



ALL EARS



www.earsclub.org

The Official Bulletin of the
Escondido Amateur Radio Society—N6WB

October, 2015

In This Issue

Page Two

From the Club President

Page Three

America's Leap Into Space

EARS Pins

VE Testing

EARS Elmer List

Page Four

2015 EARS Field Day in Pictures

Page Five

2015 EARS Annual Picnic in Pictures

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!".

October, 2015 EARS Events

Thursday, October 8, 2015

EARS Monthly Regular Meeting

Tuesday, October 15, 2015

EARS Board Meeting

Saturday, October 17, 2015

EARS Monthly Breakfast

EARS October Regular Meeting

Our October meeting presentation will be given by Andreas Falkenberg, AI6HD. Andreas teaches classes at UCSD extension in the wireless telecommunication program. During his presentation, he will discuss the early days of 1st generation analog mobile telephone through the modern day 3G/4G and upcoming 5G mobile data networks. Andreas was first licensed as DD8DP in Germany in 1983 and currently holds the Extra Class Amateur Radio license, AI6HD.



November's presentation will be given by Adam Blair on RFID Technologies. Radio frequency identification (RFID) is a technology that enables automated collection of data using RF.

Soon, the ubiquitous Universal Product Code (UPC) (aka bar code) will be replaced by smart labels called RFID tags. A technology once limited to tracking cattle, is now tracking consumer products worldwide.

Adam is a Communications Systems Engineer, owner/founder of Blair Innovations and CEO/co-founder of Encinitas Laboratories, Inc., a local San Diego area startup that designs and builds custom RFID solutions for retail apparel and other markets.

John Beltsner - W9EN



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

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 Wednesday of each month.**



From the Club President

The summer heat continues even though the calendar says it is fall. If it wasn't for the shorter days, it would be no different than summer.

It was a good summer. Below is a picture from our annual picnic. Jeff AE6GM led us in an antenna construction class. Here we are testing Bud's, AE6BH, and son's antenna.



Left to right are John AF6UA, Bud AE6BH, Jeff AE6GM, Mike KF6SJ, Dennis KK6OES, and Bud's son holding his antenna in a Statue of Liberty pose while we watch the antenna analyzer.

No summer pictures would be complete without some Field Day snaps. Here John N6EP is running the CW station during the night.



Here Dirk N6SUN and Kathy KA6OYD are running the phone station during the night.



Last month, our club supported the Escondido Grape Day Parade by providing communications. We see that each parade entrant enters the parade route in the proper order, communicate entrant changes to the announcer, and make sure things run smooth. Thanks to John McNelly AF6UA for organizing our group and thanks to all who came and participated.

Upcoming Radio Activities:

Our monthly club meeting is October 8th.

The 2015 ARRL Pacific Division Ham Radio Convention is the weekend of October 16-18 in San Ramon, CA. This is one of the larger divisional conventions and always has some of the best technical forums to be found at any ham related convention. Contests in October include the CQ Worldwide DX SSB Contest on the weekend of October 24-25, one of my favorite phone contests to work.

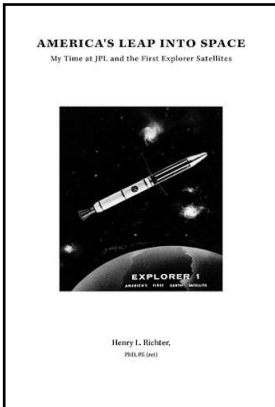
Happy operating and 73's,
Mike Hightower KF6SJ



America's Leap Into Space

My Time at JPL and the First Explorer Satellites

by Henry L. Richter



After the shock of watching Russia's Sputnik become the world's first artificial satellite, America's infant space program hurried to launch one of their own. In just 90 days, Dr. Henry Richter and his colleagues at the Jet Propulsion Laboratory developed and launched the nation's response.

Through innovation, teamwork, and tenacity, these pioneering scientists and engineers began

America's exploration of space that continues to determine our place in the cosmos. JPL and the First Explorer Satellites tracks the development of the Russian, Germany, and American rocketry programs through the World Wars and into the arms race of the Cold War. Dr. Richter's memories and extensive research shed a light into the earliest days of the space age. It is a fascinating story that is equal parts memoir and insider history of one of the world's most dynamic and revolutionary periods.

Dr. Henry Richter, **W6VZA** was born in Long Beach, California. After serving in the Navy in World War II, he attended the California Institute of Technology in Pasadena, CA receiving a BS, then, a PhD in Chemistry, Physics, and Electrical Engineering. He was then hired



at the Jet Propulsion Laboratory, where he headed the project developing the first American satellite. JPL then became part of NASA. He has worked in aerospace, education, manufacturing, and communications. He is now retired and lives with his wife in Escondido, California.



Not Shown in Actual Size

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 and will be sold at EARS functions. See Rob Kitson.

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

To register contact:

Jo, 760-741-2560 or kb6nmk@amsat.org

EARS Elmer List

Compiled by Steve Venner, W6TAN

Here is the current list of those kind souls 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. 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.
3. Mike Hightower, KF6SJ
 - HF and in particular, digital modes of PSK31 and JT65.
4. John Musselman, N6EP
 - HF, electronics, contesting, "other"...
5. 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)

2015 EARS Field Day in Pictures

All Photo's Courtesy of: Matt Tucker



The 20m beam goes up Friday morning.



Marty Woll N6VI (Vice-Director ARRL SW Division) and XYL visit Field Day. Who is that Photo-Bomber?



Three generations of Hightowers. Ryan KI6 CCZ (left), Jason WB9HVD (Center) Mike KF6SJ (Right) and Nolan TBD (Lower Center)



Dirk N6SUN (left) enlists help at the SSB Station.



John N6EP works the CW station.



The VHF/UHF Station

2015 EARS Annual Picnic in Pictures

All Photo's Courtesy of: Matt Tucker



AE6BH looks on while his son Nevan hunts for the hidden transmitters.



Dennis KK6OES, Wayne KK6SHY, and Nevan build 2m antennas.



Mike KF6SJ shows Nevan how to use an antenna analyzer to check out the complete antenna.



A friendly card game of "Exploding Kittens" courtesy of John AF6UA.



Jo KB6NM< and Grandson make a 2m antenna.



Jeff AE6GM leads the 2m antenna making class.

EARS Membership Application

EARS Membership Application

New Renewal Life

*Last Name

*First Name

*Street Address

*City *State *Zip

Home Phone

Cell Phone

*Email

License Expires

EARS Family Members

License Class

First Licensed

Current Call Sign / Former Call Signs

Date of Birth

ARRL Member (Y/N) Life Member (Y/N)

Amateur Related Interests (circle any interest)

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 on 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.



EARS Monthly Breakfast

EARS members meet socially on the third Saturday of each month at 08:30, at:

J and M's Family Restaurant

1215 East Valley Parkway, CA 92027

(760) 745-3710

www.jandmsrestaurant.com