



SHORT SKIP

SHORT SKIP is published monthly (except July and September) by WVARC. Deadline for items is second Saturday of previous month. Submission by electronic mail preferred. Email to: shortskip@yahoo.com.

West Valley Amateur Radio Club, Inc is an ARRL affiliated club
Post Office Box 1573, Sun City Arizona 85372

WVARC is a 501(c)(3) not for profit corporation

CLUB OFFICERS

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CLUB DIRECTORS

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Don Bastien	K7UGO	Past President

Ellsworth Campbell AA7TU, Editor 623-975-0646

e-mail: shortskip@yahoo.com

Club Web Page: <http://www.qsl.net/wvarc>

WVARC CALENDAR

Monday	Aug 1/Sep 5	Monthly Meeting	St. Clement Catholic Church Social Hall 7 PM (15800 Del Webb Blvd, Sun City)
Saturday	October 1	VE Testing	DeVry University 7:45 AM (2149 W Dunlap Ave, Phoenix)
Saturday	Aug 13/Sep 10	Club Breakfast	Lou's Tivoli Gardens 8:00 AM (14635 Del Webb Blvd Sun City)
Thursdays	Breakfast, Coco's		(98 th Avenue & Bell Road) 8:00 AM
Daily	Call-in Net	147.30 MHz	9:00 AM

CHUCK IMSANDE W6YLJ IN HOSPITAL

WVARC member and Ten-Ten International President Chuck Imsande W6YLJ, suffered a stroke on June 10 during the International's convention in Mesa, Arizona. He is in Del Webb Hospital, Sun City West. His wife Esther KB6HW, said he might be hospitalized for several more weeks. Address note cards to him at 20815 N. Desert Sands Dr, Sun City West, AZ 85375.

About 150 people from USA, Canada, UK, Germany and Ireland attended the Ten-Ten International Convention which met June 8 through June 12.

OUR SYMPATHY TO RAY SUMNER NW7R

Ruth Sumner, wife of Raymond W. Sumner NW7R, died on June 28, 2005 at their home in Waterbury, CT

Ruth and Ray were married for 57 years, lived in Sun City for 19 years before moving back to Waterbury, Connecticut in 2001.

While residing in Sun City, Ray was dedicated to serving WVARC in several capacities. He has continued his membership. Their son David K1ZZ wrote Rich Piggott WB2LKU, "Dad's doing OK. He often talks about how much he misses you and others in the Club."

FCC LICENSE EXAMS

Next exam session at DeVry University Saturday October 1. Exams start at 7:45 AM and all tests must be concluded by 9:45 AM. Check-in at the Library on the second floor, southeast corner of the School. Bring photo ID and the original operator license and CSCEs and photocopies of each if applicable. ARRL VEC Exam Fee is \$14 for all elements taken once. An additional fee applies for a retest of any element. Retest is at the option of the VEs. **Pay fee by check to ARRL/VEC or exact amount in cash – Volunteer Examiners cannot make change.**

The June 4, session at DeVry – 9 candidates were examined

- 2 earned Code (upgrade)
- 1 Failed Code
- 5 earned Technician license
- 3 earned General License
- 1 earned General Credit (good for 365 days)

Administering VEs

Robert Miner KA7NPQ Liaison

VE Team:

Edward H. Beyer – WU7A
 Robert Fairfield – K7RQN
 Harold V. Taylor – W7HVT
 Glenn M. Wade – N7JWF
 Richard Koch – W7DIC
 David Morrill – N7TWT
 Ken Peloquin – N7PHO
 Ralph Adair – W7JU
 Shelly Newman – AB7LQ
 Robert Knight – N7LPD
 Joseph Cutitta – W0SLL
 Bob Bianca – KN7E
 Rick Tannehill – W7RT

From Robert Miner

Thanks to all our Volunteer Examiners for your help Over the past months. Hope you have a safe and Happy summer. See you at our next exam session October 1st.

EXAM ELEMENT 1 CODE CREDIT

A holder of a Technician license issued after 1987 has no credit for Code Element 1. If the holder passes the code exam then he (or she) will have HF privileges but will not earn Element 1 credit for license upgrade. The FCC will not record the CSCE issued by the VEs so it must be preserved by the Tech. To earn code credit and a license upgrade, the Tech must pass written Element 3 within 365 days of passing Element 1. A CSCE dated before 366 days is not valid for an upgrade.

NEEDED Net Control Operators for the Morning West Valley Call In Net! Please take a little time and become a Net Control Operator on the 9:00 AM daily West Valley Call In Net held on the 147.300 MHz West Valley repeater. Call Lee Chrisman AB7HW 480-483-6584 or email me at ab7hw@arrl.net. West Valley Radio Club members need your help!

SERVICE FOR HAMS (Advertisement)

Have you found a good used tower but can't figure out how you're going to get it down and moved to your QTH? Here's your solution: call Paul Playford, W8AEF at 623-580-0015. He has the know-how, and the equipment to do the job right.

ANOTHER SERVICE OFFER (Advertisement)

I buy used electronic and radio equipment. Also I can work for you as a Handyman doing antenna work or odd jobs, and am willing to take used equipment if you prefer, as payment. Please call Scotty Rathjen W7SW at (623) 214-3303 or send an email to: w7sw@ARRL.NET

EXPIRING LICENSES

W7FPG	Joe Nowakowski	Oct
KC7NWN	Christine Miner	Nov

NOTE--Deadline for providing input to the next Short Skip is Saturday September 10
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NEW MEMBERS OR LATE RENEWALS

Daniel Ford	K2LH	PEORIA
Roger S Matschke	WA9MSR	Sun City West
Elliot Silverman	K1FOC	Sun City West
Ken Solheim	KE7EEV	Surprise

UPCOMING HAMFESTS

Friday September 9 to September 11, 2005
ARRL Southwestern Division Convention, Riverside Convention Center, Riverside CA, hosted by Inland Empire Council Amateur Radio Organizations (IECARO). Ward Silver, author of "Ham Radio for Dummies" will be the featured banquet speaker. Daily Programs include public service, emergency communications, emerging technology in equipment and operating modes and many, many prizes.

Registration: arrl2005registration@yahoo.com.
Vendors: ad6f@scal.net. Web page:
arrlswdconv.org/ and arrl2005@yahoo.com

Saturday September 17 – Hualapai ARC, Mohave Community College, 1971 Jagerson Ave, Kingman, AZ. Contact Bill Beaman, KA0IYS, 2652 E. Mary Ave, Bullhead City, AZ. Phone: 928-758-6780

Saturday, October 15: Old Pueblo Radio Club, Kino Sports Park, 2500 East Ajo Rd, Tucson. Contact: John Clor, N7SQQ, 1934 South Avenida Planeta, Tucson, AZ 85710. Phone: (520) 400-6446, e-mail n7gv@aol.com.

HAM HOME REAL ESTATE (Advertisement)

Are you or someone you know looking for a Ham Home? I can help you find a home with a tower or one where a tower can be added. Call or email me to get started.

Richard Haworth W7MDQ
Coldwell Banker Success Realty
602-370-1450 cell
rahaworth@cox.net

EXTRA CLASS TRAINING PLANNED

Dan Pierson W6NTX is planning to offer the Extra class license course starting September 30, 2005. Nine classes each Friday night from 7 PM to 9 PM at the Sun City Posse training room. He needs a minimum of five students. The text book is the ARRL Extra Class License manual, eighth edition. Contact Dan Pierson, W6NTX at 623-546-2131 or send e-mail to dpierson@computer.org.

REMINDER FROM RON RASMUSSEN K6OP

It's never too early to mark your calendars, so please put down Wed. November 9, 2005 for Ladies Night Out. Location will be Palmbrook Country Club, 9350 W. Greenway Rd, Sun City. Great entertainment, prizes for the ladies, and great food. More details later...for now just mark your calendars!

K7UGO WILL LEAVE ARIZONA

Past President Don Bastien K7UGO and his XYL Nancy will move from Arizona back to their home state of Connecticut. Don's cheery presence on the 2 Meter Call-in Net will be sorrowfully missed.

Broadband Over Power Line (BPL) and Amateur Radio

Radio amateurs are not opposed to broadband services. On the contrary, they tend to be early adopters of new technology. However, there are ways to deliver broadband that do not pollute the radio spectrum as Broadband over Power Line (BPL) does. These include fiber-to-the-home, cable, DSL, and wireless broadband. The ARRL is supportive of broadband access for all Americans; however, it opposes BPL as a way to achieve this goal because of its high potential for causing interference to radio communication.

BPL Tutorial

Broadband over Power Lines (BPL) also goes by a few other names and acronyms: Power Line Communications (PLC, Power Line Telecommunications (PLT), and Power Line Broadband (PLB) are terms also used. Most of these papers and links use the term "BPL." There are a number of types of PLC systems, using different approaches and architecture. All are "carrier-current" systems, a term used to describe systems that intentionally conduct signals over electrical wiring or power lines.

There are three major categories of PLC:

Access BPL uses electrical distribution lines, overhead or underground, to provide broadband Internet access to homes and businesses. Because their wiring is physically large, often overhead and extends across entire communities, access BPL systems pose a significant interference potential to over-the-air radio services. Amateur Radio is *not* the only potentially affected service from these types of systems. There are a number of different techniques used in access BPL, from spread spectrum to OFDM (multi-carrier signals). Studies done by amateurs in Europe, Japan and the US leave little doubt that access BPL that uses overhead electrical distribution wiring poses an interference risk to HF.

In-building BPL systems are designed to use the electrical wiring within a building to network computers. Most operate under the HomePlug specification. (See the HomePlug-related link following). HomePlug systems used within a building have notches in their product specifications, to protect over-the-air Amateur Radio operation.

Control PLC operates below 500 kHz, and is used by electric-utility companies to control their equipment using the power-lines as transmission lines. This type of PLC does not pose any significant interference risk to HF operation.

Additional Information

- An excellent article on BPL was published in the July/August 2004 edition of TCA, the Canadian Amateur, "BPL Interference: Fact or Fiction", Barry Malowanchuk, VE4MA. It contains a tutorial section that explains several different BPL technologies. A general tutorial on BPL is available at HowStuffWorks.com.
- Anthony Good, K3NG, has written a "frequently asked questions page" about BPL.
- This paper, presented by Gary Box, N0JCG, at the 40th Annual Minnesota power Systems Conference (MIPSYCON), has a tutorial about broadband over power line and the new FCC rules restricting how it can be deployed.
- Although written with an industry slant, this tutorial on the Wave Report website offers a technical description of several BPL technologies. Part II and Part III offer additional information. In Part III, Alan Scrim, Chief of the Policy and Rules Division at OET summed up the interference issue succinctly: "If you are doing everything right, and existing regulations are sufficient, why am I up here asking you questions?" Brett Kilbourne, Director of Regulatory Services for UPLC, had the answer: 'Because there are incumbent users [of that spectrum] that you have a duty to protect.'

July 8, 2003 -- "BPL is a Pandora's Box of Unprecedented Proportions," ARRL Tells FCC

Citing the potential for interference to and from Amateur Radio, the ARRL has called on the FCC to "take no steps" to permit Broadband over Power Line (BPL)--a form of power line carrier (PLC) technology. The League has filed a 120-page response--including studies--in response to the FCC's BPL Notice of Inquiry.

(Excerpted from ARRL articles on arrl.org web page)