

ALL EARS

www.earsclub.org

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

March's meeting details



The next meeting's presentation will be given by Gene Swiech (WB9COY) and will be on the topic of demystifying antennas.

See Matt's VP article for more details.

EARS Event Calendar - 2013

- Mar 14 Regular Meeting, 7:30 p.m.
- Mar 16 Monthly Breakfast, 8:30 a.m.
- Mar 21 Board Meeting, 7:00 p.m.
- Mar 30 [VE Testing](#)
- Apr 11 Regular Meeting, 7:30 p.m.
- Apr 18 Board Meeting, 7:00 p.m.
- Apr 20 Monthly Breakfast, 8:30 a.m.
- Apr 27 [VE Testing](#)
- May 09 Regular Meeting, 7:30 p.m.
- May 16 Board Meeting, 7:00 p.m.
- May 18 Monthly Breakfast, 8:30 a.m.
- May 25 [VE Testing](#)

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Welcome to March's ALL EARS

By Steve Venner, W6TAN



Hi everyone,

Welcome to March's ALL EARS.

As always, thanks to all of you who provided articles, especially Matt Tucker (N6EAJ), John Musselman (N6EP) & Dick Kalkofen (K6KAL).

Remember, you don't have to be a board member to submit articles for publication in ALL EARS. A simple text file is all that is needed. I'll do the rest. And as always, photos are most welcome!

Until next month - 73,
Steve, W6TAN.

The 'dues' are still due

By Steve Venner, W6TAN

Note: The 2013 annual dues are still due, so don't be a scurrilous deadbeat, hand over your \$15 to our treasurer - Teri Bloom, W6TRB.

Either - mail your checks to:

EARS,
PO Box 3243,
Escondido,
CA 92033

Or hand over your 'dosh' to Teri at March's regular meeting.

If you pay by check – don't forget to put your call-sign on the back.

The Presidential Prose

By John Musselman, N6EP



Well, greetings from your phantom President.

I was a last-minute no-show at the February meeting.

It seems I underestimated the effect of the medication I had taken to prepare for my next morning medical procedure.

It was just a routine, every-five-years kind of preventive thing, not to worry (but, believe me, you don't want to know any details.)

I apologize for flaking out, but I hear Matt, N6EAJ, did a great job.

Thanks, Matt! I really wanted to see that presentation, too.

So will it be another five years before I miss another EARS meeting? Heck no, I'm going to miss the meeting this Thursday.

More medical procedures? No, this time a vacation to Hawaii seems to have gotten in the way...

Let's see. EARS meeting or Hawaii? Hmmm. Not to denigrate EARS or its members or our speaker, but I've been to EARS and I've never been to KH6 land.

The wife and I will be exploring the island of Kauai.



Not taking an HF radio, but maybe I'll find some local hams using my handheld. You never know.

So, I'll see you all at the Auction I promise. In the meantime let's all thank Matt for stepping up as the hardest working Vice-President a phantom President ever had.

73,
John, N6EP

Verbal from the VP

By Matt Tucker, N6EAJ



I would like to thank Andre Hansen (K6AH) for coming out on Valentine's Day to give his mind and network expanding presentation on ham internet (HSMM-MESH) using re-purposed Wi-Fi routers.

Andre took the time to bring and setup a lot of equipment so we could see a demonstration.

We got to hear a "phone call" from one Wi-Fi router to the other and see an impressive remote station that may one day sit on top of a nearby mountain.



During our March 14th meeting, Gene Swiech (WB9COY) will help demystify antennas.

It took me a lot of reading before I felt like I had a basic understanding of how antennas work. It seems as though there is always more to learn about antennas.

Gene's summary of his presentation:

"I will talk about basic antenna design of Dipoles, verticals and high performance yagis.

I will compare and contrast matching systems such as the Gamma Match and balanced coaxial T match.

I will also bring some antennas for folks to look at that are working examples of the topics discussed."

Thinking ahead to April, EARS will have its annual Ham radio and related equipment auction on April 11th 2013.

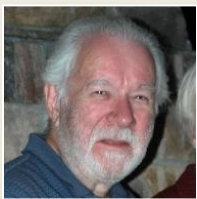
Art McBride will once again be the auctioneer.

You may want to start digging through your Ham shack to figure out if some of your junk may be someone else's treasure.

More details to come...

PC Tip No.5

By Dick Kalkofen, K6KAL



Contesting Notes:

Not all Hams contest, but if you do, here are some hints to help things go more smoothly (from the PC point of view).

1) Turn off any Anti Virus software, Anti Malware and Firewall software.

These tend to slow down the system, as many Loggers use some form of database, and with each disk or network access, the Anti Virus software wants to check out things.

2) Confirm that Indexing is turned off.

If left on, the Indexing software may decide to start, and use system resources and disk access to complete its task.

3) Disable the power save feature on all USB Hubs.

This could cause an interruption while the system tests to see if another port or hub could be shut down. It would not touch the port you are using for the radio as it would be active, but all others would be fair game.

4) Turn off windows updates.

This could tie up your interconnection used for DX cluster spots, and again as with other tasks, load up the disk drive access load.

5) If your PC has a built in modem for connection to a phone line, 'disable' it.

The PC system when it starts would have tried to assign com3, and this would interfere with your radio, keyer or logging software.

6) Check your systems clock.

As some PC's get older, the clocks do not function as one would expect. Many PC's still use an internal battery as backup to the CMOS. If the clocks are off, it is usually an indication that your battery is going.

7) Some laptops have 'Adaptive Brightness' running which monitors ambient light and adjust the screen brightness.

Turn it off.

8) The following services can be safely disabled using 'Control Panel> Administrative Tools> Services.

[Adobe Acrobat Updater](#), [Bonjour Service](#), [Bluetooth Support Service](#), [Fax](#), [Google Update Service](#), [Home Group Listener](#), [Home Group Provider](#), [iPod Service](#), [Logitech Bluetooth Service](#), [Microsoft Antimalware Service](#), [Mozilla Maintenance Service](#), [Microsoft Software Shadow Copy Provider](#), [Parental Controls](#), [Quality Windows Audio Video Experience](#), [Remote Registry](#), [Secondary Logon](#), [Skype Updater](#), [Telephony](#), [Volume Shadow Copy](#), [Windows BioMetric Service](#), [Windows Backup](#), [Windows Defender](#), [Windows Time](#), [Windows Search](#).

Double Click on the service, and click the 'Stop' button. This will temporarily stop the service until the next time the computer is started.

Using Windows 7, I have fewer than 50 processes running. On my XP system there are less than 30.

Well that is about it for the easily controllable items. Most have been the subject of earlier PC Tips.

Now for some more obscure settings...

a) When using a PC with 'Real serial' ports, turn off the FIFO function.

This is normally used to 'Buffer' data streams with extremely high speed devices (> 38.4). With our Ham radios, 'CAT', 'CI-V' and other protocols, the data exchanges are small, and buffering offers no advantage.

b) Turn off any background tasks.

That is to say, when most new software packages are loaded, they insert a small (always running) utility to help their product start faster.

A good example of software that use these starters Apple, Adobe Updater, Java (Updater), iTunes, QuickTime, Skype, most wireless printers, and many Microsoft products (I will cover these in a future tip).

Removing the startup part of their software does not change the function; it only takes a few seconds longer to start. These running processes 'Monitor' the system, waiting to 'start' their application. The fewer of them that are running, the more 'Real' memory the system has to use for your favorite Logger.

c) On older systems running XP, do a 'Disk Defrag' sometime before the contest.

This will help with the overall disk access performance.

d) Windows 8 works just fine with most logging programs.

One note is that if you choose to use a tool like VSPE (Virtual Serial Port Emulator), install the 32 bit version. Not all 32 bit drivers will work on the 64 bit version. This utility allows a radio to be accessed by more than one program at the same time.

e) Most contesting loggers use data files to check call signs.

One site for these files is 'Super Check Partial':

<http://www.supercheckpartial.com>

where you will find the most recent files.

There is another file contains the 'Country'. This can be found at:

<http://www.country-files.com/cty>

along with installation instructions for each logger.

f) If you are part of a 'Multi' station contest, check out your network connections.

Each Radio / PC will have a station number set somewhere in the software. Confirm that as a log entry is made, the other PC can see the entry. Read the logger documentation and locate the '10 Minute timer' as some contests have a band change restriction.

And one last hint, 'Have Fun' and enjoy the pile-ups!

The following is a list of some of the many loggers that are in use. Find the one that works for you. Some loggers do not do contesting well, that is to say, they do not support all contests. If you are into contesting, find a good one, or run two separate applications, one for daily DX, and the other for contests.

Popular Loggers: (some designed for heavy duty contesting *)

For the PC: WriteLog*, N1MM*, WinTest* (Like the old DOS CT on steroids), Ham Radio Deluxe (freeware version), Logger32, NA by K8CC (DOS), TR4W, XMLog, DX4WIN, SwissLog, TR4W,

And for Apple: iLog, MacLoggerDX, Aether Log Book, Rumped Log Ver.3*

And yes Linux: CQRLOG, CLLOG, DBLog, and a bunch more at :

<http://radio.linux.org.au/?sectpat=logging>

Other utilities that may be useful:

Audacity, an audio editing application to help create wav files:

<http://audacity.sourceforge.net>

VE7CC-1 Web Cluster software:

<http://www.ve7cc.net>

WinTelNetX another DX cluster application, to name a few.

Here are a number of useful web sites:

QRZ, DXScape, dxwatch, DXMaps, DXforMe, LOTW, ClubLog, eQSL, and do not forget to add a link to your favorite logger.

Whatever your flavor is for the Radio Sport, have fun with it.

Although you may not be a DXCC hunter or Worked all states enthusiast, PC or Apple based logging tools can make things easier.

I would suggest that all Hams use LOTW (Log Book of the World) to record your contacts. While you may not be trying for any awards, the other operator may.

There is also eQSL, and Club Log, which are easy to use and becoming more popular.

One last note: Keep a pencil and paper handy, as computers some time have a mind of their own, and like to test one of the Murphy's Law with you at the worst possible time. Continue to log contacts by hand until the PC operation can be restored.

AMGEN Bike Race

By John McNelly, AF6UA



Save the Date: May 11-12, 2013

Escondido is hosting the starting leg of the AMGEN Tour of California bike race on May 12th, 2013:

<http://www.amgentourofcalifornia.com/Route/cities/escondido.html>

EARS is currently working with the Police Dept to fulfill their needs for ham volunteers. We will certainly need hams on race day (Sunday May 12), and "might" need hams for the day before (Saturday May 11).

If you're interested in providing radio communications support for the AMGEN race, let me know: john@mcnelly.org

Escondido is also looking for volunteers to be course marshals (and for other race-related duties).

So if you're interested in one of those non-ham positions, see this URL for more info:

<http://www.escondido.org/amgen-volunteer.aspx>



Current EARS Membership

By Steve Venner, W6TAN



This past month, there were two new members joining:

W6VZA Henry Richter
KK6BYD Rolf Steeve (jr)

Welcome aboard!

Therefore the current EARS membership as of 14th of March, 2013 is:

- Life: 53
- Paid: 57
- Total: 110

Note that the above membership figures represent the EARS members who are either life members, or who have paid to the end of 2013 or beyond.

So for those 30 of you who still haven't yet paid their 2013 annual 'dues' – we know who you are, so:

DO IT NOW – OR I'LL SEND TERI ROUND!

Opportunity Drawing Update

By Teri Bloom, W6TRB



We sold enough tickets at January's meeting for the drawing to take place.

The winning ticket was drawn by the evening's presenter - Fred Brown, and the winner of

the VX-7R handi-talkie was none other than Ron Rosson, N6XT, who unfortunately was not present at the meeting.

As for the next prize offering – The next drawing will be for three items:

- A Wouxun HT
- A crimper with die
- A small wattmeter

One other thing, just remember that to purchase tickets for the opportunity drawing – **you must be a paid-up EARS member...**

SANDARC News

By Robert Kitson, KI6SBL



This April SANDARC will be holding an election for their officers.

I am writing this article to announce to my fellow EARS members that I plan to run for

SANDARC Chairman.

I need your support and input. Please show your support by volunteering to be an alternate or delegate for SANDARC.

If you're interested in volunteering, please contact John Musselman.

Please send me your input as to what you would like SANDARC to do in the future to help you, or others, in your HAM experience.

KI6SBL@earsclub.org

Thank you for your consideration.

73,

Robert J. Kitson, KI6SBL
EARS 2013 SANDARC Delegate

The CERT Academy

By John McNelly, AF6UA



Sign Up For The CERT Academy

It's satisfying as a ham to be able to help those in need of emergency communications -- reporting a vehicle accident in a cell phone dead area, for example.

But what if you radio for assistance and the response comes back, we're overwhelmed right now, we'll get to you in a few days?

Picture yourself on your front lawn after the 'Big One', setting up your portable EMCOMM rig. A neighbor runs up to tell you that his son has been trapped by the quake.

You radio for help...

Last year, Escondido relied on mutual aid agreements 349 times to cover 9-1-1 calls (and we returned the favor to other cities 120 times).

Mutual aid agreements help to keep our taxes low. But it also means if there's a regional emergency (say, The Big One hits), it will be days or weeks before professional responders from far away can get here -- freeway travel may be difficult due to downed overpasses, and so on.

So, you put down your microphone and try to help rescue your neighbor's trapped son.

90% of the rescues done after an earthquake are done by non-professionals -- you, your family, and your neighbors.

Unfortunately 50% of the fatalities are would-be rescuers... i.e. you - just trying to help.

The Escondido Fire Dept offers a (free) Community Emergency Response Team (CERT) Academy once a year, each March.

Your training will include the most likely risks for San Diego: earthquakes, wildfires, and terrorism, as well as standard modules such as disaster psychology and triage.

You'll learn how to do urban search and rescue safely, and how to move tons of concrete with just a pry bar and 2x4s.

Not only is the training free, you get the equipment you need to do the job safely.

There is no obligation to join CERT after your free training; the Fire Dept is just happy knowing you'll be better prepared to take care of yourself and your family.

Even if you don't want to be a member of CERT, taking the Academy makes you more valuable as a "spontaneous" ham volunteer: you'll become familiar with the Incident Command System (that's the "ICS" in "ICS 213", but so much more), which will help you speak the lingo with the agencies you serve as a non-CERT ham.

CERT loves hams, and a lot of EARS members are already in the CERT program -- you'll see a lot of familiar faces.

The next CERT Academy is March 5th through March 23rd on Tuesdays and Thursdays evenings (6-9 PM), with one Saturday class (graduation) on March 23rd.

RSVP to Randy Licata at rlicata@escondido.org to reserve your slot in the CERT Academy, and see this URL for more info:

<http://fire.escondido.org/cert.aspx>

John McNelly, AF6UA
Emergency Services Coordinator

EARS Member Data

By Steve Venner, W6TAN



Just a little reminder to you all...

Should your personal data change (such as your call-sign, class, address, telephone numbers etc.), don't forget to

let our treasurer Teri Bloom (W6TRB) know so that she can update our database.

We had a small incident a few days ago whereby a couple of existing members sent in a renewal check with their call-sign written on the back as normal.

Unfortunately, unbeknown to us, the two people had recently upgraded their license class to Extra, and changed their call-signs.

As the new call-signs were not in our database, Teri added them as new members, so now we had duplicate entries for those members.

To check your data that we have on file for you -- just log-in to the members' only section of the website, and click on the 'View My Data' button.

That's all there is to it!

Also, when you send in your renewal check, along with your call-sign, please make sure you state that it is for a renewal, and not a new membership.

Cheers & 73,
Steve, W6TAN.

International DX Convention

Information provided by Harry 'Hughes', W6YOO

DXers! Contesters! Don't miss our 64th annual International DX Convention April 19-20-21, 2013 in Visalia, California.

Now at a new, larger venue with more vendors, more presentations and more fun!



Enjoy DXpedition presentations, Technical sessions, over 60 Vendor exhibits, DX Academy, Contest Academy, Ladies Tour - Golf Tournament, Saturday Banquet,

There's over \$45,000 in raffle prizes - and meet DXers who travel from around the world to this premier DX event.

Early registration closes on April 10th. Register today, and see who else is coming at:

<http://www.dxconvention.org>

Please Join Us!

INTERNATIONAL DX CONVENTION
NCDXC SCDXC
64th Annual
VISALIA CONVENTION CENTER

New Meeting Center!

MORE EVERYTHING!

- + Exhibit Space +
- + Banquet Space +
- + Meeting Rooms +
- + RV Parking +
- + Raffle Prizes +
- + Awards +
- + Fun Memories +

International DX Convention
April 19-21, 2013
Visalia, CA

Complete Program & Registration Information at:
dxconvention.org

64th Annual Meeting
Sponsored by the
Northern California DX Club

International DX Convention
April 19-21, 2013
Visalia, California

VISALIA CONVENTION CENTER

- 16 DX and Technical Presentations
- Contest Academy & DX Academy Workshops
- Keynote: Dr. Joe Taylor, K1JT, Nobel Laureate
- \$40,000 in Major Raffle Prizes
- Many Top Industry Exhibitors
- Special Event Station – N6V
- EZ Online Registration
- RV Parking
- Shuttle Bus Service

Website:
DXCONVENTION.ORG

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
6. Ron Pollack, K2RP
 - Antique and tube equipment (boat anchors)

General Information

EARS Club Officers for 2013:



President (Jan-Jun)
John Musselman, N6EP
(760) 747-5303
n6ep@arrrl.net



Vice President
Matt Tucker, N6EAJ
(760) 839-1205
mail4tucker@gmail.com



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



Treasurer
Teri Bloom, W6TRB
w6trb@earsclub.org



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

Officers at Large:



Dirk Reschly, N6SUN
(760) 743-5839
n6sun@earsclub.org



John Belstner, W9EN
w9en@arrrl.net



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

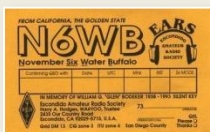


Bruce Woods, KI6YFH
(760) 215-4582
bewoods75@yahoo.com



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



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:

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

Westside Cafe,
9th and Redwood.

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.