= =

This OVARC email newsletter is sponsored by the Oro Valley
Amateur Radio Club http://www.tucsonhamradio.org

MONTHLY CLUB MEETING LOCATION
Ascension Lutheran Church
1220 W Magee Rd
Tucson, AZ 85704 (east of LaCanada on Magee)
Third Friday of each month at 7:00 pm
= =

2015 OFFICERS :

Bob Molczan, KA7VPR -- President   president@tucsonhamradio.org

Ron Herring, W7HD -- Vice President   vicepresident@tucsonhamradio.org

Scott Boone, K7ADX -- Treasurer   treasurer@tucsonhamradio.org

Howard Chorost, KC7AC – Secretary   secretary@tucsonhamradio.org

Board Members:

Dave Coccio, N7AKC	**Gary Schmitz, KT7AZ**	**Steve Wood, W1SR**
Carl Foster, KB7AZ	**Bob Stephens, AF9W**	

Sunday Night Net   **19:00 MST**   **OVARC Repeater System**

Join the group every Sunday night at 19:00 MST (7:00PM) on the OVARC repeater system for the Sunday Night Net. We also have our Radio Tradio on this net where you can list ham radio items for sale. Everyone is welcome on the net regardless of club affiliation.
We are always looking for Net Control Stations so if you would like to try your hand at being NCS, contact Lanny, KF7LV our Net Manager. [Net_Manager@tucsonhamradio.com]

Wednesday night NBEMS net   **19:00 MST**   **OVARC Repeater System**

Please join us for an exercise in FLDIGI and NBEMS every Wednesday evening at 7:00 pm on the Ovarc repeater system. We primarily use 146.620 due to military interference issues on 444.100 and Internet linking issues between 146.620 and the other repeaters.

= =

How to stop the Windows 10 upgrade from happening
(and keep Microsoft from gobbling up your internet bandwidth)
http://thehackernews.com/2015/09/how-to-windows-10.html
Method 1 is probably the best and easiest.

Many folks dislike the intrusiveness of Windows 10. Others don't like the fact
that it can download 6 Gigabyte files on your dime. It seems that Microsoft
assumes everyone is on a very high speed internet connection with no download
limits.

So many who have gotten Windows 10 are reverting to Windows 7, and some even to
Windows 8 or 8.1.

If you are fortunate enough to have gotten a copy of Windows XP with the upgrades
extended to 2019, such as those in the US Air Force or through your corporate
sources, good for you.

  But be SURE to lock down your Firefox and Chromium browsers using:
  • Ghostery to stop trackers
  • ADBlock Plus to stop those annoying ads (even the ad council admits there are
    too many ads on web pages these days)
  • Self-destructing cookies (you can allow certain ones you need to stay)

You can also get the excellent Epic browser, although websites will complain that
you don't have the latest version of Chrome (on which it is based) and you can't
update Flashplayer. It is written from the ground up for privacy.

Now start thinking about which Linux version you'll switch to when those upgrades
stop coming. Or consider what your new Mac will be.

= =

**Start thinking about who you want to nominate for next years board positions.
FIVE positions up for election for seats currently occupied by KT7AZ; KC7AC; K7ADX;
N7AKC; W7HD.**

**January 2016 Board Member Elections – 5 positions will be open, Nominations will be taken by
email to ka7vpr@comcast.net starting immediately, and at the November & December meetings.
Voting to take place at the January 2016 general session club meeting. Nominees MUST be
current OVARC members in good standing, and cannot be a board member of any other
amateur radio club.**

**The OVARC Holiday "Potluck" Party is scheduled for December 20. This event is open to
OVARC members and family, or a guest. Participation in our holiday party requires that each
member bring a food item side dish or dessert of choice. OVARC will supply the main dishes.
Party goers must register with the soon to be published "Holiday Potluck Sign-up Genius" and
choose a side dish from the suggested list. Also, EVERY party attendee must bring at least one
non-perishable food item for the church donation food program. Watch your email for
announcement of the sign-up genius and further details.**

Proposed frequencies for the Marana repeater are:
     447.525 output   442.525 input   156.7 PL
There is one known repeater listed in Anthem (northwest of Phoenix) using the reverse of our proposed frequency (442.525 out 447.525 in 114.8 PL). It does not appear to be active.   At least we can't hit it with 50 watts and a beam pointed in that direction from the W7HD QTH.
The Marana repeater is to be located on the monopole at the Marana Municipasl Complex, 11555 W Civic Center Drive. The site elevation is 2000 ft above sea level, and the antenna will be about 60 feet above ground. Coordinates are:
Latitude N 32/26/48.15 (DD/MM/SS)   Longitude W 111/12/31.49
We are waiting on them to abandon a current installation so we can re-use the hardline for the antenna.

= =

w7hd.homelinux.net is changing to w7hd.ddns.info

Please change your bookmarks as necessary. The content is not changing, just the name.

The cost of the domain name has gone up again to $40/year, which to me is excessive.   Plus, not only is the name shorter, the w7hd.ddns.info domain is free!

You can still get to w7hd.net as usual. That isn't changing, since they provide my email and subdomain services.

= =

UPCOMING EVENTS IN ARIZONA from the ARRL News Letter

- **November 7 2015 - Cochise Swapfest & CW Communications Exercise Event www.k7rdg.org Time:0700-1200 Event City: Sierra VIsta Event State: AZ Event Sponsor(s): Cochise Amateur Radio Association Event Facility: Green Acres Event Facility Address: 2756 South Moson Road Special Features of Event: Flea market Tailgating VE sessions Exams being given: ARRL Sponsored Exams Talk-In Freq: 146.76-162.2 Advance admission fee: Free At-door admission fee: Free Table fee: $5 for Tailgating, $10 for Indoor Table Event Web URL: http://www.k7rdg.org Public contact name: Lee Ilse Public contact call sign: KD7OED Public contact address: PO Box 1855 Sierra Vista, AZ 85636 Public contact phone: (520) 236-1237 Public contact fax: Public contact email: kd7oed@arrl.net -**

- **7 November 2015 - Oro Valley Amateur Radio Club hamfest in Marana, AZ Marana Middle School 11285 West Grier Road Marana Arizona 85653. Contact www.tucsonhamradio.com/hamfest for more information -**

- **14 November - 2015 HARKFEST Tailgate Hamfest Hosted by the Hassayampa Amateur Radio Klub North Ranch Escapees RV Park, 30625 S Highway 89, Congress, AZ. Hours are 8:00 AM until 12:00 Noon. Free Admission - Free Tailgate Space (pre-registration required) Overnight Camping with Full Hook-Up or Dry (pre-registration required at www.escapees.com/parking/congress) Free VE Testing at 9:00 AM - Prizes - Arts & Crafts Show - Lunch Available beginning at 10:30 AM.Talk-In 146.62 (Pl 162.2) or 146.580 (simplex) -**

- **5 December2015 - Superstition SuperFest 2015 Hosted by Superstition Amateur Radio Club, 1833 W. Southern Avenue, Mesa AZ. 85202. VE Testing at 9:00 AM. ARRL DXCC Card Checking, Fox Hunt, Special Event Station, Gota Station. http:\\www.superstitionsuperfest.org for more information -**

- **17-23 January 2016 Quartzfest, Quartzsite Arizona ARRL Specialty Convention www.quartzfest.org - 19 -20 February 2016 Southwest Division Convention and Yuma Hamfest, 2520 E. 32nd Street, Yuma AZ. 85365 You can email the Director of the Yuma Amateur Radio Hamfest Organization (YARHO), Roger Hunt (K7MEX). Snail mail YARHO P.O. Box 1843 Yuma, AZ 85366-1843 http\\www.yumahamfest.org -**

- **26 March 2016 TUCSON SPRING FEST Radio Society of Tucson Spring Hamfest, 6:00 AM to 11:00 AM Target 9615 e. Old Spanish Trail, Tucson 85748 Free Admission, Vendors and Tailgaters $10.00. Seller set up 5:00 AM Contact www.k7rst.org for information. Talk in 146.800 PL 156.7 APRIL is DeVRY Hamfest Which weekend is still up in the air. We will know in January 2016 - 22 - 24 July 2016 - ARCA/Williams Hamfest - hosted by the Amateur Radio Council of Arizona will be held at the Williams Rodeo Grounds, Rodeo Road in Williams. Hamfest hours are Dawn to Dusk Friday and Saturday. Prizes, VE Testing, DXCC Card checking, Seminars and more. For complete up-to-date information, visit the ARCA Website at www.arca-az.org and click on the "ARCA/Williams Hamfest" link at the left of the screen.**

- **APRIL is DeVRY Hamfest Which weekend is still up in the air. We will know in January 2016 -**

- **22 - 24 July 2016 - ARCA/Williams Hamfest - hosted by the Amateur Radio Council of Arizona will be held at the Williams Rodeo Grounds, Rodeo Road in Williams. Hamfest hours are Dawn to Dusk Friday and Saturday. Prizes, VE Testing, DXCC Card checking, Seminars and more. For complete up-to-date information, visit the ARCA Website at www.arca-az.org and click on the "ARCA/Williams Hamfest" link at the left of the screen.**

= =

The Southwest Division Convention was really exciting.

There were lots of vendors and a real buzz to the event. If you have never attended one of these you should put them on your calendar. Plan ahead and get the most out it. The seminars were great, the vendors were extremely friendly.

I had a table set up there for Arizona Section since we are hosting the 2016 Southwest convention at the Yuma Hamfest February 19th through the 20th 2016, I handed out flyers concerning the southwest convention and at the banquet dinner it was announced that next year 2016 would be in Yuma, Arizona.

Go to http://www.yumahamfest.org for further information or snail mail Director of the Yuma Amateur Radio Hamfest Organization (YARHO), Roger Hunt (K7MEX). Snail mail YARHO P.O. Box 1843 Yuma, AZ 85366-1843.

===

3 dB?

In a post by Guy Olinger K2AV on the Elecraft reflector, here is a definitive answer on 3dB vs 6dB for the S unit.

I've seen an S unit described as 6 dB -- double the ***voltage***, or four times the power. Or in recent years some radios do 5 dB -- keep a linear string of LED's where over S9 is in 5 dB increments and below S9 is in 5 dB S units.

But to be truthful, there is no metric system authority that sets an S unit. There are recommendations from radio organizations, all stating 6 dB. To see S units way back in the beginning, here is a photo of the front of a 1936 RME-69 receiver.

http://www.virhistory.com/ham/spkrs/RME_007.jpg

If you look at the meter labeled "Carrier Level Indicator," below the scale marks you will see S1 through S9. Above the scale marks you will see dB, originally spelled DB, from 0 to 72, in 6 dB steps. The S1 through S9 use the same marks as 0 through 48 on the dB scale. S1=0dB, S2=6dB, ... S9=48dB. Very clearly S units on this pre-WW2 classic radio are 6 dB.

This predates a 1939 National HRO receiver manual that explains S-units as 6 dB.

So history says S units are 6 dB, with each S unit a doubling of the voltage of the prior S unit.

An earlier version of the signal strength meter on the RME-69 was

calibrated in dB on one side of the scale and microvolts on the other, without S units.

Most S meters are notoriously inaccurate and might not tell you any more than signal A is louder than signal B. Whether the RME-69 could function as a frequency selective microvolt meter with a decent degree of accuracy is anyone's guess. I suspect that they could not make the old tube circuits and the manufacturing tolerances actually match a microvolt scale across manufactured units, and so they went relative with S units.

Everything you never wanted to know about an S-unit. :>)

73, Guy K2AV

===

From

The RADI🌎GRAM

of PCARS October 2015 issue

PCARS was especially pleased to welcome Dave Sumner, K1ZZ to our September meeting! Dave has been the CEO of the ARRL since 1982. As CEO, Dave is responsible for successfully enacting the policies of the board.

PCARS rented the Underwood Hall at the American Legion post, which turned out to be a very nice venue for an event such as this. Special thanks to Bob, K8FEY for the sound system, and to Parky, KB8UUZ for putting together the video of Dave's presentation.

Here's something I've never been able to say before: If you were unable to attend the meeting in person, you can view Dave's presentation on the PCARS YouTube channel at http://tinyurl.com/pnjapml . I would encourage you to check it out. Dave discussed many issues that face us as Amateur Radio operators and how the ARRL is involved in representing our interests. It was a very interesting and informative presentation.

= =

Tucson Area Nets

Data compiled from multiple sources. All times are MST.

Day	Time	Net Name	Frequency	Mode	Duplex? (FM only)	Offset (FM only)	CTCSS (FM only)	Notes
Sunday	0730	AZ State RACES	3.990	LSB				
	0830	VHF Sideband Net	144.250	USB				
	1230	AMSAT Local HF	14.282	USB				
	1900	OVARC Net	146.620	FM	Duplex	-	156.7	
		Linked to:	147.320	FM	Duplex	+	156.7	
		Linked to:	444.100	FM	Duplex	+	156.7	
	1900	EAARS Net	147.160	FM	Duplex	+	141.3	
		Linked to all EAARS repeaters						
	2000	Emergency Preparedness Net	146.500	FM	Simplex			
Monday	1800	Traders Net	145.775	FM	Simplex		100.0	
	1900	Olivia 8/500	144.300	USB				
	1930	Smart Net	147.160	FM	Duplex	+	141.3	
	2000	10M FM Net	29.600	FM	Simplex			
Tuesday	1830	160 Meter Net	1.861	LSB				
	1930	Pinal County Emergency Group	147.200	FM	Duplex	+	162.2	
	1930	Tucson Skywarn Net (3rd Tuesday)	147.160	FM	Duplex	+	141.3	
	2000	Skywarn Nat'l Weather Service	146.740	FM	Duplex	-	162.2	
	2000	Tucson Area 10 Meter Net	28.420	USB				
Wednesday	1230	2 Meter AM Net	144.400	AM				Tuesday?
	1900	NBEMS Net	146.620	FM	Duplex	-	156.7	
	1900	AMSAT Net	146.880	FM	Duplex	-	110.9	
	1930	1960s Music & TV Trivia	224.500	FM	Duplex	-	156.7	
	2000	6 Meter Sideband Net	50.130	USB				
	2030	UHF Sideband Net	432.100	USB				
	1900	Green Valley Net	145.290	FM	Duplex	-	107.2	

-more-

Day	Time	Net	Freq	Mode			Tone	Notes
Thursday	1830	Tucson 220 Net	224.500	FM	Duplex	-	156.7	
	1900	Tucson VHF Sideband Chit Chat	144.210	USB				Horizontal
	1900	Cochise Amateur Radio	146.760	FM	Duplex	-	162.2	
	1930	Northlink (S.Mt)	442.125	FM	Duplex	+	100.0	
Friday		no local Friday nets						
Saturday	0700	So AZ Emergency Communications VHF Net	146.880			-	110.9	
		Linked to:	147.300				110.9	
	0715	So AZ Emergency Communications HF Net	3.865	LSB				
	1300	So AZ Emergency Communications VHF Net	146.880	FM	Duplex	-	110.9	
		Linked to:	147.300	FM	Duplex	+		
	1900	REF009C Arizona DStar Net	147.100	DV	Duplex	-		K7RST C
		Linked to:	445.900	DV	Duplex	-		K7RST B
		Linked to:	145.115	DV	Duplex	-		KR7ST C
		Linked to:	REF009C					
	2000	Red Mountain Net	146.640	FM	Duplex	-		
	2000	6 Meter Net	50.400	AM				
Daily	0600	0630 Weather Net	145.350					
	0700	ROMEO Group (except Tuesday)	3.999	LSB	Switches to 1730 MST on October 15 each winter			
	1830	Saguaro NTS Net	147.160	FM	Duplex	+	141.3	
	1900	ATEN Net	3.950	LSB				

Legend

ATEN	=	Arizona Traffic and Emergency Net
D-STAR	=	Digital Smart Technologies for Amateur Radio
DV	=	FM Digital Voice
NBEMS	=	Narrow Band Emergency Messaging System
OEM	=	Office of Emergency Management
OVARC	=	Oro Valley Amateur Radio Club
RACES	=	Radio Amateur Civil Emergency Service
ROMEO	=	Retired Old Men Eating Out
RST	=	Radio Society of Tucson
Skywarn	=	a program of the US National Weather Service

Thanks to Bob AF9W and David AK2L for this information.

= =

APRS Voice Alert system using your existing APRS-capable radio.

Go to this URL to read the 10 page detailed instructions on how to set it up, and how to use it:

http://www.aprs.org/VoiceAlert3.html

It allows you to contact that guy that just passed you on the highway. An interesting concept and easily doable with many current radios.

= =

Interested in working satellites?

Learn about how in my new presentation now available at:

http://w7hd.ddns.info/ovarc-satellite-presentation.pdf

This presentation will be presented at a club meeting during the coming year, but you can get an advance peek at it. Be assured that it will likely change before being presented, but is in a final form currently.

You can learn the terminology of satellite communication, what factors affect your success or failure to work the satellite, the pre-planning you need to do, and a link to a You-tube video of a live demonstration of working a satellite. Here is the link for the impatient:

https://www.youtube.com//watch?v=bT131WBHKxc

= =

FLDIGI SITE VICTIM OF DENIAL-OF-SERVICE ATTACK

On Oct 17, 2015, at 11:57 AM, w1hkj@bellsouth.net [win-fldigi] wrote:
The move to Source Forge for all download file access was a result of a
denial-of-service attack on the www.w1hkj.com site. That site has been
privately paid for by me for the last 10 years as a convenience for
amateur radio operators wishing to use my software. There has never been
any charge for the software or the service. I know the perpetrator's URL.

In today's internet world, anyone who accomplishes anything worthwhile is attacked for it.
Dunno why, but it's true. Tragedy of the commons, I suppose, where the kooks are on equal
footing with the good guys.

All of the source, setup.exe, and dmg files can be downloaded from
Source Forge. Please use that source for all downloads. If you need
the source then you can use the git clone process.

https://sourceforge.net/projects/fldigi/files/

= =

SOURCEFORGE FLDIGI FILES ARE SAFE

> 5a. Re: Could the files please be moved away from Sourceforge? Had to clean my hard drive after the last download.

Really? What on earth are you downloading? The individual zip files for Fldigi (and related friends) don't contain anything else other than what you want. Source files or Windows binaries.

If you did click on one of the "other" buttons on that site, then that's down to you. Plus, when you run what you (may have unintentionally) pulled down, READ and review all the default options before you give it the OK to do stuff, many if not all of them are un-selectable (usually.)

Why on earth download an "installer" anyway, it's not needed to pull individual files from SF, even as a not-logged-in visitor to the site.

In any case, someone mentioned GitHub as an alternative. It's not as if they've never had problems in the past either, similarly DropBox and just about all other public file sharing sites, they ALL are targeted by miscreants, purely to catch out those who blindly click on big "Download Now" (or similar) buttons without first reading the page, or reviewing the links.

Heck, even MS's Outlook.com site was serving up "Malvertising" to it's users not that long ago!

Tip!: Hover the mouse over your intended click target, and see where it will take you in the URL viewer that will appear in view somewhere on screen. You might be surprised where a site wants to send you to download stuff. If it's not what you expect, do not click! It's as simple as that.

Consider running your browser in a sandbox, such as the excellent Sandboxie (sadly no longer free to new users, but VERY good!)

Above all, Take Care!.

73. Dave G0WBX.

V2   24-Oct-2015

= =

SOURCEFORGE BUNDLING UNWANTED SOFTWARE ???

You have probably heard about the rumors concerning Sourceforge bundling advertising with open source projects. Here is a well-written and thoughtful article about their practices. By the way, they have elected to NOT continue the practice after the uproar.

http://arstechnica.com/information-technology/2015/06/sourceforge-locked-in-projects-of-fleeing-users-cashed-in-on-malvertising/

= =

PROPNET ON LINUX

As you all know I am the documentation author for the Propnet project. Every time we experience yet another boggle due to a Windows update, I re-iterate to myself that I really, really need to produce a native Linux version. These are mostly related to sound card handling, or lack thereof.

Well, Jeff Francis N0GQ, who lives in Snohomish, Washington (which is a bit north of Seattle), beat me to it. It's not pretty, but it works well. I am reminded of the adage, first make it work, then make it pretty.   Check it out at:

https://jeffbuildsaplane.wordpress.com/2014/10/26/propnet-client-using-fldigi-for-linuxosxwindows/

= =

Is Heathkit back in business?

Read what they have to say.

The reports of their death are greatly exaggerated, apparently.

https://www.heathkit.com/heathkit-faq.html

and their news site:

https://shop.heathkit.com/blog/heathkit-news-1

= =

Lwayne, AB8DD sent in this picture proving that the BANDS WERE DEAD

= =

September 2015 PCARS Net Night Quiz

Provided for your fun and enjoyment

- 1. Who is the current President of the ARRL?

  A) Dave Sumner – K1ZZ   B) Norm Fusaro – W3IZ
  C) Kay Craigie - N3KN   D) Scott Yonally – N8SY

- 2. Fox-1C and Fox-1D cubeSATs are scheduled to launch first quarter of 2016 in what type of vehicle ?
  A) a re-purposed Chevy Astro Van   B) a Russian Soyuz Rocket
  C) a Private company, SpaceX, Falcon 9 rocket   D) A US Saturn 5 rocket

- 3. October's biggest radio contest is
  A) California QSO Party   B) CQ Worldwide DX Contest SSB
  C) FYAO   D) ARRL Sweepstakes

- 4. How many US Sections are there in the ARRL?
  A) 50   B) 71   C) 74   D) 96

- 5. Licensing of "Wireless" activities began in the US in what year?

A) 1890   B) 1910   C) 1912   D) 1914

- 6. What relationship is there between the 15 meter and 40 meter bands?
  A) None   B) Both are HF bands
  C) 40 is a harmonic of 15   D) 15 is a harmonic of 40

- 7. What is a "Rover"
  A) A Dxpedition that moves between locations
  B) A Station handling traffic – off frequency
  C) An Amateur Satellite in low earth orbit
  D) A station that operates from several grid squares during a contest

- 8. What year were Novice operators authorized to use a VFO?
  A) 1962   B) 1968   C) 1972   D) 1976

- 9. During what years was Hiram Percy Maxim president of the ARRL?
  A) 1914-1922   B) 1916-1924   C) 1916-1934   D) 1914-1936

- 10. On what date did Marconi receive the first Trans-Atlantic radio signal?
  A) 12/01/1901   B) 12/12/1901   C) 12/10/1900   D) 12/12/1905

- 11. G5RV designed an all band HF wire antenna. How long is it?
  A) 102 ft   B) 64 ft   C) 132 ft   D) 51 ft

- 12. The time it takes a capacitor to discharge 37% of it's charge through a bleeder resistor is know as?
  A) The J-Factor   B) Time Constant   C) Doppler effect   D) Half-Life theory

- 13. Radio waves and light waves are both what? A) polarized energy   B) electrostatic energy   C) electromagnetic energy   D) ionospheric energy

- 14. Why is it always necessary to lay down radials when constructing a ¼ wave, ground mounted vertical antenna?
  A) The provide RF reflection attenuation
  B) They provide reverse electrical charging of the earth
  C) They provide additional bandwidth
  D) They provide a low loss current return path back to the vertical

- 15. The first post war DXCC list (1947) contained how many entities?
  A) 316   B) 257   C) 274   D) 179

- 16. How many DXCC entities are there now?
  A) 340   B) 368   C) 402   D) 518

- 17. BONUS QUESTION - 5 POINTS : Who is Elon Musk??

ANSWERS:

1) C 2) C 3) B 4) B 5) C 6) D 7) D 8) C 9) D 10) B 11) A 12) B 13) C 14) D 15) B 16) A

17) Elon Musk is the CEO of both SpaceX and Tesla Motors. He was the founder of PAYPAL which he sold to EBAY and hit the big time.
= =

First Place in the 2014 AZ QSO Party goes to the K7T team from OVARC.

According to W8TK we did even better this year. So there might be another plaque in the pipelink.

= =

November 7, 2015

Marana Middle School
11285 West Grier Road
Marana Arizona 85653
www.tucsonhamradio.org/hamfest

= =

OVARC NETS ON THE OVARC LINKED REPEATERS

146.620- 147.320+ 444.100+   All use 156.7 PL

- Sunday night net   Sunday nights at 7:00 pm MST

- NBEMS net   Wednesday nights at 7:00 pm

= =

HAM INGENUITY IS ALIVE AND WELL

Jim W5ZIT and I brainstormed a month or so ago on how to establish a more reliable link to the Keystone Mtn site (146.620). As we know, during Monsoon season there are often internet dropouts which sever the Keystone repeater link with other repeaters on the OVARC network.

Jim had an idea he has used successfully in the past and I supplemented the idea to also incorporate a CL100.

The idea is to setup a typical mobile radio to operate as normal on the Keystone repeater.

The radio requires the Packet Din type connector option which Gary AE7GP graciously let us borrow. It is his Icom 207h radio.

We then connect the 207h packet connector RX/TX, Ptt and COR to the like connections on a CL100 internet link. The CL100 is connected to an internet network where it connects to one of the OVARC CH100 hubs.

The radio upon RX places the keystone audio on the network where it propagates to all other repeaters. When another repeater on the network receives audio it is sent to the 207h Cl100 and transmitted via the 207h to Keystones input.

The system was tested yesterday for several hours and tonight (18-Oct-2015) on the weekly net. The radio was located near Calle Concordia and La Canada in Oro Valley, using a mobile mag-mount antenna, 5 watts of power, and a Centurylink internet connection. That's about as good a test as you can get! What we heard was perfect full-quieting audio!

Gary KT7AZ

= =

From a LinuxHam post on Yahoo by AD1C Jim Reisert   jjreisert@alum.mit.edu

The Country (CTY) Files were updated on 19 October 2015:

http://www.country-files.com/cty-2511-19-October-2015/

For installation instructions, start at:

http://www.country-files.com/

Hover your mouse over the word Contest in the menu, then select the software you are using.

To install the file, follow the link to your software at the top of the page.

If you are interested in a bigger CTY.DAT for everyday logging, you can get it here:

http://www.country-files.com/big-cty/

Tongue-in-cheek comment by Dennis Smith M1DLG

The Microsoft website always has malware on it.   When I accidentally landed on that site once, I downloaded something called Windows.iso.

Never again.

[Editor: He is obviously either a MAC or Linux user.]

= =

A SAFER WAY TO SURF THE WEB

I have been seeing a lot of comments lately about ad blockers, tracking blockers, and such. One person says he blocks twitter and facebook, since they have dozens of trackers.

Might I suggest you check out a browser I have found that inherently blocks trackers and ads and has numerous security measures built-in. As a result websites load very speedily, and you are **much** safer. It is powered by Chromium, and each tab is a separate process. Many websites will complain that you don't have cookies enabled, which is a good thing.

Get it here: https://epicbrowser.com/

Consider using a linux based hardware firewall if you are running Windows 10. (they do ignore internal

hosts files trying to block their over intrusive telemetry), and the firewalls on home routers are full of holes. There are many of them out there (google search for "linux based firewall" produces at least 10 pages of listings) One of the better ones I have personally used that requires very minimal hardware is Smoothwall Express from a Fareham UK based company. It is easy to setup and administer, requiring very little attention after it is setup. A basic PC with two ethernet cards (these can be usb devices) is the requirement. No keyboard, mouse or monitor needed after installation since you administer it using SSH.
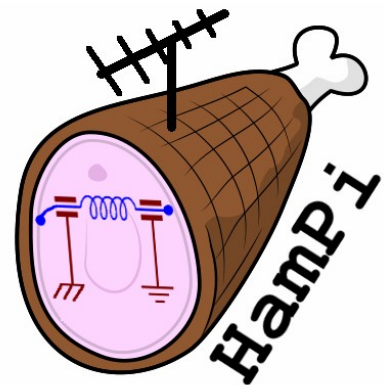
Check it out here: http://www.smoothwall.org/

Ron Herring W7HD

= =

= =

Need to use your Raspberry Pi for EMCOMM/NBEMS/FLDIGI?

Lior Elazary KK6BWA has a nice writeup, complete with pictures and howto instructions.

Go here: http://www.elazary.com/index.php?
option=com_content&view=article&id=56:hampi&catid=17:misc&Itemid=17

His example shows how to connect it to a UV5R.

He also has other articles of interest:

http://elazary.com/index.php?option=com_content&view=section&id=10&Itemid=17

Also, there is a yahoo group for the raspberry pi as it related to ham radio.   It's called

raspberry_pi_4-ham_radio

= =

= =

Permission is hereby granted to use any or all of this newsletter freely.   Please acknowledge your source, though. Something like this is encouraged:

Reprinted by permission of the Oro Valley Amateur Radio Club (OVARC) and the editor, Ron Herring W7HD

Feel free to email me at newsletter@tucsonhamradio.org

Please note that all articles submitted may be edited for spelling mistakes. My document program does automatic spell checking (LibreOffice Writer).

====== END NEWSLETTER ======