



SHORT SKIP

SHORT SKIP is published monthly (every 2 months in summer) by WVARC. Deadline for items is 2 weeks before meeting. Mail to Club PO Box or call Editor Ray Summer NW7R (972-8733).

FEB 6: AUCTION

The West Valley ARC will meet on MONDAY FEBRUARY 6th at St Clement Social Hall, 15800 Del Webb Blvd, in Sun City for an AUCTION of items related to ham radio. Anyone wishing to sell any amateur related gear, large or small, is invited to check in at 6 PM, and buyers are invited to come at 7. After a brief business meeting, the auction will begin with help from Frank Smith AH0W & Paul Playford W8AEF. 10% of sales proceeds will be donated to WVARC; 100% donations will also be cheerfully accepted. Helpers, contact Frank (876-2718 or 938-8000) to volunteer.

The meeting on the January 2nd holiday had to be cancelled when the club could not obtain a key to the Social Hall. We understand that the priest thought we had a key. The Board Members apologize to those who showed up for the meeting, especially to Frank Smith AH0W, who was to give the program. It is hoped that he will be available to tell us about the DXpedition to Socorro Island (Revillagigedo) at a future time.

Dues cut-off date has been extended to March 1st. There will be a table for dues collection at the Auction. Those who do not plan to attend should mail their \$10 to the club PO Box to be included in the new roster. To new members: there is no "initiation fee"; \$10 will include all family hams at same mailing address.

WVARC OFFICERS -- 1995

PRES	GEORGE WATLING	N7JSA	933-0854
V-PRES	CHUCK HILLIKER	W7KIV	584-0918
SEC	MERRILL BUTTERMAN	KF8DZ	930-5534
TREASURER	ERNIE BREWER	N7EBN	848-1875
DIRECTORS:	AL LAMB	KE7WT	876-8518
	BILL PAULEY	KB7RRE	938-6163
	JOHN KORNBECK	WA9HBT	566-2018
	JACK NORMAN	KA3VIY	546-9551
PastPRES	RALPH BARR	W0DNO	582-8208

NO-CODE TECH CLASS TO BEGIN FEBRUARY 3

West Valley ARC holds classes in Feb/March and Oct/Nov for prospective Amateur Radio operators. There is NO CHARGE. The next series begins FRIDAY FEBRUARY 3 from 7 to 9 PM at SUN CITY POSSE HQ, 10861 Sunland Drive, and is held each Friday through March 31st (exam night). Instructors use the ARRL license manual Now You're Talking, available at Ham Radio Outlet or Radio Shack. At the end of the last series (Dec 2), some 28 candidates tested for Tech and other licenses, with a high percentage of passes.

TUESDAY NIGHT is available for GENERAL, ADVANCED or EXTRA class, depending on which has the most interest. Call Ray NW7R (972-8733) to register for NO-CODE TECH or upgrade class.

The Club is grateful to the SUN CITY POSSE for the use of their excellent training facilities.

C.A.R.L. SEEKS MORE PARTICIPANTS

A meeting will be held at DeVry Institute, 2149 W Dunlap Ave at 9:30 AM Saturday January 28 for those who have signed up with a cluster group (Management, Technical, Finance, Communications) of the CENTER for AMATEUR RADIO LEARNING (CARL). Others wishing to join in this project to establish an Amateur Radio station and exhibit at the new Arizona Science Center are invited to attend and learn of the progress to date.

All Greater Phoenix area amateur radio clubs have expressed an interest in this effort. To assure its success the project will require many volunteers. WVARC members should call Club Coordinator Dave Pollack at 933-8771 to sign up. Members of other clubs call your Coordinator or Al Lee (933-1942).

FOR SALE

COMPUTER EQUIPMENT:

NEC MULTISYNC MONITOR; \$150 obo
 PANASONIC KXP 24 pin PRINTER; 100 "
 COLORADO 120 backup tape drive; 70 "
 SOUNDBLASTER PRO 8 bit card; 40 "
 ATI VGA Video card w/1mb
 video ram; 20 "
 Desk case W/200 w/power supply; 15 "
 IO Card; 10 "
 Zeb KM7L 972-8253

30 FT TELESCOPING ANTENNA MAST,
 galv. steel w/guy rings; \$45.
 George N7SCC 995-2005

LICENSE EXAMS FEB 4, NONE MARCH 4

Tests will be given at DeVry Institute, 2149 W Dunlap Ave, on SATURDAY FEBRUARY 4, for all classes of Amateur Radio Licenses. Walk-in registration 8 to 10 AM (none registered after 10). Bring photo ID, original and copy of appropriate license and/or CSCE, and filled-out FCC Form 610. (Do not write in Section 2 of Form.) A single fee of \$5.90 is charged for all tests at one sitting. A second charge of \$5.90 is applied for repeat tests where the candidate has missed by one or two question the first try. There is no charge for Element 1a or 2 (Novice tests).

There will be NO TEST SESSION on SATURDAY MARCH 4th at DeVry, which is DeVry Registration Day. Exams will be given on the FIRST SATURDAY of all subsequent months EXCEPT JULY and SEPTEMBER (Volunteer Examiners please note). Walk-in exams will be held on March 11th, 8-10:30 AM at Scottsdale Community College (Dave 963-3527).

VEs and helpers for the Jan 7 exam:
 Ed Blaszczyk N7EB Ed Beyer WU7A
 Jack DeWitt AB7AX Jack Dow KE7ZQ
 Bob Johnson KE7LZ Art LaFleur KI7ZR
 Archer Law W3KMD Bob Menefee AA7QJ
 Yoshi Sano KE7NC Ray Sumner NW7R
 Harv Tetmeyer K5LJM Hal VanDyke KD2PH
 Glenn Wade N7JWF Roy Woodruff W2HTX
 Merrill Buttermann KF8DZ

The ARRL/VEC is now forwarding all Form 610 Application Data to the FCC via E-mail and will retain Form 610s at ARRL/VEC. This electronic filing is expected to reduce FCC processing time to 2 - 3 days. Applicants may call FCC at 800-322-1117 two to three weeks after testing and begin using their new call sign immediately.

ARCA SPRINGFEST '95 - MARCH 11

SCOTTSDALE COMMUNITY COLLEGE

(East of Pima Rd on Chaparral)
 SEMINARS, LECTURES, MEETINGS, T-HUNT
 PARKING: \$2 TAILGATING: \$5
 Talk-in 146.76-
 Information: Len KB7LPW 861-0303
 Mark N7KKQ 843-0960

CLUB NOTES

CHUCK HILLIKER W7KIV has been chosen to fill the vacancy of club Vice Pres.

The Board is looking for volunteers to serve on the SILENT KEY Committee. This team helps widows to dispose of radio gear of deceased hams. Sun City is served by CHUCK BAILEY W7YU; we need members to help in other areas, especially Sun City West. Call Pres George Watling 933-0854.

BRUCE STUART, Public Service Coordinator, is seeking Team Captains for West Sun City West, East Sun City West and North Sun City, where co-captains have resigned for health reasons, and Phoenix, where the club has not had a Captain since Oliver Grieve moved to Cottonwood. Captains sign up volunteers for road races, parades, hospital emergencies and other services. Call him at 412-0694.

Our weekly THURSDAY Lunch (11 AM) and 2nd-SATURDAY Breakfast (8 AM) at Denny's Restaurant (Bell Rd in Surprise) are well attended. Drop in for good company and a leisurely meal. Spouses most welcome.

The Board needs to make a decision on LADIES NIGHT OUT. Some years ago the club started the practice of having a banquet once a year to say Thank you to spouses for their tolerance toward our hobby. For several years it was at the Suntowner (now JB's) on Grand. Attendance kept dropping, and it was upgraded to the Lakes Club with initial success. In a few years attendance had dropped again, with a number of complaints about cost.

The past three years we have had a Barbecue for \$10/person at Beardsley Rec Center, which was enjoyed by most attendees. Nevertheless, only 60 people were at the last BBQ. At the March meeting our President will ask the opinions of the members: where and if we should continue the event. Consult your spouse and let us know.

COUNTRIES w/US RECIPROCAL OPERATING AGREEMENTS

[from INFO Library, Nov 1994 complied by K6PTB]
 From Rich Piggott WB2LKU de Monty N7CIX

3A-MONACO	3D2-FIJI	4Z-ISRAEL
5B-CYPRUS	6Y-JAMAICA	8P-BARBADOS
8R-GUYANA	9K-KUWAIT	9L-SIERRA LEONE
9Y-TRINIDAD & TOB.	A2-BOTSWANA	C6-BAHAMAS
CE-CHILE	CP-BOLIVIA	CT-PORTUGAL
CX-URUGUAY	DL-GERMANY	DU-PHILIPPINES
EA-SPAIN	EI-IRELAND	EL-LIBERIA
F-FRANCE & TERR.	G-UK	H4-SOLOMON ISLS
HB-SWITZERLAND	HC-ECUADOR	HH-HAITI
HI-DOMINICAN REP	HK-COLOMBIA	HP-PANAMA
HR-HONDURAS	I-ITALY	J3-GRENADA
J6-ST LUCIA	J7-DOMINICA	JA-JAPAN
JY-JORDAN	LA-NORWAY	LU-ARGENTINA
LX-LUXEMBOURG	OA-PERU	OE-AUSTRIA
OH-FINLAND	ON-BELGIUM	OZ-DENMARK
PA-NETHERLANDS	PJ-NETH. ANTILLES	PY-BRAZIL
PZ-SURINAM	SM-SWEDEN	SV-GREECE
T2-TUVALU	T3-KIRIBATI	TF-ICELAND
TG-GUATAMALA	TI-COSTA RICA	V2-ANTIGUA & BARBUDA
V3-BELIZE	VE-CANADA	
VK-AUSTRALIA	VS6-HONG KONG	VU-INDIA
YB-INDONESIA	YN-NICARAGUA	YS-EL SALVADOR
YU-YUGOSLAVIA	YV-VENEZUELA	ZL-NEW ZEALAND
ZP-PARAGUAY	ZS-SOUTH AFRICA	

COUNTRIES w/US THIRD-PARTY TRAFFIC AGREEMENTS

(Same source as above)

3DA-SWAZILAND	4U1-GENEVA/ITU	4U1-VIENNA/VIC
4X-ISRAEL	6Y-JAMAICA	8R-GUYANA
9G-GHANA	9L-SIERRA LEONE	9Y-TRINIDAD
C5-GAMBIA	CE-CHILE	CO-CUBA
CP-BOLIVIA	CX-URUGUAY	D6-COMOROS
DU-PHILIPPINES	EL-LIBERIA	GB-UK (3)
HC-ECUADOR	HH-HAITI	HI-DOMINICAN REP
HK-COLOMBIA	HL9-KOREA (1)	HP-PANAMA
HR-HONDURAS	J3-GRENADA	J6-ST LUCIA
J7-DOMINICA	J8-ST VINCENT	JY-JORDAN
LU-ARGENTINA	OA-PERU	PY-BRAZIL
TG-GUATAMALA	TI-COSTA RICA	V2-ANTIGUA
V3-BELIZE	V4-ST KITTS	V7-MARSHALLS (2)
VE-CANADA	VK-AUSTRALIA	XE-MEXICO
YN-NICARAGUA	YS-EL SALVADOR	YV-VENEZUELA
	ZP-PARAGUAY	

- 1) Temporarily; around Xmas time in past years.
- 2) The Marshall Islands are independent, but the FCC honors the previous agreement until a formal agreement can be made.
- 3) Limited to special-event stations with call sign prefix GB (GB3 excluded), and to stations on Pitcairn Island (VR6).

[Note: No amateur station may transmit messages on behalf of a third party to any station within the jurisdiction of any foreign government whose administration has not made arrangements with the US to allow amateur stations to be used for such transmissions. See Rules and Regulations Part 97, section 97.115 (FCC)]

CQ DX de FRANK SMITH AH0W/OH2LVG

Phoenix's own world-class DXpeditioner Dr Vince Thompson K5VT gave the deserving a badly needed new-one as a nice start for the new year. Vince and two others made the difficult and cold trip to So Georgia Island and activated it as VP8SGP. Almost every active station in our area made it through the pileups including 160 and 80 meters. It was nice to work Vince and have him respond with your call sign AND your name. As of this writing he is returning by ship via the Falklands to a warmer Arizona. QSL via W4FRU.

This is a good time to work Africa, especially on the low bands. We are having clear, clean openings late evenings our time, especially on 80m. Currently Kenya 5Z4FO has been workable from about 2200Z into the night. Also Joe G3MRC has been active as 9Q5MRC from Zaire as has been Brian 9J2BO from Zambia. In addition, Juan EA9IE from Ceuta and Melilla is active almost every evening with 59+20dB signals on 75 phone. Look also for Mohamed SU2MT long path on 40, and if luck has it, on 75 meters. Bill Z21CS in Zimbabwe is workable daytime on 17 meters.

Timo OH1NOA is now in Lebanon as OH1NOA/OD1 and will be there until August. Also look for Ali ZP5ALI from Lebanon as /OD5. Also Sigi DL7UO will be QRV from Namibia V5 next month.

Ed K8VIR has announced plans for a Pacific DXpedition that will take him to many DXOC sites over the next six months including Tonga, Western Samoa, New Caledonia and probably others. Others have announced plans for Saipan, Eastern Malaysia, Fiji, Vanuatu and others. Sadly, G4MFW's long-awaited trip to Kermadec Island ZL8 was cancelled for lack of landing permission. Not good!

The Philippines has issued a new prefix, 4E7; don't be surprised when you hear it. Then turn your beam 180 degrees and work Eddie V10ANT at Antarctica, in addition to a station on Deception Island (South Shetlands) VP8OQJ, who is active almost every evening on the low bands.

Finally, Dave Heil, former 9L1US is winding up his tour of duty with the State Dept in Botswana and as A22MN. He will soon be assigned to Finland. Dave has intensified his activity on the HF bands to give everyone a chance to work Botswana before he leaves. He has asked the Big Guns to refrain from working him if they don't need it, in order to give the "little pistols" a shot before he leaves. There are no other significant stations in Botswana, so if you hear Dave, work him now.

Coming soon: ARRL DX Contests. More on these in next Short Skip. CU in the pileups. GD DX & GL!

CODE PRACTICE EXERCISES are being transmitted on the KE7DH repeater (147.30 MHz) on Wednesday nights. Fast code, in increments from 35 wpm to 13 wpm, starts at 6 PM and runs 30 to 40 minutes. The regular Ham Radio News net begins at 6:45, followed by slow speed practice at around 7:30, at 5 wpm, then slow speed text in increments from 3 to 13 wpm. The text material is from DX Magazine (with permission of editor/publisher Chod Harris VP2ML/ WB2CHO) and is prepared by Frank Smith AHOW.

The 5 wpm session presents the code characters in the same sequence presented in ARRL's Your Introduction to Morse Code, which is useful for those just beginning. All letters, numbers and required prosigns are covered in 6 sessions and recycled. The characters are presented thus:

- Session 1, Letters A E R N Prosign AR T I
- Session 2, Letters O S D H C U
- Session 3, Letters Y . L M P G F ,
- Session 4, Letters W B Prosign BT J /
- Session 5, Letters K Q S X V Z ? Prosign SK
- Session 6, All numbers.

The following article explains the mechanics of how Paul Playford generated these sessions.

COMPUTER TO RADIO INTERFACE FOR CODE PRACTICE
by Paul Playford W8AEF

See the schematic for the physical wiring. I included Yaesu and Icom wiring for the microphone connector.

The transformer will eliminate any ground loops that may be present between computer and radio and will kinda match impedances also. I say "kinda" because I'm not sure what the computer speaker impedance is, and besides it is probably different in your computer anyway. Most microphone inputs for solid state radios are in the vicinity of 600 ohms so the TRIAD T-31X transformer should make a fairly good match. The ground loop isolation is more important than efficiency, so I suppose that any transformer would work, even a 'pole pig' if necessary.

Many programs are available to generate Morse Code on the computer speaker; however, I prefer SuperMorse, as speed changes are programmable within the text file that you are sending.

After the connections are made between the computer and radio, feed your radio into a dummy load, fire up your program and adjust the 600 ohm potentiometer for correct audio level. On FM this can be determined by monitoring your output on another receiver and adjusting your pot for a slight decrease in monitoring audio level. Assuming that the deviation pot in your transmitter was previously adjusted for +/- 5 KHz (as it should have been) this will result in a deviation of approximately +/-3KHz. By using this procedure you can plug the microphone back in and use your radio for normal communications.

A sample text file might look like this:

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.M Session 1, Letters A E R N Prosign AR T I
.S 13 18 13
QST DE W8AEF
.S 05 15 05
= A AAA
E EEE
R RRR
A E R AREA AREA AREA ERA ERA ERA REAR REAR REAR
N NNN
ANNE ANNE ANNE ARENA ARENA ARENA RAN RAN RAN
.M Prosign <AR> follows
+ +++
T TTT
RANT RANT RANT + TEAR TEAR TEAR + NET NET NET
I III
TIN TIN TIN ANT + ANT + ANT + RAIN RAIN RAIN +
INTERN INTERN AREA RAN REAR + ARENA TEAR TIN +
NET RANT ERA RAIN + NET ANT TEAR TIN AREA RAN +
.S 13 18 13
DE W8AEF
.S 05 15 05
= INTERN ERA ANTENNA + TERRAIN NET RETAIN REAR
+ ANTEATER REAR ENTERTAIN + RAIN ANNE INITIATE
+ TINT NET ARRANT ENTIRE + RAN TREAT RETIRE +
ANNE ERA NET TIRE ARENA + TEAR RANT TIN RAIN +
.S 13 18 13
DE W8AEF $
```

These files can be saved on disk using your word processor in non-document mode. The files contain the speed changes and required identification for use with SuperMorse. Please remember to substitute your call for mine..de Paul W8AEF

