Mt. AIRY V.H.F. RADIO CLUB. INC.



W3CCX **CLUB MEMORIAL CALL**

ARRL Affiliated Club



Volume LXV June 2022 Number

PREZ

. As I sit here writing this month's Prez Sez, it's only 4 days before many Packrats SEZ: and friends will leave from familiar geographical areas (Redcoats North East,

Screamers West, Sandpipers South, etc) and trek to the Big Pocono State Park near Tannersville, PA fondly known to club members as "Camelback". Our purpose will be to set up W3CCX on the mountain and operate stations on 10 bands from 50MHz through 10GHz in the ARRL June VHF Contest. Our grid square there is FN21HB and the mountain elevation tops out at 2133 ft ASL.

It takes a lot of time and effort in planning such an operation. This year we had 6 planning sessions on Zoom and many phone calls between members to insure success and a fun time for all. If you are part of the team on the mountain, thanks for your thoughts and ideas to help plan and carry out this operation. If you will be at home, please fire up your station and support the club by making contact with us on as a 16 year old high school kid I came home from many bands as you have. Keep in mind that your score will also be counted in the ARRL Club Competition category. Most of all enjoy the weekend on the air. Don't forget to look for our club Rover Stations: NN3Q/R with Russ & AL. W3ICC/R with Drex & Paul, and Pete as K0BAK/ WA3AXV (now W3RJW), all come to mind. Yes R. I won't go over any other contest tips here, as they have been covered in detail by Mike, N2DEQ our Contest Chairman. Thanks for your help Mike in leading the troops towards victory. Go Pack Rats!!

Our June General meeting will be in person at the Ben Wilson Senior Center and also on Zoom for those at home. The agenda will include our annual Election of Officers, a report on the results of the June Contest, and I'm sure those who attended the "Dayton" hamfest will be glad to report on some of it's highlights.

Good News! We are back to our traditional Summer Meetings this year. July will be the White Elephant Sale at the QTH of Bruce, WA3YUE. August will be the Club Picnic at the QTH of Michael, KB1JEY. After these summer meetings, we will return to the Ben Wilson Senior Center for the September General meeting. More details on all these meetings will follow shortly.

And now on a personal note, this will be my last Prez Sez as my term as Club President will come to an end on June 30th. I have really enjoyed my time as president of the Packrats. My association with the club started after I got my Ham Radio License back in July of 1966. As school and headed to the radio room in my parent's house. And guess who I contacted? Packrats of course and a few who were not Packrats. W3CL, W3KKN, K3MXM, W2EIF, K3JJZ, K3GAS, WB2NPE (now WC2K), & the Packrats mentored me on the air and encouraged me to "just add another band" and I was hooked on VHF, UHF, and eventually the microwaves. I was vice president of the club twice over the years but never bit the bullet to try

Cheese Bits June 2022 1

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

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Awards Chairman

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PACKRAT BEACONS - W3CCX/B

Located at FN21be except 2304 which is at FN20dh

50.080 144.300 222.062 432.290 903.072 903.3 1296.264 2304.3 3456.200 5760.3 10,368.3 MHz (red = temporarily off the air see https:// www.packratvhf.com/index.php/on-air for details)

MONDAY / TUESDAY NIGHT NETS

| VHF/UHF Monday: | | | |
|-----------------|-----------|-----|-----------------------|
| TIME | FREQUENC | Y | NET CONTROL |
| 7:00 PM | 224.58R N | ЛHz | WR3P FN20kb Ralph |
| 7:30 PM | 50.150 N | ИHz | N3RG FM29ki Ray |
| 8:00 PM | 144.150 N | ЛHz | K3GNC FN20ja Jerome |
| 8:30 PM | 222.125 N | ИHz | KB1JEY FN20je Michael |
| 9:00 PM | 432.110 N | ИHz | WB2RVX FM29mt Mike |

Microwave Tuesday:

7:30 Coordinate QSO's on 144.260 for all Microwave bands you'd like to work. Also setup Q's at w4dex.com/uhfqso or Packrat Chat Page W3SZ.COM

Visit the Mt Airy VHF Radio Club at: www.packratvhf.com or www.w3ccx.com

president. It has been a fantastic experience that I will never forget. Thanks for the opportunity of serving the Packrats as president for the last 2 years.

I have really enjoyed the last 2 years, but I am also a believer in



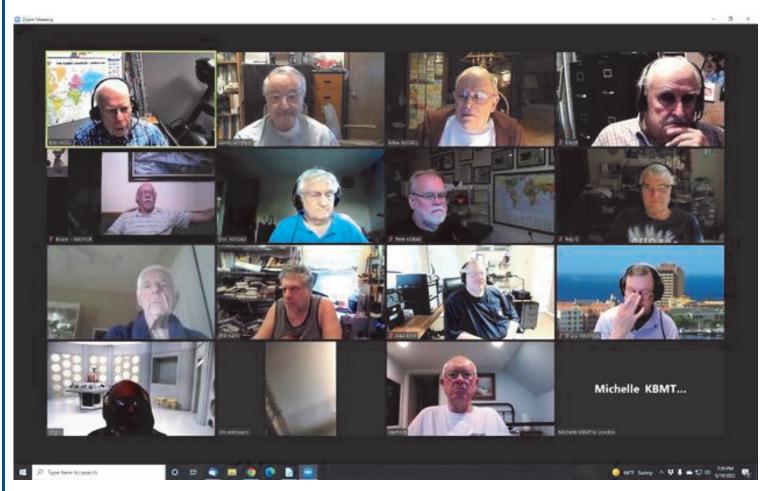
term limits. 2 years really seems about right as after that one becomes somewhat stale and it's time for another to take the reins with new ideas and enthusiasm. Thank you ladies and gentlemen of the BOD for all your support. Also, I can't thank the past presidents enough for all your help and suggestions along the way. George KA3WXV, El K3JJZ, Phil WA3NUF, Phil K3TUF, Bill W0RSJ and Rick K1DS. You were all so supportive and kept me on the right track. For now I plan to work on the many station improvements I have not been able to get done while performing my duties as president.

Meanwhile, finish a project on the bench, keep one ear "listening for the weak ones", and the other on the "Magic Band"!

Vy 73, Bob W2SJ

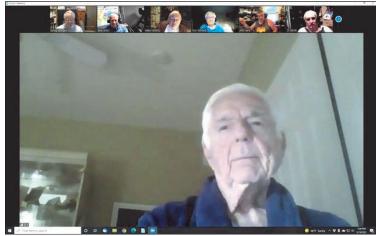
Cheese Bits June 2022

MAY (ZOOM) MEETING PICTURES

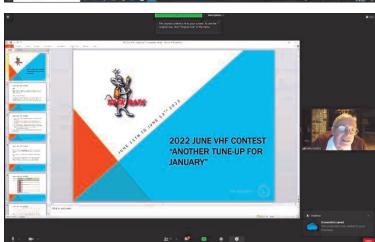










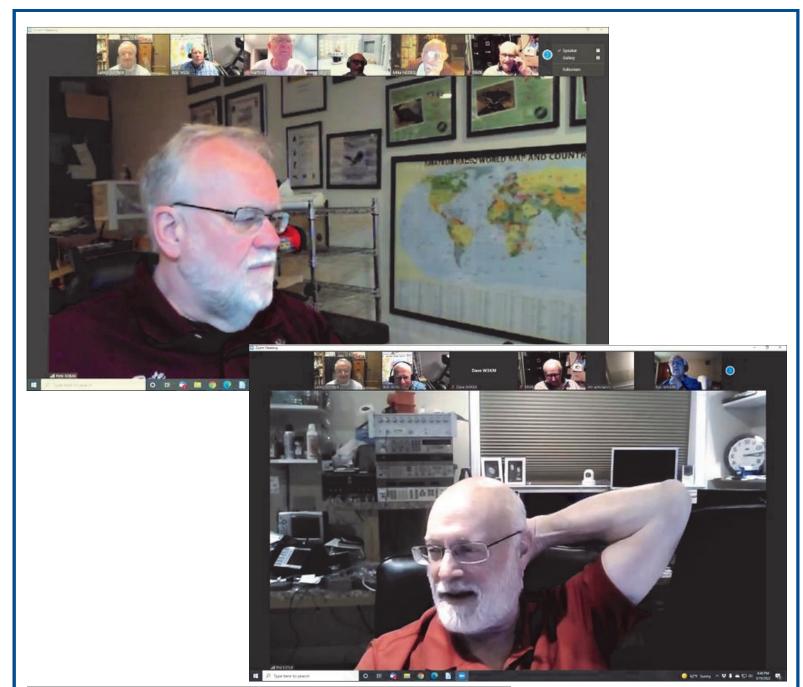














Our Trip to Dayton 2022

By Tom KA3FQS

We attended the Hamvention (Dayton) again this year. It was the 70th anniversary of the hamfest which puts the first Hamvention a couple of years before I was born and about four decades before I attended my first Hamvention.

This year Tom Hybiske K3GM, and I drove out together. Michael Davis, KB1JEY, and George Altemus, KA3WXV, drove out separately. It is a long drive so there are always a couple of stops for fuel and "bio breaks". We left my house in FN20jf at 7:07 AM and pulled into the hotel at 4:30. The total mileage for the entire trip including driving around in Ohio was 1142 miles and we made four fuel stops. The last fuel stop was in Horsham at the end of the trip.

At our first stop we saw Brian, N3EXA. The drive is not bad being almost entirely confined to limited access highways. As you get further west you see more vehicles with antennas and 146.52 becomes more active from fellow Hams headed to the Hamvention.

The Hamvention was held at the Greene County Fairgrounds as it has been now for a few years. In years past the Hamvention had been held at the Hara Arena in Trotwood Ohio. The Hara was a hockey arena with several large connected buildings. The flea market was held outside on the paved parking lot. The Hara fell into disrepair over the years so the Hamvention was forced to move. The Greene County Fairgrounds is primarily designed for county fairs and as such doesn't have much in the way of paved areas. This means that the flea market is set up mostly on the grass infield of the race track.



A shot from the grandstand showing the massive flea market on the infield of the half mile oval track.

For some reason there is usually heavy rain in western Ohio the weekend of the Hamvention which, when coupled with the heavy vehicle and foot traffic in the flea market, turns the area into a sea of mud. Fortunately this year the rain occurred on Thursday and late Saturday leaving Friday and most of Saturday clear and breezy. The breeze helped to dry out the infield so the mud wasn't too bad this year. Vendors are allowed to setup on Thursday the day before the Hamvention opens. With Thursday night's rain this didn't work out well for one flea market vendor who I saw pouring water out of an old Icom HF radio early Friday morning. I wonder if he ever sold that radio.

Michael, George, Tom and I set up as vendors in the flea market. This is something that we have done for several years as we have gotten to the age where getting rid of stuff is better than acquiring more stuff, it also provides a place to park and rest in the flea market. KU3A and N3EXA also had flea market spots.

Somehow for the last few years we have gotten spots next to the outdoor toilet facilities. In past years the toilets were the usual fiberglass rental johns and you hoped that the wind was blowing out rather than your direction. This year the Hamvention committee rented toilet trailers that were much nicer than the

Dayton cont'd ...

normal porta-johns so the odor was much better controlled. Lots of foot traffic is an advantage to this location. Most people visit the toilets at least once during the Hamvention which means that they have to walk by our flea market spots. The toilets also serves as a landmark for those who see something we have for sale on our tables and either want to direct a friend to it or want to think about it and possibly return later to buy it and need a way to find our spot. Look for the toilets.

Michael brought along his portable Generac generator (It's not for sale!!!!!) and George brought along an electric grill and some sausages. George cooked up lunch a big plus over waiting in long lines at the food trucks.

Most of us managed to sell a lot of what we had brought out. Tom and I sold a few antennas. I managed to sell my Alfa Spid rotator and the mounting peg but surprisingly not to the same person. A VE was very interested in my 300 W Mirage amplifier but decided to forego the purchase after doing the dollar to loonie conversion. Tom sold his KX2. Michael didn't sell his generator but bought a pretty nice HW 101. Even though earlier I said that I was at the age where it was better to sell than to buy I bought a couple of signal generators and a microwave counter in the flea market. The



'FQS and 'WXV

some sausages. George cooked up lunch until his grill quit working on Saturday. George's cooking was



KB1JEY at the adjacent space, and out table with some of the equipment for sale....

counter came from the guy with the water filled Icom but the counter looked dry. After I got this stuff home and tested it, the one generator and the counter appear to work but the Marconi generator has a few problems. I will play with the Marconi for a while to see if I can get it working.

At the Greene County Fairgrounds there are a few buildings rather than the single large building at the Hara. My guess is that the total indoor space at Green County is less than what was available at the Hara and not as well lighted. Inside is where most of the commercial vendors are located. The big shock was the absence of Kenwood. They usually have a large well staffed booth but not this year. Icom, Yaesu, and most of the other major manufactures had booths set up as did the commercial vendors like HRO, DX Engineering, and others. For most of the Packrats I think that the major attraction was Icom's new SHF-P1 radio. They had a prototype in a clear plastic enclosure and some color cut sheets but not much in the way of specifications on it. Yaesu had their usual large carpeted booth displaying their radios and handing out ball caps. Elecraft had their usual booth but as is typically the case it was packed with people so I didn't visit it. One of the nice things about Elecraft is that you can usually talk to the owners of the company and ask them questions, something you can't do with most other companies especially the foreign firms. The usual Hamvention discounts appeared to be in place. Tom bought the new Baofeng

Dayton cont'd ...

UV-5X3 tri-band HT to replace his beloved but now defunct Kenwood TH-F6A. Most of our group bought updated models of the nanoVNA from R&L Electronics. Generally I don't recall any of our group making any large new equipment purchases

We left the flea market Saturday just before the rain started. Saturday evening our group got together with Bill, WS3O, and his family for pizza. Bill and his dad had stopped by our flea market space earlier in the day. Michael generously picked up the dinner tab for the whole group. Sunday we headed home and unpacked. It was a good time and I am glad I went. The Hamvention is something that I think every ham should experience at least once even though the Greene County facility does not live up to my memories of the Hara based Hamventions.

Tom KA3FQS



Look Ma, no mud!! Saturday's active breeze coupled with very warm temperatures, made short work of Friday's muddy misery. I walked the entire flea market

Tom Kirk KA2VAD

Local EME'er Tom Kirk who became a silent key a few years ago was honored with a memorial granite bench at ARRL Headquarters.

Tom was a friend and colleague of Al Katz and your editor, and of Doug WA2LTM.

K2UYH recently wrote:

I knew Tom well. Tom was even closer with Doug Moser (WA2LTM). I see Doug regularly. The Friday lunch group Tom was part of still goes on. We often talk of him and remember him. He was special. There are other close friend's of Tom's here. I will see your news is passed on to them. I should add that Tom worked for my company. He is still fondly remembered.





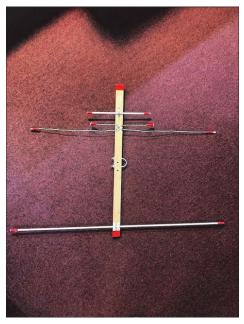
Experimental Home Brew Fan Dipole Driven Single Feed VHF/UHF Yagi for 2 Bands

By Griff NE3I

In my experience, a single band two element Yagi represents the "Best Bang for the Buck" in terms of gain versus material and can be fed directly with 52 Ohm coax.

The attached photos show a recent home brew project. The antenna appears to have credible forward gain, front to back and front to side ratios. It uses a single feed without a specific matching component. The white elements are left over pieces of AR99 "ground plane" radials that I had to cut off for two of the four A99 radials to fit above my roof and retractable awning. The green elements are just insulated Nr.. 14 wire. Guerrilla glue was used to stabilize Driven Element wire attachment to the wood.

I drilled a hole through the 1x2, mounted the SO239 on the underside and used a snip of No. 14 wire soldered to extend the SO239 center contact vertically to the Driven Elements. (Sorry, I only had 3 screws that would fit the SO239.) Holes were drilled for the U bracket to mount the antenna either horizontally or vertically.



In initial outdoor tests at about 8 feet, the SWR on 2 Meters appeared to be about 1.5 to 1. On 446 MHz the SWR was approximately 1.2 to 1. Naturally, given the close proximity of the open to air driven element contacts shown, only low power should be utilized. I am not an RF engineer or antenna expert. Readers should analyze and evaluate this experimental antenna's characteristics and safety considerations for themselves. Helpful constructive criticism/suggested improvements will be appreciated and may be of interest to other readers. Query: does the 2 Meter reflector enhance, detract from or have no effect upon the gain produced by the two 432 MHz elements on 70CM?

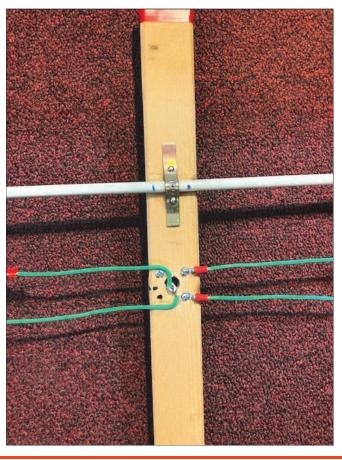
Approximate element lengths and spacing are as follows: Lengths (Approximate)

432 Director 12&5/8"

432 Driven Element 13&1/4" (Combined length including bends and SO239)

2M Driven Element 38" -19"&19" including bends and vertical portion of SO239

2M Reflector 41&1/2"



Antenna cont'd ...

Separation Distances (Approximate)
432 Driven Element to 432 Director 2&1/4"-2&1/2"
2M Driven Element to 2M Reflector 19"-19&1/4"

73, Griff NE3I



Hams Doing Radio Astronomy

There are quite a few hams (especially those with EME setups) who use their expertise to do radio astronomy, repurposing some of their equipment for this second activity. This month's issue of the "432 and Above EME News", edited by Al K2UYH has a comprehensive article on the subject written by OK1TEH. Email Al at alkatz@tcnj.edu and he'll send you a copy of the newsletter by return email. Look for the article near the end of the newsletter.

—W2BVH

Our Place in the Universe

There's a stunning picture of the Earth and the Moon take from Mars at https://www.nasa.gov/mission_pages/MRO/multimedia/mro20080303earth.html

It includes a write-up of who did it and how it was done.

-W2BVH



"About your cat, Mr. Schrödinger—I have good news and bad news."

A Visit to the Stanford Dish

A YouTube video of a visit to the 120 foot Stanford Dish is at https://youtu.be/Zj3ZuphVxsE. This is a multipurpose antenna and it is used for receiving and transmitting. Near the end of the video they transmit 50 watts CW on 70 cm to the moon and get back (around) S5 echoes.

My Journey from 3456 to 3400. What a long strange trip it's been.

(With apologies to Robert Hunter et al.)

By Tom KA3FQS

Back when I first heard about the FCC's plan to reallocate portions of the 9 cm band it sounded as if the Amateur Radio Service was going to lose the entire band. I began planning what I was going to do. My first idea was to take down the 9 cm looper and put up a second 13 cm looper to improve my station's performance on that band. Later the news came out that hams would be moved down the band but there was no real indication where that might be.

In preparation for the move down the band I ordered a DigiLO from Q5 Signal with several additional frequencies programmed. (In retrospect the number of frequencies I requested stretched the good will of the people at Q5 but they did it.) Finally it became clear that operations were going to move to 3400 MHz. This is a standard frequency for the DigiLO so there is no reason to order the custom frequencies.

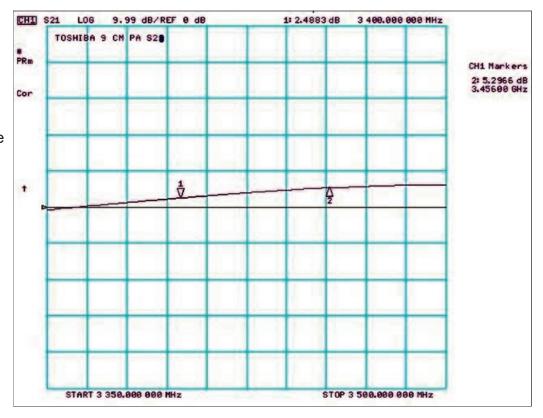
When I received the custom DigiLO I installed an eight position DIP switch so that I could select any of the frequencies without soldering or unsoldering any jumpers. I set the DigiLO for 3312 MHz, the proper LO frequency for 3456 MHz operation with a 144 MHz IF. Everything worked fine. My Toshiba 20 W amp put out a measured 20 W and I used this setup in the January contest.

It is now past the deadline for us to stop using 3456 MHz so I programmed the DigiLO to 3256 MHz, the correct LO frequency for 3400 MHz operation with a 144 MHz IF. The transverter power output dropped about 0.5 dB. This did not concern me as this is a small change and could be measurement error in my test setup. The power output of the Toshiba power amplifier however dropped by 2.6 dB, from 20 W to 11 W. That is more power than I would like to give up.

In an effort to determine what was causing the power loss at 3400 MHz I ran an S21 plot of the Toshiba power amplifier from 3350 MHz to 3500 MHz.

The two markers show that the gain at 3400 MHz is 2.8 dB lower than it is at 3456. This suggests that merely increasing the drive to the amplifier at 3400 MHz might resolve the drop in output power... but it didn't.

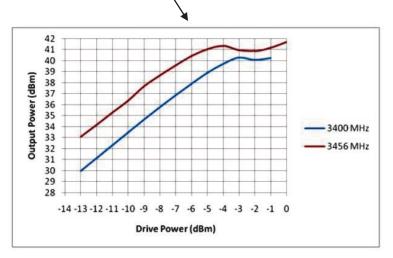
A former colleague suggested that this might be due to an input matching problem so I ran an S11 on the amplifier.

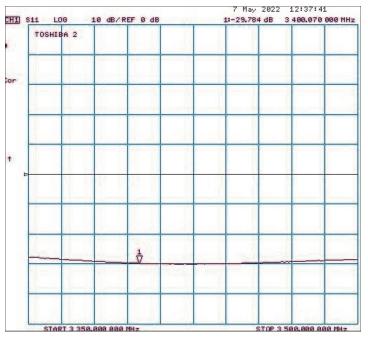


3400 cont'd...

The graph to the right shows that the amplifier has an excellent input match over the entire band so that is not the culprit.

To investigate further I ran a power sweep of the amplifier using a signal generator and a power meter. This is shown below.





The results were puzzling to me as the amplifier had an interesting characteristic at 3456 that I had never seen before.

At 3456 MHz the amplifier appears to reach the P1dB point with -4 dBm of drive and is essentially fully compressed at +41 dBm output power. This is 2 dB short of what I had measured driving the amplifier with the transverter. Interestingly increasing the drive to about -1 dBm causes the output power to rise again until a second saturation point occurs at an output of +43 dBm with about +1.5 dBm of drive. This overdrive is not shown on the graph above. Apparently when I first set up this amplifier I attenuated the output of the transverter until I measured 20 W output of the amplifier without checking for linearity. I expected 20 W and I got 20 W. Based on these measurements it appears that I should have been running this amplifier at about 12.6 W out not 20 W. Interestingly I never received any comments about distortion of my on the air phone signal.

I spoke to KB3XG at a recent meeting and he said that he was familiar with the type of saturation I saw operating the amplifier at 3456 when he was working on some GaN amplifiers. This made me feel better that I had not made a measurement mistake. Later I remembered that diode lasers often exhibit this type of saturation characteristic which is referred to as kink. I can't claim to understand the physics of this behavior but apparently it can exist.

The saturation characteristic that I measured on the amplifier at 3400 MHz was more conventional in that it does not appear that the output power rises once the first saturation point is reached. The saturation point occurred at just over +40 dBm which is very close to the measured P1dB. This indicates that an increase of input drive power at 3400 MHz can't compensate for the loss in gain compared to 3456 MHz. It also indicates to me that the drive power should be limited to -3 dBm to produce an output of 40 dBm.

3400 cont'd...

As I recall I bought this amplifier at a Dayton Hamvention flea market several years ago so I can't vouch that it is working as designed or that this performance is typical of this design.

So it appears I will have to content myself with 10 W out on 3400 MHz.

If someone has an explanation for this amplifier performance and how to improve it please let me know.

I would like to thank KB3XG and N2CEI for discussing this issue with me and KB3YJV for the loan of the network analyzer.

Tom KA3FQS

The Wayback Machine In CHEESE BITS, 50 Years Ago

Nibbles from June 1972. Vol. XV Nr 6 de K3IUV Bert (author's comments in italics)

- "Our Prez Sez". Prez Don, W3CJU (the Jeweler of Doylestown) thanked Ed Tilton, W1HDQ (Guest speaker at the ARRL night meeting in May) for the presentation of the January contest gavel. He reminded the members of elections at the next meeting. (I took note that our VP at the time was Walt, K3BPP, still active.)
- Ladies Night Report. The 16th annual Ladies night was a festive affair, held at the Buck Hotel. "A good time was had by all." Many plaques were given out for net control stations and other recognitions. "Doc", **K3GAS** was recognized as "The Packrat of the Year".
- Technical Article. "Testing Diodes."

 Copied from the Philmont Club paper, a short article described a circuit for testing diodes. Also useful for "forming" and testing electrolytic capacitors.
- _Membership. Elected to membership was Walt, WA3AQA. Visitors at the last meeting included friend Doug, WA2LTM.
- **June 17 Hamfest.** The KASS Electronics Hamfest insert described last month was repeated.
- New Products of Interest to HAMS. From Lynn, W3NSI. 1) An FM adaptor, designed for use with the Gonset Communicator is now available. No mods necessary. Plug one cable in the mic jack and one in the crystal socket

- (clever idea). From Palomar Engineering, price \$34.50. 2) Hallicrafters SSB Transceiver, model FPM300. To be available shortly. Solid state except for the PA tubes. 80 10 meter coverage. (Sounds like the same specs as the famous TS-520s.) Price \$595. 3) Heathkit Frequency Display Unit. Model SB650. Designed to work with any of the Heath Transmitters, Receivers or Transceivers, to display transmit or receive frequencies. All solid state. Price \$180.
- Calendar. June 9-10-11. June QSO party to be held at Hilltown. We will operate bands from 6 through 2300. June 21, Club Meeting, with Ed Clegg, W1LOY as guest speaker. He will demonstrate his new 220 MHz equipment. July 19, first outdoor meeting at the QTH of Dave, W3ZD. It will be the big club auction of the year. August 13, Packrat Picnic at Ft Washington State Park. August 16, second outdoor meeting at the QTH of Bert, K3IUV (that's me). Films, slides and special narration. October 1, a Packrat sponsored Hamarama in Jamison, PA. (This was the first Packrat Hamfest, organized by Dave, W3ZD). A full-page flyer for the Hamarama was included. Highlights included an ATV demonstration, a Civil Defense Van, and registration of \$1 per adult.
- 1296 DXpedition to Delaware. As reported by Tony, K1SFF/3, the expedition had to be postponed due to some illnesses and access difficulties. Tentatively rescheduled for late September. Tony suggests that those that were planning to contact the station check out their gear by working the W3CCX/3 contest station on June 10

.... Wayback cont'd

and 11.

PHOTOS. This issue contained some classic photos. 1) Mario, K3UJD (of Mario Table fame). 2) El, K3JJZ (of auctioneer fame). 3) Ed Tilton, W1HDQ (Editor of QSTs The World above 50 MHz) presenting the contest gavel to the Prez, and 4) a very young Stan, K3IPM receiving the award for top score in the contest.

Swap Shoppe. By W3ZRR. (Always nostalgia. Now we use the club reflector.) For sale by Stan, K3IPM, complete VHF receiving setup consisting of a Clegg Interceptor Receiver (6 and 2 meters) plus a 220 converter and a 432 converter. \$225 for the package. From Tom, K3BCP, a Motorola T51GGV with crystals and ovens. Set up for 52.525 and repeater frequencies. \$125. Also, a Motorola T51GGV modified to two meters. And a Hy-Gain 5-band trap antenna (model 5BDQ) with coax for \$35.

Ads. The April 72 issue included 26 business card size ads, plus the half page back cover ad from club member Ham Buerger (a Drake TR-22 2-meter FM Transceiver for \$199.95!) I note the current Cheese Bits Ad complement includes only 4 small ads, a ¼ page from Beko and a ½ page from Down East. If you'd like to join them currently, contact the ad chairman, Bob, W2SJ.

Miscellany. Postage for this issue was a pair of 8-cent Flag stamps. (11 double sided, 8-½ x 11" sheets). As usual, many "folksy" comments about members, their families, and activities were included in this edition of Cheese Bits. If interested, or for more detail on any of the above items, visit our website

(www.W3CCX.COM) and read the full

issue scanned by **K3IUV** (me), and posted on the website by **WS3O**, our webmaster. I have also posted the club Officers history, club Membership history, and Packrat Inventory (updated frequently) on the **W3CCX** website. These files are password protected, and only accessible to registered members. Have you registered? I hope you enjoyed reading these bits of nostalgia as much as I did in writing the article. If yes, you might let me know. Thanks to those that did.



thirty, de K3IUV (comments or corrections
to: K3IUV@ARRL.net)

Events

For inclusion, please direct event notices to the editor.

June VHF Contest - Contest - June 11-13, 2022. . See http://www.arrl.org/june-vhf for rules and details.

Firecracker - Hamfest - July 2, 2022. Sponsored by HRAC. Harrisburg PA. Details at: http://www.w3uu.org/firecracker/

Murgas ARC - Hamfest - July 3, 2022. Plains PA. See http://hamfest.murgasarc.org for details.

CQ Worldwide VHF Contest - July 16-17, 2022. See https://www.cqww-vhf.com/ for details.

222 and Up Contest - Contest - August 6– 7, 2022. Details to follow.

6M Fall Sprint -Contest– Saturday/Sunday August 13-14, 2022 (2300Z—0300Z) See https://svhfs.org/2022VHFSprintRules.pdf for details.

10 GHz and Up Contest (Round 1) - Contest - August 20 –21, 2022. Details to follow.

September VHF Contest - Contest - September 10-12, 2022. Details to follow.

10 GHz and Up Contest (Round 2) - Contest - September 17-18, 2022. Details to follow.

EME - 2.3 GHz & Up – Wknd 1 - Contest - September 17-18, 2022. Details to follow.

2M Fall Sprint -Contest– Monday September 19, 2022 11 pm local See https://svhfs.org/2022VHFSprintRules.pdf for details.

222 MHz Fall Sprint -Contest— Tuesday September 27, 2022 11 pm local See https://svhfs.org/2022VHFSprintRules.pdf for details.

432 MHz Fall Sprint -Contest— Wednesday October 5, 2022 11 pm local See https://svhfs.org/2022VHFSprintRules.pdf for details.

Microwave Fall Sprint -Contest- Wednesday

October 8, 2022 8am—2pm local See https://svhfs.org/2022VHFSprintRules.pdf for details.

EME - 50—1296 MHz – Wknd 2 - Contest - October 15-16, 2022 Details to follow.

EME - 50—1296 MHz – Wknd 3 - Contest - November 12-13, 2022. Details to follow.

KC3BVL Friday Net

Lately Packrat Jim KC3BVL has been conducting a Friday night net with schedule as follows:

7:30 pm 144.160 8 pm 50.160 8:30 pm 222.150 8:45 pm 1296.160 9 pm 432.160 9:15 pm 2304.100

Reminder: there are 3 FT8 VHF / UHF Activity Contests each month. For info see: http://www.ft8activity.eu/index.php/en/

For those interested in an online "Contest Only" event calendar for VHF+, see https://www.qsl.net/n2sln/contestcalendar.html

222 MHz Activity Night

There's been an informal 222 activity night in the Northeast (and beyond) every Tuesday night starting around 7 pm (or so) Eastern Time.

ON4KST is being used by some to coordinate Q's when direct CQ's are weak. —W2BVH

Bob Fischer

Uber / Lyft Services Mullica Hill, New Jersey bobw2sj@gmail.com



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Club dues are due as of Jan 1st, 2022. Go to https://www.gsl.net/w3km/MtAiryRC Dues.htm and use the "check here" link to see if you already paid. If not, enter your callsign and click on "PayPal"

AS OF 6/8/22 24 DUES REMAIN UNPAID

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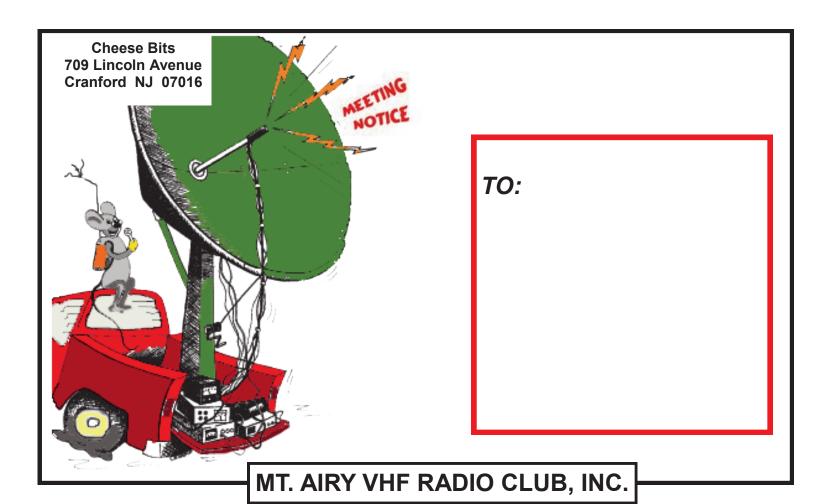
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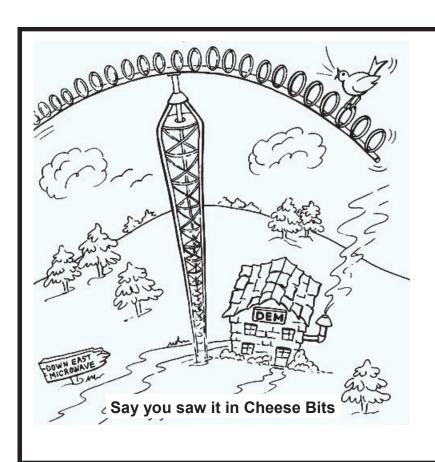
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