



YAVAPAI SIGNAL



The Yavapai Amateur Radio Club • Prescott, Arizona • DM-34 • Volume 27 - No.7 • July 2012



Hello once again!

Temperatures are certainly rising outdoors as we find ourselves smack dab in the middle of summer operations. The monsoons will be here soon so be sure your station is grounded properly.

By the time this goes out, we'll likely have had our Field Day get together I'm certainly looking forward to seeing everyone who wishes to operate with us and participate! Hope you had an opportunity to join us for some food, fun, and radio!

I'd like to say a huge thank you to everyone who pulled the event together. There've been a number of people who have devoted their time and energy at a time when everyone is busy. It certainly wasn't a conventional Field Day but we did have operators making contacts, and I'm grateful that it was more than just a picnic (although certainly, the food was appreciated too!)

Thanks to Terry (KB7TRE) for the use of his facilities. A heartfelt thanks also to Ellis (KE7NAP) and Bryan (W7BNW) for their efforts.

I'd like to remind everyone that we have a number of positions open within the club. If you'd like to be more involved, please contact any member of the board.

Creighton

AD7YR

July Program

*You got your license —
Now what?*



Pete Morrison, K6VVR, has the answer to the above question as well as having a PowerPoint presentation to inform members.

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Welcome to the Yavapai Amateur Radio Club

The Yavapai Amateur Radio Club (YARC) is an ARRL affiliated Special Service Club. The club participates in many activities in the tri-city area by providing communications for local events, emergency communications, and promotion of the hobby throughout the community.

Membership in the YARC is open to any interested amateur or non-amateur alike. Dues are \$20.00/year (Full-time students \$15). The YARC meets at 7:00 p.m. local time on the first Thursday of every month in the Technology Room 404, at the Granite Mountain Middle School, 1800 Williamson Valley Road in Prescott. It is about ½ mile north of Iron Springs road, and all amateurs and non-amateurs as well are invited. Programs of interest are included as part of the meeting.

The weekly Net is held every Wednesday at 7:00 p.m. local time on 146.880- repeater. All amateurs are invited to participate, and visitors are always welcome.

The Yavapai County ARES/RACES Net is held on Monday nights approximately at 7:00 p.m. local time on the 145.290- repeater on Mingus Mountain. A PL of 127.3 is required.

Club Repeater

The YARC 146.880- repeater is located on the hill above Willow Creek road and requires a PL of 100.0 Hz. Our deepest gratitude to Bill Kafka, W2YAV for allowing us to acquire the original club repeater.

Minutes of May 31, 2012 Board Meeting



excused.

Following dinner at Coco's at Frontier Village, at 5:00, the business meeting was opened by AD7YR. He and KE7NAP explained the challenges resulting from the lack of general membership participation in Field Day. After much discussion, it was decided to distribute sign up sheets at the next General Meeting to determine interest, by a vote, to have Field day or only a picnic.

Silent Key, AE7TV, had a lot of radio equipment and N7NGM is in charge of selling it.

AB7NK is resigning as Volunteer Examiner Coordinator (VEC) as of 31 Dec 2012 and thus that position is open.

K7SEN brought to the Board's attention that new Student Hams are to be given a year's free YARC membership as well as free name badge.

Club positions needing to be filled include: VEC, Board Member, ARCA Representative and the January Luncheon Chairperson.

AD7YR suggested that a committee be formed to obtain nominations for President and Treasurer to be filled in December.

The meeting was adjourned at 7:00 p.m.

Respectfully submitted,

Barbara, KE7KEV
YARC Secretary

Minutes of June 7, 2012 General Meeting

AD7YR opened the meeting at 1900 hours with the Pledge of Allegiance.

He then announced a change in the program for the presentation tonight: Marty Caldwell would share ideas on Emergency Preparedness and Go Kits after the break instead of N7CW sharing his DX trip to Liberia.

Old Business:

AD7YR then stated that due to a lack of member participation, **Field Day** would not be held as scheduled in the city park. An option would be to have Field Day at the school, where we meet as a Club, and operate only on Saturday, 23 June.

The **Board Members** were asked to stand for recognition by newcomers and visitors were introduced as a group. No new members were voted in.

A motion to approve the **Secretary's notes and Minutes** was offered by AD7YR and seconded by AE7HH. WN7E made a motion that his **Treasurer's Report** be approved and it was seconded by WB9VGJ. Both were approved by the membership.

K7SEN reported that the **Elmer program** is progressing well and that more Net Control Operators are needed for the Wednesday night Net.

AD7YR then announced the **50/50 drawing** that would take place after the break.

WN7E announced that he has **patches** and **decals** for sale to promote the Club.

WA6ZZJ, **Public Service**, reported on the state of the fires in this area and more details can be found elsewhere in the *Signal*.

KF7MAU was absent, so **badges** will be available at the next meeting.

AD7YR reported that the **88 repeater** is not functioning well and asked that Hams who use it to please monitor it and report challenges to the Board.

K6UWV was absent; however, gratitude was expressed for his service with the **refreshments**.

KB7TRE then reported that his **student Hams** want to do Field Day and that four of them are now licensed Hams! Congratulations to all of them for their activity and enthusiasm!

KE7KEV reported on the **Food Bank** contributions and asked that donations be increased to help the Food Bank which is lacking in supplies. 45 # plus \$5 cash was donated this month.

New Business:

AE7TV became a **Silent Key** recently and his equipment is being offered for sale by N7NGM. A card of condolence was sent to his family.

VEC (Volunteer Examiner Coordinator) AB7NK, is resigning as of 31 December 2012 and a replacement is needed for that position. AD7YR elaborated on the need for more members to get involved in Club internal affairs.

AD7YR then announced that N7GLH has volunteered to join the **Board** as a replacement for W7BNW, who recently resigned. Thanks, Congratulations and Welcome Aboard! **And**

Thanks to W7BNW for a job well done!

The monthly **Board Meeting** has been changed to **Thursday, the week before the General Meeting**, to enable Board Members to mingle with members prior to the General meeting. We meet at **Coco's in Frontier Village on Hwy 69 at 5:00** for dinner before conducting business. All Club members are invited to attend this dinner meeting.

AD7YR then announced that the following positions are still open for filling: **The ARCA Representative, the VEC and a chairperson for the January Luncheon.**

N7NGM talked about all the **radio and antenna gear of SK AE7TV** which is for sale and listed on a CD which AD7YR will transcribe and give to N7NGM.

KD5VRW announced that he is willing to give an **Extra Class** for anyone interested.

AD7YR asked for opinions regarding **Field Day** options and after much discussion of the pros and cons of the park site and the school, a motion was made by WB9VGJ and seconded by KE7DTR to cancel the reservation with the City for the Park. The membership vote was unanimous in favor of the same. After KB7TRE was able to secure permission to use the school rooms, AD7YR made a motion to have Field Day at the school and it was seconded by KE7DTR, and approved again with a unanimous vote. It will begin on **Saturday at 10 for set up and go until evening**. The day would also include a **Family Picnic**, also in the school. **NO FIELD DAY OPERATIONS WILL BE HELD ON SUNDAY, 24 JUNE.** AD7YR explained that Field Day will be an ex-

cellent opportunity for new Hams to get more radio experience and for those not yet licensed or with limited licenses to make contacts, like HF, otherwise not available. He also said that visitors will be welcomed. KB7TRE asked for help in setting up the rooms/tables/chairs, etc. prior to 11:00 Saturday.

WA9VGJ reminded about the **Fox Hunt** the following Sunday at 1300. Come join the fun!

AD7YR made a motion to take a break at 2000 hours and it was seconded by KE7DTR.

The 50/50 drawing of \$52 was won by W7POF!

Respectfully submitted by

Barbara Ashley ~ KE7KEV

YARC Secretary

Membership Count:

1st Thurs. in	
May.....	169
Gain/Loss.....	-5
1st Thurs. in	
June.....	164



Wednesday Evening Net

Every Wednesday at 7:00 p.m. the club net is held on YARC's 146.880 repeater. All radio amateurs are welcome.



If you are interested in being the Net Control for an evening(s), contact **Neil Vance, K7SEN** at net.manager@w7yrc.org

YAVAPAI AMATEUR RADIO CLUB

June 2012 Treasurer's Summary - Tom Griswold WN7E

Income

Date	Callsign	Name	Code	Check #	Amt. Paid	G. F. Amt.	Rep.Fund	ARRL
06/07/12	KF7PQY	Patty Perkins	R	1035	\$20.00	\$18.00	\$2.00	
06/08/12	K7FRS	Frank Stephenson	R	cash	\$20.00	\$18.00	\$2.00	
06/08/12	AD7UR	Richard Myers	R	cash	\$20.00	\$18.00	\$2.00	
06/08/12	K7CJW	Robert Tilman	R	4506	\$20.00	\$18.00	\$2.00	
06/08/12	KE7KEV	Barbara Ashley	R	cash	\$20.00	\$18.00	\$2.00	
06/08/12	W7JGJ	Philip Seese	R	cash	\$20.00	\$18.00	\$2.00	
06/08/12	W4ZBP	Hank Riviere	R	cash	\$20.00	\$18.00	\$2.00	
06/08/12	KF7RIG	Marjorie Cole - 3 yrs	A	cash	\$111.00	\$2.00		\$109.00
06/08/12	KF7RXU	Robert 'Buzz" Cole	A F	cash	\$24.00			\$24.00
06/08/12		50/50 raffle		cash	\$104.00	\$104.00		
Income Totals					\$379.00	\$232.00	\$14.00	\$133.00

Ex-penses

06/08/12	W7POF	Linda Sitterley - 50/50 winner		cash		\$52.00		
06/08/12		Allegra - newsletter				\$28.22		
Total Expenses						\$80.22		

Beginning Balance	\$6,570.63							
May Income	\$232.00	May end Repeater Fund				\$1,607.90		
		June 2012 Repeater Fund				\$14.00		
Sub Total	\$6,802.63	Interest 30 May 2012						
Ex-penses	\$80.22	Repeater Fund Bal.				\$1,621.90		
General Fund Balance	\$6,722.41	ARRL Payments		Check 1116			\$133.00	

Net Loss/Gain	\$151.78	June Income	\$379.00
		Cash out 50/50	\$52.00
		De-posit	\$327.00

Monthly Fox Hunt

By John Broughton, WB9VGJ

The monthly foxhunt was held June 10th. Jeff, WB7RFY, and I, WB9VGJ, were the foxes. We hid the transmitters along Granite Creek just south of Goodwin St. in downtown Prescott.



There were two teams hunting: Dave, N7GLH, and a new ham and club member Rod, KF7TZX, were one team and Jim, WB7UZV, Diane, KE7ODP, and Roy, AD7FW (along as an observer) made up the second team.

Diane and Jim's team arrived on the scene quickly, approximately 10 minutes after starting the hunt. Diane won the hunt, being the first one to find the primary transmitter. Jeff gave her 1st prize, a cup with old-fashioned candy in it, which she shared with all of us at the get-together afterwards at Denny's. She will be hiding the transmitters for the July hunt.

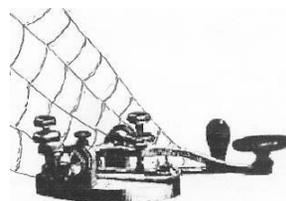
We make it a practice to position ourselves where we can see the transmitters, or at least the primary transmitter if the secondary one is in no position to be spotted accidentally. As we learned on last month's hunt, that is a good practice. We found a picnic table under a mulberry tree next to a building adjacent to the creek that made an excellent position. Jeff parked his truck in a parking lot a block away. We like to park the vehicle away from the transmitters so hunters don't think they have found them when they find the truck. It also sometimes serves to get them to hunt in the wrong location if they spot it first. Hey, it makes the hunt more fun that way.

Once Diane and Jim were in the area, it didn't take them long to find the primary transmitter. The same was true for Dave and Rod. It took a little longer to find the secondary transmitter, which is not unusual, as it is easier to conceal well. All the hunters had a good time and thought the hiding places were not too difficult or too easy.

We all had our usual enjoyable social get-together after the hunt at Denny's.

We would encourage more folks to get involved in the hidden transmitter hunts. They are really fun and help develop direction-finding skills.

Pictures of the hunt are at: <http://tinyurl.com/7rrskkd> ■



*Gene Bockman,
AE7TV ...
Silent Key*

Roy "Gene" Bockman, 64, of Prescott, Ariz., and formerly of Pontiac, IL, died Saturday, May 19, 2012, following a seven-month battle with kidney cancer.

Our sincere condolences to his XYL Barbara and family.

**For
Sale**

**Ameritron ARB-702i
Amplifier to Trans-
ceiver Interface for
Icom.**

Same as new condition. Must be used with amplifiers that have a positive open circuit voltage on the send/receive relay. Works with amps like the Heathkit SB-220, Drakes and Dentrons. Will not work with amps like the Heathkit SB-200 and SB-230.

\$15. Dick – W6CCD

varc@w7yrc.org

YARC Officers for 2012

President

Creighton Grotbeck, AD7YR
president@w7yrc.org

Vice President

Ellis Rackoff, KE7NAP
vice.president@w7yrc.org

Secretary

Barbara Ashley, KE7KEV
secretary@w7yrc.org

Treasurer

Tom Griswold, WN7E
treasurer@w7yrc.org

Board of Directors (includes Club Officers)

Doug Freeman -- KV8TD

Pete Morrison -- K6VVR

Neil Vince -- K7SEN

David Hansen -- N7GLH

Newsletter Editor: Joe Oliver, AC6AA
newsletter@w7yrc.org



By Lloyd, WA6ZZJ

ARES/RACES and PUBLIC SERVICE COMMUNICATIONS.....

GETTING TO KNOW YOUR RADIO.....

Knowing how to access the basic functions on the radios that you use during a public service event or an emergency response is an important skill as an emergency communicator. There may be incidents during public service events where an operator cannot change a parameter such as frequency, tone, power, etc. This will affect net operations since an operator is not able to communicate due to an issue such as the wrong tone being selected. The time to learn how to operate communications gear is not during a response.

Since transceivers vary in their features and menu systems, this will be a general guide rather than offer specific advice. The best source of information is often the owner's manual. The table of contents can narrow down your search quickly.

The first basic item is how the display works. You want to be able to determine if you are in VFO or Memory mode, what memory you are at presently, the offset used, and the tone mode used.

The second basic item is how to change from VFO to Memory. Most recent transceivers have at least one VFO and a set of memories to save frequently used frequencies including the offset and tone. You should also be able to save the contents of a VFO into a memory. Since some transceivers contain a provision to display a memory tag rather than the actual frequency being used, you should be able to switch between displaying the memory tag and the actual frequency.

The third basic item is how to change the frequency, offset, and tone. These sound trivial, but being off-frequency, using the wrong offset, and using the wrong or no tone are the causes of the majority of the communications problems that I have seen. If you have a multi-mode transceiver such as an IC-706MKIIG or FT-817, you also need to know how to

set the modulation mode. If you are on an FM repeater, you do not want to use sideband.

The fourth basic item is how to disable the VOX, if applicable. VOX should never be enabled during a response since it is possible for stray sounds to trip the VOX. This ties up a communications channel.

The fifth basic item is how to lock and unlock the dial to prevent inadvertent frequency changes. It is possible to inadvertently change the frequency by bumping the dial.

The sixth basic item is how to change the power level. You should also become familiar with the other features on the transceivers that you use such as microphone levels, meter display modes, and time-out timer features.

If you are assigned to an EOC or other facility with pre-deployed equipment, then become familiar with the equipment before an actual response. Have one of the operators already assigned to the facility show you how to use the equipment. If you can download the manuals or otherwise obtain copies of them, then do so and become familiar with the equipment before an actual response. This is also why it is a good idea to pack the manuals in your "Go Kit". In the event that another operator needs to use your equipment, that operator can consult the manuals.

Upcoming Public Service Event Communications.....

At this time, the Yavapai Amateur Radio Club Public Service Communications season has wound down until September. The next scheduled events are:

- Saturday, September 8, 2012 March of Dimes March for Babies
- Saturday, September 22, 2012 Tour de Pee Vee 1/2 Marathon
- Friday and Saturday, September 28 and 29, 2012 Prescott Rally
- Saturday, September 29, 2012 Groom Creek Classic 1/2 Marathon
- Saturday, October 20, 2012 Step Out Walk to Stop Diabetes
- Check your calendars and be ready. Signups for these events will begin with the August YARC meeting. ■

OUTLAWS TO SIGN W1AW/7 IN 2012 IARU HF CHAMPIONSHIP

By Bud Semon, N7CW

The Arizona Outlaws Contest Club will proudly be the ARRL Member Society to represent the Headquarters Station (HQ) W1AW/7 in the upcoming 2012 IARU HF Championship Contest held 1200 UTC Saturday, July 14 to 1200 UTC Sunday, July 15. This effort is a great honor for the Arizona Section and for the Arizona Outlaws and is significant in that a HQ station representative selection has never been awarded to an ARRL affiliated club with only three years of history.



The effort involves manning 12 primary stations, plus back-ups, across the entire state, that will be signing W1AW/7, giving the world wide ham community an opportunity to work the ARRL HQ multiplier. The IARU Championship is a foremost summer time contest for both phone or/and CW ops and should be great fun to participate in, considering the improving solar conditions.

For complete details regarding the contest in general, go to www.arrl.org/iaru-hf-championship. To learn more about The Arizona Outlaws Contest Club, it's activities, it's involvement with this ARRL sponsored endeavor, and it's history, go to www.arizonaoutlaws.net.

The Prescott area will have 3 stations participating as W1AW/7:

Bud, N7CW on 10 Meter CW (n7cw@cableone.net)

Pres, N6SS on 40 Meter CW (n6ss@inbox.com)

Ray, N6VR on 75 Meter SSB (rayn6vr@cableone.net)

This will be a 24 hour, maximum effort to make as many QSOs as possible.

If you would like to participate, please contact one of the station owners. ■

Need a Hand?

If you need assistance, we want to help you. If you are just starting out in ham radio, or simply have run across something that you could use a hand with... technical assistance or answers to questions about the Yavapai Amateur Radio Club, are available from knowledgeable club members.



Don't Hesitate to Ask for Help!!

CALL:

Neil Vince, K7SEN (928) 775-2158
Jim Ball, WB7UZV (928) 445-2997
Bud Semon, N7CW (928) 771-8267

Here is a short exam to test your brain power.

(Answers can be found on Page 11)

Ministry for Education, Mississippi
Department for Learning
Exam Sheet for

A-Levels

Time allowed: 1 minute

1. Continue this sentence in a logical way. 25 points
<u>M</u> <u>T</u> <u>W</u> <u>T</u> _ _ _
2. Correct this equation with a single stroke. 25 points
$5 + 5 + 5 = 550$
3. Write anything in the space below. 25 points
<input type="text"/>
4. Draw a rectangle with 3 lines. 25 points



2012 ARCA / WILLIAMS HAMFEST



*Presented by the Amateur Radio
Council of Arizona and the City
of Williams*



JULY 20 & 21, 2012

WILLIAMS RODEO GROUNDS, 800 RODEO ROAD, WILLIAMS, AZ
GATES OPEN AT 5 P.M. THURSDAY JULY 19 FOR SET-UP.
HAMFEST OPENS AT DAWN FRIDAY, JULY 20.

FREE ADMISSION!

JULY 22, 2012 - GRAND CANYON TRAIN TRIP

MAIN PRIZES

Grand Prize - Yaesu FT-857D HF/6M+2M+70CM Mobile
Second Prize - Yaesu FT2900R 2M 75W Mobile
Third Prize - ADS-GMI GPS Receiver&Open Tracker USB
Fourth Prize - BAOFENG UV5R UHF/VHF HT
Early Bird - BAOFENG UV5R UHF/VHF HT

PRIZES

DOOR PRIZES EVERY HOUR

RAFFLE TICKETS

\$2.00 Each, 3 for \$5.00 or 60 for \$100.00

MEETINGS, SEMINARS, ACTIVITIES,
COMMERCIAL VENDORS, HUGE SWAP,
VE TESTS, BAR-B-QUE DINNER,
SUNDAY GRAND CANYON TRAIN TRIP

FOR RESERVATION INFORMATION

Visit the ARCA Web Site www.arca-az.org

On-Line Reservation Available on Web Site

Or Call - 602-881-ARCA (2722)

Talk-In - 146.78 - (91.5 Pl)

All Spaces -- Selling and/or Camping: \$20 per Space after
June 1 (all prices are for entire weekend).

NO FOOD OR BEVERAGE SALES WITHOUT WRITTEN PER-
MISSION & HEALTH PERMITS

NO GUNS, DRUGS or ALCOHOL PERMITTED on GROUNDS

Club contacts - At a Glance

President - AD7YR	president@w7yrc.org
Vice President - KE7NAP	vice.president@w7yrc.org
Secretary - KE7KEV	secretary@w7yrc.org
Treasurer - WN7E	treasurer@w7yrc.org
Board Member - KV8TD	kv8td@w7yrc.org
Board Member - K6VVR	k6vvr@w7yrc.org
Board Member - N7GLH	n7glh@w7yrc.org
Board Member - K7SEN	k7sen@w7yrc.org
Arizona WAC Administrator	az.wac@w7yrc.org
Ask Elmer for Help	ask.elmer@w7yrc.org
Badges	badges@w7yrc.org
Field Day Chairman	field.day@w7yrc.org
Fox Hunts	fox.hunt@w7yrc.org
License Classes	classes@w7yrc.org
Membership Application	membership@w7yrc.org
Net Manager	net.manager@w7yrc.org
Newsletter Editor	newsletter@w7yrc.org
Program Inputs	programs@w7yrc.org
Public Information Officer	pio@w7yrc.org
Public Service - DEC	public.service@w7yrc.org
Repeater Trustee	repeater@w7yrc.org
Special Events	special.event@w7yrc.org
VE Test Liaison	testing@w7yrc.org
YARC Party Coordinator	yarc.party@w7yrc.org
Information	info@w7yrc.org
Webmaster	yarc@w7yrc.org
Webmaster	w7yrc@w7yrc.org
Webmaster	webmaster@w7yrc.org

Upcoming Events

- **July 20 - 22, 2012** - ARCA/Williams Hamfest.
- **September 8, 2012** - March of Dimes March for Babies.
- **September 22, 2012**—Tour de Pee Vee 1/2 Marathon.

Need Cards Checked for ARRL Operating Awards?

Jim Zimmerman, N6KZ can check your QSL cards for DXCC, WAS, VUCC, WAC, etc.

For information contact Jim at: (928) 713-0542.

Jim's QTH is at: 778 Grapevine Lane,
Prescott, AZ 86305.

YARC IRLP

Suggested Operating Procedures

By George Imburgia, AD7RL

The YARC IRLP node is now active on 146.100 MHz, simplex, no PL. The transmitter is located north-west of Chino Valley. Testing with a moderately powered mobile confirmed coverage into Prescott and PV, as well as the upper Verde Valley.

To use IRLP, simply tune to 146.100 MHz, and listen for a minute to ensure there's no traffic. Announce your call-sign, and dial the 4 digit code of the remote node you want to connect to. A comprehensive list of nodes can be found at: <http://status.irlp.net/index.php?PSTART=3>

If the system successfully connects, you will hear the greeting of the remote node. If there's an error or the remote node is busy, the system will transmit a message indicating the status.

Once it has successfully connected to a remote node, listen for several seconds, to ensure there's no on-going traffic at the remote end. You won't hear it, but a message announcing your connection is also played on the remote end.

After confirming there isn't an on-going QSO, identify your call-sign, and call for the person you wish to talk to on the other end. Calling CQ or signal check is also acceptable. So is just lurking and listening.

Standard courtesy rules apply, even more so, since you're representing YARC when using the node.

When you wish to disconnect, dial 73. No # or *, just 73.

The connection will also close if there is no traffic for a period of time. This time period varies by node, but is usually at least 10 minutes.

There are also nodes known as "reflectors". They allow several IRLP nodes to connect, and send all traffic to all connected nodes. Reflector nodes are numbered as 9XXX. A list of reflectors is available at:

<http://status.irlp.net/index.php?PSTART=1>

Most nets on the reflectors welcome visitors, so in general, feel free to connect to them. Just listen for a minute or so before transmitting, to get a sense of what's going on. It's also perfectly acceptable to connect and listen, without breaking into the conversation.

Our IRLP node has had light usage since being activated last month, so there's plenty of free air-time available. Don't be afraid to just get on and explore IRLP.

If there's a catastrophic failure, or someone is abusing the node, call or text me at 202-495-0911.

Due to the general characteristics of radio, sometimes dialing a node doesn't work the first time. I've noticed that dialing, for example, 7600 can sometimes be interpreted as 76600 because noise intrudes while transmitting the 6, or some other number. There is no error response for this, so if you dial a node and hear no response after about 20 seconds, just dial again.

The most important thing to keep in mind when using IRLP is to pause, frequently. Listen before dialing. Listen after connecting to a remote node or reflector. Pause 2 to 3 seconds before responding to traffic, because there's sometimes lag in the connection or on a remote repeater.

Also, be nice. Follow any rules that may apply on remote nodes or reflectors. Your conduct on IRLP reflects on our club, our node, and my call-sign.

That said, don't be afraid to experiment. Dial up Tasmania and have a chat. Listen to some reflectors. Check in with old friends. Have fun.

The server for node 3301, which is connected to the Mt. Union 6 meter repeater, is currently sitting a foot from the 2 meter node's server. So you can dial 3301 on 146.100 MHz, and explore the local 6 meter community with an instantaneous connection.

The official website for IRLP is at: <http://www.irlp.net/>

Enjoy,

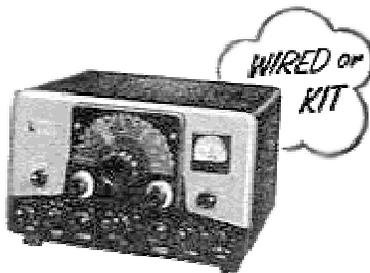
George - AD7RL



E.F. Johnson

From "Boat Anchor Manufacturers", at :
<http://www.ominous-valve.com/ba-mfrs.html>

Edgar F. Johnson started his mail-order parts business in 1923, in his Wisconsin bedroom. He moved into manufacturing parts, then into making whole radios. He gained a reputation for making sturdy, reliable gear which could take commercial 2-way use.



After the war, Johnson came out with the classic boat anchor transmitter. To honor his Scandinavian heritage, he named it the Viking. It became the Viking II, and then led to the

Viking Valiant/ Valiant II, with three 6146s instead of two, which was made until 1965. The Valiant is still popular with pirate radio stations. Its classic design considerably influenced the Heathkit DX-100, at one time the Model T of Heath's amateur line. The Valiant also had an SSB adaptor, giving an honest 275 watts PEP input.

The Viking I and II were your typical enormous, rack-sized boxes, made like something you'd put on a bank vault, with a meter and an ominous little dial hole in the middle. They made an external VFO that was popular. Then you had two ominous little dial holes.

The Valiant, and most later Johnson transmitters, went the other way, with the coolest VFO dials you'll ever see, and generally a very purposeful looking radio. The I series used dark browns and blacks, while the IIs went to a more contemporary (in 1960) grey and tan. These are beautiful radios. Everyone should have at least one.

The Viking line was well received, and no wonder, because it was an awfully good transmitter. A smaller ver-

sion of the Valiant, called the Ranger/ Ranger II, was made at the same time, having a single 6146 and no SSB adaptor. It was just about the best little rig available to novices (I liked mine, and the VFO gave me incentive to upgrade). A larger rig, the 500, had an external power supply, bigger finals, and an 811A modulator, for 500 honest AM/CW watts. I believe the sideband adaptor worked with this rig too. The "6N2," a transverter, got you up on, uh, six and two.

One e-mailer wanted me to put in the Thunderbolt, a 2000W PEP linear made in the 60s. Sounds good to me. Actually, I can't believe I'd forget that one. It was a true desktop kW, if you had a very strong desk, with continuous coverage from 3.5 to 30 MHz. It switched to class C for CW, where 20W in got you the legal plate input, plus a wee bit more. In AM linear mode, it did an honest 800W input, pretty good for 33% efficiency. This thing cranked.

Johnson also made a "6N2 Thunderbolt." 5 watts SSB/DSB in got you 1200W to the finals in class AB1, and six watts CW got you a happy kW of class C input on your favorite weak signal channel. Of course, you could not wear the 6N2 Thunderbolt on your belt at swap meets.



VIKING "PACEMAKER"
New transmitter for SSB, AM, and CW. Built-in VFO. Wired and tested. Net.....\$ 495.00

Finally, Johnson made a couple of small transmitters aimed at novices, a couple of middle-sized transmitters like the Pacemaker, a 500W desktop linear called the Courier, and a couple of huge transmitters aimed at people who, uh, wanted huge

transmitters. The earliest of these was the Viking Kilowatt, an ominous, square, grey box standing some 4 feet high, 3 feet wide and 5 feet deep, with controls on top, and generally looking more like a VAX than a radio. Since it was 'only' an amplifier, Johnson made a matching, metal desk which attached to the side, and gave a place to put your exciter, receiver, and yourself.



You've heard of The Smart Desk. Well, here was The 1000 Watt Desk. This was not a kW on a desk, it was a desk on a kW. Since there was also a class B

modulator in there, your desk had a kW on AM too, if it had to, using 15 watts audio drive.

Later came the Viking Invader, a modernized Valiant with internal SSB generation and 2 6146s. This was a pretty cool rig by itself, but it was also a bit like the old 32W-1, because you could put it on steroids. For about another \$700, not chicken feed in those days, your Invader got new finals, an external box for the power supply, a new panel with some more dials, and another meter. Or, you could buy it this way in the first place. Either way, you had an Invader 2000, a self-contained rig that could make legal power, or a wee bit more, on SSB or CW.

It's hard to go wrong with old Johnson transmitters. They're immortal, if you can come by tubes and parts. They work well, and they keep your room nice and warm.

Johnson also made the Match Box, a very highly regarded antenna tuner of a sort they just don't make any more, but which everyone wishes they did. There's also a kW Match Box, same thing only bigger. Everybody wants one of these, very very badly. Riots break out at swap meets. Hams sell their wives. It's not pretty, folks.

Ultimately the thriving land-mobile radio business replaced amateur as the company's core competency. Johnson became known for CBs and business radios.

Today's E.F. Johnson is a leading maker of Project 25-compliant digital radios for public safety and military applications. It was purchased in 1997 by software manufacturer Transcript International. In 2005, its headquarters moved to Irving, Texas. ■

Why, Why, Why.

- Why do Kamikaze pilots wear helmets?
- Why doesn't Tarzan have a beard?
- In winter why do we try to keep the house as warm as it was in summer when we complained about the heat?
- If people evolved from apes, why are there still apes?
- Is there ever a day that mattresses are not on sale?
- How come you never hear father-in-law jokes?
- Why is it that no plastic bag will open from the end on your first try?
- How do those dead bugs get into those enclosed light fixtures? ■

New Amateur Extra Class Question Pool Effective July 1

The new Amateur Extra class (Element 4) question pool -- released by the National Conference of Volunteer Examiner Coordinators (NCVEC) in January 2012 -- becomes effective on Sunday, July 1. The current Amateur Extra class pool expires on June 30, 2012 and cannot be used after that date. This new question pool -- including graphics and diagrams -- will remain valid until June 30, 2016. The new Amateur Extra pool contains 702 questions, from which 50 are selected for an Element 4 examination. As of June 13, three questions -- E1D09, E2A14 and E6E10 -- have been removed from the new pool. The current Technician class question pool that became effective July 1, 2010 is valid through June 30, 2014. The current General class pool that became effective July 1, 2011 is valid until June 30, 2015. ■

Answers to the Exam on Page 7

Ministry for Education, Mississippi
Department for Learning
Exam Sheet for

A-Levels

Time allowed: 1 minute

1. Continue this sentence in a logical way.	25 points														
<table border="1"> <tr> <td><u>M</u></td> <td><u>T</u></td> <td><u>W</u></td> <td><u>T</u></td> <td><u>F</u></td> <td><u>S</u></td> <td><u>S</u></td> </tr> <tr> <td>Monday</td> <td>Tuesday</td> <td>Wednesday</td> <td>Thursday</td> <td>Friday</td> <td>Saturday</td> <td>Sunday</td> </tr> </table>	<u>M</u>	<u>T</u>	<u>W</u>	<u>T</u>	<u>F</u>	<u>S</u>	<u>S</u>	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
<u>M</u>	<u>T</u>	<u>W</u>	<u>T</u>	<u>F</u>	<u>S</u>	<u>S</u>									
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday									
2. Correct this equation with a single stroke.	25 points														
$5 \ 4 \ 5 \ + \ 5 \ = \ 550$															
3. Write anything in the space below.	25 points														
<div style="border: 1px solid black; padding: 5px; text-align: center;"> <i>anything</i> </div>															
4. Draw a rectangle with 3 lines.	25 points														
<div style="border: 1px solid black; padding: 5px; text-align: center;">  </div>	Help 														

Area Repeaters

Weekly Breakfasts



Wed. Morning Breakfast:

7:00 a.m. at

Iron Horse Restaurant

(Hwy 89 in Chino Valley)

(N 34°43'56.5" W112°27'15.4")

informal – all are invited

Breakfast at Masonic Lodge: 3rd Saturday of each Month at 9:00 a.m.

(1280 Willow Creek Road,

2nd Floor; above Bank of America)

informal – all are invited

* Location data (per WGS84) provided

by Fred Zimmermann, N7PJN

Freq.	PL	Location	Owner/ Club	Auto- Patch	Links	Vo IP	Notes:
52.560-	100.0	Mt. Union	N7NGM			IRLP	Node 3301
144.390	Simplex						APRS- www.aprs.fi
145.290-	127.3	Mingus Mtn.	K7YCA				ARES/RACES
145.350-	162.2	Wildflower	W7QHC				Dawn
145.600	Simplex					Echo	Node 266053
146.760-	131.8	Hayden Peak	N7SKO				WECOM INC
146.780-	91.5	Bill Williams Mtn.	K7NAZ			IRLP	BWMRC LITZ, 3178
146.880-	100.0	Prescott Heights	W7YRC				YARC
146.920-	162.2	Mount Ord	W7MDY				ARA
146.980-	162.2	Mt. Elden	W7ARA				ARA
147.000+	162.2	Mingus Mt.	K7MRG				MMRG
147.140+	162.2	Mt. Elden	W7ARA				ARA
147.220+	162.2	Mingus Mtn	W7EI				VVARA LITZ
147.260+	103.5	Mt. Union	K7YCA				ARES/RACES
147.260+	127.3	Mt. Francis	K7YCA				ARES/RACES
147.360+	162.2	Mt. Ord	W7MDY				ARA
224.080-	156.7	Mt. Union	KJ7DX				Desert Intertie
442.150+	100.0	Mingus Mtn	WA7UID				MMRG
448.475-	100	Mt. Elden	W7ARA				ARA
448.875-	100.0	Mt. Elden	W7ARA				ARA
449.250-	192.8	Chino Valley	K7POF				
449.675-	88.50	Prescott Airport	WB7BYV		Linked to P Mtn.		
449.750-	123.0	Bill Williams	K7NAZ		Linked to Win-Sys		
927.0875-	151.4	Mingus Mtn	WB7BYV				
927.3875-	151.4	Prescott	WB7BYV			Echo	ARA

Y.A.R.C. IRLP NODE

Node Number 3182

146.100 MHz No PL Tone



T-Hunt Frequencies:

Primary - 145.100 MHz

Secondary - 146.565 MHz

For more Repeater Information & Listings refer

to:

- www.w7ara.org/Web/
- www.azrepeaters.net
- www.azfreqcoord.org/listings.htm

YAVAPAI AMATEUR RADIO CLUB

P.O. BOX 11994

PRESCOTT, AZ 86304

Visit us on the web at <http://www.w7yrc.org>

Many thanks to Dick Hughes, W6CCD, our Webmaster

