

ALL EARS

www.earsclub.org

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

September's meeting details

September's presentation will be given by David Tarr, KJ6DFT and some of his students from the Escondido Charter High School.



They will be presenting about a robotics project.

It promises to be a very interesting presentation – so we hope to see you all there!

See Matt's VP article for some more details...

EARS Event Calendar - 2013

- Sep 12 Regular Meeting, 7:30 p.m.
- Sep 19 Board Meeting, 7:00 p.m.
- Sep 21 Monthly Breakfast, 8:30 a.m.
- Sep 28 [VE Testing](#)
- 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 Regular Meeting, 7:30 p.m.
- Nov 16 Monthly Breakfast, 8:30 a.m.
- Nov 21 Board Meeting, 7:00 p.m.
- Nov 30 [VE Testing](#)

Current EARS Membership

By Steve Venner, W6TAN



This past month, there were no new members joining...

Therefore, the current EARS membership as of the 10th of September, 2013 is:

- Life: 55
- Paid: 66
- Total: 121

Welcome to September's All EARS

By Steve Venner, W6TAN



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

We've had many good articles submitted this month, so I hope you enjoy the read.

A special thanks go to all those who submitted those articles & photos. Good job peeps!

As far as September's presentation is concerned – it looks to be yet another good'un from our VP Matt (with a little assistance from Jo Ashley).

Once again, I'm only sorry I can't be there to see the presentation for myself – Doh!

73,
Steve, W6TAN.

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The Presidential Prose

By Jeff Murdock, AE6GM



For those of those of you the missed the picnic last month, it was a great success!

The weather was great and not as hot as last year.

The T-Hunt was great and the food was delicious.

Matt did an awesome job grilling burgers and hot dogs, while Sam (N6SD) and Daniel (KI6SMU, my son) hid the foxes for a challenging T-hunt.



If you didn't make it this year, hopefully we will see you next year!

My thanks to Matt for putting it together, doing the shopping and the cooking too!

Emergency Preparedness Month...

This month is Emergency Preparedness Month, and I am often asked what to put in an emergency kit.

My initial answer is always, how much do you want to spend, how much do you want to carry and how comfortable do you want to be?

Not much of an answer I know.

Usually how much you want to spend and how comfortable you want to be are inverse of one another.

For example, you can buy a USGS approved nutrition bar for a few bucks, but tastes like

sawdust. Or for 20 bucks you can buy a really tasty MRE.

I am not going to suggest items to put in your emergency pack (in this article), since most of us are CERT members or deal with emergency preparedness at work or worse we have accident prone children.

It seemed like every two years I had a kid in a cast!

I did come across a Red Cross video that explained what NOT to have in an emergency kit, thought I would pass it along:

<http://www.redcross.org/prepare/nationalpreparednessmonth>

Admit it, we all know someone like the guy in the video!

Having the Red Cross apps for your smart phone or tablet can be helpful.

The county has also developed its own app for the iPhone and Android. It includes not only information for the county, but there are also links to individual city's emergency information.

I also like that you can find shelters in your area using the app and then get driving directions to the shelter.

Assuming the cell towers are still up!

For those of you that don't have it yet (and want it), go to the Apple or Google app store and search for:

"SD Emergency"

Next month...

Next month (October) I will be giving the presentation on Personal Locator Beacons. I will also discuss a real life emergency that required the use of a PLB to save someone's life on a Boy Scout trip. Fortunately the Boy Scouts were prepared for this emergency and everything worked out fine.

I hope everyone has a great September with no emergencies.

Jeff

Verbal from the VP

By Matt Tucker, N6EAJ



It was good to see everyone that showed up for the annual EARS picnic.

Here are a few photos for those of you who missed this awesome event:

Ron, N6XT guards the food:



Jo Ashley KB6NMK, Jeff's (AE6GM) son, and feathered friend:

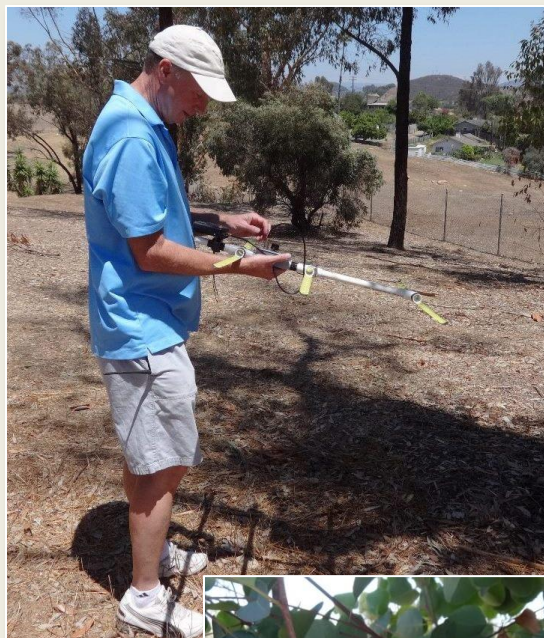


Jeff (AE6GM) flipping burgers:



Although we didn't have too many T-hunt participants, it sure was a lot of fun and thanks to Sam N6SD for bringing his transmitters. Sam and Jeff's son hid the transmitters.

Mike KF6SJ sniffing out a hidden transmitter:



One of the transmitters tucked away into a tree:



September's Monthly meeting.

Our monthly meeting will be Thursday, September 12th.

David Tarr, KJ6DFT is the Director of Robotics at the Escondido Charter High School.

He and some of his students will be presenting about a robotics project, and they will likely have a demonstration with a robot in action!

Thanks to Jo Ashley, KB6NMK for suggesting this presentation!

And finally:

Our very own Steve Venner (W6TAN / G0TAN) who does our newsletter and web site did an in-depth review of the Icom IC-7100 for Martin Lynch & Sons (the largest ham radio company in the UK).



We hope you remember us little people now that you are a famous ham radio reviewer Steve :)

Ed: They say a camera adds pounds...

...Well, it's all true I tell ya!

Autographs are available for a \$5.00 donation to a charity of my choice!

The review can be found here.

<http://www.youtube.com/watch?v=APGdgwjYYnQ>

Escondido Grape Day Parade

By John McNelly, AF6UA



The Escondido Grape Day Parade held recently was a great success.

EARS supports the parade by supplying communications for the parade officials in the

staging areas and along the parade route.

I want to personally thank the following hams for volunteering their time and their efforts on a very hot and humid day:

KG6DVE,	John Magnone
KI6SBQ,	Steve Richards
AF6UA,	John McNelly
N6SD,	Sam Bradsher
N6EAJ,	Matt Tucker
KB6NMK,	Jo Ashley
KJ6MLT,	Zac Petersen
N6EP,	John Musselman
KK6GES,	Zachary Katje

73,

Mike Hightower, KF6SJ

One of our Members is Missing

By Steve Venner, W6TAN



If anyone has seen or heard from our Treasurer: Teri Bloom, W6TRB – would you please inform an EARS club officer?

It's been a while since we last heard from her, and we're a little concerned. We don't know what we've done to upset her, but whatever it is – we're sorry!

Please come back – we miss you and really need you...

For those of you who are thinking about organizing a search party - She's about 5' tall, has red(ish) hair, and usually wear jeans. She also has a feisty personality.

We would normally offer a reward for her safe return – but as you know... We're broke!

Come back Teri – All is forgiven!

Volunteer Opportunities

By John McNelly, AF6UA



Upcoming Volunteer Opportunities...

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

do some volunteer work.

Sep 21: Nobel Canyon 50K

(Wilderness Em-comm exercise)

KG6JEI@amsat.org

Oct 4-5: Miramar Air Show

(ARES Em-comm exercise)

bkripton@pacbell.net

Oct 12: Cuyamaca 100K

(Wilderness Em-comm exercise)

KG6JEI@amsat.org

Oct 19: Twin Peaks Ultra

(Wilderness Em-comm exercise)

rds@twinpeaksultra.com

Oct 19: ARES Field Day

k6rjf.rob@gmail.com

Dec 14: Escondido Christmas Parade

(EARS Em-comm exercise)

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 to sign up)

<http://www.cuyamaca100k.com>

(KG6JEI@amsat.org to sign up)

<http://twinpeaksultra.com>

(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 Kripton (bkripton@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 EAR's biggest Em-comm exercise of the year!

New EARS Breakfast Location

By Harry Hodges, W6YOO



**Change, Change, Change,
Change, Change, Change!**

Since Spire's Restaurant burned down, there has been an undercurrent of dissatisfaction with the Westside Cafe...

So, we will try something else, to wit:

The Golden Egg Omelette House!

Where: 316 Mission Avenue, between Escondido Blvd and Centre City Parkway.

Time: 8:30 a.m.

They have an extensive menu of various egg dishes, stuffed potatoes, enough to satisfy any pallet.

Jerry and I hope to see you all there.

73,
Harry, W6YOO

2013 EARS Field Day Review

By John McNelly, AF6UA



Field Day is a 24-hour exercise in which hams test their skills operating in sub-optimal conditions (we use solar or generator power instead of utility power, operate from field locations, and so on).

We started setting up Field Day at Lake Dixon about 1pm on Friday June 21st, and worked until about nightfall to get the site ready.



This year, due to a booking issue, we were in a different spot than usual -- campsites 11-17, in a cul-de-sac overlooking the lake.

The site worked out fine...

As usual, we operated as 2-Alpha (2A), the "2" meaning we had two HF stations "competing", and the "alpha" meaning we didn't use any grid power, just batteries, solar power, and generators.

They say it's not a competition, but they do post scores. Apparently the scores aren't yet posted on the ARRL website, but our claimed score is 3094 points.

One of the two stations was SSB/data, captained by Dirk Reschly N6SUN, and the other was a CW station captained by John Musselman N6EP.



We also had a VHF station captained by Fred McDavitt W6PBR, and a GOTA station captained by Zac Petersen KJ6MLT (with help from Tom Lettington N6TFL).



Sam Bradsher was kind enough to loan his call sign, N6SD, to the SSB, CW, and VHF stations, and the GOTA station used the club call N6WB (Field Day rules require the GOTA station to use a different call).

Randy Smith K6RND ran the information booth and was the greeter.



John KG6DVE cooked the volunteers a delicious tri-tip dinner on Friday night and some people slept the night to keep an eye on the equipment.



The next morning, at 11:00 AM sharp, we went on the air, and kept going until 11:00 AM on Sunday. Zac handled a lot of public traffic at the GOTA station, including a couple of scout troops.

Ranger Kathy set up an educational exhibit on the Sun, which was a big hit with the cub scouts.



Fred's VHS station was run completely on solar power (at night, the VHF station ran on batteries charged via solar power). Using 100% solar power scored us a "100% emergency power" bonus for the

"competition".

I think the visitor who travelled the most to see us was David Aubuchon KD0BZO, who was visiting Escondido from Missouri, and stopped by our site.

Thanks to everyone who loaned us their equipment -- the generators, radios, trailers, towers, and odds and ends, as well as to those who store EARS equipment in their homes during the year.

Thanks to all those folks who helped bring the site up on Friday; tear it down on Sunday, in the heat, and thanks to all the operators and loggers.



Also thanks to Starbucks for the coffee and Jimbo's for donating food!

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 1.

Steve Blankinship, AG4SO

In this project we will learn a few basics of safely installing a battery backup for D.C. powered equipment in your ham shack. Technology has

evolved in both battery technology and controlling the system. While it may appear to be straight forward to add a battery backup for emergency radio operation in the ham shack there are several considerations the foremost being safety.

Objective:

Provide backup D.C. power to communications equipment with automatic switching between power supply and battery while float charging the battery to maintain a state of readiness for emergencies.

Project Requirements:

We will need a regulated power supply, battery with safety fuses, proper sized wiring, switching circuit between the battery and primary power supply, and a regulator to provide a float charge to the battery. Since I am powering more than one piece of equipment I also need a fused distribution panel; Universal connectors and the ability for quick exchange of equipment in the event of a failure or upgrade. For this I am also incorporating Anderson Powerpole® connectors.

This project while straight forward for the experienced ham may be full of unknowns for the inexperienced. Let's look at some basics for the various items we will need for the project.

Power Supply: Which should I use?

There are several types of power supplies on the market from general purpose to specialized units. For this project we will need a fixed voltage with sufficient current capacity for the project.

If you are looking at surplus power supplies make sure it is a 60 cycle power supply, the wrong frequency power supply such as a 400Hz type used in avionics can damage equipment real fast. A 50Hz will not operate well either.

We need 12V right? Well not exactly, in the specifications portion of manual for your equipment you should find the recommended operating voltage. This is normally the lowest voltage for the radio to operate correctly. Modern D.C. powered ham radios operate at 13.8V +/- 10 to 15 percent depending on the manufacture. Most mobile transmitters will not produce full RF power at 12V and can become unstable below 12V. Never go above 14V it can damage equipment. *(Most*

amateur radio equipment will handle up to 15 Volts. Check your specs.)

Let's look at two of the A.C. to D.C. power supplies common to hams today:

Analog: Consist basically a transformer, rectifier, regulator and filter; they are the time tested, heavy beast most of us have used for years. They are commonly used for fixed voltage applications and heavy duty operations such as repeaters.

Switching: A switching power supply generates a square wave, samples its output voltage then compares it to a reference voltage to regulate its output. It contains a good filter to eliminate internally generated spurious signals. This type of power supply is lighter since it does not contain the heavy transformer traditional analog power supplies rely on. This makes it particle for GO Kits for use when AC power is available. Be careful not to remove the cover unless you are qualified, these power supplies contain dangerous voltages inside.

Voltage and current needs:

Research the manuals of the various pieces of equipment you plan to operate with this backup system. Plan for worse case which is 34 Amps in this case, realistically I will not be transmitting on two radios at one time. This system will handle 35 Amps maximum from the power supply. I am also installing a 50 Amp safety fuse on the battery in case of a catastrophic short, we will discuss why as we talk about fusing the battery for safety.

Batteries:

Warning: These batteries contain highly corrosive sulfuric acid, and can explode if mistreated.

Always use caution working with high current batteries, use safety glasses, rubber gloves when handling acid and always safety goggles when making electrical connections. Keep battery in a plastic container in the shack in case of an acid leak. Never make the last connection not the battery, this could draw a spark and cause an explosion in the presence of vented gasses. Ensure you are properly charging the battery; overcharging charging can cause the battery to overheat and explode. Never short a battery it can explode.

Which type of battery to use? The standard automotive or marine lead-acid was the choice for many hams since it was rugged and cheap. It required outside ventilation when it charged and regular checking of the acid/water level.

Today's technology has made improvements; today's choice is the Valve Regulated Lead-Acid Battery. (VRLA) The VRLA battery is commonly known as a sealed battery; they do not require regular service of the water/acid and vent far less gas than the old style flooded lead-acid battery. Among these are the Gel Cell and AGM batteries. They are designed for use in confined and poorly vented spaces.

In a lead-acid battery the internal reaction breaks down water, oxygen is produced by the positive plates, in a conventional flooded-lead- battery it escapes into air through the vents along with hydrogen gas. This depletion of gases on is the reason for water loss.

NOTE: Use distilled water only when servicing flooded batteries, impurities in faucet water will contaminate the cells and shorten the batteries life.

VRLA batteries are really recombinant batteries this means the oxygen generated by the positive plates will primarily re-combine with the hydrogen on the negative plates reducing water loss.

Gel-Cell: The electrolyte is mixed with silica dust to form a gel reducing the possibility of a spill **AGM:** The AGM or Absorbed Glass Mat battery has its electrolyte impregnated in a fiber glass mat separator installed between the lead plates. Though these batteries are called "sealed", they always include a pressure relief valve for safety. Unlike the old style flooded battery, they cannot spill their electrolyte if inverted or knocked over. VRLA batteries also contain much less acid than the flooded battery, hence their other name "Acid Starved".

<http://www.impulseelectronics.com/categories/Batteries/>

Check out this "AGM / Gel Cell Battery Capacity Calculator" for a fast determination of AGM & Gel-Cell battery capacity vs. load.

<http://www.westmountainradio.com/capacitycalculator.php>

Charging:

The requirement for charge voltage varies by battery type; some chargers are intelligent and can determine the type of battery you are using, and the proper charge state needed. Some need to be manually programmed and others are dedicated to the particular battery type. For AGM 14.5V is typically for a charge and for Gel 14.1V is the norm. Either way when floating a battery, the output voltage should be maintained around 13.8V to the equipment being powered. This is why we need a charging circuit that includes a regulator.

Any deep cycle AGM or Gel-Cell that meets our voltage and current requirements will be suitable for our needs. They are available from several sources local, Ham fest and on line.

I am using a HR12-350 AGM by Energy Storage Technologies. The battery is a storage pull from a company that services UPS systems for major cooperation's. They can only keep spare batteries on the shelf for a limited time than has to discard them even if never used. Most cities have these companies and they are often willing to donate these batteries to local hams for EMCOM purposes if asked nicely. You can also purchase suitable batteries from West Mountain Radio:

<http://www.westmountainradio.com/batteries>

<http://www.impulseelectronics.com/categories/Batteries/>

Controller/Regulator:

Basically all you need to switch between a battery and power supply is a pair of switching diodes of proper voltage and sufficient current capacity configured in to an OR gate. We also want to properly charge the battery. For this project I chose the Super PWRgate PG40S.

Distribution:

There are many ways to distribute the output of the power gate to the radios. Building your own cables using Powerpole® connectors is not hard; if you are not familiar with them take a look at this link for information on how it is done.

<http://www.westmountainradio.com/videos>

For correctly installing Powerpole® connectors with ease consider the PWRcrimp crimping tool, an inexpensive tool that works well. I have purchased additional dies for use crimping RF connectors

making it a more valuable addition to my Powerpole® connector kit.

<http://www.westmountainradio.com/PWRcrimp>
<http://www.impulseelectronics.com/categories/Tols/Crimpers/>

I also selected the RIGrunner 4012 it has a fused 40A input and fused outputs varying from 20A to 1A. I can add additional equipment and can increase the capacity of any output by changing the fuse sizes including the primary just keep in mind the maximum current limit of the system. For the radio connections do not double fuse by using fused factory power cables doing so will increase the delay time in protecting a circuit. Instead purchase or build non fused power cables.

<http://www.impulseelectronics.com/westmountain-radio/>
<http://www.impulseelectronics.com/powerpole-connectors-and-products/>

Wiring:

It is important to have to proper size and type of wire for the current draw and voltage. In the US we typically use the American Wire Gauge or AWG for measuring wire size. Look on the jacket for the AWG # for example 8AWG this is the wire size. If you are trying to determine the wire gauge physically do not include the wires insulating jacket as part of the wire size. The insulation jacket thickness can vary by manufacture and intended application. The safest way is to identify by the jacket markings or the spool if one.

Should we use stranded or solid wire?

If a wire is made up of several small strands of wire instead of one large wire it has a larger surface area allowing the capability to carry more power than a solid wire. This also results in less heat dissipation of the power in the wire. It also allows more surface contact with a connection in comparison to a solid wire. It is more flexible than solid and therefore fewer tendencies for breakage from movement. This is why good automotive battery jumper cables and welding cables are commonly made of fine stranded wire. Some stranded wire will have less and larger strands depending on the intended capability of the wire to handle a given load and physical size. In our application we are using red/black zip cord. Beware of discount wire that has fewer strands.

West Mountain Radio is a good source for quality zip cord. See their site recommendations of wire size with Powerpole® connectors. When using a wire capacity chart remember automotive and other D.C. wire is stranded and home and A.C. wiring is typically solid. Keep in mind the length of the wire run as well as the current load and of course voltage.

<http://www.impulseelectronics.com/power-cable-red-black-zip-cord/>

Here is a very useful calculator to aid in determining the correct stranded wire size for a 12v D.C. system.

<http://www.westmountainradio.com/cable> or
<http://www.impulseelectronics.com/technical-data/wire/>

I have found in the ham world the size of your factory power cable will vary typically eight to ten feet in length and be of varying gauge depending on the radios current needs.

Well, that's it for this month.

Pt. 2 (putting it all together & the conclusion) is next month.

73,
Marvin, W6MJM

Amateur Extra Class

By John McNelly, AF6UA



J Goldberg is teaching an Extra Class on Saturdays Sep 21 & 28, 9am-5pm.

A SANDARC VE team will test you on the 28th at 5pm.

There are still seats available.

For more information:

<http://jsg.org/sandiegohamclasses>

To register for the class, contact J Goldberg, AF6GM via email:

sandiegohamclasses@me.com.

California QSO Party

Information provided by Ian Parker, W6TCP

October 5th and 6th, 2013 – 47th running of the California QSO Party

2013 is the 47th running of the California QSO Party – "CQP" – perhaps the largest US State QSO Party!

The objective of the CQP is to work as many stations in California as you can on both CW and Phone. Stations may be worked once per mode/band combination for points with California Counties (58 of them) as individual multipliers.

California stations get credit for working stations inside and outside of the state with US States and Canadian Provinces as their multipliers.

The contest runs from 1600Z October 5th, 2013 to 2200Z on October 6th, 2013.

The full rules for the CQP can be found at:
<http://www.cqp.org/Rules.html>

An all-out effort is being made to beat the record by a wide margin in 2013 – there should be TONS of activity from California!

If you're in California and able to participate in CQP, please register your county by visiting:
<http://www.cqp.org>

The Northern California Contest Club sponsors CQP and offers a variety of awards open to stations inside and outside of California.

The awards include plaques for the top operators in the Youth (under 18) and YL categories. A list of the awards is included in the rules.

CQP is a lot of fun and we hope to see you on the air!

73

Chris N6WM – CQP Chair

Ian W6TCP - JUG, Newsletter Editor

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



Vice President
Matt Tucker, N6EAJ
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Secretary
Michael Hightower, KF6SJ
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mike@hightower.com



Treasurer
Teri Bloom, W6TRB
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Emergency Services Coordinator
John McNelly, AF6UA
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Officers at Large:



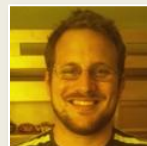
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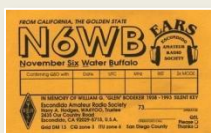


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About ALL EARS:



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

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

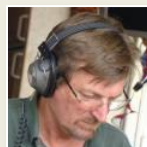
You don't need to be a member. Just drop a note to:

allears@earsclub.org

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

Non-elective:



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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 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.

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.