

THE MONITOR

February 2014

Published Monthly for members of the Amateur Radio Clubs in Virginia's Central Shenandoah Valley

VARA Meeting: Country Cookin, Staunton

The **Valley Amateur Radio Association** would like to invite you to our monthly meeting on Tuesday, **February 4th** at Country Cookin', located on Richmond Road (route 250) just west of Walmart in the Martins Grocery Plaza in Staunton, VA. We meet for supper at 6:00 PM and the general meeting begins at 7:00 PM. This month following our meeting, Jeff, W4PJW will briefly talk about mobile radio installation. If you cannot make it for supper, you are more than welcome to come to the meeting. Also I encourage former members to reconsider and renew their membership with the Valley Amateur Radio Association. The club not only wants our former members to come back, but we seek new members as well.

MARA Meeting: Wood Grille, Harrisonburg

The **Massanutten Amateur Radio Association, Inc.**, will hold its monthly meeting on **Thursday, February 6th** at the normal location: the **Wood Grill** at 1711 Reservoir Street in Harrisonburg. Dinner starts at 6:30 pm. All hams and their families are invited and welcome. After dinner, a short business meeting will be held.

PVARC Meeting: Page County Sheriff's Department, Luray

The **Page Valley Amateur Radio Club** will hold its regular meeting on **Friday, February 7th**. The meeting will be held at the Page County Sheriff's Department Training Room. If you have not been there, full directions will be given in the upcoming meeting announcement prior to our next meeting. The meeting begins at 1830 Hrs.



Friday Meetings: Hometown Grille & Buffet, Staunton

The Friday weekly casual lunch meetings are at **Hometown Grill & Buffet** (Old Shoney's) at 30 Sanger Lane, Staunton, VA at 11:00am. Directions: I-81 to Exit 222, Richmond Rd & Rt. 250 turn East, Hometown Grill & Buffet will be on the left across the street from Mrs. Rowe's.



New VARA Members! Sam Gamble, K4RTE and Josh Johnson, KK4WBW.

New MARA Members! Barry May, KC4SSS and Caren Scott, KG4IFR.

Welcome Sam, Josh, Barry and Caren!

Let's give these fine folks a hearty welcome at your next club meeting! [And maybe get them involved in some club activities!]



Well, Here It Is!

Here is what?
Your very last issue of the **Monitor**, of course.
That is, unless you have renewed your club membership for 2014.
Don't miss out. Turn to the last page of this issue (inside the back cover) and complete and mail the renewal form with your check today. If your club treasurer doesn't receive it by the February club meeting, well, — let's just say that you'll be sorry.

At Left: An unnamed ham from Harrisonburg is disrobed and escorted to the Bear Den repeater site after failing to renew his club dues by the end of the February meeting.

(From the February 2004 issue of the Monitor)

VARA PRESIDENT'S MESSAGE

The first meeting of the Valley Amateur Radio Association in January 2014 got off on the right foot. We had a total of 25 hardy individuals show up at Country Cooking for a fellowship meal and program provided by Jeff, W4PJW. I call those who attended "hardy" because we were in the midst of the so-called Polar Vortex and it was cold, really cold as you know. I want to thank each hardy individual for making our meeting a good one.

I especially appreciate Jeff sharing with us some of his techniques for installing amateur radio gear in today's complicated vehicles. It is not like the old day when there was plenty of room in the vehicle and metal to attach radios to, and running power was a simple matter. Jeff has learned how to improvise and even engineer and fabricate special pieces to help in installing radios in today's automobiles. Plastic in cars and lack of space is not the amateur radio operator's friend.

I have a challenge to issue to all our members. Al, N3JB is stepping down as our program manager. Al has been doing this task for several years, including dragging a screen and video projector with him to every meeting. He would like a break, so I am looking for a new program manager. Don't be shy, and Al, thank you for all you have done for the club.

Not only do we need a new program manager, we need programs. If our club is going to attract new members and keep the current members, we need to have something to share other than a meal and a meeting. I here-by issue a second challenge to all our members. How about coming up with a program on some aspect of amateur radio that you can share on our meeting night? It does not have to be long, and it is probably a good idea that the program does not run more than 30 minutes. If you have a longer program, you can do part one, part two, and so on. Amateur radio is such a broad hobby, and all of us have special interests. Some are interested high frequency communication, and working DX. Others enjoy communicating via satellite and moon bounce. Some hams stick to code, or phone, or some form of digital communications. So let's share what we know.

Next month's program will be on Echo Link. The program will be conducted by Greg, W4GRC (that's me). I use Echo Link to communicate with long-time friends in other areas of the United States and overseas. All I use is my laptop computer. I hope you will join us at our February meeting.

Last, but not least, it is time to start thinking about Field Day. Benny, N4BCC, and Greg, W4GRC are willing to serve on the Field Day committee. We need at least one more volunteer. More would be nice. This year the Field Day Chairman will be from the MARA Club. They will lead, and we will follow.

That's all there is. Keep warm, play radio when you can. Here is an idea, monitor one of the repeaters in the area. It is too quiet on the repeaters.

73, Greg, W4GRC



FROSTFEST

The Mid-Atlantic's
Largest Winter Hamfest!

All the details can be found at <http://www.frostfest.com>.



Is This You?

It is if you don't get your dues to your club Treasurer by the February meeting.





FEATURE

John Dack W7KH (SK)

1/23/21 - 1/7/13

TOP GUN
398 Confirmed

by Ken Glanzer W0LMB/K7GCO

John Dack, W7KH (previously W7GUV) is now SK at 91 from a lung condition. He was Top Gun of DXing with 398 countries to his credit. He told me his missed only three because "he had to go to work". He had a lung condition since age one as his father was a chain smoker. It also affected other family members, but his condition was unknown to me.

He started work for the Police Department repairing mobile radios in 1942 but after 5 months was drafted and assigned to a Communications Unit. He served in England, France & Germany and finally in the Pentagon advising on communication techniques in adverse conditions. He returned to the Police Department in 1946 and retired in 1973. Every police officer knew that if John fixed his radio—it stayed fixed!

When I moved to Seattle in 1956 I got acquainted with John - he was a DX leader even then. I made some aggressive antenna suggestions to him but he said "how

many countries have you worked?" That's a good question as DXer's are savvy antenna men. He was always curious about new antennas and we spent many hours discussing the latest improvements I uncovered or developed. His main antenna was a 20 meter 4 element HyGain 402B about 50' high that he used for over 40 years. He said "I don't always get them on the 1st call but I always get them." His operating techniques were good and simple using 1 KW. I climbed his tower from time to time to check it and clean the feed-point, as I have found them to be a repeated corrosion problem on many antennas with CU, SS, Al & moisture. I had front row seats at the Kingdome and Safeco Field and would take him to the games, showing him my antenna work. He picked up the food tab.

He was extremely well liked by everyone and left a great impression wherever he went and was Elmer to some. Even when he retired from the Police Department in 1973 - 40 years ago, remembered him and helped on the



A close look shows John's "390" sticker at the upper right in the picture. Other items of interest ... the lower left reads "Aug 2, 1948 No. 250" and at the lower right, above the 300-320 stickers, you can see the signature of F.E.Handy.

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The DX Magazine

Hi John: Don't know if you have this one or not. Makes the rest of us look like pikers doesn't it? This was in the days before LoTW and I believe buros. Looks like he had to send direct for every one of them. NOTE: These were by tens. My first 150 are that way also. They didn't count them by band or mode. Just by entity. I had to resubmit my first 150 all over again for CW/RTTY/SSB and band in about 2002.

73 Bob, W8HGH

More Silent Key's of note

QST Contributing Editor and ham radio humorist John G. "Jack" Troster, W6ISQ, of Atherton, California, died January 11. He was 93. Details on the ARRL web site.

SB SPCL ARL ARLX003 Retired ARRL Staff Member Walt Ireland, WB7CSL (SK) Retired ARRL Technical Relations Specialist Walter Ireland, WB7CSL, of Henderson, Nevada, died January 20. He was 76.

Ok, so it's not strictly Amateur Radio, but the ARRL thought it close enough to include a very fine article in its **January 2014 Do-it-Yourself (DIY) issue of QST** entitled "Virtual Radar from a Digital TV Dongle", by Robert Nickels, W9RAN (pp38-42). I commend this article and project to anyone who may have been thinking of trying out SDR but thought it might be too complicated or too expensive. As a bare minimum the Digital TV Dongle mentioned in the article can be used, with its associated whip antenna, right out of the box... with the software downloaded for free. I bought mine on eBay for around \$20.

The "Virtual Radar" system utilizes a GPS aircraft tracking system called Automatic Dependent Surveillance – Broadcast (ADS-B) that is being implemented in the United States by the FAA. In some respects, it is similar to amateur radio's APRS system. At some point in the not-too-distant future most aircraft will be required to employ ADS-B. The software and the SDR configuration captures and decodes ADS-B messages and then displays aircraft data superimposed on a Google Map.

Once I downloaded and installed the software, plugged in the SDR into a front panel USB socket and just set the antenna on the top of the computer tower case, I was most pleasantly surprised. By following the instructions in the article, everything started up directly and within just a few minutes I began seeing symbols for aircraft showing up on the Google Map. To the right of the map was flight data including callsign (if any), altitude, ground speed, and the aircrafts "squawking" identifier. I quickly learned that I could copy and paste

the callsign of an aircraft into a Google searchbox and learn a great deal of neat stuff about the aircraft itself and scheduled departure and arrival times if it's a scheduled airlines flight.

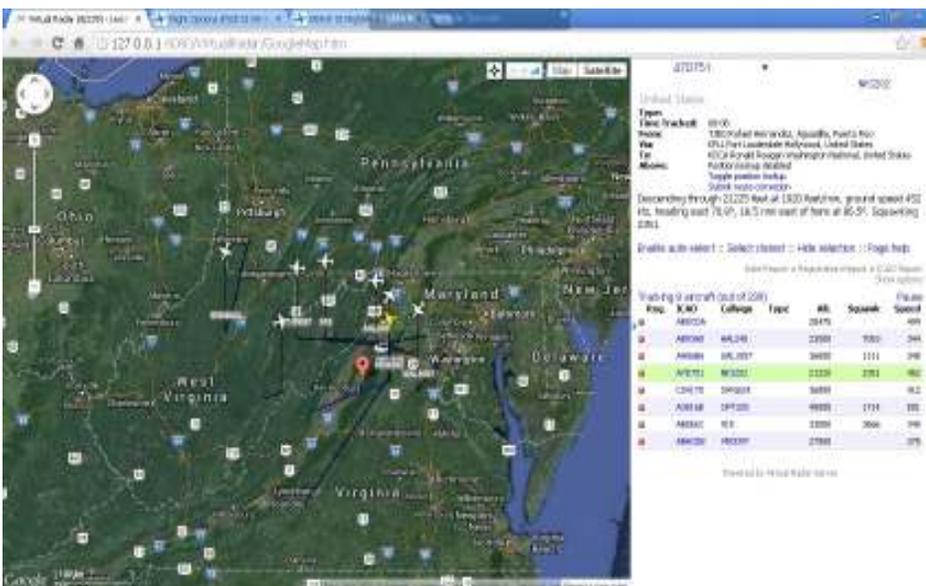
With the simple whip antenna that comes with the dongle, I was able to pickup and display typically three or four aircraft at a time at distances out to maybe 30-40 miles....and that's from inside my basement! A major portion of the QST article is dedicated to the construction of the 1.090GHz co-linear antenna housed in a structure built up from 3/4" PVC pipe. I decided that the additional gain of the antenna plus mounting it outside with a little height would probably increase the coverage area and increase the number of aircraft I could "see". Further, I wanted to avoid the signal loss to be expected at 1 GHz running a coax cable into the shack. The dongle is so small that I elected to install it at the base of the antenna in a piece of 2" PVC pipe and connect

it to the computer via a 50' USB cable with a powered buffer amplifier built in (several sources available from eBay for under \$15). The connection between antenna and the SDR is a preassembled adaptor, Type F female connector to MCX male connector via an 8" coax, also purchased on eBay. (Note: the 90° type F adaptor specified in the article, and shown in one of the pictures, wouldn't fit through the PVC "T" I had so I went without it directly to the adaptor pigtail for the MCX connector on the SDR dongle...no noticeable impact)

The accompanying photos are somewhat self-explanatory and follow pretty much those in the QST article. The cap for the 2" pipe enclo-



SDR getting started



Above: New Virtual Radar Antenna



Right: Outside 1

sure needed to be drilled and cut so the female USB connector would fit. You need to push the USB cable through the hole before installing the MCX end of the adaptor pigtail. I used clear silicone sealant to seal the bottom of the 2" PVC enclosure, the cable access hole in its top and the hole in the 3/4" cap at the base of the antenna. I couldn't find the 3/4" plug mentioned in the article so had to use a short piece of pipe and the cap. To keep the silicone from running into the cavities I stuffed each cap with a small amount of fiberglass insulation. Once the silicone cured, I assembled all the pieces as shown, installed the antenna/radio configuration outside on my deck and ran the USB cable into the shack.

Starting up the program yielded a remarkable increase in the number of aircraft I could monitor as well as increased distances and monitoring durations. I can now track aircraft from north of Baltimore, northwest into the Pitts-

burgh area, and south into the Carolinas.



Outside 2

You could not be blamed for somewhat of a "so-what?" reaction...I know I did at first. It quickly became apparent that this little dongle radio that covers from approximately 25mHz to 1.5GHz (I've seen various specs on the range) would be a fabulous tool to be applied to other tasks. One project that Mark, N4YSA and I are looking at is a scanner (<http://gizmodo.com/watch-the-watchers-with-this-diy-police-radio-scanner-1447760784>). A little research on the internet will reveal other SDR applications for this and similar devices available. Further, with the use of a general coverage HF and VHF receiver, you can also monitor Air Traffic Control (ATC) to aircraft voice communications. All in all, this is a great little project to get your feet wet in software defined radio. I look forward to trying additional applications.

Dave Firestone, K4DPF



Above: PVC Housings



Above: SDR installation

Below: Co-linear Antenna

Below: Silicone Seals



Field Day Results

Official 2013 Field Day Results: We're #3 in VA in 2A

Expanding on Neal N4XU's report on 2011 Field Day report from the November 2011 Monitor, I have included results for 2012(and 2013).

Year	Call	Class	Total Score	QSOs	Average Points per QSO	Place in class Virginia	Place in class Roanoke	Overall in Class	Total Logs All Classes	Place in All Classes
1990	N4JEG	3A	4492	1359	3.31	2		51	1829	
1991	N4YIV	2A	5302	1567	3.38			50	1835	
1992	KN4KB	2A	4842	1312	3.69	2		62	1940	
1993*	K4SAD	2A	4488	1087	4.13				2086	
1993*	N4ICT	2A	1618	482	3.36				2086	
1994	W4XD	2A	6676	2010	3.32	1	2	31	2058	
1995	W4XD	3A	6780	1770	3.83	1	1	19	2050	
1996	W4XD	2A	6964	2027	3.44	1	1	17	1928	
1997	N4XU	2A	6766	2120	3.19	1	1	20	2038	
1998	N4XU	2A	7764	2574	3.01	1	1	15	2055	
1999	N4XU	2A	6975	3004	2.32	2	2	10	2108	
2000	N4XU	2A	8398	2789	3.01	1	1	12	2043	
2001	N4XU	3A	9148	2561	3.57	1	1	9	2064	59
2002	N4XU	3A	9046	2541	3.56	1	1	12	2100	69
2003	N4XU	3A	8904	2641	3.37	1	1	10	2085	45
2004	N4XU	2A	8254	2345	3.52	1	2	22	2250	76
2005	W4XD	2A	8320	2430	3.42	1	2	21	2202	78
2006	W4XD	2A	8436	2541	3.32	1	2	20	2184	75
2007	W4XD	2A	6988	1899	3.67	1	3	34	2333	117
2008	W4XD	2A	8810	2651	3.32	2	2	16	2410	62
2009	W4XD	2A	7914	2343	3.37	2	3	27	2612	104
2010	W4XD	2A	7592	2168	3.67	2	3	20	2617	106
2011	W4XD	2A	8132	2473	3.29	2	2	27	2632	109
2012	W4XD	2A	7360	2022	3.64	2	3	28	2617	127
2013	W4XD	2A	6234	1652	3.77	3	7	35	2548	165

*Note: 1993 – K4SAD/MARA N4ICT/VARA – individual club Field Day Operation
73, David AD4TJ



Valley Hams Do Well In The 2013 NA RTTY QSO Party

The results are in. W4PJW, N5SMQ, and AD4TJ, operated this past February in the North American RTTY QSO Party. They put their efforts together under the Team name of VARA PLUS. Jeff Rinehart W4PJW came in 10th in the state in the low power category with 409 contacts and 132 multipliers for a score of 53,988 points. Butch Washer N5SMQ had 178 contacts and 78 multipliers for a score of 13,884 points, and came in 44th place out of 83 entries in Virginia in the low-power category. I was trailing these gentlemen with my 147 contacts and 64 multipliers for a score of 9,408 points, and came in 53rd place. Our combined points for the Team effort were 77,280 points, enough to put us in 33rd place out of 50 entries in the Team category.

The next NA RTTY QSO Party is this February, the 22nd, from 1 pm Saturday to 12:59 am Sunday morning. It is fairly easy to get on RTTY: if you are setup for any of the sound card modes, then you are ready for RTTY! AFSK is the easiest method of doing RTTY, but many will tell you that FSK is the best way. N1MM and MMTTY are 2 software programs that work together, and they make the RTTY contesting effort a joy to do, once you have them set up properly. Others are out there, but I have not used them, so can't say anything good or bad about them.

What is an International Reply Coupon?

As of January 27, 2013, the U.S. Postal Service no longer sells international reply coupons.

However, coupons previously sold by the U.S. Postal Service can still be used or exchanged.

The following standards apply to international reply coupons: The sender of a letter may prepay a reply by purchasing reply coupons that are sold and exchangeable for postage stamps by participating postal administrations in member countries of the Universal Postal Union.

International reply coupons (in French Coupons–Repons Internationaux) are printed in blue ink on paper that has the letters “UPU” in large characters in the watermark. The front of each coupon is printed in French. The reverse side of the coupon, which has text relating to its use, is printed in German, English, Arabic, Chinese, Spanish, and Russian (images reproduced below)

Previously Sold Coupons and Exchange Value

The following standards apply to the exchange of international reply coupons:

International reply coupons sold by the United States Postal Service prior to January 27, 2013, are exchangeable in any other member country for a stamp or stamps representing the minimum postage on an unregistered air letter. Unused U.S. Coupons (that is those with the U.S. selling price stamped on them that are not ultimately redeemed by recipients in other countries) may be exchanged only by the original purchaser for United States postage stamps at a discount of 1 cent below the purchase price.

With the exceptions noted in 381.3d, international reply coupons purchased in foreign countries are exchangeable at U.S.

Post Office facilities toward the purchase of postage stamps and embossed stamped envelopes at the current maximum First-Class Mail International 1-ounce, letter-size price, per coupon, irrespective of the country where they were purchased.

Processing Requests

The following standards apply when processing international reply coupons: Under Universal Postal Union’s regulations, participating member countries are not required to place a control stamp or postmark on the international reply coupons that they sell. Therefore, some foreign issue reply coupons which are tendered for redemption may bear the name of the issuing country (generally in French) rather than the optional control stamp or postmark. Such coupons are exchangeable for U.S. postage as specified above. A Post Office™ facility redeeming an unused U.S. coupon must postmark it in the unpostmarked circle. A Post Office facility exchanging a foreign reply coupon must postmark it. Post Office facilities must not accept foreign coupons that already bear a Postal Service postmark. The only valid version of the international reply coupons printed by the Universal Postal Union: is approximately 3.75 inches by 6 inches has a barcode on the back, and has an expiration



date of December 31, 2013.

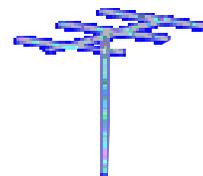
Older versions of international reply coupons (foreign or US issued) with expiration dates prior to December 31, 2013 have no value and must not be redeemed or exchanged.

Reply coupons formerly issued by the Postal Union of the Americas and Spain are no longer valid. These coupons are printed in green ink and bear the caption Cupon Respuesta America–Español. Customers possessing any of these coupons should return them to their correspondents in the country of issue for redemption through the selling post office.

[More information can be obtained at the USPS web site.]
[ED: emphasis mine]

Don't forget to renew your club membership!

Use the renewal form on the last page of the *Monitor* this month to send in your dues!



This may have been posted before. If not and you are a WAS or DXCC hunter check these out.

<http://www.hornucopia.com/contestcal/weeklycont.php> Shows all contests for any current 8 day period for 2014. Gives info on all of them.

<http://qsoparty.eqth.net/> State & Province QSO Party Calendar for 2014

<http://www.ik3qar.it/manager/> QSL manager lookup. Sometimes QRZ.com may not have the info. Additional info is sometimes found on this website.

<http://www.ng3k.com/Misc/adxo.html> Announced Dx Operations. gives, DXXX Entity, Call, QSL via, info etc.

Bob W8HGH

4S - Peter, DC0KK will be active again as **4S7KKG from Sri Lanka (AS-003)** from **17 November to 15 April 2014**. He will operate mainly CW and digital modes. **QSL via DC0KK**, direct or bureau. Logsearch on Club Log.

FK - **FK8RO** is the callsign issued to Freddy, F5IRO for his activity from **New Caledonia** [425DXN 1173]. He will remain there through **February 2014**. QSL via F5IRO, direct or bureau. Freddy, along with FK8DD and FK8IK, will participate in the CQ WW DX CW Contest as TX8B (QSL via FK8DD).

JD1 **MINAMI TORISHIMA**. Take, JG8NQJ, will once again be active as JG8NQJ/JD1 from Marcus Island in the Minami Torishima (**OC-073**, JCG 10007) group **between December 16th and March 18th (2014)**. He is usually there to work on the island's weather station. Activity will be limited to his spare time. He will be mainly on 17 meters but also on 15/12/10 meters CW. **QSL via JA8CJY**, by the Bureau or direct to: Susumu 'Sin' Sanada, 5-17, 5-4, Shin-Ei, Toyohira, Sapporo 004, Japan. Online log is available at:

<http://dx.qsl.net/cgi-bin/logform.cgi?jd1-jg8nqj>

JW **SVALBARD**. Erik, LA2US, will once again be active as **JW2US** on Bear Island (EU-027) for a 6 months period between **December 2013 through May 2014**. He states, "Again, this is not a Dxpediton - I'll be on the air as time and work schedule permit. Last time I worked 80% SSB - this time I'll mostly work CW. Contact confirmation will be uploaded to eQSL and LoTW. QSL via Bureau will be answered after June 2014." Equipment is a FTDX5000MP into a Carolina Windom 80-10m antenna.

9L **SIERRA LEONE**. Ivo, 9A3A, is now active as **9L1A** from Sierra Leone for at least **until February**, but he informs OPDX "most likely I will extend my stay until end of **May 2014**". Activity will be **mainly CW, some SSB**, on 40-10 meters with wire verticals mounted on a Spiderbeam pole, but he will try to install a 5 band Spiderbeam if Ivo can find a suitable position and mast. His rig is a K3 plus RM 300w amplifier. QSL via 9A2AA.

9M2 **WESTERN MALAYSIA**, Rich, PA0RRS will be QRV as **9M2MRS** from Pinang, IOTA AS-015, to **February 23**. Activity will be on 40 to 10 meters using CW, RTTY and PSK. QSL to home call.

CN - Ruggero, IK2PZC will be active as **5C2P** from Morocco on **6-9 February**. He will operate SSB and RTTY on the HF bands, and will participate in the **CQ WPX RTTY** Contest (8-9 February). QSL via

home call. [TNX NG3K]

CX - Radiogrupo Sur (<http://rgs30.radiogruposur.org>) founded in 1984, will use CW30A and CV3D **during 2014** to celebrate their 30th anniversary. QSL direct to CX2ABC.

F - Francois F8DVD will be active as **TM11AAW** between 1 and 23 February, including the 11th Antarctic Activity Week (17-23 February). He will operate on 40-10 metres mostly SSB from his home QTH in Macon, France. QSL via home call, direct or bureau, and logsearch on Club Log. [TNX F8DVD]

VK - **Andy, VK5MAV** will be active as **VK5MAV/p** from **Kangaroo Island (OC-139)** on 3-10 February. He will operate holiday style on 40, 20, 15 and 10 metres, mainly CW. QSL via home call, logsearch and OQRS on Club Log. [TNX rsgbiota.org]

LA **NORWAY** During all of 2014, **Norwegian LA stations** may use the **LI prefix and LB stations may use the LJ prefix** in celebration of 200 years of the Norwegian Constitution. In addition, special event station LM1814 will be active as part of the celebration. QSL via LA2G.

LZ, Bulgaria: The **Radio Club Blagovestnik** continues to honour one Bulgarian saint each month with the following calls in 2014:

LZ1375PRB	January	LZ1950SAS	February
LZ1246SIT	March	LZ1808SNS	April
LZ1555WNS	May	LZ1816PAS	June
LZ1810PPW	July	LZ1680MTS	August
LZ37MP	September	LZ1375IKA	October
LZ1164SIM	November	LZ1784SMH	December

All QSOs count towards the awards "All Bulgarian Saints - 2014" and "St. Teodosii Tyrnovski". QSLs via bureau, LoTW.

OC-033. Freddy, F5IRO, will be active as **FK/F5IRO/p** from **Mare Island** sometime during the **second week in February**. Activity will be on 40-10 meters CW only. QSL via F5IRO, by the REF Bureau or direct. For updates, visit Freddy's Blog page at: <http://j28ro.blogspot.com>

SA-055. **Carlos, LU8DCH**, will be active as **LU8DCH/D** from Martin Garcia Island between **February 21-23rd**. Activity will be on the HF bands. QSL via his home callsign direct.

NP2, U.S. VIRGIN ISLANDS. Yuriy, N2TTA, will once again be active from here as NP2P during the ARRL DX CW Contest (**February 15-16th**) as a Single-Op/All-Band/Low-Power entry. QSL via LoTW.

This month's bulletin was made possible with information provided by NC1L, QRZ DX, the Weekly DX, the OPDX Bulletin, 425 DX News, The Daily DX, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

QSL INFO AND NEWS... QSL-INFO from DBoSDX (January 12th)

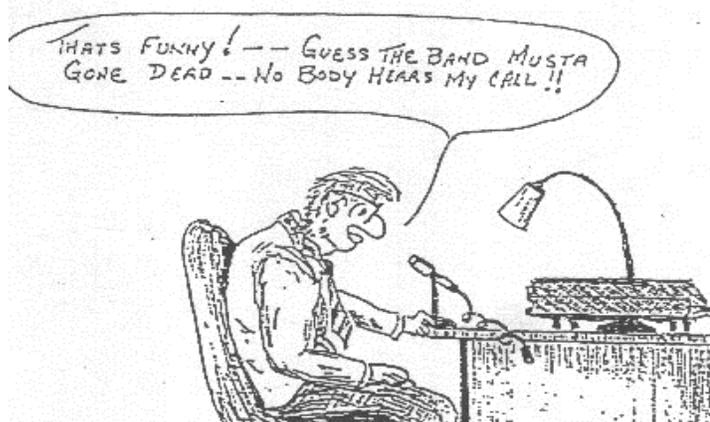
3Z120SMK via SP9BRP	LI5TFA via LA5TFA	SN22BWOSP via SQ4O	7S400K via SM7BHM
OD5ZZ via NI5DX (d)	T6ZG via ON6ZG	9V1YC via W5UE	OU5U via OZ3FD
T88SM via JA6EGL (d)	A61CK via IZ8CLM	PH65PH via PA7HPH	TF1AM via TF3MHN
AU2MQT via VU2NRO	PJ2/SM4KYN via SM4KYN	TF1IRA via TF3MHN	C37SBX via C37AC
PJ4DX via MOURX	TF3HQ via TF3MHN	CE2SQE via EA5KB	PU2RIO/PT8 via PU2RIOT-
F3IRA via TF3MHN	CT9/OK4MM via OK4MM	R11ALS via UA3RF	TF3W via TF3MHN
DQ25GRENZE via DJ7AO (B/d/L)	R22BIA via UA9LP	TF8IRA via TF3MHN	EA8/DJ7SR via DJ7SR
R22SKE via R9AB	TM5AXG via F8KGN	EA9/EC7DZZ via EC7DZZ	RA22XF via R8XF
YS1/NP3J via EA5GL	EK3GM via IK2QPR (d/B)	RL22GM via RT5G	ZT1T via ZS1AFS
EO90WF via US5WE	RM22AC via UA3AC	HC4/AL4Q via DJ8QP	RM22MM via R3AA
HI8/RU4LG via RU4LG	RO22AA via RM7C	HK1T via EA5KB	RZ22WW via UA0WW
HS0ZIQ via ZB2JK (d)	SB2014ECC via SK2AT	HS0ZKG via F6AXX (B/d)	SI2014ECC via SK2AT
KH7Y via EA5GL			SN0GKR via SP3PGR

(e) eQSL only (d) direct only (B) Bureau only (L) LoTW only

Special Call Signs for Sochi Olympics



UA - About 160 special callsigns (R2014x, R2014xx, R22xxx, R22xx, R11xxx, Rx22xxx, Rx11xx, R0000x, R7378TM, R7975TM, R7979TM) will be in use until **31 March** [425DXN 1178] to celebrate the **XXII Olympic Winter Games and the XI Paralympic Winter Games** to be held in Sochi. See <http://ok2014.ru/> for further information, including log search and details on various awards.



Upcoming DXpeditions

Jan-Feb 2014	FT5ZM: Amsterdam Island (AF-002)
till 03/Feb/2014	9M2MRS: Penang Island (AS-015)
till 01/Mar/2014	FK8RO: New Caledonia (OC-032)
till Mar 2014	RI1ANR: Novo Runway, Antarctica
till Aug 2014	ZD9G: Gough Island (AF-030)
till 31/Oct/2014	ZM90DX: special call sign (New Zealand)
till Dec 2014	5Z4/LA4GHA: Kenya
till Dec 2014	6O0LA: Somalia
till Feb 2015	RI1ANT: Mirny Station, Antarctica
till 01/Feb/2015	RI1ANC: Vostok Station, Antarctica

Z8 South Sudan: Owing to the ongoing violent conflict in the country Dima, **Z81D**, has dismantled his station and put everything into safe storage.

EA. SPAIN, Beginning **January 1**, Spanish stations have limited use of 60 meters for six months. The allowable frequencies are 5268, 5295, 5313, 5382, 5430 and 5439 kHz.



**...And Another
Reminder:
Club Dues are Now
Due!**

DXCC NEWS ---> ZD9KX (Tristan Da Cunha & Gough Is, 2012 and 2103 operations) has been approved for DXCC credit. [TNX NC1L]

W - Celebrating the ARRL's centennial year, the Maxim Memorial Station in Newington (W1AW) will also use the callsign W100AW during 2014. When used from regional Centennial conventions and during the IARU HF Championship, W100AW will have portable designators as appropriate. Contacts with W100AW will be worth 100 points in the ARRL Centennial QSO Party.

ARRL CENTENNIAL QSO PARTY ---> In conjunction with the 100th anniversary of the ARRL, the **ARRL Centennial QSO Party** is a year-long operating event (**from 00.00 UTC on 1 January through 23.59 UTC on 31 December 2014**) in which participants can accumulate points (all ARRL members and appointees, elected officials, HQ staff and W1AW are worth points) and earn awards. W1AW will be on the air from every state (at least twice) and most US territories, and it will be easy to work WAS solely by contacting W1AW portable operations. Complete information can be found at www.arrl.org/centennial-qso-party.



Minutes of the MARA Meeting of January 2nd, 2014

Meeting Called to Order at 7:30 PM by President **Gerald Nauman, KN4FM**.

The meeting was at the Wood Grill .

Attendance: A total of 12 people attended. There were 2 guests. Introductions were made all around. The weather conditions were snowy and road conditions were suspected as the reason for limited attendance.

New Members: The second reading for **Caren Scott, KG4IFR** was done and the vote was taken and she was elected to membership.

A first reading was done for **KC4SSS , Barry May**.

Secretary Minutes: Approved as printed in the January 2014 issue of The Monitor.

Treasurer Report: Approved as printed in the January 2014 issue of The Monitor.

Reports by Committees

VE Committee: None

Public Service: None

Repeaters: 440 Bob VanFossen, Working well.

145.130 Dave Fordham Working great

The control link to Massanutten Peak now working after several trip up a road that needs repair.

147.315 Now up and running fine

Old Business: MARA club dues have been due. According to our By-Laws if they are not paid by the February meeting, the by-laws may require a member to re-apply for membership.

New Business: Several Hams have items for sale N4WDC Dave Collins has a free-standing tower and KE4FM, Bill Jones has a Kenwood 450 and MC60 Mic

The Field Day Committee will be announced next month.

The audit committee will be **Rick Adams, KJ4IND** and **David Fordham, KD9LA**

Announcements: The Richmond Frost Fest Ham gathering is the 1st Saturday of February.

Motion to Adjourn: Seconded, passed.

Due to low attendance , the 50-50 drawing was not conducted.

Program: **K4LXG, Ellsworth Neff** was unable to present the program but will present it at a later date.

Respectfully submitted,

Dennis Phillips, MARA Secretary



There's an old saying, "If Momma ain't happy, nobody's happy."
Be sure to thank that special someone in your life who allows you to "play"
on the radio. Beat the rush. Take your valentine to dinner and rack up a few
brownie points.

Minutes of the VARA Meeting of January 7th, 2014



The **Valley Amateur Radio Association** held its 1st meeting of 2014 at the Country Cooking restaurant in Staunton on January 7th. The meeting was opened at 6:59 pm by our newly-elected president Greg Czerniak, W4GRC. 25 members and guests were present and introduced themselves. The 50/50 drawing winner was David Tanks AD4TJ; he won \$15.50.

Secretary's report: Secretary David read the minutes of the December Christmas Banquet, and made a motion that the minutes be approved as printed in the newsletter; seconded and passed.

ARES Report: David, AD4TJ, EC: The next net will be on Thursday January 9th at 8 pm on the 146.850 repeater, with himself being Net Control. David made a motion that we accept the offer of Augusta Health of UHF equipment they would like to donate to the club or to someone who could put it to good use: 2 UHF repeaters, and several HTs and mobile units. Motion was seconded and passed. We will look the equipment over and then decide if we would want to keep it or sell it, etc. Dan Hale KC8TEN volunteered to store the equipment in a heated area of his.

Treasurer's report: New Treasurer **Wayne Bowyer N4EYZ**, gave the report, seconded and passed.

Upcoming events: Bike Festival: MARA did get the check from VARA for their participation in the event.

Field Day: It is MARA's turn at the chairmanship of the Field Day committee. Greg asked for volunteers for the committee, and the following agreed: **Bennie Cook N4BCC, Wayne N4EYZ, and Greg W4GRC**. Any one is allowed/encouraged to attend their meetings.

VARA September Picnic: the shelter has been reserved for the **1st Saturday in September**.

Greg said that he is willing to give a talk at the local schools to promote Amateur Radio. **Gordon Batey, WA4FJC** contacted the Augusta County Parks and Recreation about giving a class but has not heard back from them yet.

New business: Storage area? Jeff Rinehart W4PJW said that the equipment can continue to stay at his place for now.

The application of **Sam Gamble, K4RTE** was read the 2nd time, and he was voted in as a new member, with a free membership for 1 year. Congratulations, Sam!

The 1st reading of the membership application of Josh **Johnson, KK4WBW** was done, noting that he will get a year's free membership under the new rule of giving a free membership to anyone who is recently licensed in Augusta County or who has recently upgraded and are not a member currently.

The meeting was adjourned at 7:24 pm.

Jeff gave a program on supplying power to your mobile radio installation.

Respectfully submitted,

David Tanks, AD4TJ, VARA Secretary

MARA Treasurer's Report

December 21, 2013 – January 20, 2014

	Beginning Balance December 20, 2013 (Last Report)	\$ 3,255.42
Add:	New Member (1)	12.00
	Membership Renewals (17)	<u>204.00</u>
	Total Deposits	\$ 216.00
Less:	MARA Storage 2014	\$ -360.00
	Service Award Plaques	-80.00
	Communication Site Lease Fee	-114.17
	SVEC (December)	-23.14
	Bank Fee (December)	<u>-2.00</u>
	Total Disbursements	\$ <u>-579.31</u>
	Ending Balance as of January 20, 2014	\$ 2,892.11



Submitted by **Sheryl Tonini, KJ4DOC, MARA Treasurer**

PVARC Meeting Summary – January 3, 2014

The **Page Valley Amateur Radio Club** held its monthly business meeting in the **Page County EOC Training Room** in Luray on this date.

The meeting was called to order at 1830 by **Bob Forrest/WO4MI**, President. The principal purpose of the meeting was to conduct an election for a vacant position on the PVARC Board of Directors for a two (2) year term. 14 of 26 members were in attendance, constituting a quorum and the President announced that an election would be held later in the meeting. He also announced that **Gary/K6OZ** would be making a presentation on Frequency Synthesizers following the business meeting.



Two visiting hams were introduced: **Ellsworth Neff/K4LXG**, the ARRL - Virginia Section Emergency Coordinator, and **Rodney Good/K4DOD** were introduced and made welcome.

Announcements: **Sparky/KD4KL** announced that he, and XYL **Carol/KA4LAF**, were in the process of downsizing in preparation for a move to a retirement community in the near future. Having accumulated the usual hoard of parts, tubes, test equipment, “boat anchors” and other “goodies” over the past 50+ years they are opening up their basement and garage to any PVARC member wishing to augment their own holdings. Everything must go, lots of “freebies;” and, other items for just pennies on the dollar! Any money received will be split 50/50 with half going to the club coffers.

Secretary & Treasurers Reports: The Secretary reported the minutes of last month's meeting were printed in The Monitor. A motion was made to approve them as printed. The motion was seconded and passed unanimously.

Carol/KA4LAF, the PVARC Treasurer, reported the PVARC checking account at the end of December totaled: \$1,385.56, up \$123.00 from last month with money received to date for 2014 dues (not including those paid this evening). The motion to approve the report was made, seconded and passed unanimously.

In an effort to make time for the Technical Program, **Bob/WO4MI** asked if there were any abbreviated committee reports.

Program Committee: Chair - **Zory/KB3VQC** expressed his delight in the technical presentations made last month by **Brian/W5YQ** on basics of antenna modeling using EZ-NEC; and, this month by **Gary/K6OZ** on designing frequency synthesizers. However, responding to the perceived needs of some of our newer hams, he suggested that we might also consider future programs discussing amateur radio operations in general. Good operating practices on repeaters or in a net control environment. Perhaps describing common protocols to use when Dx'ing or how and when to work “split” frequency. Because many new hams enter ham radio with the Technician Class license and work

primarily on 2m and/or 440 MHz they are not familiar with operation in the HF spectrum. Programs like this may encourage them to upgrade their licenses and increase their enjoyment of the hobby. The general consensus was that programs as described would be beneficial. Zory will be looking for ideas and presenters.

Bob/WO4MI noted that we're still looking for a volunteer to chair the Emergency Preparedness Committee; and, the associated EOC Training Subcommittee. Also, he believes we might want to appoint someone as PVARC Property Custodian since we're beginning to acquire property & equipment, such as the lap-top computer and donated equipment for field day and/or emergency use. Following a discussion, **Morgan/K4RHD** volunteered to act in that capacity.

OLD BUSINESS: Election for the position on PVARC Board of Directors. **Morgan/K4RHD** is up for re-election for a 2-year term this month. The President called for nominations from the floor. **Mark/N4YSA** nominated **John Spillman/KT4CB** who agreed to run. At this juncture, **Morgan/K4RHD** asked that his name be removed from the ballot in support of the nomination, citing his willingness to continue serving the club by chairing or participating in several other committees and subcommittees. Given that the incumbent had stepped aside, and no further nominations were received from the floor it was determined that a vote by ballot was not necessary. Hearing no further nominations the President called for a vote by a show of hands to elect **John/KT4CB** to the PVARC Board of Directors. The vote being unanimous carried and John was elected.

NEW BUSINESS: There was no new business.

Before turning over the podium to **Gary/K6OZ** for his program, **Bob/WO4MI** invited Ellsworth Neff (ARRL VA/SEC) to address the membership. Ellsworth opened his remarks by announcing the appointment of **Mark Hensley/N4YSA** (PVARC's own VP) as ARRL Emergency Coordinator for Page County! (Thunderous applause!) He noted that some of his best activity reports have been from the Page County EC and was assured that this would not change. He spoke to the need to update the ARES/RACES database asking that members make sure their entry was current. He emphasized the importance of supporting and using the local repeater systems – they represent one of our greatest assets in emergencies. Know how they work, what areas they cover and what to do when or if they fail. Have a Plan B! Ellsworth concluded by wishing us all, on behalf of the ARRL Headquarters staff a very Happy New Year!



Bob/WO4MI then called for a motion to adjourn @ 1915, turning the podium over to **Gary/K6OZ** for his presentation on frequency synthesizers.

Submitted by: Sparky Terry/KD4KL, PVARC Secretary

How Long Has It Been Since You Checked Into One of the Nets?

Don't forget: The local **ARES** groups hold regular nets to let you check out your radio equipment, antennas, and other station gear. Take advantage of these opportunities to get signal reports and get to know the other local hams.

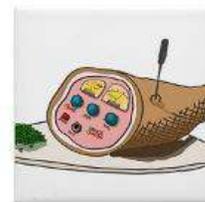
Emergency Preparedness

In the event of a disaster/emergency/severe weather, if **Page County ARES** members and all amateur radio operators in the Page County area could use the **146.625-KQ4D** repeater as primary emergency communication, in the event that the **146.625 machine** should be off of the air, use the **146.670-W4GSB**, in the event both machines are down use **146.625 simplex *not reverse, but simplex***. The next frequency to use would be **146.55 simplex**. Once initial communication has been established the primary operation frequency will be decided.

If in the event of power loss and/or you need to conserve power, try to concentrate your efforts to establish communications to the top of the hour.

If all amateur radio operators in the Page County area would program their equipment to this group of frequencies it will make the notifications of an emergency faster and more efficient.

Thank You, Mark-N4YSA



Ham Radio—mmm
mmm good.

The NVTN (Northern Virginia Traffic Net)

The NVTN (Northern Virginia Traffic Net) meets daily on 147.300 repeater at 7:30 PM. This is also a training net for traffic handling. A copy of the form for traffic handling is displayed below. Come and enjoy the fun. All hams are welcome! For more information, go to our website: <http://www.nvtm.net/>



VE Test Schedule: Sorry, we don't test for Canada!

The Volunteer Sessions are held the second Saturday of each even month.



The next Volunteer Examiner Session is scheduled for **Saturday, February 8th**, at the Woodmen of the World building on Highway 42 (John Wayland Highway) just north of Dayton, Virginia. Sign-in starts at 9:00 am, followed immediately by testing. If you are an accredited VE and would like to help, contact Gayle Shull, KU4XN, at gshu74@gmail.net

Gayle Shull, KU4XN



Do You Remember These?

Old Magazine Covers

For all of you "radiotricians" out there.

These are from the age when a man was a man and radio was a radio, and would hurt like hell if it landed on your foot!

Here is a link to view more covers: http://www.w1ujr.net/radio_art.htm

There may be a few of us that are old enough to remember these. I was kicking the slats out of my cradle when these magazines were published.

Bob W8HGH



Background

I live in a retirement community and the inevitable call came yesterday. "Have you been on the radio today?" I said no and tried to find out what the alleged interference was to no avail. The reply was vague. Overnight I learned that the internet was slow Sunday and Monday. That was when I found out that slow computers were the problem and the caller wanted to find out if my equipment caused the slowdown. I suggested in a reply today that it was very cold on Sunday and Monday. America's kids are cooped up inside and were probably jamming up the internet. (During the time in question I did not have any problem with slow computers at this QTH.)



to show the caller if he comes to visit.

I have been interference free for the three years and have lived in this community. This was my first complaint. Since I have nothing to hide, over the years, I have invited interested parties several times to see the shack setup and nobody has showed up.

When and if interested parties visit your shack I would suggest the following:

- 1) Have a third disinterested party of your choice there as a witness when you show off the shack.
- 2) Show your license from the FCC and state that they have full control over your operation.
- 3) Point out that you are not a CBER as many CBERs operate illegally and are not licensed.

4) Show them that your shack is interference free. Demonstrate the radio equipment with a TV running in the shack.

5) Point out Section 15.19 of the FCC regulations regarding acceptable interference. If you have an appliance with 15.19 printed on it this helps. Otherwise show the instruction manual that came with the appliance. Point out that part 15.19 applies to almost every electronic device in your house but does NOT apply to your transmitter.

6) Point out that if you are free from interference today in all likelihood you are free into the future. This may help you not get calls every time somebody sees a problem.

Good luck and good DX
Bob, W8HGH

A few suggestions:

Determine what the alleged problem is and don't stop until the individual tells you exactly what is wrong. Be aware that the individual is possibly lacking in knowledge concerning diagnosis of interference problems.

Tell the individual your shack is interference free. Point out to him that you can run your computer and your XCVR at the same time with no interference to the computer or any other device in your house.

Keep up to date QSO logs so you can tell/show a caller exactly when you were on the air. Have copies

Don't forget to renew your club membership!

Use the renewal form on the last page of the Monitor this month to send in your dues!

February

- 1—**Richmond Frostfest**
 1—VT, MN, BC QSO Party
 1-3—DE QSO party
 2—**Page Cty ARES Net (147.550 Simplex)**
 3—**Rockingham Cty ARES Net [K4LXG]**
 4—VARA Club Meeting
 6—MARA Club Meeting
 7—PVARC Club Meeting
 7—Luncheon Meeting
 8—VE Testing
 8-9 —CQ WPX RTTY Contest, NH QSO Party
 9—**Page Cty ARES Net (146.670-114.8 pl)**
 10—**Rockingham Cty ARES Net [WF4O]**
 10-14—School Club Roundup
 12—Lincoln's Birthday
 13—**Augusta County ARES Net**
 14—Luncheon Meeting
 14—Valentine's Day
 15-16—ARRL CW DX Contest 
 16—**Page Cty ARES Net (146.625-131.8 pl)**
 17—President's Day
 17—**Rockingham Cty ARES Net [K4RMY]**
 20—**Deadline for March submissions***
 21—Luncheon Meeting
 21-23—CQ WW SSB 160M Contest
 22—Washington's Birthday
 23-24—NC QSO Party
 23—**Page Cty ARES Net (146.670-114.8 pl)**
 24—**Rockingham Cty ARES Net [K4RBZ]**
 28—Luncheon Meeting



March

- 2—**Page Cty ARES Net (147.550 Simplex)**
 3—**Rockingham Cty ARES Net [K4NRA]**
 4—AGCW YL-CW Party 
 4—VARA Club Meeting
 6—MARA Club Meeting
 7—PVARC Club Meeting
 7—Luncheon Meeting
 8-9—ID QSO Party
 9-10—WI QSO Party
 9—**Page Cty ARES Net (146.670-114.8 pl)**
 10—**Rockingham Cty ARES Net [KN4FM]**
 13—**Augusta Cty ARES Net**
 14—Luncheon Meeting
 15-16—VA QSO Party
 16—**Page Cty ARES Net (146.625-131.8 pl)**
 17—St. Patrick's Day
 17—**Rockingham Cty ARES Net [KA4EEN]**
 20—**Deadline for April submissions***
 21—Luncheon Meeting
 22-23—LA, OK QSO Party
 23—**Page Cty ARES Net (146.670-114.8 pl)**
 23-24—AK, WI QSO Party
 24—**Rockingham Cty ARES Net [WF4O]**
 28—Luncheon Meeting
 29-30—CQ WW WPX Contest, SSB
 30—**Page Cty ARES Net (146.625-131.8 pl)**
 31—**Rockingham Cty ARES Net [K4LXG]**



The first **Rockingham County ARES** net of each month meets on 145.55 simplex, The rest meet on the 147.225 repeater, at 8PM local time.

The first **Page County ARES** net of each month meets on 147.550 simplex, the remaining alternate between (2nd & 4th Sundays) on 146.670 repeater and (3rd & 5th Sundays) on the 146.625 repeater all at 8:00PM local time.

The **Augusta County ARE Net** meets the second Thursday of each month at 8:00 p.m. local time, usually on the 146.850 repeater (PL 131.8).

The **NVTN (Northern Virginia Traffic Net)** meets daily on 147.300 repeater at 7:30 PM. This is also a training net for traffic handling.

The club newsletter, *the Monitor*, is provided free of charge monthly to all members of all three clubs via email distribution, in PDF format. However, it is the individual club members' responsibility to notify the newsletter editor directly of all changes in email address. Electronic back issues will be provided free to members on request.

Elderly, disabled, or special-needs members may make special arrangements with their respective club officers to receive a hardcopy of the Monitor via U.S. mail in lieu of the electronic PDF version. However, the hardcopy requires additional production and delivery time and is not guaranteed to arrive before the scheduled monthly club meeting dates.

Members not receiving the electronic Monitor in a timely fashion (e.g., before their monthly club meeting) should notify the newsletter editor promptly to investigate and resolve the problem with distribution.

Members who are using the latest update version of Adobe Reader and experience trouble opening the Monitor email attachment can contact the newsletter editor for assistance.

MASSANUTTEN AMATEUR RADIO ASSOCIATION, Inc.

President: Gerald Nauman, KN4FM
 Vice President: Gerry Brunk, KB4RBZ
 Secretary: Dennis Phillips, NS4K
 Treasurer: Sheryl Tonini, KJ4DOC
 Board (exp 2014): Andrew Pearson, N4RCE
 Board (exp 2015): David Fordham, KD9LA

<http://mara.ws>

MARA meets the first Thursday of each month
 at Wood Grill Buffet on Reservoir Street
 in Harrisonburg, Virginia.

Dinner begins at 6:30 pm,
 the business meeting begins at 7:30 pm

Visitors are always welcome.

Dues (\$12 per year) should be mailed to:

MARA
 PO Box 1882
 Harrisonburg, VA 22801

VALLEY AMATEUR RADIO ASSOCIATION

President: Greg Czerniak, W4GRC
 Vice President: Jeff Rinehart, W4PJW
 Secretary: David Tanks, AD4TJ
 Treasurer: Wayne Bowyer, N4EYZ
 Program Manager: Al Bonck N3JB

<http://w4xd.com>

VARA meets the first Tuesday of each month
 at the Country Cookin on Richmond Road in Staunton,
 Virginia

Dinner starts at 6:00 pm,
 the business meeting starts at 7:00 pm

Visitors are always welcome

Dues (\$15 per year) should be mailed to:

VARA, Wayne Bowyer
 802-B Randolph St.
 Staunton, VA 22401

PAGE VALLEY AMATEUR RADIO CLUB

President: Bob Forrest, W04MI
 Vice President: Mark Hensley N4YSA
 Secretary: Mike "Sparky" Terry, KD4KL
 Treasurer: Carol Terry, KA4LAF
 Board Member: John Spillman, KT4CB
 Board Member: Geoffrey Phillips, WD4LYO

<http://www.k4pmh.org>

PVARC meets the first Friday of each month: at
 the Page County Sheriff's Department in Luray
 The meeting begins at 18:30 pm

Visitors are always welcome.

Dues (\$12 per year) should be mailed to:

Sparky Terry
 PO Box 649
 Luray VA 22835-0649

The Monitor is published monthly by MARA, Inc.
 for members of the three amateur radio clubs
 in the Central Shenandoah Valley.

Distribution is in Adobe PDF format via email attachment
 to all club members in good standing.

Clubs differ in their policies regarding paper copies.
 Contact the president of your respective club
 for information on paper copies.

Back issues are freely available on the MARA website
 starting a few months after publication.

Since the clubs derive their revenue from memberships,
 the Monitor is not to be made regularly available on a
 timely basis to individuals who are not club members.
 Occasional complimentary current copies are
 provided to prospective members free of charge.

Clubs may also formally decide to provide complimentary copies
 at club expense to various constituencies.
 Contact your respective club officers for more information.

Articles in the Monitor may be quoted with attribution.
 Being a publication of an IRS 501(c)3 educational organization,
 the Monitor may occasionally use copyrighted material under the
 Fair Use Provisions of copyright law.

Copyright notices must be respected.

Membership Renewal Form

NAME: _____ CALLSIGN: _____ CLASS: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

HOME PHONE: _____ WORK PHONE: _____

CELL PHONE (If you want it in club records for emergency purposes, not the roster!): _____

EMAIL ADDRESS: (print legibly!!) _____

MEMBER ARRL (Y/N) _____ REGISTERED ARES (Y/N) _____ SKYWARN ID: _____

Are you available for Workday Daytime Emergency Call up? (Y/N) _____

Do you want to receive the Monitor via PDF Email? **Yes/No/I already do** _____

If yes, forward your email address to the editor at the email address on the back of the newsletter. Specify in the subject line: Please add me to the Monitor Mailing list

Make sure the editor has your current email address to avoid interruption of your copy of the Monitor.

MARA members mail with \$12 to: MARA, PO Box 1882, Harrisonburg, VA 22801

VARA members mail with \$15 to: VARA, Wayne Bowyer N4EYZ, 802B Randolph St., Staunton, VA 24401

PVARC members mail with \$12 to: Carol Terry, PO Box 649, Luray, VA 22835



This is your last reminder. This form will not appear in next month's Monitor.

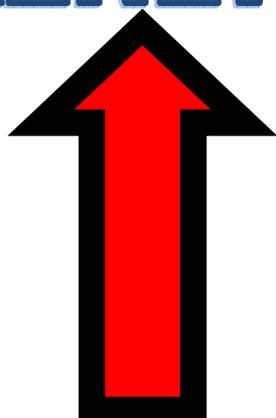
Members not renewing by the end of the February meeting will be dropped from the mailing list, and may experience significant delays in being restored to the list once dues have been paid. Don't let this happen to you. Renew now.



RENEW

RENEW

RENEW



RENEW YOUR CLUB MEMBERSHIP!

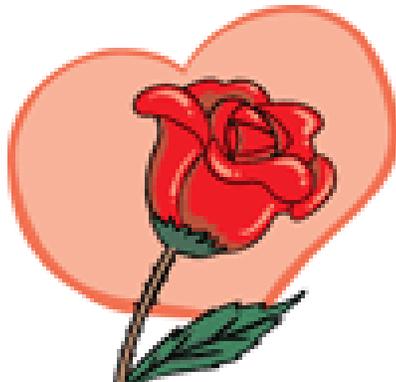
RENEW

MARA/VARA/PVARC

c/o John Spillman
168 Bosley Drive Ext.
Stanley, VA 22851

Phone: 540-778-1332
Email: kt4cbva@gmail.com

Return Service Requested



**MARA
VARA
PVARC**
