



# CHEESE BITS

W3CCX  
CLUB MEMORIAL CALL

ARRL  
Affiliated  
Club



Volume LV

July 2014

Number 7

## PREZ SEZ:

The heat of summer is upon us. It's hard to believe that the year is now half over and that the days are starting to get shorter. We are in the midst of some magnificent radio activities that I will highlight in this treatise. I sure hope you are taking advantage of the opportunities.

The June VHF Contest is behind us now, and it was a good one. We had good turnout for all portions of the event. Starting at 8 am on Friday morning the crew loaded up the 26 foot U-Haul truck and headed off to the foot of the mountain. The sandwich shop now has an inside eating place, so we ate our sandwiches at the shop then headed to the top of Big Pocono State Park. Weather slowed us down with two interruptions on Friday so we didn't get as far as usual. The evening break, due to another weather interruption, sent us to the Barley Creek Brewing Company for a great meal and fellowship.

On Saturday morning everyone was hard at work getting their jobs complete so we could start on time. **We had some new faces assisting and that was a good thing.** Most all bands worked at start up time but during the weekend we had our share of issues with a **fire** in the 432 transverter leading us to replace the 222/432 station with an FT736 running only 25 watts; not as good as desired, but better to be on the air.

This is the month of the **anniversary of the ARRL** and there is a Centennial Celebration in Hartford, CT. It has caused us to reschedule things around that activity. Join us in Hartford if you are able, it will prove to be a memorable event. Our Board meeting will take place on July 8<sup>th</sup> and the regular meeting will move to the date of the Board meeting **July 10<sup>th</sup>** where we will hold our annual White Elephant Sale at the Ben Wilson Senior Center. Come to the **White Elephant** meeting with your surplus gear and maybe even a "White Elephant" for others to bid on. As always we meet for Dinner at Giuseppe's right in front of the meeting location. We'll be quick with dinner as we want to get a 7 PM start for the Auction.

Once July is over we finally get to my favorite Contest: the ARRL August UHF Contest. This contest uses your bands above the normal 50/144 MHz by starting at 222 MHz and going up. It all happens during the first weekend of August, so be sure your UHF / microwave gear is working and get on for this event. I expect any member with gear that works above 144 to get on at least to give points to those of us who will be working the event. Every contact counts. It's also now a club event, so we will be competing as a club.

August will also host the annual Packrat Picnic as well as the first weekend of the 10GHz and up contest. Several of us are planning to travel to FN21hb (Camelback) for that event, let me know if you are interested.

Pack Rats **CHEESE BITS** is a monthly publication of the **Mt. AIRY VHF RADIO CLUB, INC.** -Abington, PA.

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222.98/224.58 MHz (PL 136.5) Hilltown, PA

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**PACKRAT BEACONS - W3CCX/B**

FM29jw Philadelphia, PA  
50.080 144.284 222.064 432.286 903.072 1296.245 MHz  
2304.043 3456.207 5763.196 10,368.062 MHz (as of 1/08)

**MONDAY NIGHT NETS**

<u>TIME</u>	<u>FREQUENCY</u>	<u>NET CONTROL</u>
7:30 PM	50.145 MHz	K3EOD FM29II WA3QPX FM29di
8:00 PM	144.150 MHz	N3ITT FN20kl
8:30 PM	222.125 MHz	KB1JEY FN20je
8:30 PM	224.58R MHz	W3GXB FN20jm
9:00 PM	432.110 MHz	WB2RVX FM29mt
9:30 PM	1296.100 MHz	K3TUF FN10we
10:00 PM	903.100 MHz	WA3SRU FN20le

Visit the Mt Airy VHF Radio Club at: [www.packratvhf.com](http://www.packratvhf.com) or  
[www.w3ccx.com](http://www.w3ccx.com)

Two major events will take place in September; be sure to get them on your calendar. First the **ARRL September VHF contest** on the second full weekend, and the last weekend of the month is when we hold our **Mid Atlantic VHF Conference**. The speaker line up is complete and registration is ready to accept your input. Please go early and sign up for the conference, it's going to be a great event.



While we are on the topic of conferences, let me mention what is in the works for 2016. We are planning a gigantic East Coast VHF Conference that will include participants from Northeast Weak Signal, Packrats and Southeast VHF Society. It will take place in the latter part of April 2016 and will be in the Herndon VA area near the Air and Space Museum, with a special event there at the Museum.

So get ready, lots of exciting events to come this year and for years to come.

Lets work on lots of bands,

**Phil, K3TUF**

# CAMELBACK JUNE 2014





....Camelback cont'd





Many thanks to EI, K3JJZ for the pix shown here

# K2LIM Contest Report

Band Q's Grids

6m	469	94
2m	338	59
222	111	40
432	139	42

-----  
TOTAL 1057 235

SCORE: 307,145

An excellent and extensive contest report can be found at <http://www.ka2lim.com/10.html>

# N3RG June Contest Results

N3RG - SOLP

	QSO	Pts	Grid
50	232	232	74
144	96	96	25
222	44	88	18
432	56	112	20
902	17	51	10
1296	25	75	11
2304	8	32	5
3456	7	28	6
<b>Total</b>	<b>485</b>	<b>714</b>	<b>1 69</b>

Score: 120,666

# W2BVH June Contest Report

FN20 Single Op HIGH pwr - NNJ Section

Band	QSOs	Grids	Points
50	45	25	1125
144	30	12	360
222	7	6	84
432	11	5	110
<b>TOTALS</b>	<b>93</b>	<b>48</b>	<b>5328</b>

Had a wedding way out on Long Island Sat afternoon. Visited Camelback on Sunday and in between I gathered up the points shown above. I also gave out around 10 Q's from the car on the trip out and back from Camelback (unlogged) as W2BVH/M - 2M SSB

# NE3I/R Contest Report

NE3I Rover Report 2014 June VHF Contest

Rover	Limited	Class
Band	Qs	Grids
50	25	14
144	19	9
223	7	3
432	11	5
L	3	1

Total Qs 65  
Grids Worked 32  
6 Grids Activated  
Points 2944

Had 16 Qs with W3CCX from 5 different Grids  
Had only 1Q Sunday afternoon from FM19  
(on 2m with W4IY).

I felt that conditions were down this contest and then discovered that the 2m Squalo outperformed the homebrew 3 band 2 element pvc framed quad. Something to check out on the September Mid Atlantic VHF Conference antenna range.

My deployment planning could also have been better. Fellow contest/rover warriors take heart. "The credit belongs to the man who is actually in the arena. Whose face is marred by dust and sweat and blood. Who spends himself in a worthy cause. Who in the end at best knows the triumph of high achievement and at worst, fails while doing greatly. So that his face shall never be among those cold and timid souls who know neither victory nor defeat."

....Theodore Roosevelt. -Apologies to Teddy if I misquoted.

73. Griff NE3I

## K1DS and K1DT at W1OP on FD

We had a trip to Sharon, MA for a reception for my nephew and his newly wedded wife that coincided with Field Day weekend. The Providence Radio Association was out as usual at Beavertail on Jamestown Island in Rhode Island, mounting a 2A operation. Once you are a member of the PRA, you are *always* a member. I became a PRA member back in the 70's when I was living in RI. The site is close to the old Naval station and lighthouse. One of the club members is the property manager there, with lots of older military surplus gear.

I sat at the 20m CW station with K1DT, Dave Tessitore as we cranked out QSOs across the US and Canada and several DX stations. We took turns operating and logging, along with W1GS, John Good. It was a beautiful day to be out in the field and a delight see so many of the PRA club members again. **73, Rick, K1DS**



to  
to

## 10 Band DXCC QRP

Hi all,

I wanted to acknowledge what is, to the best of my knowledge, a unique feat by Don Bush, WA2TPU. He has achieved DXCC (over 100 countries worked) on every ham band from 160-**6 meters**, excluding 60 meters, **running 5 watts** or less for all QSOs. He used a mix of modes, and 100% natural power (off the grid, in other words). He used a variety of transceivers.

Don was issued the only 10-band QRP DXCC certificate in the history of QRP ARCI on April 4th, 2014. (In fact he was also issued the only 8 - and 9-band QRP DXCC certificates a couple of months earlier. I'm not sure if 11 bands is even possible, but I'm sure he'd go for it

It takes a lot of persistence to pull this off. Don did it over about 30 years, using various hand-built log-periodics, Yagis, quads, delta loops,

## WA3EHD 1st Q New Band

I made my first 10 GHz contact with K1DS on Wednesday June 25. I used a DB6NT transverter, amplifier, and LNA that I got from AA2UK. I used a small feed horn as an antenna. Signals were quite strong both ways and I hope to try out the temporary arrangement in August.

**Jim WA3EHD**

...10 Band cont'd

Sterba curtains, phased verticals, rhombics, etc. I'm hoping to see his station someday.

Thanks, Don, for giving a lot of us something to aspire to!

73, Wayne N6KR

# Six Meter DX Report

18 June 2014

The six meter summer Es season is in full swing, although for stations in this area trying to work international DX it is more of a "swing and a miss". The usual single hop sporadic E has generally been on par with other years, but until today, most of the DX openings have been to South America and the Caribbean. In mid-May Argentina, Chile, Uruguay and Brazilian stations were worked throughout the US. These South American openings generally follow the vernal equinox by a few weeks.

Late May saw the first European opening from this area to the Iberian peninsula. There have been some Caribbean openings and tonight Central America is coming in. Stations I worked/heard this evening include 9Y4D, XE3ARA and 8P6NW, and YS1AG. For those who need FS the FS/W9DR DXpedition is going on. During the ARRL June VHF contest last weekend T48K (Cuba) was active from the rare grid square FL11, and worked a bunch of stations throughout the US. The usual single hop sporadic E has generally been on par with other years

For the contest Al K3TKJ, Rick AK3E, Dave N3DB and I traveled to Fort Fisher NC to activate the **rare grid square FM13**. We all left for Fort Fisher early on Friday, June 13th. We arrived about noon and set up three AB-577 "rocket launchers" and antennas next to the parking lot of the visitor's center. Although we planned to operate that day, the 500 mile trip and heat got the best of us.

On Saturday we finished setting up equipment and began operating on 6 meters, 2 meters, and 432MHz. Equipment included 1.5KW and 6M7JHV on six meters, a 600 watt Commander amp and two 9 element M2 yagis on 144MHz, and 110 watts and two 25 element K1FO yagis on 432MHz. The rigors of the contest took out the Commander and 432 MHz RF Concepts brick MHz so **by Sunday we were running barefoot on each band**. Even with only 50 watts output on 432 MHz we worked NZ3M in Elizabethtown at 485 miles and K8GP/R in FN00 for a 500+ mile contact. Two meters was similar-with the flat surroundings the range for communication is remarkable. Unfortunately stations generally don't look that way and we couldn't make enough noise to attract them.

Six was hopping most of the weekend. Although the final tally isn't in, we made about 500 contacts on that band. **Highlight on six was working W7GJ off the Moon on Monday** immediately before tear down. That put Lance within three grids of the Fred Fish Memorial Award (FFMA).

We all left for home on Monday about 10:30 am. I arrived in Lancaster about 8:00 pm and just missed the World Cup game against Ghana.

Today, June 18th, saw the best US European opening from the US. Although in this area contacts were restricted to EA, EA6, CN and CT, K1TOL worked stations in other areas including Poland (SP), Moldova (ER), Greece (SV), Ukraine (UT), Denmark (OZ), and UK (G). The opening ranged from the Midwest to Florida, and propagation shifted throughout the US.

I am still waiting for the big opening to Europe to work some new DXCC. Hopefully it will come soon.

**73, Chris W3CMP**

# The Aging Rover Report—June VHF Contest 2014

by Rick, K1DS

The Rover van is now 20 years old—the 1994 Ford E150 was purchased used about 12 years ago when it had 105,000 miles on it. As you may remember, it blew the transmission on its first outing while trying to mount the road to Camelback. Since then, I had the gas tank replaced, the brakes done, new tires, and the usual fluids maintenance. Today it has 131,000 on the odometer, all as a result of roving for the past dozen years. So it's aging, and so is the rover licensee. I am celebrating 22 years of roving.

Since I was away in January, I had loaned several pieces of gear, and I needed to collect the items and reassemble the rover. The 1296 gear was reinstalled easily, as it is modularized and so was the 903 gear, which was returned from the feed of the 28' Kennedy dish at the K2UYH QTH. I got back the LASER from WB3IGR, but I'm still looking for others. I had trouble finding my 2m rover beam when I realized that I had loaned it to K2TXB for his group 10GHz contesting last fall. We arranged to meet on a Turnpike exit 2 days before the contest and now I had all my needed roving gear.

Friday morning it **poured, and poured** some more. I headed up to Cotner's Trailers to help the gang load up the truck that was headed to the mountain. There were 8 Packrats and a guest there to help. It seemed that this load was the **fastest in many years**, as only the essential items were loaded. By the time I got back home, the rain had cleared, so it was time to set up the rover antennas.

Got done with the antenna stack by 3:30PM and sealed all the coax connections with self-vulcanizing tape, as it was about to **pour again**. Got a good night's sleep and had a leisurely breakfast, packed a lunch, and got on the road. I decided to take a more direct route to Delano, PA, which is about 44 miles to the west of Camelback. This is an FN10 grid that is line-of-sight to the mountain from one unique spot on a small back road. I checked in with Phil, K3TUF via cellphone at 1:20PM. "How are you doing on the mountain?" I asked. "We don't have the microwaves on the air yet, but they'll be ready soon," responded Phil. Ten minutes later my phone rang again and it was the microwave truck that wanted to run the bands as a test before the contest. We started on 903 and 1296 with 59+ signals and then worked through 10GHz easily on SSB. At exactly 2PM we started with our first QSO on 10GHz and then worked our way down the bands. We used CW for the 2m QSO as the W3CCX station had audio distortion issues. But crap! My 3.4GHz signal is now off the air! No way to fix this now—so we complete our run on 9 bands, then try 24GHz, but no joy. I think that our



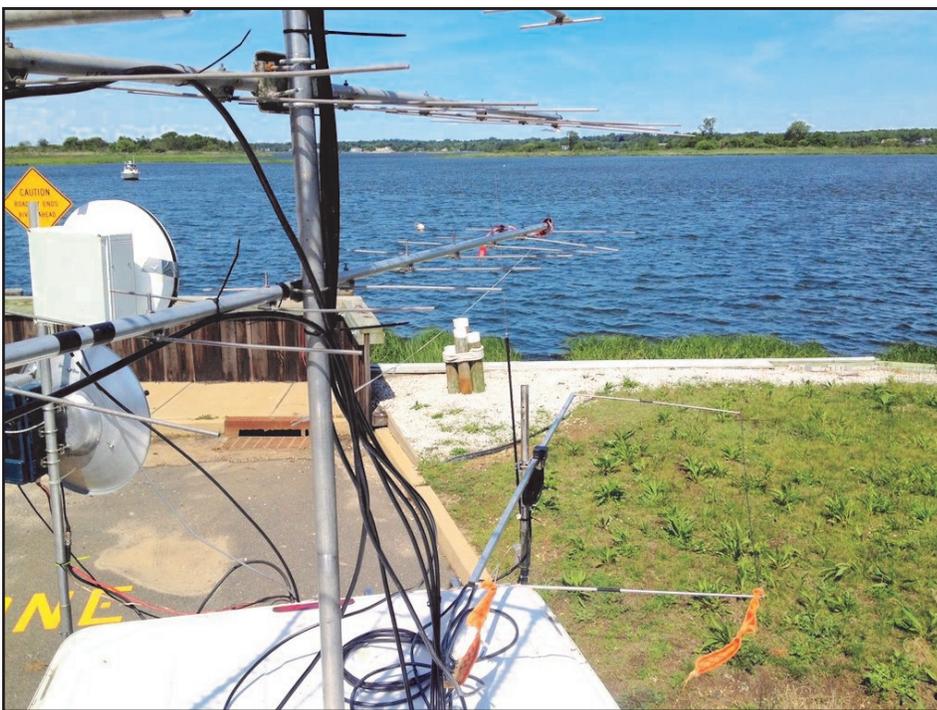
See the rise in the distance which is Camelback 44 miles LOS

frequency coordination on that band may have been the problem.

I then chalk up several more QSOs with anyone I can hear, including several bands with NN3Q/R. I then head to the truck stop off Rte 80 for some FN11 activity. This is a very noisy spot, and I worked the mountain again through 2GHz, added a few more QSOs with other stations in the area, and then stopped for chow at the Subway at the truck stop. There was a Bolt Bus there and all the passengers had disembarked to also get snacks and sandwiches, so the stop was a few more minutes than planned.

On the road again to the mountain—I arrive and park quietly and listen to all the bands—I don't hear much except for distant stations calling. I checked out the mess tent and the station trucks, found all the stations now back on the air and ran the bands, including 3G (what made it work now?) and 24G. Paul and I took notes on our frequency coordination for that band. I made my LASER QSO while there and then hustled down the mountain to get to Alamuchy Scenic Overlook in FN20 before dusk. **It always seems longer when you're anxious to get there.** I managed to pull in at about 8:30PM and then ran the bands again—this time all 11 bands did fine. I stayed there only 40 minutes as it was fully dark by then. Looking at the map, I decided to try Rte 206 to 202 to head home for the night. Not a real good plan as the road is somewhat bumpy and there were traffic lights that seemed to turn red every mile! I did make it home in 2 hrs.

Sunday morning at 7:30AM. It's Fathers' Day. It's our 45<sup>th</sup> Wedding Anniversary. I pop open a few greeting cards with a quick breakfast and head out to FN30 in Sea Bright, NJ. Just as I pull into my favorite spot, a fisherman with a Maryland license plate also pulls in and sets his lines on the inner channel. I think we're doing about the same thing—he's trying to get a fish on the line, and I'm trying to get a station on the air. First QSO with W3CCX on 2m is at 14:01 and it took 43 minutes to run all ten bands from there. The mountain reports that their main 222 and 432 stations were now kaput and that K3EGE's trusty FT736 was doing the honors on



Seabright: An easy path over the water

those two bands with 25 watts. I moved the van across Ocean Drive to point antennas just over the sea wall to New England. Keyed up the 2m rig to call CQ and the car alarm next to me started wailing. I think the owner finally turned it off when he realized it was giving everyone sore ears. Had two friendly visitors—one beachgoer was a Technician licensee, KD2BPO (I think) who was basically a 2-band walkie op, but had no gear today. The other was Reid, the beach supervisor, a lapsed ham, who saw the antennas and just had to say hi. K1TEO was spotted on 2m and I called him to run the bands. Signals were great, but his 5G and 10G bands were not working. Bummer!

I had my lunch stop at the Dunkin' Donuts right by the bridge and then headed south to find a

spot in FM29. Traffic was difficult, the road seemed bumpier, and it was hot and sunny. Luckily the A/C was working well in the van. By 2:45PM I'm at a marina in Waretown and point antennas toward the mountain. We easily work through 2G, but the 3G transmit is again out. Retrospectively, I should have taken Rte 37 out to Seaside Heights and had a much better water path. Considering the time to drive and set-up in Cape May in FM28, and then the heavy traffic home, I decide head toward home. After all, Leon, N1XKT is running a big Father's Day party at his QTH and it's also my anniversary. I arrived there by 5PM and enjoyed some great food and drink and the family. Leon keeps thinking about how he can get on the air for a brief while and contact the mountain—he finally did on 6m at 10:45PM. Meantime, after I partied, I headed home, checked the bands before pulling in, and of course, 6m was open again! I drove to the local "Nike site" and managed a few more QSOs with the locals and got some nice grids on 6m E<sub>s</sub>.

OK, it's Monday morning and I check with Phil to see when I would be needed at Cotner's to help unload. Unfortunately, our plan for a noon meeting was significantly delayed, and I had to leave before I could assist. I took the antennas off the rover and stored everything for the next outing. I need to dig into the 3G rig to see what was intermittent in the transmit portion. While I'm about it, I may get to finally upgrade the amplifier to 40W and also the 2G amp to 80W. I probably also need some new batteries for the rover—**yes, they are aging too**. All-in-all **I considered it a successful weekend**, despite the 3GHz issue. I would have enjoyed more air-time and less driving. Now onto my EME activities. 73, Rick, K1DS

The stats:

7 road kill deer passed  
 550 miles driven  
 \$150 gas, \$18 tolls  
 9-1/2 hrs on the air

FN10: 43Q's 2 hrs (Delano, PA)  
 FN11: 17Q's 1 hr (Rte 80/81)  
 FN21: 17Q's 40 min (Camelback)  
 FN20: 21Q's 30 min (Alamuchy)  
 FN30: 37Q's 2 hrs (Sea Bright, NJ)  
 FM29: 18Q's 1 hr (Waretown, NJ)  
 FN20: 14Q's 20 min (at Leon's)  
 FN20: 35Q's 2 hrs (Old Nike Site)

Freq	Q	Gr
50:	33	13
144:	47	13
222:	32	9
432:	32	9
903:	15	4
1296:	17	5
2304:	12	4
3456:	4	2
5760:	4	1
10G:	4	1
24G:	2	1
300G:	1	1
	203	63

**6 grids covered. Total=28,428**

### Mt Washington 10GHz Beacon Update

A group of us went up to Mt Washington yesterday to work on the 10 GHz beacon. WX was typical Mt Washington with a **partly cloudy sky and 70 mph winds**.

We were successful in changing the ID to the new NEWS Group Club Call of K1FO and also replaced a failed GPS antenna so the beacon is now GPS locked. We also replaced a failed dehydrator for the waveguide. The frequency is 10368.400. Output remains steady @ 2 watts in to a 2 x 12 slot at 1887.1 meters. FN44ig. Thanks to Paul, W1IMD, - Paul, W1GHZ - Tom, W1EX - Don, W1FKF - Dave, k1WHS - Mike, N1JEZ.

Screen shot of the beacon at Don, W1FKF's QTH in Woburn, MA - 204 km away - is here (watch the wrap):

<http://users.burlingtontelecom.net/~n1jez@burlingtontelecom.net/images/10%20ghz%20beacon%206-20-14.jpg>

GPS performance of the Nortel/Trimble unit after the self survey is here (watch the wrap):

<http://users.burlingtontelecom.net/~n1jez@burlingtontelecom.net/images/Washington%20GPS.PNG> -- 73, Mike, N1JEZ

# The Pennsylvania Amateur Radio Conference (PARC)

Oct 4, 2014

The South Mountain Radio Amateurs (SMRA) of the Carlisle, PA area are pleased to announce a conference devoted to inspiring new technologies in our beloved hobby. This will be held at the Whispering Pines Lodge, north of Carlisle, PA 4 Oct 2014.

We have been able to schedule speakers who are outstanding in their specialty. The **fee is \$9** for this one day event.

## Agenda includes:

- Building High Quality VHF and UHF Antennas... yourself!
- Live demonstration of the latest HF Flex Radio software defined (SDR) transceiver.
- Working the World on the low power HF WSJT-X data mode
- A photo visit to an outstanding HF, VHF, UHF, microwave, contest station
- Automating Your HF/VHF Station logging and control of radios

Registration with payment processing and receipts is on the following SMRA Web site .....<http://n3twf.org/events/parc> (all lower case)

For program/technical questions not addressed above, please contact **John Jaminet, W3HMS**, at EMAIL: [w3hms@aol.com](mailto:w3hms@aol.com).

## **DONATIONS PLEASE!!**

We are currently soliciting donations of items for the Mid-Atlantic VHF Conference. If you or your employer has the availability of test gear, components, logo items, tools, antennas, radios, power supplies, cables, texts, gift certificates, computer related items, discs, software, or anything else that would be useful or pertinent to the hobby, please let me know and we can arrange shipping to my QTH or to the conference venue. I have several interesting microwave items that were sent to me from Reno, NV by our member **Randy, NR6CA**. Please look around and see what can be made available. All donors are given publicity at the conference. **Thanks, Rick, K1DS 215-284-5517**

## N1XKT Field Day 2014

Leon was taking care of his two children on Field Day. While the 9 month old, Symon, was napping, he and Aleah, his 3 year old daughter, set up his 6m Moxon. He made a few QSOs on 6m.



## Not Just for Old Engineers

Fascination with old (mellow?, seasoned? vintage?) test equipment extends across generations.

See: <http://www.edn.com/design/test-and-measurement/4429539/Vintage-Test-Equipment--Not-Just-for-Old-Engineers>

Tnx, WA2OMY for the link

## The Wayback Machine

Gleaned from the pages of  
Cheese Bits, July 1964  
(Vol. VII Nr. 4)

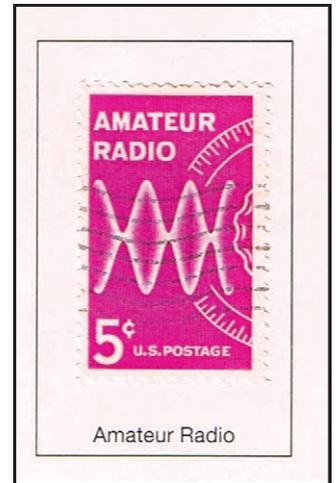
(Authors comments in *italics*)

*Note: the Vol. VII summer issue of Cheese Bits was a combined issue for July and August. Here is a summary (nibble) of the first half designated Nr 4.*

- Cover story. The outgoing President (K3HWZ, “Grandpop” Bill) gave his parting comments, complimenting the club for growth and progress in the Packrat endeavors. He pointed out that this resulted from the cooperation of the officers, committee members and the general membership. (*Still true today. It takes a TEAM to make things happen well*). The new officers also committed to continue to grow the club, seeking the support of all members. They paraphrased the famous Kennedy quote “Ask not .....”, applying it to the club. Helen’s cartoon showed the gavel handover from K3HWZ to K3GAS.
- Announced by the ARRL secretary John Huntoon (W1IVQ) that the league request for a commemorative stamp honoring amateur radio has been approved by the USPS. The stamp will be issued later in 1964, to honor the league’s 50<sup>th</sup> anniversary (*Hard to believe we are celebrating 100 years this year!!*). First day covers are being

prepared, with QST to publish how to get them. (*Do you have a copy of this stamp in your memorabilia?*)

- Club member W3ELI, the SEC for E. PA., clarified that the ARPSC



(Amateur Radio Public Service Corps) is the combined activity of the AREC and the NTS (Amateur Radio Emergency Corps and National Traffic System). Emergency support is provided by the AREC, and traffic of all types is passed through the NTS. He also encouraged members to participate in some phase of this activity to help justify our assigned frequencies. (*Again, still true today. Are you involved?*)

- June QSO Party report. Chairman K3LOM, Harry gave an hour by hour report, starting from the setup on Friday evening and finishing with an exciting contact with VP7CX late in the contest. (*The report is written in a whimsical style, and I suggest you read the full article (16” long) at the W3CCX web site. I even got in the write-up, as Harry reports “K3IIUV sat down and found 4 CW contacts”.*) Operating on 6 – 432, the club worked 474 contacts on 6, 169 on 2, 76 on 220 and 34 on 432. And snared 50 sections (Not the current “grid squares”).

- Packrat Picnic. Helen reports on the activity at the picnic, including attendance of 787 people! Donations from 33 organizations and 4 Packrats meant door prizes galore. *(Included one from Squires-Sanders [Clegg]. I wonder if K3TUF who worked there at the time remembers it.)*
- New products of interest, by W3NSI, Lynn. 1. Heat-Shrink tubing developed by Corning is now available in sizes from 1/8" to 1-1/2" diameter. Shrinks to 1/2 of its diameter. 2. Tube shields with locking bases from Atlee Corp. Reduce bulb temperature by 50% *(How many tube shields are in your junk box? Do you even remember them?)*. 3. A TVI filter, to be inserted in the twin lead at the receiver *(No coax then)*. Provides 40db attenuation of HAM signals. Cost \$2.50.
- August white elephant sale to be held at the QTH of W3ZD, Dave *(A Packrat tradition. **Get your stuff ready for this year on July 10 at the Sr. Center.**)*
- For the rest of the bits, you'll have to wait for next month's issue. *(As in previous editions, many "folksy" comments about members, their families, and activities were included in this edition of Cheese Bits. If interested, or for more details, visit [www.W3CCX.COM](http://www.W3CCX.COM) and read the full issue posted there by our Webmaster, Ron, W3RJW).*



**thirty, de  
K3IUU**

## CSVHFS

The Central States VHF Society, Inc. is soliciting papers, presentations, and Poster displays for the 48th Annual CSVHFS Conference on 25–27 July, 2014. Papers, presentations, and Posters on all aspects of weak-signal VHF and above amateur radio are requested. You do not need to attend the conference, nor present your paper, to have it published in the Proceedings. Posters will be displayed during the two days of the Conference.

More information can be found at: <http://www.csvhfs.org/2014conference/2014callforpapers.html>

Tom / K5TRA [csvhfs2014@gmail.com](mailto:csvhfs2014@gmail.com)

## Congratulations Packrats!

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**Early Bird Registration (\$40) now available on-line at**

**[http://dataandwireless.com/packrat/2014\\_vhf\\_registration.php](http://dataandwireless.com/packrat/2014_vhf_registration.php)**

**Fri Sept 26**-Hospitality and table-top selling 7P-11P

**Sat Sept 27**- Conference 8A-5P Pizza lunch and snacks included for paid registrants

Technical equipment testing by **Rohde & Schwarz**

Antenna range testing--please let us know what you are bringing.

**Saturday evening buffet banquet and door prizes\* \$40**

**Sun Sept 28**-8A-11A mini-outdoor flea market

## **TENTATIVE SPEAKERS & TOPICS:**

**K3RWR**-Quit Jamming Yourself and Let the Weak Signals Through!

**K3TUF**-SDR topic TBA

**K1JT**-topic TBA

**K2UYH**- EME topic TBA

**N1JEZ**- Linearization

**W1GHZ**-topic TBA

**K2WB**- The W2EA Contest station- History & operations

**Group**--Lumps and Bumps: What happened and how I fixed and prevent a recurrence

**WA3GFZ**- Station Automation

**WB2RVX**- Super Station Renovation

Check the web page for updates and speaker list [www.packratvhf.com](http://www.packratvhf.com)

Questions or paper & presentation submissions to [rick1ds@hotmail.com](mailto:rick1ds@hotmail.com)

or call Rick 215-284-5517

\*You must be registered and paid for both conference and banquet to be eligible for door prizes

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## Events

**For inclusion, please direct event notices to the editor.**

**CSVHFS Conference**— 48th Annual Conference July 25-27, 2014 in Austin, Texas. See <http://www.csvhfs.org/2014conference/index.html> for details

**ARRL August UHF Contest** - August 2-3, 2014. Details to follow.

**10 GHz and Up (round 1) Contest** - August 16-17, 2014. Details to follow.

**September VHF QSO Party - Contest**  
September 13-15, 2014. Details to follow.

**10 GHz and Up (round 2) Contest** -  
September 20-21, 2014. Details to follow.

**EME Contest 2.3 GHz & Up Contest** -  
October 11-12, 2014. Details to follow.

**EME Contest 6M - 23 cm Contest** -  
November 8-9, 2014. Details to follow.

**EME Contest 6M - 23 cm (round 2) Contest** -  
November 16-17, 2014. Details to follow

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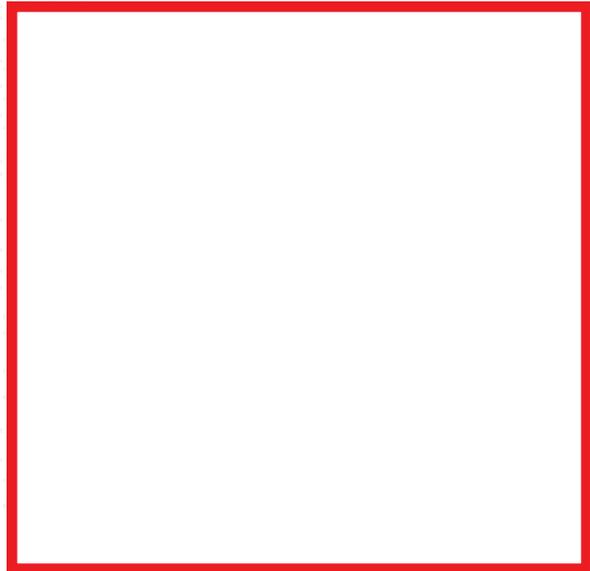
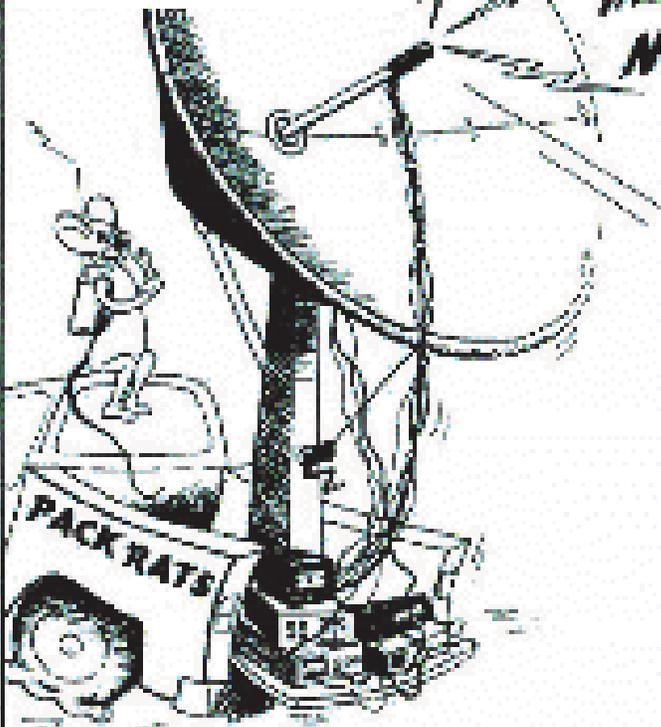
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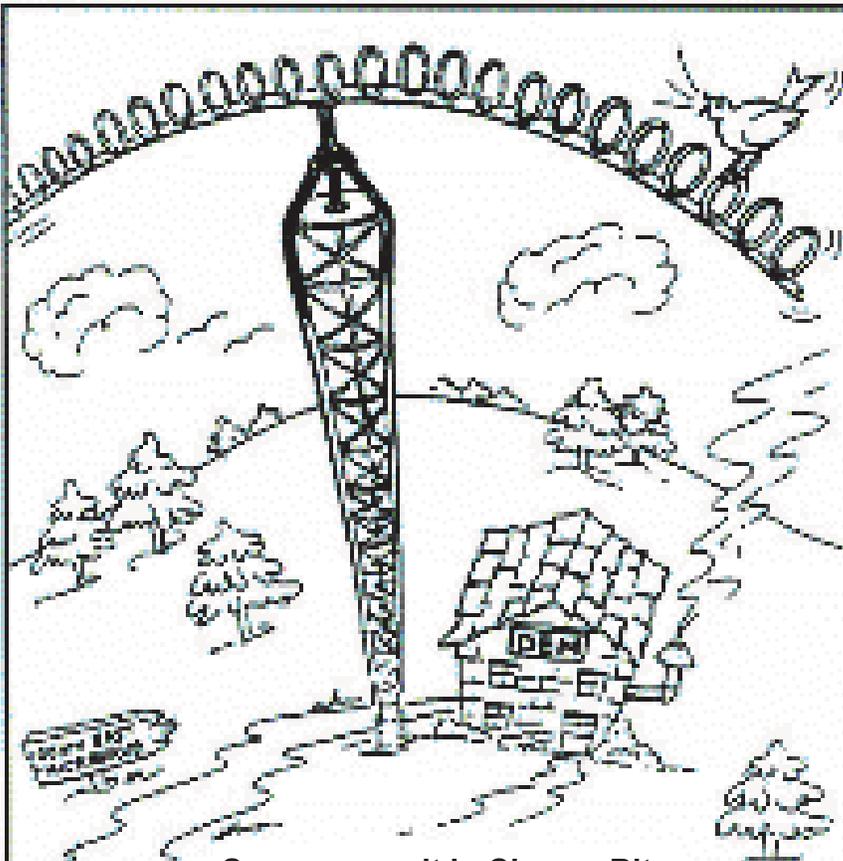
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