



ARCOVER

South Bay Amateur Radio Club



W6SBA

E-mail: W6SBA@arrl.net

A Community Service Organization

Dedicated to Amateur Radio Since 1970

Website: <http://www.w6sba.org>

President - Alex - KD6LPA

March 2010

The screenshot shows the PSK31 Deluxe v3.0 Beta software interface. The main text window displays a QSO log entry for a contact with call sign OLEG (UR4QI/MM) from Y08FR. The text includes details such as QTH (Botosani Botosani Botosani), location (KN37hr), and a report of 599. The contact is identified as a 66-year-old operator. The interface also shows a list of macros on the left, a tag list on the right, and a waterfall display at the bottom showing the frequency spectrum around 14.070 MHz.

Field Day 2010 Preparation (Cont.) -- Presented by Ray WA6OWM and Alan KG6ZPL

For our March meeting, we'll be reviewing how to setup HF, VHF/UHF stations for Voice, CW and Digital modes, the interfaces, selecting software, assuring smooth FD operation, start members using RTTY and PSK programs, and inventory members with multimode VHF/UHF rigs for the upcoming ARRL June VHF QSO Party.

Pictured above: Sample screenshot of PSK contacts from PSK31 Deluxe software.

“*Eli* the *Ice* man, a Fictional Tale of Bureaucracy”

By Alex Marko

Who is *Eli*, why is he an *Ice* man, and how does bureaucracy fit into electronics theory? In AC circuits, *Eli* helps us remember important properties about inductors (a.k.a. coils). And likewise, his home made of *Ice* tells us something about capacitors!

Look at the letters in the words **ELI** and **ICE**. See any similarities? Notice both words use the vowels **E** and **I**, except their positions within each word are reversed. This is an important clue in deciphering the intended meaning from the phrase “*Eli* the *Ice* man”.

In electronics, the letter **E** actually stands for *Electro Magnetic Force* (EMF), but that takes too long say out loud, so we just call it **Voltage**.



The letter **I** stands for **Current**. Why the letter **I** stands for **Current** is beyond my comprehension. The guy in charge of selecting these abbreviations really dropped the ball on this one, and should’ve been fired in my opinion, but unfortunately he was transferred to a different abbreviations committee.

Next we have the letter **C** which stands for **Capacitance**, a measure of a capacitor’s electric charge. Makes sense. No problems with that one.

Finally, we have the letter **L** which stands for.... **Inductance**. What??? Here we go again! I was enraged when I found about this. So I called up the abbreviation committee and demanded to speak with the chairman. He said that since the letter **I** was already designated for **Current**, they had to choose a different letter. So I said, couldn’t you have chosen something like **N** for **Inductance**? They said they were trying to, but the compass abbreviation committee had already reserved **N** for **North**. With so many abbreviation committees reserving letters out of the alphabet, they had to act fast! So the committee asked the electrical engineers for an alternate term for inductors. “That’s easy”, they said. Inductors are essentially **coils**. Since we’ve already used **C** for **Capacitance**, we’ll use the **L** in the word coil for **Inductance**.



So, to summarize the abbreviations we have:

E = Voltage **I** = Current **L** = Inductance (coiL) **C** = Capacitance

“*Eli* the *Ice* Man (continued)”

So just by looking at the spelling of the word, the middle letter tells us whether we’re referring to an inductor / coil (**L**), or a capacitor (**C**). The position of the vowels **E** and **I** tells us which comes first: voltage (**E**) or current (**I**).

ELI = Voltage comes before **Current** in an INDUCTIVE circuit. (Voltage **leads** Current)

ICE = Current comes before **Voltage** in a CAPACITIVE circuit. (Current **leads** Voltage)

It’s amazing how this little sentence answers SO many questions in the FCC question pool. Let’s try it out:

E5B09: What is the relationship between current and voltage across a **capacitor**?

- A) Voltage and current are in phase.
- B) Voltage and current are 180 degrees out of phase.
- C) Voltage leads current by 90 degrees.
- D) **Current leads voltage** by 90 degrees.



The word **ICE** tells us that for a **CAPACITOR**, current (**I**) comes before voltage (**E**).

E5B10: What is the relationship between current and voltage across an **inductor**?

- A) **Voltage leads current** by 90 degrees.
- B) Current leads voltage by 90 degrees.
- C) Voltage and Current are 180 degrees out of phase
- D) Voltage and current are in phase



The word **ELI** tells us that for an **INDUCTOR** or **COIL**, voltage (**E**) comes before current (**I**)

Tada! That wasn’t so hard!!! Next issue, we’ll explore more about this 90 degrees nonsense. It sounds complex and intimidating, but it’s not that bad. Until next time, 73s!!! -- Alex

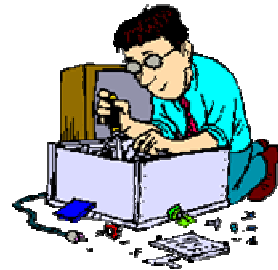
TRW Swap Meet Selling Policy:

If you’re interested in making a little income on the side, consider selling some of your old ham gear or other electronic items at the TRW Swap Meet! The swap meet is an important source of revenue for the club, and also gives us a community presence to attract new members into the club.

If you come out to the swap meet and sell your own item, the club takes a 10% commission on the total price of the sale (you keep the other 90%). If, on the other hand, someone else in the club sells your item for you, or if the item comes from a non-member, the club takes a 25% commission. For more information, please contact our secretary, Joe WB6MYD.

The Kenwood Service Center West will be closing it's doors March 31, 2010. This is the center formerly at 17300 Marquardt Avenue in Cerritos and more recently at 16205 Distribution Way in Cerritos. They are not accepting any new repair jobs. The only official remaining Kenwood Repair Facility for ham equipment is:

KENWOOD AUTHORIZED SERVICE CENTER - EAST
829 LYNNHAVEN PARKWAY #130
VIRGINIA BEACH, VA 23452-7224
Phone: 757-340-1702
<http://www.avsl.net>



If you're looking for general ham radio service repair, club members have reported having good luck using the following resources:

Mark Moore, N6MGM at HRO in Burbank

1525 W. Magnolia Ave, (818) 842-1786 or (800) 854-6046 or burbank@hamradio.com.
 Mark is there M-F but not weekends. Store opens at 10:00am daily, closed Sundays

John Klewer, N6AX

He is the former repairman at HRO Anaheim, and is now working out of his home.
 808 Azalea Ave, Placentia, CA 92870 (714) 993-0435

Need \$5 off an item at Best Buy?

First Come, First Serve

For Sale: Best Buy Gift Card worth \$53.66
 Will sell for \$48.66 cash. If interested, please
 Contact Rich (310) 502-5476, a friend of Alex KD6LPA.



FREE Household Hazardous Waste (HHW) Disposal Event:

Date: 3/20/2010 9:00 AM - 3:00 PM (888) CLEAN-LA

Location: Northrop Grumman Parking Lot
 One Space Park Drive (northwest corner of Aviation and Marine)
 Manhattan Beach, California 90266



All types of paints, stains/varnishes, solvents, glues, antifreeze, used motor oil and filters, transmission fluid, coolants, batteries, lighter fluid, acids, pesticides, household cleaners, pool chemicals, CRT's (computer monitors), old TVs, compact fluorescent tubes and bulbs, thermostats and other mercury-containing lamps, batteries, Sharps and medicines.

Amateur Radio Course

FCC “Technician” course (entry level)

It will be a 2 session course

**The sessions will be on 24 April & 1 May
From 10:00 AM to 2:00 PM both Saturdays**

Bring a lunch

The FCC test will be 10:00 to noon on 8 May

The location is Hesse Park

29301 Hawthorne Blvd.

Rancho Palos Verdes

- No pre-registration required -**
- Taking the FCC Test is \$15 -**

Optional Material

- Gordon West book with the FCC test questions, \$21 -**
- Copy of my Power Point charts, \$15 -**

**Students thru grade 12 who take the course and get
their Technician license will be reimbursed up to \$50 by
The Palos Verdes Amateur Radio Club**

**For more information contact
Walt, K1DFO, at walt.ordway@yahoo.com**

ANNUAL DUES:

The following members have renewed their membership in addition to those listed in the February issue:

Kostek-K6MNA 551460	Marjorie-KF6HPR 551462	Arthur-WS6U 551461
Burt-K6KYM 551463	Roy-K6ARB 551464	James-KI6UPL 551465
Gary-WD9DUI 551466	Donna Wilson 551468	John-AE6LK 551467
Harlan-KC6YBJ 551469	Alex-KD6LPA 551470	Brian-KI6ERR 551471

The cost for an individual membership is \$20. For two members of the same family is \$30. Three or more members (family membership) is also \$30. However, the family membership is a special case where only one person in the family gets to vote. Other family members are eligible for attendance drawings and all other privileges. If you have any questions, please contact Joe, WB6MYD.

If your name did not appear in either the February or March listings, that means the Secretary has not received your annual dues. Please take a moment of your time and renew your membership in the SBARC. Your continued support and participation is greatly appreciated. As an added bonus, we are issuing membership cards for you to carry in your wallet which will be distributed to you during club meetings.

Please make your check payable to the SBARC and mail to the following address:

**South Bay Amateur Radio Club
Post Office Box 536
Torrance, CA 90508-0536**

CLUB SERVICES:

License upgrades and / or new license testing
VE Sessions are held the 2nd Saturday of every even month
Need to sell something at the Swap Meet?
ARRL Membership renewals or new registration
Club Name Badge / Jackets

CONTACT:

Joe, WB6MYD
Joe, WB6MYD
Joe, WB6MYD
Joe, WB6MYD
Joe, WB6MYD

POSITION:

Secretary / Treasurer
Secretary / Treasurer
Secretary / Treasurer
Secretary / Treasurer
Secretary / Treasurer

Club Operation
Need something posted on the web site, or newsletter?
Ideas for Club Speakers, Field Day Planning
Membership, Health & Welfare
Upcoming Club Events
Club Activities

Alex, KD6LPA
Alex, KD6LPA
Ray, WA6OWM
Brian, KI6ERR
Jerry, KI6RRD
Alan, KG6ZPL

President
Editor / Webmaster
Vice President
Council Member
Council Member
Council Member

If you have questions about your ham equipment, please feel free to ask any of our club members for help. Or, if you'd like, please talk to any council member, and we'll do our best to help you.

"Elmering" is available to every member, please ask any officer, and we will find a knowledgeable club resource for you.

You're a member of one of the best clubs in the area, and we want your help to make it even better. If you have a suggestion or an idea for improvement, we want to hear from you. Please feel to contact any council member by phone or email.

NOTES FROM THE SECRETARY JOE-WB6MYD
e-mail address - jlanphen@ca.rr.com 310-328-0817



1. International DX Convention in Visalia, CA on April 16-18, 2010:

All information may be found in QST or ask at our next meeting for more details. 100th Anniversary of Boy Scouting in North America will be celebrated in the Whittier Narrows with a Special event. Dates are as follows: Friday May 21, 2010 from 2:00pm till 10:00pm and Saturday May 22, 2010 from 8:00am till 4:00pm. Amateur Radio support is requested for the various activities planned those days. Please let me know if you're interested in supporting this.

2. Special Olympics: This worthy annual event at Cal State Long Beach will be held on June 12 and 13th, 2010. E-mail Mark Lidikay mlidikay@holdenandrew.com to sign up.

3. ARRL SW Division Convention: The plan for the 2010 ARRL SW Division in San Diego on September 17-19, 2010. Remember 2010 is in San Diego and of course we are next with the 2011 SW Div convention in our area.

4. Attendance Drawing: Kostek - K6MNA was the lucky winner for the \$25 kitty in February. Unfortunately, Kostek was not present, so the March jackpot will increase to \$30. Remember, you must be present to win, and be a member in good standing.

5. Services: Please remember to renew or become an ARRL member through the club. (Contact Joe for details). The club benefits by getting a commission, so please help us out. Also, if you'd like to order a name badge, they can be ordered for \$10. Phone patch subscription is available for \$40 annually.

6. Weekly Net: Join us every Thursday night at 7:30PM on the W6SBA repeater to hear all the latest and enjoy the conversation by your fellow SBARC members. (No net occurs on the day of club meetings)

7. Special Thanks: I wish to thank ALL of you for the good wishes I received during my hospital stay while I underwent surgery to get my hip replaced. I especially want to thank those of you who were able to stop by and cheer me up. You made my day! Thank you!!!

8. Reminder: Remember the Club Services available to you as shown in the ArcOver are for you! Please feel free to ask for and seek the assistance from any of the officers and anyone you think might be able to help you! We're all in this together!

CLUB OFFICERS FOR 2010:

President, Alex Marko - KD6LPA
kd6lpa@socal.rr.com - 310-530-6614

Vice-President, Ray Grace - WA6OWM
wa6owm@arrl.net - 310-370-1913

Secretary/Treasurer, Joe Lanphen - WB6MYD
jlanphen@ca.rr.com or w6sba@arrl.net - 310-328-0817

Past President, Richard Whited - KG6JKJ
rbwhited@yahoo.com - 562-756-7103

Activities Council Member
 Alan Parks, KG6ZPL
aparks@raytheon.com - 310-558-8718

Events Council Member
 Jerry Shaw, KI6RRD
shaw@scsenginc.com - 310-374-5252

Membership Council Member
 Brian Smith, KI6ERR
brian.sbarc@yahoo.com

CALENDAR

Council Meeting - 1st Wednesday of the month
Call Joe - WB6MYD (310) 328-0817

Club Meeting - 3rd Thursday of the month
March 18, 2010 @7:30 p.m.
Torrance Memorial Medical Center
West Tower, 2nd Floor, Room "A"

Club Nets - **W6SBA WEEKLY NET**
Every Thursday @7:30pm
(except the night of club meetings)
PVUSD EMERGENCY NET
1st Tuesday of the month
09:30 Hours on the W6SBA repeater

TRW Swap Meet Saturday, Mar 27, 2010 @7-11am

VE Session - April 10, 2010
West Tower, 2nd Floor, Room "A"
Contact: Joe WB6MYD
Phone: (310) 328-0817
jlanphen@ca.rr.com or w6sba@arrl.net

Social Lunch - 2nd Saturday, April 10, 2010, @12pm
Billy's Deli
5160 West 190th Street
Torrance, CA 90503-1005 (310) 371-0168

CLUB SERVICES

Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Brian - KI6ERR
Swap Meet Chair	Joe - WB6MYD
VE Test Liaison	Joe - WB6MYD
VE Test Sessions	Joe - WB6MYD
Webmaster	Alex - KD6LPA
Editor	Alex - KD6LPA
Proofreader	Vacant

South Bay Amateur Radio Club Repeater

224.38 MHz ·PL - 192.8 Hz Offset -1.6 MHz
(See Calendar for Weekly Net Times)

NEWSLETTER SUBMISSION

South Bay Amateur Radio Club
P.O. Box 536
Torrance, CA 90508
W6SBA@arrl.net
Website: <http://www.w6sba.org>

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Address Correction Requested

A COMMUNITY SERVICE ORGANIZATION

W6SBA

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Torrance, CA 90508-0536

