exceeds the normal full load capability of the circuit and no short-circuit present. A momentary overload condition (known as inrush currents) often occur when a circuit is first initialized due to capacitors charging and/or motor start up. This is especially common when you start up your vehicle with the radio on.

A short circuit is when a low-resistive path is suddenly created which will cause the circuit current to increase as the circuit resistance is decreased. When this occurs the current can exceed 1000 times the normal current of the circuit. When this happens to a battery it rapidly overheats, swells and can explode and or catch fire. Even if it holds the case integrity it often damages the plates beyond further use.

Remember you want to fuse above the maximum current you expect from the battery but still protect it from a dead short. I chose to use a 50 amp fuse however a 75 amp would work just as well.

**Hint:** Keep spare fuses handy for all the values used in the system. It would be a bad day to blow one during an emergency or training net.

<http://www.impulseelectronics.com/ato-atc-type-standard-automotive-blade-fuses/>

#### Conclusion:

I measured at the battery input as well as the output of the Super PWRgate PG40S. There is a good device for testing and recording parameters from West Mountain Radio. I would suggest: PWRcheck. It handles 8 display modes including voltage, current flow in either direction, wattage or amp-hours measuring 0V to 60V, 40A continuous load. I measured voltage and current at with all equipment on in receive mode as well as transmit first with individual transceivers one at a time then with both transceivers simultaneously operating in full power transmit in to dummy loads, the V/U radios in FM and the HF rig in AM mode and modulating the audio. The voltage held at 13.11V and worse case for the current was 21.6A.

Add the computer interface the power demands at a half of an amp, the system is well within or needs. <http://www.impulseelectronics.com/astro-super-whattmete/>

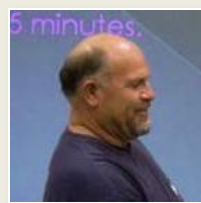
Like any project this has been fun, remember such projects can be a learning experience while adding to your resources. Technology is always evolving so there is always something new to learn. I hope you found this useful.

Have fun and be safe.

73,  
Marvin, W6MJM

## PARC Operating Day

By Dennis Baca, KD6TUJ



The final approval has been received for Operating Day at Fry's.

The date is November 24, 2013.

We plan on being there by 8:00 AM to run through 5:00 PM. We would like to display to the public Amateur Radio and how it support our community.

We are hoping to have Red Cross, SATERN, CERT, Fallbrook ARC, Escondido ARS, PAPA/D-STAR, MESH and other different aspects to demonstrate and educate the public.

Palomar will be bringing the trailer with HF 10/15/20m.

Maybe we can demo packet/winlink, psk31, EchoLink and more.

Let us know who will be coming for a day of fun with Amateur Radio. Bring flyers for your respective clubs.

Dennis  
KD6TUJ  
760-672-0223

## Opportunity Drawing Update

By Teri Bloom, W6TRB



Hello fellow EARS members!

The last opportunity drawing was held at the September meeting.

After the Robotics projects presentation by The Daedalus Project 2839, three of the project members took a turn drawing the tickets for the EARS opportunity prizes.

- 1st ticket drawn was Tom Lettington, N6TFL, who selected the Wouxun KG-UV3D Dual Bank 128 Channel Handheld radio.
- 2nd ticket drawn was again Tom, who selected the Astro Super Wattmeter.
- 3rd ticket drawn was Steven Richards, KI6SBQ (not present) who received the Anderson Power Pole Contact Crimper for 15/30/12 Amp with two interchangeable dies.

Well done to all of the winners, and many thanks to everyone who bought a ticket (or two) to make this another successful EARS event!

This month, again, I was at a loss for suggestions for the Oct opportunity drawing items, so I went to Radio Shack and found these two items.

- 200-0043 Omnidirectional antenna \$79.99
- 610-0074 LED flashlight 4 pack. \$12.99

Total w/Tax \$100.42

This low pricing means we need to sell \$120.50 in tickets. I am hoping we can do this by the November meeting.

We also should think of some items for the upcoming Christmas party. It will be here soon!

## Emergency Services Report

By John McNelly, AF6UA



**San Diego Mini-Maker Faire.**

The "Greatest Show and Tell on Earth" is coming to the Del Mar Fairgrounds on Dec 7<sup>th</sup>:

<http://sandiegominimakerfaire.org>

Find out about the "maker culture", which is a lot like the amateur radio culture, but it covers all technology, not just radio. Just to randomly pick one example, here's a guy that 3D-prints Christmas cookies:

<http://vimeo.com/55967024>

A lot of makers build their own [laser cutters](#), [3D printers that can print out more 3D printers](#), and [milling machines](#), many times from junked consumer electronics. But with the movement taking off, around the country, "makerspaces" are popping up, places anybody can go to rent professional quality fabrication equipment. One recently opened [here in San Diego](#).

So, be sure to go visit the Mini-Maker Faire being held here on Dec 7th. I bet you'll find a really popular "white elephant" gift for the EARS Christmas Party...

### Oct 17th: The Great Shake-out.

This year's "Great Shake-Out" is going to be on Oct 17th:

<http://www.shakeout.org>

During a quake, you should "Drop, Cover, and Hold".

The general guidelines for most situations are:

- Drop to the ground (BEFORE the quake knocks you off your feet anyway).
- Find cover, say, under a sturdy table or desk.
- Then hold on, so that when the table moves around, you stay under it.

Click [this link](#) to see instructions for specific situations (if you're in bed, in a wheelchair, in a high-rise, outdoors on foot, if you're driving, in a theater or stadium, near a shore, below a dam, ...).

Ignore the "triangle of life" email that's been circulating on the internet, it's been discredited by leading experts.

Take a minute and see how you do at this "Beat The Quake" game:

<http://www.dropcoverholdon.org/beatthequake/ga-me>

### Annual Escondido Christmas Parade.

Every year, EARS provides communications support for the Jaycee's Escondido Christmas Parade:

<http://www.escondidojaycees.org/christmasparade.php>

We also will be entering "floats" in the parade (well, antenna-festooned cars). Our entry will be the next-to-last entry, just in front of Santa, so you can do comm support AND be in the parade, too.

Please RSVP to me ([john@mcnelly.org](mailto:john@mcnelly.org)) to sign up as a volunteer and/or to let me know you'd like to have your vehicle in the parade.

All you need is a handheld programmed to the EARS repeater, extra batteries, preferably an earpiece (it can get noisy), and maybe a lawn chair. It's just a morning commitment; you'll be done by Noon.

## EARS Elmer List

By Steve Venner, W6TAN



Here is the current list of those kind soles 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)*



## General Information

### EARS Club Officers for 2013:



**President (Jul-Dec)**  
Jeff Murdock, AE6GM  
(760) 622-5346  
[cozy765@pacbell.net](mailto:cozy765@pacbell.net)



**Vice President**  
Matt Tucker, N6EAJ  
(760) 839-1205  
[mail4tucker@gmail.com](mailto:mail4tucker@gmail.com)



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



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



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

### Officers at Large:



Dirk Reschly, N6SUN  
(760) 743-5839  
[n6sun@earsclub.org](mailto:n6sun@earsclub.org)



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



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

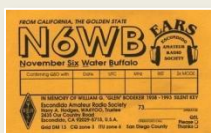


Zac Petersen, KJ6MLT  
(858) 888-6090  
[kj6mlt@earsclub.org](mailto:kj6mlt@earsclub.org)



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!

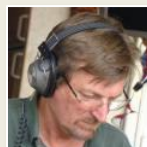
You don't need to be a member. Just drop a note to:

[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:

LDS Church  
2255 Felicita Road  
Escondido,  
CA 92026

For more details, see:

[http://www.earsclub.org/ears\\_ve\\_sessions.html](http://www.earsclub.org/ears_ve_sessions.html)

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:

Due to the fire at Spires, until further notice, EARS breakfast will be at:

316 Mission Avenue,  
Between Escondido Blvd and Centre  
City Parkway

### 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.