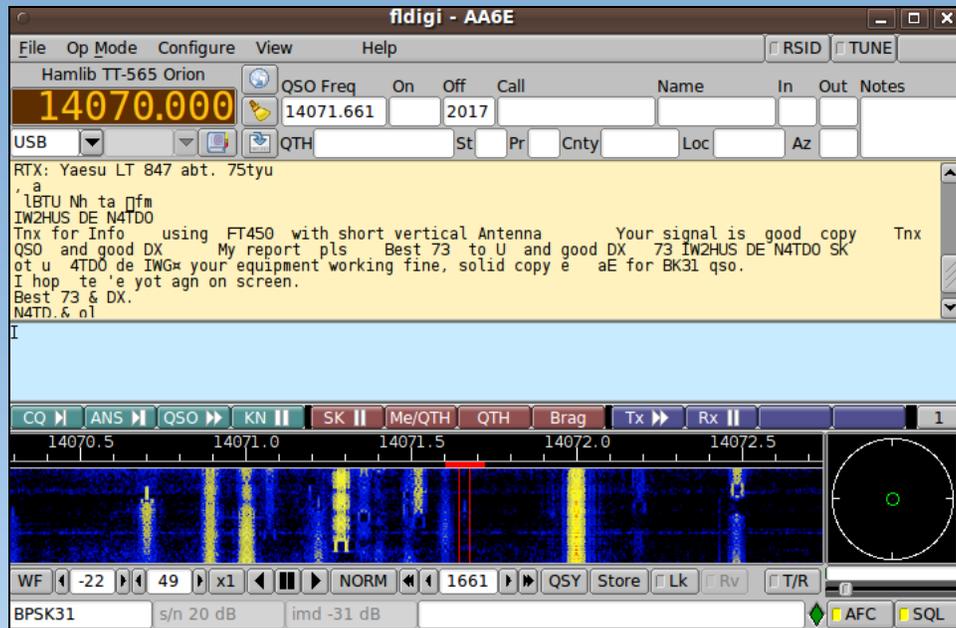


# The Oscillator

The newsletter of The Associated Radio Amateurs of Long Beach W6RO / KE6LB  
Volume LXXXIX, Issue 4 (ARALB is a 501(c)3 organization) April 2016



## Next Monthly Meeting May 6th at 7:00 p.m.

We hold our regular membership meeting at The Signal Hill Police Department Emergency Operations Center at 2745 Walnut Ave, Signal Hill, CA 90755 Everyone is welcome to attend. The speaker is noted below. Click [here](#) for a map to the NEW location.

## Michael Caulfield AF6VT & Ray Day N6HE May Speakers

### The meeting topic for next month is: A How-To On HF Digital Communications

I started as WN4LFP in Miami Springs, FL on 12/7/62 with a Globe Chief and a National NC-188. My Elmer was Chuck Bolvin (now a SK) W4LVV, then K4KQ. WA4LFP in 1963 in FL and Atlanta, GA (Georgia Tech). WA2TEI in New York in 1969. W6B 6 Jelly Filled Doughnut (9/26/75) in California, then N6HE (8/12/77). I turned 72

in November of 2015.

My rig is the fabulous TenTec Omni VII on CW, SSB, PSK-31, and RTTY. Love it, love it, love it! I use a Flex 1500 as a second receiver.

Antennas: 80M: Hy-Power shortened dipole; 40/20/10M: Hy-Power OCF40 Off-Center-Fed Dipole; 15M: fan dipole

shared with the 80M MicroKEYER II radio-shorty. All are disgustingly low (about 25' up) but work as expected. A 2-element SteppIR beam is on deck for the near future.

I just set up a new-to-me Alpha 87A RF AMP and wired 220VAC into the shack. QRO operation finally - life is good! Another new toy is the addition of a MicroHam

MicroKEYER II radio-computer interface unit that "does it all" and replaced 5 boxes of keyer / voice keyer / PTT junction box / CW interface / FSK interface / 2 audio isolation transformers and about a half cubic foot of rats-nest wires and cables.

**Cont'd on page 14.**

## Patrick Stoddard AMSAT Article

I'm back home, after a quick two-day trip to southern California for a presentation and some sightseeing. Not as much radio operating on this trip compared to some of my other recent trips to California, but still a great time!

I had agreed to give another satellite-related presentation to the Associated Radio Amateurs of Long Beach, after giving a presentation there in April 2015. Where my original presentation focused a lot on the history of amateur radio satellites, the presentation I gave on Friday (4 March) evening would focus more on current and upcoming projects. So I left home on Friday morning for the 6-hour drive from Phoenix to Long Beach, with two stops to work AO-85 passes at Palm Springs and Riverside, both in grid DM13 in southern California. Before the meeting, I had dinner with some hams who would be at the meeting later in the evening. Endaf KG6FIY, the ARALB president, along with Tom WA0POD and Jim AA6QI from Pasadena, met me at a restaurant near the meeting site. After dinner, we drove south to the meeting.



Unlike with last year's presentation where I gave demonstrations of working FO-29 and SO-50, my options were limited to XW-2F and XW-2C passes that partially overlapped, about 30 minutes before the 7pm (0300 UTC) meeting time. With a nice crowd, I set up my portable station - FT-817ND, SDRplay SDR receiver with HDSDR on a Windows tablet, Elk log periodic - to work the two satellites. XW-2F came up first, and I made a quick contact with KJ6MSU in southern California. Unfortunately, no QSOs were logged on XW-2C. The crowd could see the transponder, along with the digital telemetry and CW beacons, on the tablet's screen. We also saw some strong adjacent signals just above the XW-2F transponder while working that satellite.

There was a nice turnout for this meeting. I'm not used to groups here in Arizona having Friday evening meetings, but it works for the ARALB. After some club business, I gave my presentation. It is really nice to talk about the different satellite and satellite-related projects that are taking place now. It was also fun to answer the questions from the crowd.

Since most of my recent California trips have included additional driving and operating from different places, and I have not done much sightseeing, I wanted to be more of a tourist this time. Endaf KG6FIY gave me some suggestions on what I could see and do on a Saturday, and I went with that.

Before I met him to start the touristy stuff, I worked an SO-50 pass from a shopping center parking lot. Once I picked up Endaf, we first drove to the Griffith Observatory, overlooking downtown Los An-

## Stoddard Article, Cont'd

geles. It was a nice day to walk around with the clouds over the area, not too hot or cold. >From there, we took our time driving back through Los Angeles down to the Long Beach harbor and the Queen Mary.

I have been to Long Beach in the past, and have driven near the Queen Mary, but have never been on the ship. Endaf had arranged for me to go on the ship, and visit the wireless room. Some insist on calling the room a "radio room", and signs on the ship refer to it by both names. At the room, I met David Akins N6HHR. David, a member of the ARALB, is the manager of the W6RO station on the Queen Mary. He invited Endaf and me to come in the room, sign a visitor's log, and then sign a radio operators' log. David verified that we held amateur licenses, so we could use the radios. Endaf began to work HF from one operating position, as I looked around the room and took pictures. Then, a surprising offer...

David explained that the W6RO station included a satellite station - a Yaesu FT-847, 2m and 70cm Yagis, along with a Yaesu az/el rotator. Even though the FT-847 can also work HF and 6m, it is only used at W6RO for satellites, and had not been used in some time. It had been installed in the days of AO-13. David asked if there were any satellite passes that could be worked, and I saw an AO-7 pass just after 2.30pm (2230 UTC). With a half-hour to quickly get acquainted with the radio and rotator controller, I started reading the satellite section of the FT-847's operating manual. I also posted on Twitter and the AMSAT-BB my intent to work the AO-7 pass as W6RO.

The satellite station is not computer controlled, but the FT-847 has the functionality to work satellites without the computer. The rotator controller could also be worked manually, moving it to follow the track I saw on my AmsatDroid Free tracking app. The pass had a maximum elevation of just over 70 degrees, making it a good pass to try from W6RO. I have never used an FT-847 to work satellites, but had figured the radio out sufficiently to give it a go.

I had posted that I was going to try working below the center of the AO-7 transponder, but ended up working slightly above the center of the transponder. As I was trying to line myself up, I found that the SUB-TUNE knob on the FT-847 would only tune downward - even if turned it clockwise. This meant to adjust my uplink higher in SAT mode, I would have to disengage the SAT mode and swap VFOs briefly to use the large VFO knob to make the adjustment, then swap VFOs again and press the button to re-engage SAT mode. After a few minutes, I was able to hear myself, and hear Dave KG5CCI answering my calls. Dave was the first station I put in the W6RO log. After some challenges with how I had to tune the uplink frequency, I was able to log two more stations before LOS - Larry WA6DIR in the Los Angeles area, followed by Bryan KL7CN/W6 near Sacramento in northern California.

## Stoddard Article, Cont'd

At W6RO, operators are asked to log QSOs and give out a QSO number. For my satellite QSOs, those numbers started with "I" followed by 3 digits. I did this, along with giving out the DM03 grid locator for Long Beach with each of these QSOs. The QSOs have been entered in the W6RO log, and the W6RO QSL manager will be able to properly confirm the QSOs I logged - including the notation that these were satellite QSOs. Please look up W6RO on QRZ.com for the address and other information. W6RO only handles paper QSLs, and does not use any of the electronic QSLing systems like LOTW or eQSL.

While I was operating, Endaf was taking pictures and made a couple of short video clips. The pictures were being tweeted using his @endaf\_99 Twitter feed. If you do not use Twitter, you can still see the pictures without having to sign up for a Twitter account at: [https://twitter.com/endaf\\_99/media](https://twitter.com/endaf_99/media)

Endaf's two video clips are on YouTube, at: <https://www.youtube.com/watch?v=K-cQ09H-LI8> and at <https://www.youtube.com/watch?v=Lg2QFB3ubRQ>

I had also tweeted photos of the W6RO station and antennas, along with other photos from throughout the two days I spent in California, using my @WD9EWK Twitter feed. Just like with Endaf's Twitter feed, mine is also visible without first signing up for Twitter at: <https://twitter.com/WD9EWK>

For just the photos I tweeted, use: <https://twitter.com/WD9EWK/media>

After I put my QSOs in the W6RO log, and David verified everything looked OK, we left the ship. Endaf and I had dinner at his house, before I drove home. On the way home, I made a couple of stops to work some late-evening SO-50 passes. The first stop was at a rest area along I-10 in Yucaipa, in grid DM14. I logged 8 QSOs from this location on a pass just after 8.30pm (0430 UTC). Then back to the driving, and I went about 45 miles east to Thousand Palms, east of Palm Springs in DM13. After filling the car's fuel tank, I logged 4 more QSOs on the 10.10pm (0610 UTC) SO-50 pass, and then made the drive from the Palm Springs area to my driveway in just over 3.5 hours.

Thanks to the Associated Radio Amateurs of Long Beach for their hospitality once again. In particular, the club president Endaf Buckley KG6FIY and the W6RO station manager on the Queen Mary, David Akins N6HHR. I hope the ARALB is able to put the W6RO satellite station on the air again, and often. : -)

73!

Patrick WD9EWK/VA7EWK

## Your ARALB University

We are taking a break right now. While doing so, we are looking for people who want to share their knowledge with their fellow hams.

We will help them to set up a presentation on Power Point, find a room, and promote the class for them.

This is what we do. As far as Power Point goes, I didn't know how to work it when we started. I had some expert help from Everett Harper, K6ECH, and Carina Lister, KF6ZYY. The point is that we are here to help.

Teaching fellow hams new things is exciting for us. Watching that light come on when they understand a concept is a great feeling. It's also a great feeling for us to see people who want to become ham radio operators get the news that they passed their exam.

Every ham knows that feeling of when he/she

passed a license exam. It's exhilarating! In fact, we just had another member of our recent Extra License class pass her exam, Sue Kaplan, KJ6VLT/AE.

We are breathlessly waiting to hear the good news from our last two students. We want all of our students to pass and feel that rush of adrenalin when they get the good news.

Some of our students have entrusted us to help them to pass all three license exams.

A bit later in this newsletter we published a letter to the club from one of them, Dr. Brian Silk, KK6HTA. Brian is also a member of our club.

When we read something like this, it truly makes us want to keep teaching, and I'm sure that it makes the VE's want to continue on providing a means for people to take their

amateur radio license exams. For, they too get to see the faces light up when they congratulate them and ask them to sign their name. Brian's letter, while addressed to me, it is meant for all of the ARALB Ham University instructors as well as all of the ARALB VE's.

Article by



**Bill Bradley  
(WD6FON)**

ARRL Los Angeles Assistant  
Section Manager,  
Education Chairman, ARALB  
Ham University  
President V.A. Long Beach  
Amateur Radio Club



## Contests



**April 17th 2016**

**Rookie Roundup – Phone**



**June 11th - 13th 2016**

**June VHF**



**June 18th**

**Kids Day**



**June 25th - 26th**

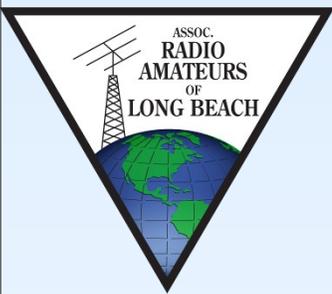
**Field Day**

## Schedule of Events

Every Wednesday night is the  
ARALB Club Net  
8:00 p.m. 146.145 (+) PL 156.7

4-1 Club Meeting  
4-2 CW Class  
4-6 ARALB Net  
4-9 CW Class  
4-13 ARALB Net  
4-16 VE Test Session  
4-20 ARALB Net  
4-25 Board Meeting  
4-27 ARALB Net

5-4 ARALB Net  
5-6 Club Meeting  
5-11 ARALB Net  
5-18 ARALB Net  
5-23 VE Test Session  
5-25 ARALB Net  
5-30 Board Meeting



## Next Monthly Meeting May 6th at 7:00 p.m.

We hold our regular membership meeting at The Signal Hill Police Department Emergency Operations Center at 2745 Walnut Ave, Signal Hill, CA 90755 Everyone is welcome to attend. A very special speaker on topics of interest to radio amateurs will be speaking. Talk-in frequencies are 145.510 Simplex or 449.780 - offset with a PL of 31.8. Click [here](#) for a map to the NEW location.

## April 2016

Sun	Mon	Tue	Wed	Thu	Fri	Club Meeting	Sat	CW Class
			ARALB Net		1		2	CW Class
3	4	5	6	7	8		9	Testing
10	11	12	13	14	15		16	
17	18	19	20	21	22		23	
	Board Meeting		ARALB Net					
24	25	26	27	28	29		30	

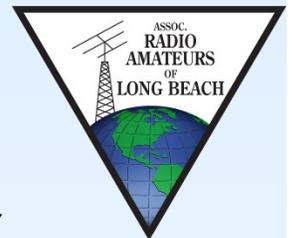
## May 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
			ARALB Net		Club Meeting	
8	9	10	11	12	13	14
			ARALB Net			
15	16	17	18	19	20	21
			ARALB Net			Testing
22	23	24	25	26	27	28
			ARALB Net			
29	30	31				
	Board Meeting					

## Officers and Board of Directors for 2016

President	Endaf Buckley	KG6FIY
Vice President	Kelly T. Howard	W6KLY
Secretary	Carina Lister	KF6ZYY
Treasurer	Ken Lister	KG6TOC
Director	Richard Sherwood	N6RU
Director	Glen Hill	KK6PXA
Director	Becky Rustuen	KG6VSL
Director	Robert Hartwig	N7RAH
Director	Jeff Potter	KG6DKJ
Director	Julie Potter	KG6FIA
Oscillator	Kelly T. Howard	W6KLY
Volunteer Exam Coordinator	Steve Snider	KJ6FW
Membership Coordinator	Neil Hoffman	KJ6WXC
Club Station W6RO Manager	David Akins	N6HHR
Club Station W6RO Trustee	Lonnie Bingham	K6CBN
Secondary Club Call Sign KE6LB		
Trustee	Endaf Buckley	KG6FIY

Associated  
 Radio  
 Amateurs of  
 Long Beach  
 P.O. Box 7493  
 Long Beach,  
 CA. 90807-  
 7493



## Letter Re: ARALB

Good morning Bill,

When I got home today there was a letter waiting from me from the ARRL. I could see through the address window the word CONGRATULATIONS. Therefore, I knew instantly that the FCC had already recorded our exam results in the big computer n the sky. Counting backwards on my fingers the Club's VE's did another outstanding job of quickly processing our test rests, sending them to their supervising VE and then being forward to the FCC for processing. I have expected to be using my slash call sign for the next three to six months, not three weeks.

Like the instructors who are soon forgotten, the VE's perform an outstanding service to the club, the community, and the hobby and yet they receive little or no recognition for all their time and effort. Without them, we'd have to drive to remote FCC regional facilities (at our own great expense probably during the week and having to take time off of work) take the test under conditions that were not as friendly and supporting. Please pass on my praise and appreciation to the appropriate officers of the club and the members of the examining team.

I know and appreciate the feeling that you and the other instructors share when students complete the program, pass their exams, and continue on to enjoy their hobby. Being a commercial pilot, last fall I went to the USC science museum with an acquaintance and her junior high school son. We toured the space shuttle exhibit. Her son told me he wanted to be an astronaut. During the ensuing weeks I thought about how I could help him achieve his stated (this week's) goal. I suggested to his mother that he join the Civil Air Patrol (CAP) an Air Force auxiliary. He liked his first meeting and wanted to join (he did not like the Boy Scouts). I then told him he could learn how to fly with the CAP and he asked questions. They took him for an orientation flight and he's sold. His attitude at school has changed and he's seeing/learning about what team work is all about. I mentioned ham radio to him and he's anxious for me to take him to the Queen Mary to see the radio room and "talk" around the world. I told him if he keeps up the good work and grades, he has a shot at the Air Force Academy and becoming an Astronaut. I mention all this not only because the personal satisfaction we all share knowing that we assisted someone that will intimately change their lives for the better, but also because what this person will in turn share with his acquaintances over his life time. What if his mother did not follow up on my suggestions. What if I never made the comment. What if I did not care? Just as all the guys in the club, will share with almost anyone at any time. What we do in stride changes lives. Think of how many times you were out in public with your handy talkie and a child saw you talking on the radio. Did he just watch or come over and ask a question. How did you respond? We will never know how that child responded/reacted with that experience. On the other hand, you are seeing it first hand as you go to the VA and open the doors to the world to those guys who cannot get and see and visit the world from themselves. It had to share these feeling with others.

In any case, I'd like to volunteer to assist (gofer work) the next time the club does something that they need additional assistance for.

Thank you again, Bill

Brian

This letter makes everything we do worth every minute of our time and effort. Not everyone writes something like this, but they do express their gratitude before they leave the VE session. I thank all of our instructors for their hard work and dedication, and I thank all of our ARALB VE's for the work they do, especially for the extra time they spend providing our students with a special VE session just for them. Volunteering to help people to achieve a goal is a great experience. I love this job and the people around me that make it worthwhile.

73 - Bill

## You Can Operate From Signal Hill

If you live in Signal Hill, or even close to Signal Hill, there is a fully equipped radio room that needs your help.



The Signal Hill Police Department recently moved to its new headquarters which houses a radio room. Here is an opportunity for you to join a fine group and operate in a top flight shack with the call sign K6SHP.

Operators are members of the Signal Hill Community Volunteer Program. The hams operate from a fully equipped radio room that abuts the Emergency Operations Center. Equipment includes a Kenwood TM-D710 for 2M/440 and Yaesu FT-857D for HF. Each radio has its own power supply, and antennas are mounted on the roof with a clear view almost to Milpitas.

Did I say we get really

good simplex coverage? We need volunteers who can operate on a regular basis, especially on Tuesday evening at 6:30 and 7:00 to check in to the ARES Net and the Red Cross NA6RC Net, both on the K6CHE 2M repeater. We need a volunteer to check into the ARES Nets on Thursday at 6:30 and 7:15 on the K6CHE 440 repeater and on simplex.

How about signing up for Wednesday at 7:00 to check in to the ARES Net on the DARN System repeaters? How about setting up a schedule to contact an ARES operator on Catalina? Let's have someone participate in the Los Angeles Disaster Communications Service (LADCS) nets. Is HF more to your liking?

We need operators to participate in several emergency services HF nets. The Signal Hill

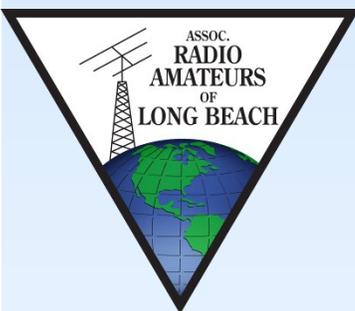
Police Department is interested in maintaining frequent communications with all emergency communications amateurs in the area.

How can you join?

You can apply if you agree to give some service each month, attend monthly volunteer meeting (dinner provided), and commit to one year of service. You'll have opportunities for non-radio work, much like the ARALB support of Signal Hill community events.

If this sounds like something to your liking, please send an email to Sergeant Nick Davenport, the volunteer coordinator, at [ndavenport@signalhillpd.org](mailto:ndavenport@signalhillpd.org). Or you can call him at (562) 989-7222 ext. 87. You can even walk into the police station at 2745 Walnut Ave., in Signal Hill.

By Carina Lister, KF6ZYY



## Associated Radio Amateurs of Long Beach W6RO / KE6LB Weekly Net

QST QST QST. The ARALB Club Net is every Wednesday night at 8pm on the K6CHE 2m repeater (146.145 pl + 156.7) It's a good time to catch up on club announcements and events before the next meeting. If you have any bulletins let us know, or you can email it to me at W6KLY@arri.net and I can read them for you.

Kelly T. Howard W6KLY Vice President ARALB



## VE SESSION

The Associated Radio Amateurs of Long Beach provides amateur radio testing for \$5.00 on the third Saturday of each month at 9:00 AM. The test location is at The Church Of Jesus Christ Of Latter Day Saints located at 3824 Woodruff Avenue in Long Beach. It is behind the Dental Building) . Click [here](#) for a map to the location and a picture of the facility.

Pre-registration is recommended through Louise Chapman (N6ELK), at 562-429-1355 or [n6elk@aol.com](mailto:n6elk@aol.com). When you pre-register your GLAARG Form 605X will be ready to sign when you come in to test. Walk-in applicants are accepted to the sessions capacity.

On test day, bring a photo ID. If you are taking the Technician license test you will also need your Social Security Number. If you are upgrading to General or Amateur Extra you must bring a signed copy of current license, and a copy of each Certificate of Successful Completion of Examination element (CSCE) you wish to present for credit. A copy of your license and any CSCE is turned in with your Form 605X and your test answer sheet.

**If any special accommodations are needed, you must register in advance to insure your needs can be met and the necessary staff is available to assist.**



**AMATEUR  
RADIO  
TESTING  
THE 3RD  
SATURDAY  
OF  
EACH  
MONTH**

### ARALB VEC In Charge

Steve Snider (KJ6FWQ) cell 562-290-2314 email [kj6fwq@arri.net](mailto:kj6fwq@arri.net)

2016 Testing Dates

4-16

5-21

## The Trading Post

The following gear and items are from the station of Ed Ostroff, N1AJK.

Ed is no longer able to operate his station and is offering it all for sale.



1. **Icom IC-746 PRO Transceiver**, SN 0208292. 160-10M, 6M, 2M. Includes: S-125 AC Power Supply SN 0211595, HM-36 Hand Microphone, Instruction Manual with schematics, and wire-bound IC-746 Log Book. Very good condition. More info here: <http://www.universal-radio.com/catalog/hamhf/0074.html>  
Asking \$1,000



2. **Icom IC-R75 Com-**

**munications Receiver**, Sn 0204015. 30kHz to 60MHz, AM/FM/SSB/CW. Includes AD-55A AC Power Supply. Excellent condition. More info here: <http://www.universal-radio.com/catalog/commrxvr/0175.html>  
Asking \$425



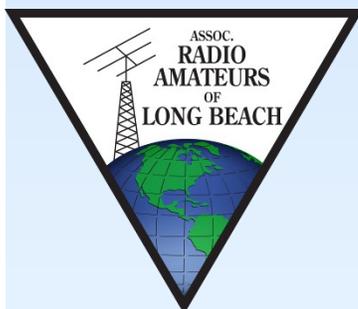
3. **Icom IC-Q7A** Sub-compact 2M/70cm Handheld Transceiver, SN 05742. Includes antenna, belt clip, soft case. Uses 2 AA batteries. Good condition. More info here: <http://www.universal-radio.com/catalog/ht/2481.html>  
Asking \$65



4. **Yaesu FT-11R** 2M Compact Handheld Transceiver, SN 3N061277. Includes original box, FNB-31 battery, belt clip, short antenna, 5/8 wave telescopic antenna. NO CHARGER. Fair condition. More info here: <http://www.universal-radio.com/catalog/ht/FT11R.html>  
Asking \$45



5. **Yaesu VR-500** Handheld Communications Receiver, Sn 9H040855. 100kHz to 1300MHz, AM/FM/SSB/CW. Includes antenna, belt clip, wrist strap. Uses 2 AA batteries. More info here: <http://www.universal-radio.com/catalog/widerxvr/0500.html>  
**This radio needs repair of the LCD and speaker connections. Make offer.**



If you have items for sale please send the listings to:

Kelly T. Howard, at:  
[w6kly@arrl.net](mailto:w6kly@arrl.net)

We can place them in the newsletter and/or on the website. We are adding a new page titled The Trading Post.



6. Icom IC-R10 Handheld Communications Receiver. 500kHz to 1300MHz, AM/FM/SSB/CW. Includes antenna, belt clip, wrist strap, AC power supply (non-Icom). Uses 4 AA batteries. More info here:

<http://www.universal-radio.com/catalog/widerxvr/3550.html>

**Batteries have leaked and corroded the battery compartment. The radio will not operate on batteries, but will run on AC power supply. Make offer**



7. Vector VEC438 'The

## The Trading Post, Cont'd

Weather Channel' StormTracker Radio. FM broadcast band/WX receive, WX SAME alert, LED flashlight. Runs on internal batteries, or hand crank power (AC power supply not included). Good condition. Asking \$15

8. Larsen LM-150 VHF Mobile Mag-Mount Antenna. 5/8 wave on 2M, 3/8x24 stud mount, round magnet base, 12' RG-58 cable. You will want to install a new PL-259 connector, otherwise good condition. Asking \$20

9. Larsen NMO-150 VHF Mobile Mag-Mount Antenna. Identical to the above, except having an NMO mount. Good condition. Asking \$25

10. Misc. items:  
Icom MB-105 - Mounting bracket for IC-7000 control head - NIB \$10

Icom OPC-1443 - Remote mount cable for IC-7000 transceiver - NIB \$30

Icom MB-62 - Mounting bracket for IC-706 series transceiver - NIB \$20

All items are subject to prior sale.

Contact David Akins, N6HHR, to inquire or purchase.

[n6hhr@arrl.net](mailto:n6hhr@arrl.net), or 714-269-6647





I love entering "RadioSport" events, especially on RTTY - I love CW contesting, too, but I can copy faster than my two poor little fingers can type, so it's more work, so I mostly Search and Pounce. Ditto SSB contests, even more so. I enter for the fun of it rather than trying to come out on top (or, truth be told, even near the top!) - although I routinely hunt for my missing band/mode DXCC countries. Low wire antennas, some CC&R's, and a huge close-in hill to my NE limit my competitive

## Ray Day (N6HE), Cont'd

abilities. But.... hey, it's all a blast, yes?

I do Field Day (CW) at URAC/K6AA and lead annual Santa Catalina "DXpeditions" with PVARC/K6PV to activate the Island for IOTA (NA-066). See <http://www.n6rpv.net/pvarc/pictures.htm>.

My XYL is Donna, W6DLD (since 2003 as a General Licensee), ex-N6HTH (1982-2003) and ex-KA6AKL (1978-1982). We were married on Field Day, 1966 (big mistake - er, I mean being married on Field Day, not on getting married in the first

place!).

I graduated from Georgia Tech in 1966 as an RF-oriented Electrical Engineer. Member of TKE fraternity. Have worked for Pan Am (1962 - 1974) and Continental Airlines (1974 - 1982), and have been an independent financial planner since 1982.

I'm also an ARRL Official Observer and an ARRL Volunteer Examiner.

Other hobbies: Photography, scuba diving, and international travel (preferably, all at once!).



Mike Caulfield (XX6XXX)

Mike Caulfield started his HAM career in high school building a station using the Heathkit DX-60 Transmitter and HR-10 Receiver. After a long hiatus he rejoined the hobby in 2006 and is currently has an Extra Class license. His interests in HAM radio are Emergency Communications, Digital modes, and SSB con-

## Mike Caulfield (AF6VT)

testing. He is a member of the City Palos Verdes Estates Emergency Communications team N A R T (Neighborhood Amateur Radio team) and CERT. He is also currently on the Board of Directors of the Palos Verdes Amateur Radio Club and has served as Past V.P. and Secretary.

Mike is a native of Boston and has Electrical Engineering degrees from Northeastern University and MIT. He is currently a Consulting Engineering in satellite communications after a long career in Engineering, Business Development, and Program Management with Boeing Satellite Systems.

## Editors Notes

Once again March has proven to be a great month, not only for the weather, but also for the 32nd annual Baker to Vegas Challenge Cup Relay Race. Many of our club members participate in this event every year. With the race communications utilizing just under 700 volunteer Ham Radio Operators at every stage and facet of the race, this is for many, the biggest ham radio event of the year. Being that most of the race is run through the Mojave desert and there is little to no cell phone reception, the backbone of the race depends entirely on ham radio operators. If you are part of this great team, then you know that this is a great exercise in radio operations, and if you are not involved, I suggest that you consider becoming a part of this event. There are many positions at each of the stages that need help every year, and it can be a great mini-vacation where you can be on the air, what could be better than that? If you would like to get involved please check out the Radio Baker to Vegas website at [www.radiobaker2vegas.org](http://www.radiobaker2vegas.org) and click on the video tab to learn all about it. Thanks again to all who participated and look forward to hearing you on the air for the 33rd Baker to Vegas Challenge Cup Relay.

As always, I welcome your comments. Kelly T. Howard [W6KLY@arrl.net](mailto:W6KLY@arrl.net)



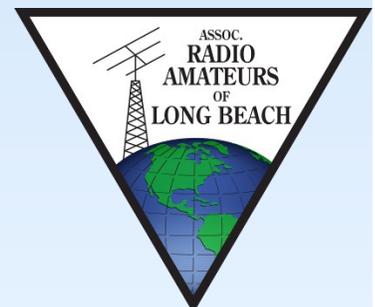
## Become a Crew Member of W6RO Aboard The Queen Mary

### Join The Fun and Be Part of History

Associated Radio Amateurs of Long Beach W6RO Aboard the Queen Mary. Join the fun. Become a W6RO Crew Member and do ham radio from the world famous Nate Brightman Wireless Room aboard the Queen Mary!

We have crew members from all over Southern California.

We especially need more experienced hams to help bring the newer licensees up to par. All we ask is a commitment to one regularly calendared four-hour shift each month. To learn more about this opportunity, please contact the W6RO Manager David Akins (N6HHR), at [n6hhr@arrl.net](mailto:n6hhr@arrl.net)





# MEMBERSHIP APPLICATION

Associated Radio Amateurs  
of Long Beach  
P.O. Box 7493 Long Beach, CA.  
90807-7493



Dues are good for annual calendar year membership (January 1st through December 31st). Membership applications submitted from October through December will be applied toward the following years dues, unless specified otherwise. You will receive an electronic copy of our monthly newsletter, The Oscillator, with your paid membership.

**Membership Type:**                     New Membership                     Renewal Membership

**Dues Paid:**             Regular (\$25)             Family (Add \$5 per add'l member)             Senior )\$20, 62+)  
 Membership Badge (An additional \$18. Includes your name and call sign)

Primary Member: \_\_\_\_\_ Call Sign: \_\_\_\_\_ License: \_\_\_\_\_

Family Member: \_\_\_\_\_ Call Sign: \_\_\_\_\_ License: \_\_\_\_\_

Mailing Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Cell Phone: \_\_\_\_\_ Email Address: \_\_\_\_\_

### ***Affiliations:***

- ARRL Member
- ARES/RACES
- MARS
- SATERN
- VE
- \_\_\_\_\_
- AMSAT

### ***Interests:***

- HF
- VHF/UHF
- Digital
- TV
- Microwave
- Contesting
- Public Service
- Field Day
- EmComm
- Youth Programs
- Project Kits
- Vintage Radio
- W6RO Operator
- Other:

### **FOR OFFICIAL USE ONLY**

Received By: \_\_\_\_\_ Date: \_\_\_\_\_

Paid By: \_\_\_\_\_ Cash     Check     Check #: \_\_\_\_\_

Processed by: \_\_\_\_\_ Treasurer: \_\_\_\_\_ Membership Updated: \_\_\_\_\_ Data-  
base Updated: \_\_\_\_\_