



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>

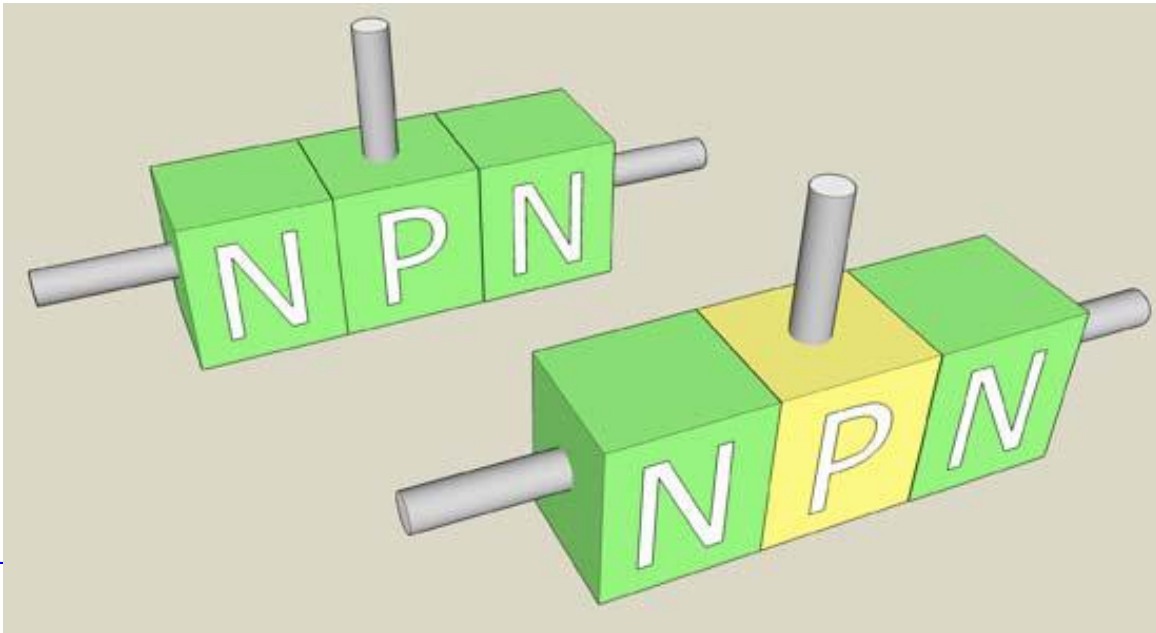
President - Alex - KD6LPA

August 2009

THIS MONTH'S PRESENTATION:

**TMMC, Health Conference Room 1
Thursday, August 20, 2009**

"The Manufacturing Process Behind Transistors"
Presented by Wayne Yoshida - KH6WZ



About the Speaker:

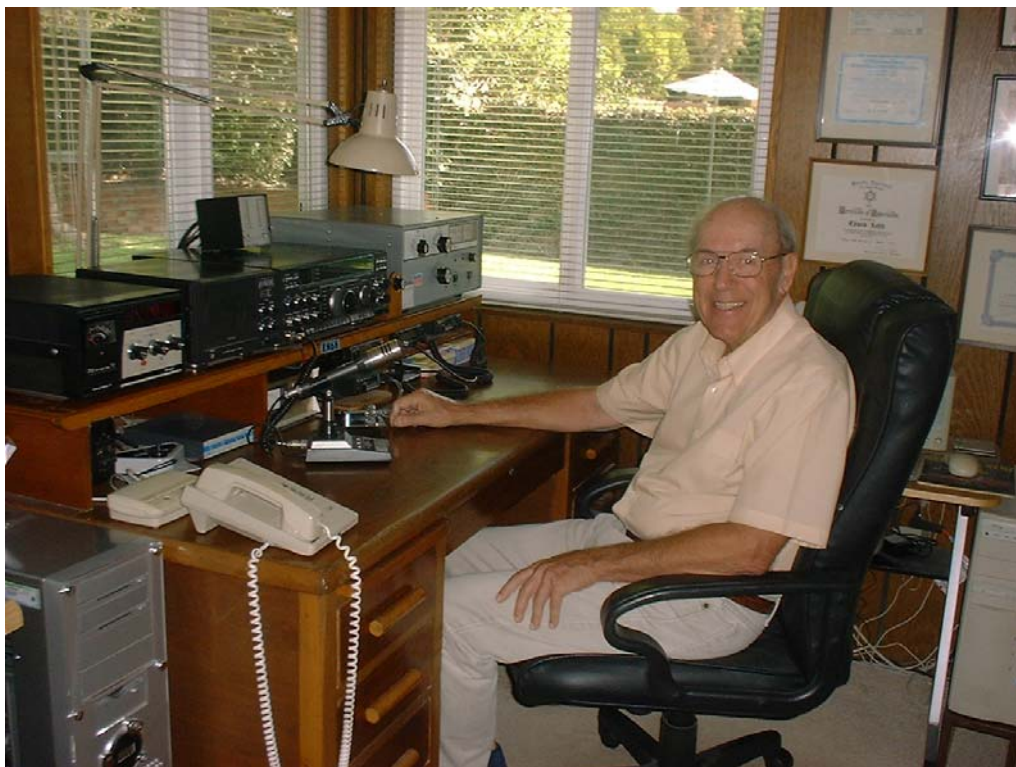
Wayne Yoshida, KH6WZ, is well known to readers of CQ Magazine as the "Beginners Corner" editor. He has been part of the amateur radio community for many years and his interests range from HF to Microwave. Wayne has built several radios from scratch and is active in VHF-and-up contests. You can see some of his rig pictures at: http://www.ham-radio.com/sbms/rigs/kh6wz_pics/kh6wz.html.

This month, Wayne will be taking us on a virtual tour of the manufacturing process behind transistors used in communications. Wayne works for a major radio and electronics manufacturer as a technical writer. Please welcome him to the SBARC August club meeting!

INSIDE LOOK AT CHUCK'S STATION AND SOME MEMORABLE QSO'S

The shack of Chuck KN6H is centered around a Yaesu FT-1000D HF Transceiver, 200 watts with SP-5 auxiliary speaker and phone patch. To the right is a Commander HF-2500 linear amplifier and on the left a Heathkit SB-634 digital clock, phone patch, timer and power/SWR meter. Atop the Yaesu is a Palomar Engineers M-827 SWR/Power meter.

Beneath the FT-1000D is the rotor controller for a KT-34A 4-element beam atop a 60' tower, separate rigs for VHF and UHF, plus a PK-88 packet TNC. Various operating conveniences are also pictured such as antenna switches for VHF/UHF antennas and for the HF beam, wire dipoles and a dummy load. A bank of five 13.8v, 80aH gel cells, abundant power for emergency work, is also included.



Chuck was first licensed in tenth grade as W9DOY (Darned Ornerly Youngster). Subsequent callsigns include W0DOY, WA6TMC (Too Many Cookies or Too Much Coffee), KL7EAZ in Alaska, ZL0AFT in New Zealand and finally KN6H (Kleptomaniacs Need 6 Hands).

Along the way he has confirmed 330 countries and DXCC on each of seven bands: 10, 12, 15, 17, 20, 30 and 40 meters. His anecdotal stories are endless, including running phone patch traffic for 24 hours after the Mexico City earthquake. His QSL card depicts his second hobby, a vintage 1971 Mercedes Benz 280SL which has appeared in calendars, books, and the cable television series Ride of Your Life.

One of his more interesting QSO's resulted from meeting a couple one evening at a house warming in Rancho Palos Verdes. The wife approached me and asked if I was a ham radio operator. With a somewhat worried expression she related how her 18-yr old son was on a yacht cruising the Pacific with a group of his 18-yr old friends. She had not heard from him for over three months and was getting worried.

That evening, I monitored the Pacific Maritime Net on 20 meters. Net Controls were located in Seattle, Hawaii and New Zealand and I was able to copy all three as they took a roll call of yachts cruising the Pacific. The yacht I was looking for checked into the net, so I gave him a call and took him off the net frequency. I asked if the 18-yr old was aboard, and the answer was, "Yes, do you want to speak with him?" While he was being rounded up, I telephoned his parents in RPV, connected my rig to the

telephone and they talked for over an hour with their son. I never heard of two more pleased and relaxed parents of a teenager. As with many 18-yr olds, their son was having so much fun, he simply had forgotten all about the folks at home. As you might expect, the phone call was greatly appreciated. I believe ham radio scored a few brownie points with at least one couple in Rancho Palos Verdes.



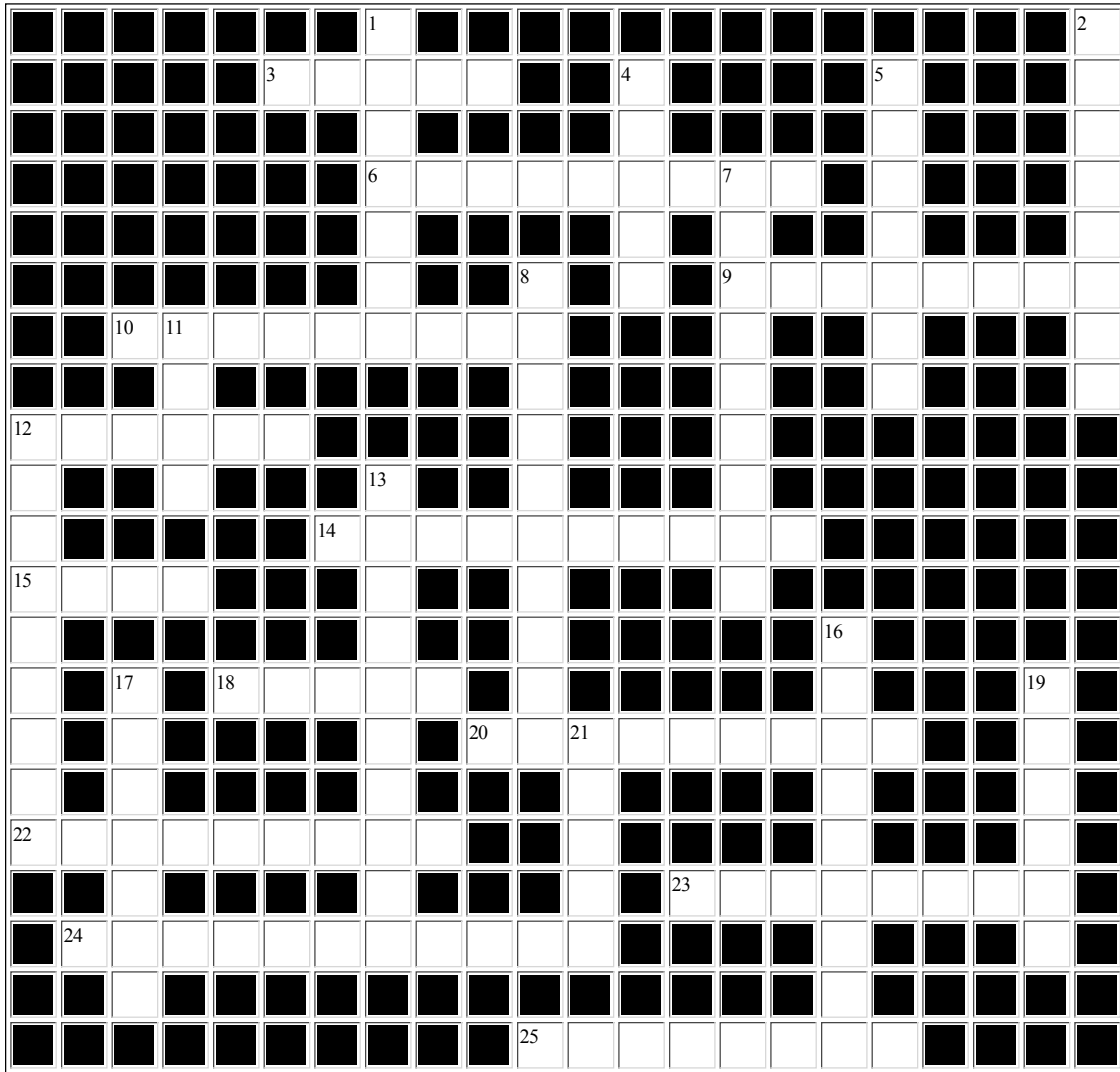
Another memorable contact was with a sailor wintering at the South Pole. As we chewed the rag one evening, it became evident the poor guy was very lonesome. Winter at the pole is so severe it is impossible to venture outside. He was confined 24/7 to a series of tunnels and rooms dug under the ice. At one point, he asked if I had a phone patch, could I please call his fiancé in Denver. When she answered, it was obvious she had done this phone patch stuff before, screaming with delight when I told her who was calling.

Then came the embarrassment, at least for me. It was quickly evident the two of them were very much in love and missed each other in the worst way. The conversation became rather intimate. To remind them the whole world was listening, I interrupted every few minutes to give my callsign. That calmed them down for about ten seconds, then they were right back at it. Whew, my ears were burning by the time the band folded and the contact broke up. Based on that single conversation, I'm sure by now they are a happily married couple with a flock of kids. Ain't love wonderful?

Ham radio is capable of incredible service. I've sure had fun with my equipment, starting with building it from scratch back in the Golden Age of Radio, right up to today with IRLP, Echolink, Radio Arcala, satellites and contacts like the above. It's a great, timeless hobby we're in, folks, with hundreds of avenues to explore. And every one of 'em is great fun. Enjoy! -- Chuck, KN6H

We certainly want to thank Chuck for contributing this month's ArcOver Insider article. We really appreciate it, and we hope you enjoyed reading it. We'd like to continue publishing articles about our club members, enabling others to find out more about the knowledge and experience within our club. If you'd like to submit an article, or recommend another member for an Insider article, please contact me, Alex.

Ham Trivia



Across

3. Mode to describe voice transmissions over the radio
6. Popular ham band
9. How we identify each other over the air
10. WA6OWM's tag line during club introductions. Hint: His favorite mode and how long he intends to use it
12. Protocol to transfer files over amateur radio
14. You must identify yourself at least once during this time period
15. Transmits GPS position
18. This country invented the standard for DSTAR
20. Term for number of times per second alternating current flows back and forth
22. Electronics circuit used to store energy
23. Send still pictures over the air
24. Concentrates radio signals in one direction
25. Capacitance increases in this circuit

Down

1. Common name for Electro-Magnetic Force
2. Echolink relies on this to transmit information between stations
4. Digital voice over amateur radio
5. Mute static noise
7. AC to DC circuit
8. This component has a base, collector and an emitter
11. This unit describes electrical power
12. Stand alone antenna elements
13. Computer device used to program radios
16. 1.2 GHZ, 2.4 GHZ for example
17. Communicating on same frequency
19. Repeaters use this to mask unwanted communications
21. Highest ham license

DEALS OF THE MONTH!!!

For a limited time, you can score a great deal on the ICOM IC-91AD, a D-STAR hand held radio!

The 91AD is a 2m/440 HT that also does Digital Voice -- a new mode that compresses human speech into a fraction of the bandwidth normally required for FM fidelity.

Digital Voice, combined with the D-STAR system, allows you to contact hams all over the world right from your HT. D-STAR repeaters can be used to forward traffic to other D-STAR repeaters around the world via the internet. Pretty cool technology! Right now, this radio is being closed out in favor of its replacement, the IC-92AD. HRO is selling the 91AD for \$369.95 + sales tax. So you get the HT radio, the Digital Voice logic, and the remote control software / cable for one low price. That's over \$200 in savings! These deals are good until September 30, 2009.



Announcing the JetStream JT220M -- a mobile 220 rig that was recently introduced to the U.S. market. This rig looks similar to the Alinco DR-235, but boasts a full 50 watts on the 220 band!

The rig has a 100 memories, standard CTCSS and DCS encode/decode features, and has three power settings, 10/25/50 watts. If your looking for a new 220 rig for your car, or perhaps to replace / augment your station at home, the JetStream might be just what you're looking for. Price is \$239.95 + tax.



SBARC CONTEST CALENDAR FOR AUGUST 2009:

- Aug 15 SARTG WW RTTY 00UT - 08UT Sat 16UT - 24UT Sat 08UT - 16UT Sun, RTTY Only,
Exch RST + QSO # Info: <http://www.sartg.com>
- Aug 15 No American QSO Party 18UT Sat - 06UT Sun, info NCJ
- Aug 15 New Jersey QSO Party 20UT Sat - 07UT Sun, 13UT Sun - 02UT Mon
info: <http://www.qsl.net/w2rj/QSO2009.pdf>
- Aug 22 Hawaii QSO Party 07UT Sat - 22UT Sun Exch: Hi Station - RST/County,
others RST/State-Prov-Country
info: <http://www.karc.net>
- Aug 22 Ohio QSO Party 16UT Sat - 04UT Sun Exch: Ohio Ser #/county, others Ser #/state/prov/country
- Sept 5 All Asian DX SSB 00UT Sat - 03UT Mon info: JARL
- Sept 5 Colorado QSO Party 12UT Sat - 04UT Sun., info: <http://www.ppraa.org/COQP/2009>
- Sept 6 Tennessee QSO Party 18UT Sun - 03UT Mon Exch RST/Tn county or RST/State
- Sept 12 Arkansas QSO Party (Details to follow)
- Sept 12 ARRL September VHF QSO Party 18UT Sat - 03UT Mon. Exch: Grid Squares
info: <http://www.arrl.org/contest/forms>
- Sept 19 South Carolina QSO Party 19UT Sat - 21UT Sun
- Sept 19 Washington Salmon Run (Washington State QSO Party) 16UT Sat - 07UT Sun
- Oct 3 California QSO Party 16UT Sat - 22UT Sun Ca: QSO # + County, others: QSO # + State/Prov/Country
- For more info <http://www.hornucopia.com/contestcal/weeklycont.php>

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

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

CONTACT:

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

Alex, KD6LPA
Alex, KD6LPA
Rich, KG6JKJ
Matt, N6MDC
Nancy, NJ6S

POSITION:

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

President
Editor / Webmaster
Vice President
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. (Contacts: Page 4)

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



1. **Last Month's Speaker:** We wish to thank Dave-WA6CGR for the excellent presentation on 10GHz. Dave presented several homebrew rigs, and encouraged anyone interested in learning more about microwave radios to come down and visit his shop down in Wilmington. There, he has virtually every part needed to build a rig from scratch. This is an extremely generous offer, and I encourage each of you to take advantage of this opportunity to learn and explore about microwave radio theory and construction.
2. **Name badge:** Please let me know if you would like to order a name badge. The cost is 10 dollars. The badge has room for your first name along with your call sign.
3. **Health and Welfare:** If you or anyone close to you is having health or other problems, we want to help and let that person know we care. We can send greeting cards, flowers, and encourage club members to call to wish that person well. Please contact Council Member #1, Matthew—N6MDC.
4. **Attendance Drawing:** Chuck-KN6H was the lucky recipient for July's Attendance Drawing and was therefore presented with the \$30 dollar kitty. Congratulations Chuck! Since we had a winner, our August attendance drawing will be reset to \$20. We look forward to seeing you there!
5. **Membership rosters:** Members present at our July meeting were given the new membership roster. I will bring more copies with me for the next several meetings, so if you want one, please come see me and I will give the most up to date SBARC membership roster. Remember, confidentiality for each and every one of your fellow club members.
6. **Meeting location:** As a reminder, the August 20 meeting will be in the Health Conference Center, Room 1.

The Health Conference Center is adjacent to the multi-story parking lot -- facing south.

Room 1 is on the first floor. Go thru the double doors and veer to the left. See ya there!



CLUB OFFICERS FOR 2009:

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

Vice-President: Richard Whited - KG6JKJ
rbwhited@yahoo.com - 562-756-7103

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

Council Member #1, Matthew Cruse - N6MDC
310-374-5696

Council Member #2, Nancy Klatskin - NJ6S
nklatskin@verizon.net - 310-540-3253

Past-President, Ed Hinz - KN6JN
kn6jn@aol.com - 310-325-7944

CALENDAR

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

Club Meeting - 3rd Thursday of the month
August 20, 2009 7:30 p.m.
Torrance Memorial Medical Center
Health Conference Room 1

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, Aug 29, 2009 7-11:00 a.m.

VE Session - October 10, 2009
West Tower, 2nd Floor, Room "A"
Contact: Joe WB6MYD
Phone: (310) 328-0817
jlanphen@ca.rr.com or w6sba@arrl.net

Social Event - 2nd Saturday, September 12, 2009, 12pm
Billy's Deli
5160 W. 190th Street, Torrance CA

CLUB SERVICES

Awards Manager (HF/VHF)	Cliff - K6LH
Health & Welfare	Matthew - N6MDC
Swap Meet Chair	Joe - WB6MYD
VE Test Liaison	Joe - WB6MYD
VE Test Sessions	Joe - WB6MYD
Webmaster	Alex - KD6LPA
Editor	Alex - KD6LPA
Proofreader	Nancy - NJ6S

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>

TO:

Address Correction Requested

A COMMUNITY SERVICE ORGANIZATION

W6SBA

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

