



# The Oscillator

Published monthly by the ARALB, Post Office Box 7493, Long Beach, California 90807

Volume LXXX, Issue 12

December 2007

## President's Message

By Dennis Kidder, W6DQ

December is election time for ARALB, and we have a full complement of officers and directors running. However, the president and vice president nominees are running unopposed. I am not trying to say that this is a bad thing, but it doesn't bode well for a club like ours. I believe that the ARALB is a strong club. We have a growing membership, we are prosperous, and we have a lot of activities. I see other clubs faltering because of the lack of members willing to take the helm. I am proud of our club's history. But our club is only as good as the officers that run it and the membership who elects them. It is important that the membership participate in those club activities - such as voting in new officers and directors. For the members who do not hold an office, I ask that you consider other ways to support the club, such as being chairman of an activity committee. We have several committees looking for leaders. Here is a chance to give back something to your club.

December also marks "Breakfast with Santa", one of Signal Hill's annual events that we support. It is our club's support of events like this that allow us the use of the Community Center. Again, it is you, the membership, who make these things possible by participation. Come on out and help Santa - you won't regret it! The date for the event is December 8, the day after our December general meeting. And, as a reminder, because of the Signal Hill event, we will NOT be meeting at the Community Center but at the Greater Long Beach Chapter of the American

(Please see *President's Message*, continued on page 7)

## A Boone to the Club!

Thank you to Dick Boone, KF6HKA, for securing the use of the Red Cross (GLBARC) for the December meeting of the ARALB. ♦



**General Meeting**  
**December 7**  
**7:00 PM at the**  
**American Red Cross**  
**3150 E 29th St, Long Beach**

This is election night; come and participate! Purchase your banquet tickets. Renew your ARALB membership for next year. There will be lots of time to visit and take care of club business.



❄️ **W6RO** ❄️  
**40 Years**  
**in the**  
**Making**



## Day of Infamy

For those who lived through, or were born shortly after, World War II, the Day of Infamy (December 7, 1941) truly lives on forever. You can hear the entire speech that Franklin Roosevelt delivered to the U.S. Congress one day after the attack. Browse to [www.umkc.edu/lib/spec-col/ww2/PearlHarbor/fdr-speech.htm](http://www.umkc.edu/lib/spec-col/ww2/PearlHarbor/fdr-speech.htm), and look for numerous Pearl Harbor Day ham events from San Diego to Maryland on the ARRL calendar. ♦



## ARALB Board of Directors

### Officers

President  
Dennis Kidder, W6DQ,  
WA6NIA@arrl.net  
562-858-2883

Vice President  
Michael Fox, W6MJF  
W6MJF@arrl.net  
562-427-0074

Secretary  
Ken Lister, KG6TOC,  
KG6TOC@arrl.net  
562-426-9544

Treasurer  
Carina Lister, KF6ZYY,  
KF6ZYY@arrl.net  
562-570-5752

Past President  
George Apt, KF6THT  
cgapt@aol.com  
562-997-8985

### Directors

Marilyn Boone, KF6GZF  
KF6GZF@aol.com  
562-425-6098

Kim De Celles, K9KIM  
kimbolion@aol.com  
562-434-3635

Glenn Draper, AE6YT  
AE6YT@arrl.net  
562-531-3734

Thomas R. Gibbons, W9EYB  
tlgnov6@yahoo.com  
562-529-8644

John Klanchnik, KG6POB  
j.klanchnik1@verizon.net  
562-572-4880

Jeff Potter, KG6DKJ  
KG6DKJ@aol.com  
562-423-9352

## Membership Time!

It's that time of year – holidays, parties, lots of food, lots of shopping, lots of cleaning, plenty of things to be done. AND it's also the time of year that your ARALB membership expires - unless you renew it.

Please fill out the application on page 9, and send it to club Post Office box shown at the top, or bring it to the December meeting.

Look how easy Membership Chairman Bob Grubic, NC6Q, has made this. Renewing members just have to check the box "All information is the same as last year except where indicated below." Add your name and your money, and you're set for 2008.

Don't forget your payment: \$20.00 for a regular membership, \$15.00 if you've celebrated your 62<sup>nd</sup> birthday, and \$5.00 for each additional family member. ♦

## THE JANUARY BANQUET AND INSTALLATION OF OFFICERS AND DIRECTORS FOR 2008

At the December meeting be sure to buy your tickets for the January Banquet. **Tickets are \$18.50 apiece**, and you can choose from a wonderful selection of entrees. Tritip roast beef, chicken parmesan, or a vegetarian dinner featuring eggplant parmesan.

The event will be held at the Masonic Lodge, 5155 Pacific Coast Highway. Social hour at 5:30, dinner at 6:30. Please see the **order form on page 9**. If you mail your order and payment, your tickets will be ready at the December meeting. This will save you a lot of time.

**DINNER! PRIZES! AWARDS! CAMARADERIE!  
DON'T MISS THIS AWESOME EVENT!**

## December Meeting at the American Red Cross

Our Signal Hill meeting place is unavailable on December 7, so we will meet instead at the:

**American Red Cross  
3150 East 29th Street  
Long Beach**

Thank you Dick Boone, KF6HKA, for making the arrangements. ♦



## NATE BRIGHTMAN WIRELESS ROOM

In honor of his over forty years of dedication to W6RO and the Queen Mary, in November 2007 the Queen Mary Wireless Room was renamed the Nate Brightman Wireless Room. Joseph Prevratil, President and CEO of the RMS Foundation that operates the Queen Mary, made the announcement on October 28th, 2007, at Mr. Brightman's 90th birthday party on board the ship.



### W6RO Operators Make Their Day

Members of the 13th USASAFSA [United States Army Security Agency Field Station Association] recently visited the Queen Mary and scheduled a visit to the Nate Brightman Wireless Room. Operators Mary Golden, KI6JVB, and John Rogers, KF6TTR, hosted the guests as they made several QSOs.

Dave Butler, WS8M, of the USASAFSA, spoke for the group when he afterwards wrote from his hometown of Holt, Michigan, "I had nothing but positive feedback from the members who toured the station. I wish I had more time to visit with you, but we were on a tight schedule with the bus transportation."

And he sent this fine photo to record the event.

One more example of the fun of ham radio AND the value that W6RO operators add to the ship. ♦

### W6RO Operators Are Needed!

Would you like to be an Operator in the world famous Nate Brightman Wireless Room on the Queen Mary? You can! Just agree to volunteer four hours per month for one year. For more information call Henry Lulli, W6OLZ, at 714-963-2986, or email him at W6OLZ@socal.rr.com. If you have questions about W6RO, call Nate Brightman, K6OSC, at 562-427-5123. For information about equipment in the Wireless Room, please contact John Rogers, KF6TTR, 562-626-1755 (pager w/vm). ♦

### Nate, how did the City of Long Beach happen to get the Queen Mary?

In the late 1940's the State of California said to the City of Long Beach, "You've got a nice beach there, but the State is tired of paying for taking care of the upkeep. We'll give you the beach if you agree to take care of the beach." Well, the City said that would be fine, and the City took over the beach. That was great until sometime in the 1950's when they discovered OIL in the tidelands. The beach includes 12 miles out, and all that black gold was coming in, and the City was pulling in money like you wouldn't believe. They had millions and millions of dollars in an escrow account. So the state turned around and said, "We made a mistake. We'll make a deal with you, Long Beach. We'll split it with you. We'll take 95% and give you 5%. Sounds fair!"

Well, Long Beach had to spend all their 5% of the oil money in the tidelands area, and it was hard to do. They built a marina, and they still had lots of money left. The state started thinking the City still had too much money, so the City decided they'd better go out and spend it right away. Someone said, "Let's go buy a ship!"

*From a 2002 Interview with Nate Brightman. Whether or not you buy all this, it's always a pleasure to hear Nate tell the tale! ♦*

## WILDFIRES, 2007

*Areas of California that suffered through wildfires in 2003 were still recovering when another, possibly worse, round of wildfires broke out last month. Hundreds of thousands of acres burned along with hundreds of homes. Four years ago, the Red Cross opened shelters for the fire victims and called for volunteers from all over southern California. Tom Gibbons, W9EYB, served in a communications capacity at one of the shelters in San Bernardino .*

*The emergency response this year was different from last time. The Red Cross opened shelters, but there was not the same need for ham operators as before. Many Red Cross emergency volunteers were on call, but there did not seem to be the urgency of four years ago. What changed?*

*Does Amateur Radio still provide a needed emergency service? Is there still a reason to grant hams frequency rights?*

*EMCOM Monthly, a publication of the World Radio Relay League, addressed this concern in its November issue. The complete article appears here. Also see: [www.emcomm.org/em](http://www.emcomm.org/em). ♦*



**Photo by Jorge Amador**

No two disasters are the same. Each major incident presents has its own unique problems...and solutions. There is something to be learned from every incident...no matter how large or small. One axiom that remains constant is that experience and training are paramount. It is also true that leaders in every discipline must be able “to think outside the box.”

The recent conflagration in Southern California is no exception. We heard numerous reports that amateur radio operators in Southern California were ready and eager to respond. The media reports were very alarming and ARES@ leaders in Arizona and Nevada offered to send operators. WRRL decided not to place its TYPE I ARCT (based in San Francisco) on stand-by.

But unlike Katrina and her ugly sisters, Rita and Wilma, the commercial and public safety communications infrastructure remained intact. There was no identified need for welfare (W) or any other precedence message traffic on behalf of the general public. And, as far as we know, there was no need for amateur radio auxiliary communications by any “served agency.” Therefore, no official request for amateur emcomm was issued by Incident Commanders. (We received one report, that some uninvited hams were told to “get out and go home” by one law enforcement agency.)

We are aware, however, that quite a few hams volunteered and were utilized in other aspects of the disaster relief effort. No doubt they used amateur radio for their own communications. We have not heard a single report of any third party message traffic (either TACTICAL or FORMAL), actually being handled for an agency or the general public.

At Qualcomm Stadium in San Diego (the largest evacuation center), three major cellular telephone providers brought in COWS units (cellular on wheels), and provided cell phone service on loan for brief calls from evacuees to loved ones, etc. Also, since this is mostly a very affluent area, most evacuees brought their own cell phones (and chargers) with them.

Since 2001, billions of dollars has been spent on improving public safety communications in the United States alone. Most of the public safety communications systems in San Diego County have power backup

*(Please see **Wildfires**, continued on page 5)*

(Wildfires, continued from page 4)

(propane generators into battery banks) that can keep the sites running for several weeks if the power goes out. Most of the cell sites have the same capability.

Over the past few years, the American Red Cross has developed its own non-amateur radio field communication system (at tremendous expense) and has recruited and trained its own push-button communications specialists.

Will amateur radio emcomm be needed in the future? Absolutely. But "served agencies" that have been so highly courted by many in the past, will have less and less need for auxiliary communications. And even if they do, they will be reluctant to allow amateur radio operators to handle any crucial traffic. In fact, a state official in a major state recently said: "We will never allow hams to handle any of our official traffic. But we will use them to fuel generators, make copies or coffee, and watch the parking lot." Many agencies view hams as nothing more than a bunch of "wanna-be's" wearing a belt full of handie-talkies. Sadly, they are often correct.

Many of those who have bought into the "served agency" notion like to think that they are important. While they may be tolerated, any real importance will diminish in the future. This may be a bitter pill for some of our readers to swallow, but FCC Part 97.1 makes no mention of "served agencies." But it does however state that service to the public and emergency communications as the number one basis and purpose of the amateur service.

Sadly, very few hams care about providing H & W traffic on behalf of the general public. But this "client group" should be our first priority. And soon it may be our only client group.

In the final analysis, as we have always said: "A message is a message is a message." All amateur radio emcomm operators and stations should be ready and capable of originating, relaying and delivering tactical and/or formal (RADIOGRAMS) record message traffic, of any precedence whether it is welfare (W), routine (R), priority (P), or emergency (EMERGENCY), and be ready and available to serve both government and private agencies, as well as, the general public. – EM ♦

**Breakfast with Santa**  
**Saturday, Dec. 8!**

## Scholarship Opportunities

The ARRL Foundation is pleased to announce the availability of 62 scholarships for 2008. The scholarship application period runs from October 1, 2007 to February 1, 2008.

Applicants for any ARRL Foundation scholarship must arrange for current transcripts to be provided as a part of the application process.

Here are a few of the possibilities:

- ☞ A brand new award is the **Scholarship of the Morris Radio Club of New Jersey**, endowed by a \$31,671 gift from the Morris Radio Club. Starting in 2008, a \$1000 award will be made to a qualified candidate without regard to geographic area or course of study.
- ☞ The **Richard W. Bendicksen Memorial Scholarship** for \$1000.00 will be awarded to a ham of any license class who is attending any four-year college or university. No particular major is required.
- ☞ The **William Bennett W7PHO Memorial Scholarship** for \$500.00 will be granted to a ham of General or Extra class who lives in the Northwest, Pacific or Southwest Division and is enrolled in a four-year college or university. Applicants must hold a GPA of 3.0 or better for an ongoing course of study.
- ☞ The **Jean Cebik Memorial Scholarship** for \$1000.00 will be award to a ham with a Technician or higher class license who is enrolled in a four-year college or university.
- ☞ Several **Challenge Met Scholarships** for \$500.00 each will be awarded to hams with any active license class and who attend an accredited two- or four-year college, technical school, or

(Please see *Scholarships*, continued on page 7)



## A Fellow Can Change His Mind, No?

Riley Hollingsworth, K4ZDH, Special Counsel for the FCC's Enforcement Bureau, has decided **not** to retire. At the end of October, one week after announcing his impending retirement in January 2008, he announced that he has decided to stay with the FCC. The time to leave just wasn't right. ♦

## The V-2, Terror Weapon of the 1940s

### By Ken Lister, KG6TOC

Is the threat of terrorism on U.S. soil new in the 21<sup>st</sup> century? A half century ago the Germans developed a terror weapon and tried to use radio technology to increase its effects.

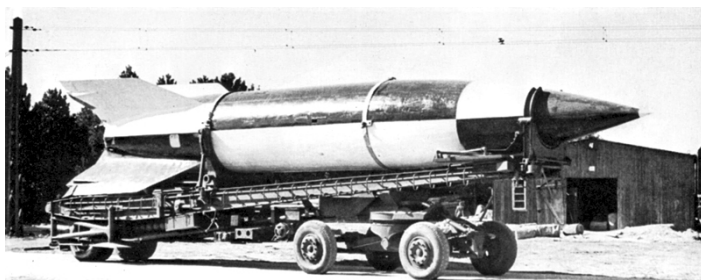
The German V-2, also called the A-4, was the first practical rocket-propelled ballistic missile (the V-1 was a jet propelled cruise missile whose path did not follow the ballistic trajectory of the V-2). How does radio figure into this? The V-2, or some variant, nearly became the first radio-guided intercontinental ballistic missile.

The V-2 was about 14 meters long and 1.5 meters in diameter and was capable of carrying a 910-kilogram high explosive warhead (equivalent to a mid-sized aerial bomb of the time). The weapon was wildly inaccurate (estimated to be able to hit within 7 to 17 km of the target). In part because the V-2 was so inaccurate, it had no significant use against specific military targets, and it was used principally as a terror weapon against large populated areas (London, Antwerp). In this setting, and with its stated purpose of instilling terror in an enemy population, accuracy was not important. Indeed, the seeming randomness of strikes, and the fact that the supersonic missile gave no forewarning, added to the element of terror.

Total production of V-2s exceeded 10,000. The effort expended in creating this arsenal, including the construction of a bombproof underground assembly and testing facility, is said to have resulted in the deaths of 20,000 slave laborers. This was considerably more than the loss of life, estimated at 5,000, resulting from strikes at V-2 targets.

The aiming of the V-2 was based on calculations of its trajectory. It was kept on course by internal, gyroscopic controls. Could the weapon have been improved by some sort of external radio control? The Germans did consider this as a way of improving the accuracy of strikes. Attempts were made to develop a radio beam guidance system but these were abandoned before a missile was operational. This design called for a radio beacon, based on the ground or on a submarine, transmitting at a frequency of 45 Mhz through a horizontal dipole antenna.

Later experimental versions of the rocket were



fitted with wings to permit the device to glide to more distant targets after engine burn was complete. A two-stage version that was designed to reach New York and Washington, D.C. was on the drawing boards. This device was envisioned as either piloted (the pilot would eject before impact) or radio controlled by an operator aboard a submarine. A radio controlled bomb carrying rocket capable of hitting the United States would have taken the German missile program to an entirely different level.

Although the German plan of an attack on U.S. soil was not realized, the threat did exist. More recent events have shown that we can be attacked at home. Terrorist attacks, which will remain a very real threat in the foreseeable future, were prefigured by the V-2. ♦

**Renew your ARALB membership  
at the December 7 meeting!**

### FCC Revokes License of CA Ham

In November the FCC issued an Order of Revocation to Robert Landis, N6FRV. Landis was convicted on two felony counts of child molestation in 1991, fined \$10,000 and sentenced to 11 years in prison. He received his call sign and advanced class license in 1999; it was set to expire in late 2006. He applied to renew it in 2007, within the allowed grace period. The FCC has applied character standards once reserved for broadcast licensees to Amateur Radio licensing and renewal cases. The Order of Revocation said that the sentencing court in California found Landis to be "a sexually violent predator who is a danger to others." Unless Landis files a petition for reconsideration or application for review within 30 days of the release of the Order of Revocation (released November 20, 2007, making the petition due December 20, 2007), his revocation is effective December 30, 2007, 40 days after the release of the Order of Revocation. ♦

*(Scholarships, continued from page 5)*

university. Preference is given to students with a documented learning disability (by physician or school) and indications that applicant is putting forth substantial effort regardless of resulting academic grades.

- ☞ Exclusive to residents of the ARRL Southwestern Division is the **Charles N. Fisher Memorial Scholarship** for \$1000.00. Applicants must hold an active license (any class) and be enrolled in a regionally accredited course of study in electronics, communications, or a related field.
- ☞ The **ARRL Foundation General Fund** awards multiple scholarships for \$1000 each. Applicants must hold an active ham license of any class. No other restrictions; see the ARRL website for details.
- ☞ The largest scholarship is the **William R. Goldfarb Memorial Scholarship**, up to \$10,000 per year, based on qualifications, need and other funding. This award is available to a student with any class active ham license who has been accepted to a four year college or university. The applicant must plan to major in a business, computers, medical, nursing, engineering or science degree. Must be a high school senior; must demonstrate financial need by submission of Free Application for Federal Student Aid (FAFSA) or Student Aid Report (SAR).

These are the highlights of the scholarship program. Information for each of the ARRL Foundation scholarships, including application instructions and forms, may be found on the ARRL Foundation website at [www.arrlf.org](http://www.arrlf.org), the website of the ARRL Foundation, or at [www.arrl.org/arrlf/scholgen](http://www.arrl.org/arrlf/scholgen). ♦

*(President's Message, continued from page 1)*

Red Cross. Make sure that you mark that on your calendar. The Red Cross has hosted many of our meetings in the past, and we are grateful for their support!

Don't forget the banquet coming up on January 26th. Tickets will be on sale at the December meeting. I hope to see you at ALL of these events! 73, -dennis W6DQ ♦



**Nate Brightman, K6OSC, has been Manager of W6RO since its opening in 1973.**

### W6RO Club Station

Nate Brightman, K6OSC,  
Manager

Nehtan@juno.com  
562-427-5123

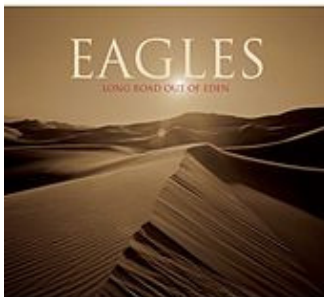
John Rogers, KF6TTR,  
Assistant Manager  
Greyghost1934@yahoo.com  
562-626-1755 (pager)

Lonnie Bingham, K6CBN,  
W6RO Trustee  
K6CBN@aol.com



## The Second Annual ARRL Auction

One of the most successful recent fundraisers has been the ARRL On-Line Auction. This year's event, which ran for 10 days in November, included 181 items.



One item of local interest was donated by Joe Walsh, WB6ACU, lead guitarist with The Eagles. Joe is a good friend of Bob Heil, K9EID, and a big fan of the W6RO Nate Brightman Wireless Room. Joe was present for the presentation of the Heil Classic microphones that are an important feature of the radio room. For the auction Joe donated an autographed copy of the new Eagles album, "Long Road Out of Eden". This is the Eagles' first album of all new material since 1979; it sold more than 711,000 copies during its first week of release in early November. The album had an opening bid of \$50 and sold for \$980. ♦

### Upcoming Events

#### December

- 7 ARALB Gen'l Mtg. Signal Hill Community Center. 7:00 PM.
- 8 Breakfast with Santa. Arrive 7:30-8:00 AM.
- 10 ARALB BOD Mtg. ECOC, 7:00 PM.
- 15 ARALB Testing, CSULB, 9:00 AM.
- 18 LB Repeater Associates, Spires, 6:30 PM.
- 22 ARALB Breakfast. Best Place Café, 8:00.

#### January

- 4 ARALB Gen'l Mtg. Signal Hill
- 7 ARALB BOD Meeting. ECOC, 7:00 PM.
- 15 LB Repeater Associates. Spires, 6:30 PM.
- 19 ARALB Testing. CSULB, 9:00 AM.
- 26 ARALB B'fast. Best Place Café, 8:00 AM.
- 26 ARALB Banquet. Masonic Lodge, 5:30 PM.

#### February

- 1 ARALB Gen't Mtg. Signal Hill Community Center. 7:00 PM.
- 4 ARALB BOD Mtg. ECOC, 7:00 PM.
- 16 ARALB Testing. CSULB, 9:00 AM.
- 19 LB Repeater Associates. Spires, 6:30 PM.
- 23 ARALB B'fast. Best Place Café, 8:00 AM.



### Like Old Movies?

Don't miss this 1939 short, a Pete Smith Specialty Film from Metro-Goldwyn-Mayer:

<http://www.youtube.com/watch?v=vBGIdf0VjQ4>

This YouTube item was posted by YouTube mystery member WA6TKQ, whose call sign is not in the QRZ database. What IS clear is that the film will take you back to those wonderful years when 25¢ bought a ticket for one or even two feature films plus a short and news and even a cartoon or two. Thank you, Mike Yaworski, WA6VUB, for the tip! ♦

### ARALB January Banquet and Installation of Officers and Directors

Name: \_\_\_\_\_ Call sign: \_\_\_\_\_

I would like to purchase \_\_\_\_\_ banquet tickets at \$18.50 each.

\_\_\_\_\_ beef      \_\_\_\_\_ chicken      \_\_\_\_\_ vegetarian

Please send this order form before December 1, to W6RO, P.O. Box 7493, Long Beach, CA 90807.

Don't forget to include your check! Your tickets will be ready for pickup at the December 7 meeting.



Join the ARALB for Breakfast!

## Best Place Cafe

2099 Bellflower Blvd., Long Beach

8:00 AM, 4th Saturday of each month!

WORLDWIDE DISTRIBUTION



**Janet Margelli**  
 Manager  
 KL7MF

933 N. Euclid Street  
 Anaheim, CA 92801  
 714-533-7373, 1-800-854-6046  
 Fax 714-533-9485

ANAHEIM, CA • ATLANTA, GA • BURBANK, CA • DENVER, CO  
 NEW CASTLE, DE • OAKLAND, CA • PHOENIX, AZ • PORTLAND, OR  
 SALEM, NH • SAN DIEGO, CA • SUNNYVALE, CA • WOODBRIDGE, VA

# MEMBERSHIP APPLICATION

Associated Radio Amateurs of Long Beach  
 P. O. Box 7493  
 Long Beach, CA 90807  
 www.aralb.org



Membership Application for Year \_\_\_\_\_ Date \_\_\_\_\_

This application is for:  New Membership  Membership Renewal  
 Update My Information  All information is the same as last year except where indicated below

Dues are \$20.00 annually (Jan. 1 through Dec. 31) or \$15.00 per year for seniors (62 +). Family memberships are an additional \$5.00 per household. You will receive a copy of our monthly newsletter, *The Oscillator*, with your paid membership. Membership badges are available for \$10.00 each. Your complete name and call sign will be printed on the badge. Badges will be distributed at the meetings.

ARRL Membership is available on a separate application form. See the Treasurer at any ARALB meeting.

**Membership Dues: \$20.00      Senior Membership: \$15.00      Each Additional Family Membership: \$5.00**

<b>Primary Member:</b> _____		Email: _____	
Call Sign: _____	License Class: _____	ARRL Member? Yes___ No___	
Address: _____		Phone: _____ (____) _____	
City: _____	State: _____	Zip Code: _____	
Do you want a club email account with <i>yourcallsign@aralb.org</i> ?		Yes ___	No ___
Do you want your email address to appear on the club website?		Yes ___	No ___
Would you like to be an operator on the Queen Mary?		Yes ___	No ___
How would you prefer to receive <i>The Oscillator</i> ?		by email ___	or by USPS ___

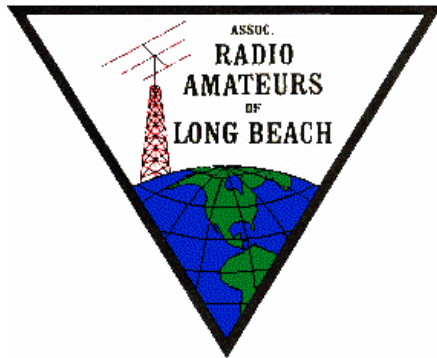
<b>Family Member:</b> _____		Email: _____	
Call Sign: _____	License Class: _____	ARRL Member? Yes___ No___	
Do you want a club email account with <i>yourcallsign@aralb.org</i> ?		Yes ___	No ___
Do you want your email address to appear on the club website?		Yes ___	No ___
Would you like to be an operator on the Queen Mary?		Yes ___	No ___

<b>Family Member:</b> _____		Email: _____	
Call Sign: _____	License Class: _____	ARRL Member? Yes___ No___	
Do you want a club email account with <i>yourcallsign@aralb.org</i> ?		Yes ___	No ___
Do you want your email address to appear on the club website?		Yes ___	No ___
Would you like to be an operator on the Queen Mary?		Yes ___	No ___

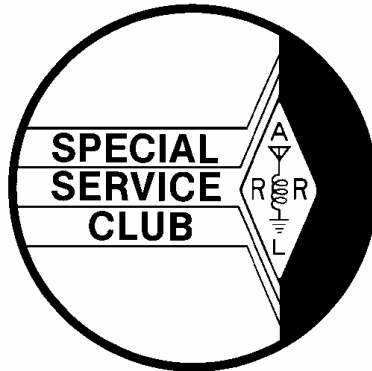
<b>FOR OFFICE USE ONLY:</b>			
Date received: _____ / _____ / _____	Cash: _____	Check # _____	
Amount received: \$ _____			
Processed by: Treasurer _____ Membership Chair _____			
<small>revised October 2007</small>			

# See the ARALB web site at [www.aralb.org](http://www.aralb.org)!

The Associated Radio Amateurs of Long Beach publishes The OSCILLATOR each month. Subscriptions are included with membership. The editorial staff reserves the right to edit all submitted material. Credit to The OSCILLATOR and the writer should be given with any reproduction. The comments and views expressed by authors are not necessarily the views of the ARALB, its officers, or the editorial staff. The deadline for submission of articles for publication is the 15th of each month. Articles can be sent via email to [KF6ZYY@arrl.net](mailto:KF6ZYY@arrl.net) or [W6MJF@arrl.net](mailto:W6MJF@arrl.net), or by mail to The OSCILLATOR, Michael Fox, W6MJF, 3546½ Falcon Ave., Long Beach, CA 90807-4816. Material can be on paper or any standard digital format. Printer: Circle C Printing, Bellflower, CA. Print Distributor: Joy Matlack, KD6FJV. Email Distributor: Carina Lister, KF6ZYY.



Associated Radio Amateurs  
of  
Long Beach



## Important Nets

### ARALB Net

Fridays at 7:00PM except meeting night  
145.520 simplex

### ARES/RACES Net

Tuesdays at 6:30 PM

146.745 – PL 156.7

Thursdays at 6:30 PM

449.780 – PL 131.8

223.800 – PL 156.7

Thursdays at 6:45 PM

1282.200 – PL 156.7

Thursdays, about 7:00PM

145.520 Simplex

## THE ASSOCIATED RADIO AMATEURS OF LONG BEACH, INC.

Oscillator Editor  
Carina Lister  
1021 Amelia Dr.  
Long Beach, CA 90807

Place 41¢  
U.S. Postage  
Stamp Here

## FORWARDING SERVICE REQUESTED

## FIRST CLASS MAIL

---

PROGRAM: Elections, membership renewals, banquet tickets, and *MORE!*

TIME & PLACE: 7:00 PM. Friday, Dec. 7, American Red Cross. 3150 E. 29th St., Long Beach.