



WEST VALLEY AMATEUR RADIO CLUB

P O BOX 1573 SUN CITY, ARIZONA 85372-1573

SHORT SKIP

SHORT SKIP is published monthly except July and September. Deadlines for items is second Saturday of previous month. Submission by electronic mail preferred. E-mail shortskip@yahoo.com. West Valley Amateur Radio Club, Inc. is an Arizona 501(c)(3) not for profit corporation.
An ARRL Affiliated Club

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

WVARC CALENDAR

Monday	October 1	Monthly Meeting	St. Clement Catholic Church Social Hall	7 PM
			(15800 Del Webb Blvd, Sun City)	
Saturday	October 7	VE Testing	DeVry University	7:45 AM
			(2149 W Dunlap Ave, Phoenix)	
Saturday	October 14	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

PREZ SEZ

Hello again to everyone! I hope you all have had a fine summer. We enjoyed Colorado this summer and returned somewhat early to savor some of the remaining summer heat. Thank you for arranging the temperature to drop into the 90's for our arrival. I had a lot of fun talking on 2 meters with friends in Colorado and had some limited success talking on 20 meters. The 20 meter band seemed to bounce up and down from good to terrible from day to day. I hope you had better success on HF this summer than I experienced.

Our annual "Ladies Night Out" is being planned by Ron Rasmussen, K6OP. It will be at a new location with new and better menu selections. It is planned for November 10, 2006. See the registration sheet in this issue, and send in your reservations early.

As most of you have heard, the town of Surprise is in the planning stages of bringing BPL to the Sun City West/Surprise area.

The WVARC Board members are currently planning a strategy to document the before and after technical data so that we can do everything possible to keep it from hurting our ham bands. We will keep you advised in our meetings and on the net as to the current status or progress.

It is good to be back in Arizona. I hope to see you at the October 2nd meeting.

David Cain, AC7CS

WELCOME NEW MEMBERS

Carl Beisecker	KB7VPV	Peoria
Daniel Hart	KE7DCG	Peoria
Michael Pastore	KE7IIS	Surprise
Mark Saunders	KJ7BS	Glendale

EXPIRING LICENSES

The following licenses expire in November

K7AX	Milo Blair
N7KO	Rick Dill
W8PHG	John Frost
KE7XY	F C (Red) Maloney
W7TZ	Steve Mc Cully
W7JS	Jack Schmidt
N7RD	Ron Smith
NY7S	Tom Watts

HAMFESTS & EVENTS**Friday September 22 – Sunday September 24**

ARRL Southwestern Division Convention

"Ham Radio – Helping All Of Mankind"

San Diego Marriott Mission Valley
8757 Rio San Diego Drive
San Diego, California
<http://www.sandarc-conv2006.org/>

Saturday September 30**Public Service Event****ADA TOUR DE CURE****Radio communication volunteers needed.**

Walk event sponsored by American Diabetes Association (ADA) at Midwestern University near Loop 101 and West 59th Avenue, Glendale AZ. Approximate time 5:00 PM to 8:00 PM
Contact Rick Aldom W7STS 480-707-8423 or email to natecf@gmail.com. Amateur radio operations managed by Maricopa County Emergency Communication Group (MCECG) the public service division of Arizona Repeater Association (ARA).

Saturday October 21

Tucson Group Hamfest
Old Pueblo Radio Club, Tucson Repeater Association, and Radio Society of Tucson
Location: Kino Sports Park, 2500 East Ajo Road
Talk-In: 147.30 (PL 110.9)
Contact: John Clor, N7SQQ, 1934 South Avenida Planeta, Tucson, AZ 85710, Phone: 520-400-6446
Email: w7gv@aol.com

WELCOME NEW MEMBERS

Mark Saunders	KJ7BS	Glendale
Carl Beisecker	KB7VPV	Peoria

FCC LICENSE EXAMS

Next exam session at DeVry University Saturday October 7. 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.**

Hi VE Team, Hope everyone had a great summer. It's that time of the year again. VE Testing Session at DeVry University. October 7th at 7:45 am in the Library. Hope to see you there!

73's KA7NPQ

Robert Miner - VE Manager

EXPRESSION OF SYMPATHY

June Thompson, wife of member Mit K9CCX died September 2. Mit says that although she was not a Ham, she eagerly encouraged and supported his engagement in the hobby. She is also survived by sons Alex and Don Pulley and four grand children.

NET CONTROLS NEEDED

Two more fellow hams have volunteered to be regular net controls for the 9 AM Two Meter Daily Call-In-Net. They are Ed KE7HTL in Mesa and Mike KE7HFE in Tonopah. We invite more volunteers so that no single Net Control is overburdened by the daily schedule. Membership in WVARC is not required. Because there is a different Net Control each day, the sessions have an interesting variety of formats that have made this particular net a merry morning favorite. To volunteer, call Vern AD7AM (623) 582 5919.

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 e-mail to: w7sw@arrl.net.

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

NOVEMBER 10 IS NOT A LONG WAY OFF

Please mark your calendars for Ladies Night Out which will be on Friday November 10. See the special insert in this issue to make your reservation.

THE GOOD OLD DAYS

Amateurs have been fooling around with makeshift radio sets since the early 1900's. In dusty attics, cow barns, and toolsheds, tinkerers {mostly young} sat with headphones strapped on, and tapped into the miracle of the airwaves {or the "ether"} as they commonly called it, a term that only added to the sense of magic. Wires were wrapped around baseball bats and Quaker Oats boxes to form receivers; transmitters were made from tinfoil, glass, and wire; "speakers" were fashioned from newspapers rolled into cone shapes all for the considerable excitement of picking up signals from far off places--an event so special that it sometimes was reported in local papers.

As early as 1911 instructions for building a radio receiver were listed in the manual of the Boy Scouts of America; underscoring the quality of boyhood adventure attached to radio experimentation particularly when it involved tapping into signals from Navy stations. During World War One, all nonmilitary radio broadcasts were ordered to suspend their use of the airwaves to allow for clearer communications. But even when civilian radio operation resumed in 1919 most people still thought of broadcasting {actually a farm term meaning "the act or process of scattering seeds"} as little more than an eccentric hobby.

With the licensing of the first stations in the early 1920's {Pittsburgh's KDKA officially began in November 1920} that all changed.

Now there was something besides hello, or CQ to hear even if families still had to build their own receivers. Thanks to the Amateurs and others the sheer thrill that came with watching a few wires and tubes light up and pluck a voice or sound out of the open sky made Radio to the air what the automobile was to the Earth and only your imagination would dream of it's uses. In 1922 the medium really took off. At the out set of that year there were 28 stations; at the end. 570 And now big companies began manufacturing sets. And the rest is history Amateur radio is still a great hobby and a service in emergencies of which we can be proud.

Ron W8QVG

FOR SALE

The following equipment was donated to W.V.A.R.C. by the estate of Dan Pierson, W6NTX., and others.

Current meter Palomar eng. PCM-1	\$50
Headset 2000 ohm (for crystal set ?)	10
Antenna tuner AEA-AT-3000	175
Swr/power mtr. Autek WM-1	40
Pakrat PK 232 w/ MFJ 1272m & book	40
VTM Heathkit IM-5228	20
.Antenna A E A HR-1 handheld telescope	20
Handheld trans. Yeasu FT-10a16d w/ dc & ac p.s. (new cond)	130
Transceiver Icom IC-2100	80
Antenna tuner Dentron super tuner	100
Transceiver Tempo model 2020	200
Transceiver HT Santek ST144up w/ mobile ps	40
Power supply Pyramid phase three 25 amp	80
Headphones Kenwood HS-5	15
Key Western electric/chrome	10

Many more small items, & ARRL books @ 2.00 ea

Call Stan K7PLO @ 623-933-4073 OR E-MAIL K7PLO@cox.net

WANTED (from a posting by ARRL)

Cable for Icom SM-8 microphone to control 2 rigs. I bought an SM-8 used, and it came with a cable for 1 rig only. Really would like to use the mic to control 2 rigs as designed - love the mic! Send info to n8eb@arrl.net

Copy of PC PAKRATT on CD...either for DOS or Windows...Royce n6rdn@arrl dot net

Older Yaesu 8-pin microphone with round connector. Any of these would work: MH-26a8, MH-26f8, MH-27a8j, or MH-15d8. Karl Pfaff K8QB karlpf@hotmail.com

WANTED: 1938 ARRL Publication HOW TO BECOME A RADIO AMATEUR. It must be for the year 1938. wb9rww@wmconnect.com

Swan 117XC Power Supply that matches up to a Swan 350 Gregg wb8yys@arrl.net

Paddle or bug -- broken, rusted, missing parts, I don't care. Will re-use parts for a home-brew keyer project. Jim, KJ3P. E-mail kj3p@arrl.net

SATELLITES

AMSAT (Phase 3D) AMSAT-Oscar 40 (AO-40)
Part 4 of 4

AMSAT (Phase 3D) was launched into space on November 16, 2000, and was named AO-40 after reaching a highly elliptical orbit. It was a large spacecraft with solar panels that could be extended outward. Oscar 40 was the first amateur satellite with "3-axis stabilization using internal momentum wheels." The spacecraft had a (3/2 orbit), three revolutions around the earth every two days.

Everything was going well for several days, until the onboard rocket engine firing did not produce the target orbit.

Communications were lost with the spacecraft and it appeared that AO-40 may be lost due to a major explosion. Finally, the watch dog timer did its job, and on December 25, 2000, the satellite's beacon reappeared. Oscar 40's telemetry was analyzed and a significant amount of damage was seen due to the explosion.

Finally AO-40 was opened for operation on May 5, 2001. The big problem remains: "should an attempt be made to deploy the spacecraft solar panels?" Full deployment of the panels could be impeded by the earlier onboard explosion. This subject is still under consideration. Analysis of the satellite's data and long distance troubleshooting have provided interesting challenges.

"Most of the key problems encountered during the launch and orbit change are now felt to be well understood, and therefore preventable in future missions." AO-40 is still in orbit.

*Robert Fairfield K7RQN AMSAT-NA
Area Coordinator, Peoria, AZ*

DON'T MISS A GREAT OPPORTUNITY!

Grab that Ladies Night Out registration form, pick your choice of menus and get it in the mail pronto—otherwise you're going to miss the highlight of the year!

<p>Deadline for material for next issue of Short Skip is Saturday October 14, 2006</p>
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**PRESIDENT BUSH'S TECHNOLOGY AGENDA
A Sketchy History Lesson**

On March 26, 2004 President George W. Bush wrote "This country needs a national goal for...the spread of broadband technology. We ought to have...universal, affordable access for broadband technology by the year 2007, and then we ought to make sure as soon as possible thereafter, consumers have got plenty of choices when it comes to [their] broadband carrier."

The Administration added, "The Administration is working to enable the rollout of broadband technology. The Department of Commerce is developing the technical specifications necessary to enable the widespread and responsible deployment of broadband over power lines (BPL). Having conducted 10 million measurements of BPL systems, the Department of Commerce will be able to chart the clear technical path forward for BPL to coexist with other critical uses of spectrum. Once deployed, BPL has the potential to turn every electrical outlet into a broadband pipeline."

BPL - Broadband over Power Line is an extension of carrier current technology. Until now, the technology has been used to send HF and VHF narrow band signals are sent over power lines or the electric power wiring of a building instead of over the air. Receiving devices plugged into any outlet on the system can detect the signals. These systems have been used for intercom networks within a building among other applications. Carrier current systems are a permitted but unlicensed use of the electromagnetic spectrum. By FCC rules these systems may not cause interference to a licensed service, and must accept interference from a properly operated licensed service. The sending of broad band digital signals over wires was a new application, and it caused huge interference - and the FCC acted to update regulations. After gathering opinions and rule making proposals from the carrier current and the electric power industries, and licensed users such as ARRL, FEMA, and local government agencies, FCC issued a Memorandum Opinion & Order (MO&O) in August. The MO&O requires certification of BPL devices.

See the Administration's statement on the WWW:
www.whitehouse.gov/infocus/technology/economic_policy200404/chap4.html -- Rich Piggott

Who will be the Ham of the Year? That will be announced at Ladies Night Out.

WEST VALLEY AMATEUR RADIO CLUB
LADIES' NIGHT OUT
FRIDAY, NOVEMBER 10, 2006

LOCATION: Lou's Vistas at Westbrook
18823 N Country Club Parkway, Peoria, AZ

DIRECTIONS: From the corner of Union Hills and 91st Avenue, go North on 91st Ave to the next stop light which is Country Club Parkway. Turn right (East) and travel 0.7 miles to the Vistas Golf Club & Restaurant on your LEFT. Follow signs along Fairway to the restaurant around in back of the front buildings.

HAPPY HOUR: 6:00 to 7:00 P.M.

DINNER: 7:00 P.M. with Program to follow

Entrees:

Top Sirloin Steak Cooked to your order.	All choices are served with: - Salad - your choice of dressings on table - Warm Bread - Baked Potato - Vegetable - Dessert - Beverage
Baked Chicken Chicken Breast, breaded and baked in a white wine sauce	
Baked Cod An 8 oz fillet breaded and cooked in a wine sauce.	

Cost: \$15.00 per person includes meal, tax and gratuity.



Name(s):		Callsign(s):		
How many?	Entrees	Dinner(s)	@ \$15.00	\$
	Steak	Dinner(s)	@ \$15.00	\$
	Chicken	Dinner(s)	@ \$15.00	\$
	Cod	Dinner(s)	@ \$15.00	\$
Total enclosed:				\$
Please RSVP by mailing your coupon and check, (payable to WVARC) to:				
Ron Rasmussen 21031 Desert Sands Drive Sun City West, AZ 85375-5445				
We must receive your coupon and payment no later than MONDAY, November 6, 2006.				