



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 Sumner NW7R (972-8733).

CALENDAR OF DECEMBER EVENTS (Mark YOUR calendar, please.)

- DEC 4 LICENSE EXAM, DeVRY INST, 8:30 AM
4 SUPERSTITION ARC WINTERFEST
Mesa Community College 7:00 AM+
4 YAESU DAY/Ham Radio Outlet 10:00 AM+
6 WVARC GEN MTG/refreshments 7:15 PM
11 BREAKFAST, COUNTRY KITCHEN 8:00 AM
13 WVARC EXEC BD at WODNO QTH 6:00 PM
18 LICENSE EXAM, TEMPE LIBRARY 9:00 AM
EVERY THURS, LUNCH, COUNTRY KITCHEN 11:00 AM
EVERY WED, HAM RADIO NEWS NET 147.30 6:45 PM
DAILY CALL-IN NET (esp. Shut-ins, ") 9:00 AM

ARRL SW DIV DIRECTOR FRIED HEYN AT DEC MEETING

West Valley ARC will meet on MONDAY, DEC 6 at St Clement Social Hall, 15800 N Del Webb Blvd, Sun City. Doors open 6:45 PM; a brief business meeting will start at 7:15, to elect the new officers for 1994. The DECEMBER meeting is our traditional HOLIDAY SEASON get-together, with coffee, soft drinks and comestibles (cookies, etc) served informally. Bring your spouse, and get acquainted with your colleagues.

Fried Heyn WA6WZO, Southwest Division Director for ARRL, and XYL Sandi WA6WZN, will be with us. Fried will show a dramatic 20-minute video entitled LAST VOICE FROM KUWAIT. He will also give us a brief update on the proposals awaiting FCC action and other ARRL activities.

Members will vote on the following slate:

- President: Ralph Barr WODNO (Phoenix) *
V President: Steve Pabin N7ZZS (Glendale)
Secretary: George Watling N7JSA (Sun City)*
Treasurer: Walt Schwiebert K7HGZ (Sun City)*
Directors: Bill Pauley KB7RRE (Phoenix)
Clarence Reid K0BHJ (Sun City)*
John Kornbeck WA9HBT (Peoria)
Merrill Butterman KF8DZ (Phoenix) *
(The most recent Past President, Frank Smith AA7FM, also serves on the board.)

* = Member of current board.

MEMBERSHIP RENEWAL TIME

With this newsletter, members (and prospective members) will receive an APPLICATION AND RENEWAL FORM. Please fill it out in detail. In updating its file, the club would like to know your HF, VHF and UHF activities, if you are willing to serve on the Public Service and Emergency Call-up list and if you could help with any of our other committees.

Also tell us if you are currently an ARRL member --- as a League affiliate we need to report the percentage of ARRL members in the club --- and tell us what programs would be of special interest to you or if the club could help you improve your enjoyment of ham radio in any way (write in any available space).

Please mail the form with your dues to the club PO Box or bring to our December or January meeting. Dues are still \$10/yr and include all family hams at the same mailing address. Members who have already paid, please fill out the new form and return it.

FRANK SMITH AA7FM NAMED WVARC HAM-OF-THE-YEAR

At the Ladies Night Out barbecue in October, the plaque for club HAM-OF-THE-YEAR was presented to Frank Smith AA7FM of Glendale for his tireless efforts on behalf of the Maricopa County hams whose tower installations and prospective installations have been the targets of the non-ham community. Meeting with County Planning and Zoning staff, Frank and a few other valley hams have gained a favorable response to our needs, which may result in more relaxed standards for towers.

Frank was also an active participant in PROJECT GOODWILL ALBANIA which brought Geni Mema ZA1B to the Phoenix area for much-needed medical treatment. He was also responsible for obtaining many of the excellent programs presented at our club meetings. Frank is editor of Short Skip's popular DX column, which he somehow manages to turn out each month in spite of his many activities.

With a beautiful Arizona sunset as a backdrop, West Valley ARC members and spouses enjoyed their annual LADIES NIGHT OUT activities on Friday October 22nd. The food was excellent, the mood was light, and a good time was had by all. After the sun had set, the Wally Storm trio provided a nostalgic trip to the past with fine renditions of old songs. Where were you when you first heard "Don't Sit Under the Apple Tree" and "Sentimental Journey"?

Paul Kummel N7MYS and XYL Skip won the door prize, a \$25 certificate to the restaurant of their choice.

The Ham-of-the-Year award was presented to Frank Smith AA7FM by Bert Davidson W2GOB, last year's HOTY. (See separate article for additional details.)

Appreciation was also extended to:
 Shirley Barr KB4HSP for her work in the production of the club REFERENCE BOOKLET and Ladies Night arrangements,
 George Hands KE7DH for writing said BOOKLET, and for his RFI work,
 Stan Edgerton K8RAL for work on Repeater Maintenance,
 Tom Watts NY7S for Repeater Maintenance and RFI work,
 Bill Johnson W9WFV for Public Service and RFI work,
 Bert Davidson W2GOB for his work with public school Amateur Radio classes,
 Chuck Bailey W7YU for Vacation Net coordination and for providing Newline and other QSTs to the Wednesday Night net,
 Zeb Zebolsky KM7L for his efforts in obtaining our meeting place and his ongoing function in ordering emergency signs and club badges,
 Ray Sumner NW7R for conducting the Daily Call-In Net for shut-ins and for publishing the monthly newsletter, and to
 Jack Dow KE7ZQ as a representative of the many Volunteer Examiners who help with the monthly license exams; in accepting for the group Jack pointed out that Ed Blaszczyk N7EB does most of the paperwork following the test sessions; in Ed's absence, Jack has done it.

Other members have also helped with club activities in many ways, and it is hoped that next year's list will provide a number of new faces.

Beardsley Rec Center has been reserved for the third Friday in October 1994 for another Ladies Night Out, but the Board would like a response from club members on where to hold the event. Attendance was lower than expected this year.

For those complaining that the HF bands are dead, I'd recommend doing anything to get on the low bands! Eighty meters has been a real treat, offering up Africa and the Caribbean during our evenings and Asia/Pacifica and Europe long-path during our mornings. A few good things to look for include Ron ZL1AMO, who is on a multi-country DXpedition, currently C21/ZL1AMO Nauru. Gary C53HG from the Gambia can be worked on 75m, typically 3795 anywhere from 0500-0700 UTC. Seppo OH1VR has announced plans to activate Market Reef OJ0 on 80m, a rare one indeed for this band.

For those on satellite and RTTY look for C91AJ on AO-13 and TY1PS (Benin) on RTTY. Either one is nice on any mode.

It is reported that SM1TDE/4U is active from South Lebanon. Also a large group of JAs is activating the Solomon Islands (H44). It ought to be easy to work.

Bob Winn W5KNE, who edits QRZ DX?, is going to Christmas Island as VK9X, again an easy one from here. Other good DX to look for include Botswana A22MN, Chatham Island ZL7FD, Fernando de Noronha PY0F, Ghana 9G1JI, Jordan JY8VJ, Sri Lanka 4S7 by OH2VZ, Sudan ST2 by G4OJW, Vietnam XV7TH and many more.

Baldur DJ6SI returned recently from Nepal, where he reports having had to pay 300% duty on ham gear, red-tape delays in obtaining a license that had been promised him before his trip and having had to copy his log to the files of the government. (He got away with copies only!) Yet some UAs led by UT4UZ are planning to activate Nepal (N9) soon. I'd suggest the upper band for this one.

The long promised Pratus Island operation now says November, but betting is that it will be another month at least. Also in the near future is the badly needed Peter I Island operation, signing 3Y0PI (per XE1L) in early 1994. It is reported that financial difficulties may force cancellation of this one.

Of local interest: a yet-to-be-named new DX association has been founded in the Valley, apparently by some of the most serious and experienced DXers. The group is setting very high standards for itself, requiring a minimum of 250 DXCC worked and confirmed and an invitation to membership. All of the charter members are, in fact, very visible high on the DXCC honor roll. More on this later.

Good DXing to all and CU in the pile-ups!

Our Club members have been involved in two Community Service events recently. On Saturday, Oct 23, we participated in the Del Webb Hospital Race for Health. We experienced no accidents among the racers, so as always we feel we are successful when that occurs. We even had an 80 year old woman complete the race.

Wednesday, Nov 3, some 39 members traveled about 100 miles (round trip) to the Palo Verde Nuclear Generating Plant for the annual Siren Test. All sirens functioned as intended.

A sincere THANK YOU is in order for all of our members who participated in these events. Remember that these events are an opportunity for us to be seen by the public in a positive manner.

Stations monitoring the Del Webb Hospital Race to Health:

Ed Balaker WK7L	Joe Nowakowski W7FPG
Bob Breshears W6CAU	Walt Schwiebert K7HGZ
Ed Carlstrom N7SPX	Marty Shapiro KA7GKN
Tony Cipolla W2QL	Elliot Silverman K1FOC
Bert Davidson W2GOB	Art Simek WAORFJ
Reuben Deerhake WA2OQU	Leo Staley NS9Y
* Jack Dow KE7ZQ	Fred Swain N6LWX
Al Folden W7KAP	Dean Timmerman KD9NQ
* Bill Johnson W9WV	Hal Van Dyke KD2PH
John Kornbeck WA9HBT	Charles Waldron K0VEB
Bill Kosanovich WA8KFC	Fred Warrick KE7AK
Paul Kummel N7MYS	George Watling N7JSA
Vern Lampert N7PTG	Ray Welley N7RW
Sam Macdonald N7MUJ	Russ Whempner K6CLK
(*) NET CONTROL	Monte Nelson NX1Z

Siren Test participants:

Chuck Bailey W7YU	John Kornbeck WA9HBT
Jim Burdeaux K8LHK	Paul Kummel N7MYS
Ed Carlstrom N7SPX	Sam Macdonald N7MUJ
Phyllis Cipolla N2AGY	Jerry Overeynder W6IWR
Tony Cipolla W2QL	Clarence Reid K0BHJ
Bert Davidson W2GOB	Walt Schwiebert K7HGZ
Reuben Deerhake WA2OQU	Bill Silvis N7ERQ
Jack Dow KE7ZQ	Art Simek WAORFJ
Charlie Frankel N7NSY	Rudy Strothmann WA9RK1
Norm Fulmer N7JAG	Bruce Stuart KB7ZFF
Frank Green W7MAJ	Fred Swain N6LWX
Paul Holzer N7FVV	Mit Thompson K9CCX
Tom Ivy KA7ESP	Van Van de Rijn KG7ES
* Dick Jackson K7VCI	Hal Van Dyke KD2PH
Bill Johnson W9WV	Ray Van Skiver W7LQM
Eva Karnatz KC7RY	George Watling N7JSA
Gene Klein N7OBM	John Wicke KB7VCK
Bernie Kligfeld N7JIC	Hal Zabel N7KXZ
Lou Einstein N7ROB	Chuck Waldron K0VEB
(*) NET CONTROL	Russ Whempner K6CLK

On Wednesday Nov 10th the WVARC provided radio communications in support of a Boswell Memorial Hospital emergency drill in Sun City that included several ambulance companies, Lakeview Recreation Center and the Sun City Sheriff's Posse. A call for amateur radio assistance was transmitted from the hospital on the club 147.30 MHz repeater at 4 PM. An emergency CQ (general call) was then sent out on 147.30 and 449.80 MHz by Special Event Coordinator Paul Kummel N7MYS requesting all amateurs who had volunteered for this drill to drive to the hospital and check in on 441.00 MHz simplex to receive assignments.

The club provided a total of 21 operators with handheld two-way radio equipment. Operators using 441.00 were strategically located within the hospital, at each outside entrance and in an equipment van and at Lakeview Rec Center nearby. This radio network provided hospital personnel with two-way communication between each of these locations.

Traffic from the simplex frequency was relayed to a base station operator in Sun City West, using the 449.80 repeater. This base station was provided in order to make and receive telephone calls for the hospital and to relay traffic on the 147.30 repeater to the Del Webb Hospital in Sun City West, where critical care patients were taken.

A first for the club was the use of amateur television (ATV) during this drill. Amateur radio frequencies and equipment were used to transmit a video signal from two portable cameras at the Rec Center to a monitor in the lobby of the Boswell Hospital. This equipment provided personnel at the hospital with visual information on the progress of the evacuation at the Center. ATV operators were a part of the 441.00 simplex net.

The emergency amateur radio communication was coordinated and planned by WVARC Special Events Coordinator Paul Kummel and by the club ARRL Emergency Coordinator Bill Johnson. Others participating:

Craig Cantrill N7JXR	Leo Staley NS9Y
Ed Carlstrom N7SPX	Gordon Stanger KB7GSQ
Bert Davidson W2GOB	Stan Swartz K7PLO
Reuben Deerhake WA2OQU	Rudy Strothmann WA9RK1
Jack Dow KE7ZQ	Mit Thompson K9CCX
Charlie Frankel N7NSY	Hal Van Dyke KD2PH
Ken Morrison W6SQ	Ray Van Skiver W7LQM
Joe Nowakowski W7FPG	George Watling N7JSA
Clarence Reid K0BHJ	Tom Watts NY7S
Walt Schwiebert K7HGZ	

FOR SALE

[FOR SALES and WANTS of gear related to ham radio are published at no charge for members and non-members as space permits.]

DIGITAL SYSTEM for RTTY and AMTOR. AEA CP-1 Computer patch, power supply, Commodore "64" computer, color monitor, cables, accessories, books, manuals. All for \$300.

George AA7LA 977-9855

HUSTLER 4BTV TRAP VERTICAL, with RM-75S Extension for 75m. Antenna is dismantled and ready to move. With Instruction Book. \$75.

Ray W7AFG 972-1376

ICOM 24AT DUAL BAND XCVR w/charger, BP82 and BP85 battery, manuals.

Jim KB7GTV 974-9025

DENTRON CLIPPERTON L KW (plus 4 572Bs), excellent condx; \$400.

Wally AE7Y 933-7011

KNWD TS-430 9-band, w/mike, power supply; \$500. Bob KB0KR 975-1445

HENRY 2K-4 LINEAR, 10-80m, w/manuals; \$895. Two KNWD 120-S XCVRS w/PS-30 power supplies, MC-35 mikes, and manuals; \$450.

KNWD TM-201B 2m (45 watts), manuals; \$175. Misc items: Mobile mount for TS-120s, 400W inverter, HAM rotor/controls/100' cable, 2m Isapole, Drake MN-4 match box, SWR meters, 40/80m trap dipole, coax, mikes, much more.

Gary W1OF 566-2272

KENWOOD TS-940 HF XCVR, complete with filters and AT. Frank AA7FM 876-2718 (W)

KD95V ROTATABLE TRAP DIPOLE for 12 + 17m; \$70.

HY-GAIN TELEX EXPLORER 14 TRIBANDER (20-15-10m), like new; \$225. (40 or 30m add-on also available.) Jerry W6IWR 584-5716

YAESU FT 101EE XCVR, all mode, ham bands only, w/SP 101PB/277PB comb. phone patch/speaker. Operates 110/220 AC or 12V DC. \$350.

Miles 853-9434 (H), 393-6644 (W)

SWL RECEIVER PANASONIC RF-4900, AM-FM, Digital readout; best offer.

REMOTE CONTROL UNIT, 5 outlets, Tel and Modem Jacks. RFI and Transient filtering. Fiber optics remote unit. \$40.

Dan W6NTX 546-2131

WANTED

OLD STRAIGHT KEYS AND BUGS.

Frank AA7FM 876-2718

LICENSE TESTS AT DeVRY ON SATURDAY DECEMBER 4

Next VEC tests at DeVry are scheduled for SATURDAY, DECEMBER 4. Registration is 8:30 AM with no tests to start after 11 AM. Bring photo ID, original and copy of appropriate license and CSCE, check for \$5.60 (to ARRL/VEC), and FCC Form 610, if you have one. (Effective January 1, 1994, the charge will be \$5.75; all tests taken at any one examination session are included in that charge.)

CANDIDATES and VOLUNTEER EXAMINERS PLEASE NOTE that there will be NO TEST at DeVry in JANUARY. There will be no license exams administered at the Superstition Winterfest in Mesa on Dec 4.

Forty-one applicants were tested on NOV 6. The following VEs took part:

Ed Beyer WU7A	Phil Lawrence W7FWM
* Ed Blaszczyk N7EB	Monte Nelson NX1Z
Merrill Butterman KF8DZ	Jack O'Keefe WJ7N
Marcus Clay KB7TKC	Leo Staley NS9Y
Rick Dill WA0EDH	Ray Sumner NW7R
Jack Dow KE7ZQ	Glenn Wade N7JWF
Bob Johnson KE7LZ	Roy Woodruff W2HTX
Eva Karnatz KC7RY	Dwight Yard KB7KON
(*) VE LEADER	

ANOTHER NO-CODE TECH CLASS IN FEBRUARY

The autumn class for NO-CODE TECH license sponsored by the WVARC is over. George Thompson AA7LA taught the Element 3A Friday session and George Hands KE7DH and Ray Sumner NW7R shared the Element 2 Tuesday night assignment. Three students have already qualified for the No-Code Tech license. The nine remaining students are expected to pass the exam on Dec 4.

Another class will start early in February. If you or a friend is interested in these or in upgrade classes (General, Advanced, Extra), please call Ray NW7R 972-8733. We need 6 to 8 candidates to start a class. We also need volunteer instructors.

From W5YI Report 11/15/93.....A streamlined FCC Form 610 will debut early next year. The new form has been designed to integrate with the new computer system coming on line at Gettysburg next year -- and an "over-the-phone lines" electronic filing system to be initiated by the VECs to an FCC "bulletin board." The Physician's Certificate of Disability will take up the entire back of the form and contain detailed information to the physician on which to base a decision on whether the applicant is indeed severely handicapped and unable to pass an accommodated 13 or 20 wpm telegraph examination.

CASE SUMMARY OF RFI RADIO RESOLUTION COMMITTEE

de BILL JOHNSON W9WV

The following information summarizes details of a total of 64 RFI cases, 8/9/90 to 9/5/93.

When WVARC started investigating RFI, coordinator W9WV would receive a formal complaint from FCC asking us to investigate a case. In the past two years the FCC seems to prefer asking the complainant to call our committee. Also the same change in procedure is being followed by the Home Owners Assn in Sun City and PORA in Sun City West. Therefore, the following summary showing the complainant as the initial contact may be somewhat misleading:

Who contacts the Radio Resolution Committee

The amateur	8
The complainant	49
The FCC	<u>7</u>
Total	64

The type of problem reported to the RRC coordinator during first contact with complainant:

TYPES OF REPORTED INTERFERENCE PROBLEMS

Broadcast TV	27
Cable TV	4
Telephone	45
FM	4

(Single complaint: AM, Doorbell, Intercom, Boom box, Security system)

Total Problems	<u>85</u>
----------------	-----------

Problems uncovered by the RRC committee that required addition of filters to eliminate or significantly reduce level of interference:

PROBLEMS REQUIRING FILTERS

PROBLEM	STATION POWER LEVEL	
	UNDER 200W	OVER 200W
Broadcast TV	0	6
Cable TV	0	0
Telephone	4	24
Other	<u>0</u>	<u>1</u>
TOTALS	4	31

Problems uncovered IN THE COMPLAINANT'S HOME that were causing the interference problems:

COMPLAINANT-RELATED PROBLEMS

- Defective TV/FM antenna system.
- Loose and defective coax connectors.
- Defective A/B, cable/antenna, TV/video game switches.
- Improper use of coax splitters & transformers
- Improper video game connection.
- Scanner antenna connected to TV antenna.
- Rabbit ear antenna connected to cable TV coax
- No cable TV ground.
- Defective cable TV drop.
- Defective telephone.

- Defective telephone drop.
- Defective TV receiver.
- Loose VCR covers.
- Defective fan speed control.
- Defective GFI circuit breaker.
- Home security system problem.

Each and every complainant receives a form letter identifying the WVARC RRC and a test approval request form asking for written approval to make an inspection and tests in their home. These tests are needed to determine the type of problem and what is needed to reduce the interference. Sometimes the complainant refuses to allow the RRC to investigate or make these tests for a number of reasons. If the request is not approved by the complainant within ten days the complainant is sent another form letter with a copy to the FCC and the amateur notifying the complainant that the case is closed. A summary of complainants refusing inspection is as follows:

COMPLAINANTS REFUSING INSPECTION AND TEST

Broadcast TV	6
Cable TV	0
Telephone	8
Other	<u>1</u>
TOTAL	15

When a complaint is received, the first inspection by the RRC is at the amateur's station. The type of equipment, power levels, SWR, low pass filters, condition of coax connectors and ground system are observed and recorded. Sometimes the RRC recommends that something could be improved at the amateur station before tests are made. No attempt is made to make before and after tests at the complainant's location to see if any interference level improvements are made. Number of visits to complainants' homes are kept as low as possible. A summary of improvement requests is detailed below:

STATION IMPROVEMENT APPROVAL REQUESTS

No change in station	22
Improvements recommended	<u>9</u>
TOTAL STATIONS IN 64 CASES	31

The 9 stations where improvements were recommended recorded a total of 10 types of changes:

SUGGESTED STATION IMPROVEMENTS RECORDED

Improve ground system	4
Improve PL259 connector installation	2
Improve ALC control	1
Install balun	1
Relocate antenna	1
Remove loose wires on tower	1
Remove temporary vertical antenna	1

For the last 9 years I have witnessed the spread and tightening of amateur antenna restrictions in the new home development areas of the Phoenix valley. These trends are a threat to the growth of amateur radio, and I believe that the public will continue to push for more antenna restrictions.

The restrictions are written in the form of restrictive covenants in private contractual agreements which are signed by the home owner at the time of purchase. These documents are called "Covenants Conditions and Restrictions (CC&R)", sometimes called "Deed Restrictions". The Federal preemption of overly restrictive ordinances (FOC PRB-1) does not apply to these contract restrictions. Also, CC&R contracts override any local, city or state ordinances.

If you choose to live in one of these areas the current option is to use an attic mounted antenna such as a compact magnetic loop design. Both the AEA and MFJ companies sell amateur loop antennas with a frequency range of 10-30 MHz at 150W maximum. Commercial loops are available for lower frequencies and higher power. The November 1993 issue of QST magazine has an interesting article on loop antennas.

Many of these contracts can be changed by a simple majority vote of the property owners covered by the particular CC&R. Therefore even if the original CC&R permits the installation of antennas, there is no guarantee that in the future it will be permissible on that property.

A CC&R change to eliminate antennas was recently approved in a unit consisting of only 97 homes in Sun City West. The unit previously allowed antennas on property that was not on golf course lots. Other owners in Sun City West have requested information on how to change their CC&R to ban antennas.

Many of the current CC&Rs do not provide procedures or information covering retroactive changes, grandfathering or the resale of a home which already has an antenna. If the majority of owners in any unit petition for a change to a CC&R in one of these areas, the decision might end up in court.

6
I recently visited 6 new home developments in the Phoenix valley with a friend who was looking for a new retirement home. None of the six allows amateur antennas. The real estate salesmen are very negative about amateur tower antennas. Their comment is, "No one will buy a home next to a lot with an antenna tower." In my opinion, part of the problem is that antennas in these areas are much more noticeable to neighbors because unlike more developed areas no tall trees have yet grown to hide visibility of antennas.

Another observation concerning antenna restrictions comes from my activity as RFI coordinator for our club. Some of the complainants seem to be as interested in having the tower removed as they are about eliminating interference. Many neighbors have a great dislike for antenna towers and are willing to take every step possible to eliminate them.

It is interesting to read the language written into CC&Rs by the developers' attorneys to make sure no antennas can be erected. Here is one example: "No antenna satellite dish or other device for transmission or reception of television or radio (including ham radio) signals or any other form of electromagnetic radiation which is visible from neighboring property shall be erected, used or maintained outdoors on any lot or parcel, whether attached to a building or structure or otherwise placed on a lot. 'Visible from neighboring property' shall mean, with respect to any given object, that such object is or would be visible to a person six feet tall, standing at ground level on any part of such neighboring property."

The club must continue to put all effort possible into public service type activity visible to your neighbors to counter the hate that many home owners seem to have for amateur antennas. Also, support joint resolution S.J. Res. 90 and H.J. Res. 199 by writing your congressmen. Item 3 of these proposals reads:

"Reasonable accommodation should be made for the effective operation of amateur radio from residences, private vehicles and public areas and that regulation at all levels of government facilitate and encourage amateur radio operation as a public benefit."