



## Q5er – The Official Newsletter of the Skyview Radio Society

### On Club Competitions and Grid Squares

There are many and varied ham radio contests held throughout the year. Participating in these competitions can hone your operating skills, prove the quality of a station and be FUN. You don't have to be a super operator to participate.

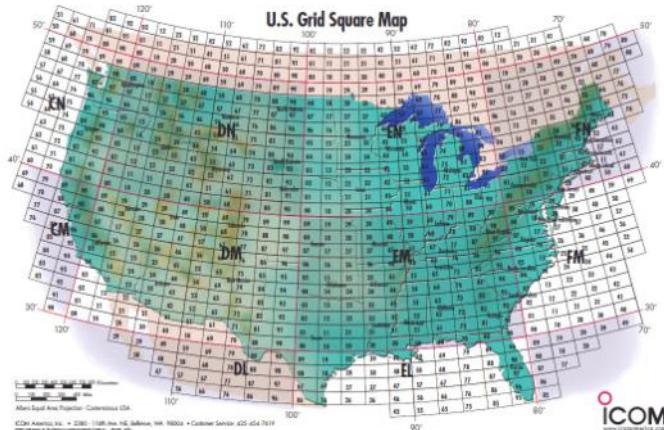
As a club, Skyview regularly participates in some of the more important contests, operating from our clubhouse with our club equipment (radios, amplifiers, antennas, etc.) and utilizing different modes (CW, Sideband, Digital, etc.). During these events members take turns at the controls, and inexperienced 'newbies' are always invited to jump in and try it out. Our club has earned many awards for participating in these events. Just check out the certificates and plaques adorning the walls at Geek's Peak.

Even if you can't come to the club house to participate, most contests offer a way to join in the fun from home. It's called a 'Club Competition'. The rules vary slightly (always read the contest rules), depending on the contest and sponsor, but in general terms all you need to do is work a few contacts from your home QTH, submit your Cabrillo log to the contest sponsor (specifying your club as "Skyview Radio Society"). If the required number of logs is received, a club entry is created for Skyview. The required number of log submissions is about 3-4, depending on the contest/sponsor. This club entry is in addition to the entries of each of the individual participating stations and is ranked along with other club entries in the final score accounting.

If the contest is one of the nine sponsored by the ARRL there are two additional requirements: 1) The call sign of the log submitter must be on an Eligibility List of active members provided by the club; 2) The individual submitting the log must have operated the contest within a specified distance of the club. The distance is determined by the use of Grid Squares and varies somewhat by contest.

Skyview regularly updates the Eligibility List provided to the ARRL, as we get new members, folks move, or drop from the club. The grid square we have provided to the ARRL, for each member, is listed on their membership card. In most cases this is the grid which corresponds with their home QTH. If the grid square shown on your membership card is incorrect, or you operate from some location other than your home, please advise the Membership Officer so that it can be corrected.

Bob - K3RMB  
Membership Officer



February 1, 2019

- IFCC Registration Changes
- Free Antenna Book
- DNA Kits
- .....
- .....
- .....
- .....
- And More .....

**Sunspots?**  
**I don't need no stinkin Sunspots.**  
**I have 40 meters and 80 Meters.**

### Inside this issue:

FROM THE EDITOR	3
FROM THE CENTER SEAT	4
INVENTION OF HETERODYNE	5
AFTER NET	8
LIDS	9
PORTABLE CONTESTING	10
WINTER FILED DAY	12
NEW MEMBERS	16
KUL-LINKS	17



**The Skyview Radio Society Clubhouse is the “Every Tuesday Place” . . .**

Something is going on at ‘the joint’ each and every Tuesday evening, from about 1900 hours to whenever.

See the general schedule of Tuesday events on the Skyview Web Page: <http://www.skyviewradio.net>

For the latest up-to-date plan, check the Groups.io Reflector at : <https://groups.io/g/K3MJW>

Directions are on: <http://www.skyviewradio.net>

Guests are always welcome !!

## From the Editor

Not my time of the year. I like the warmer weather. The only plus to this time of year is that I do not feel guilty about ignoring yard work while I'm doing some kind of a ham radio contest. Yeah, I have to take a break and get some snow off of the driveway and walks once in a while, but I can manage that.

And, there are certainly lots of contests to play in. Big serious ones and smaller friendlier ones. I lean towards doing an individual effort in the smaller friendlier ones. Keep an eye on <https://www.contestcalendar.com/weeklycont.php>. There is something for everyone.

Thanks to the many contributors, I am able to fill quite a few pages in this newsletter each month. With electronic publishing, there is no page limit to worry about.

I hope that you enjoy this issue. And I look forward to receiving your contributions to this newsletter.

Jody - K3JZD

## From the Treasurer

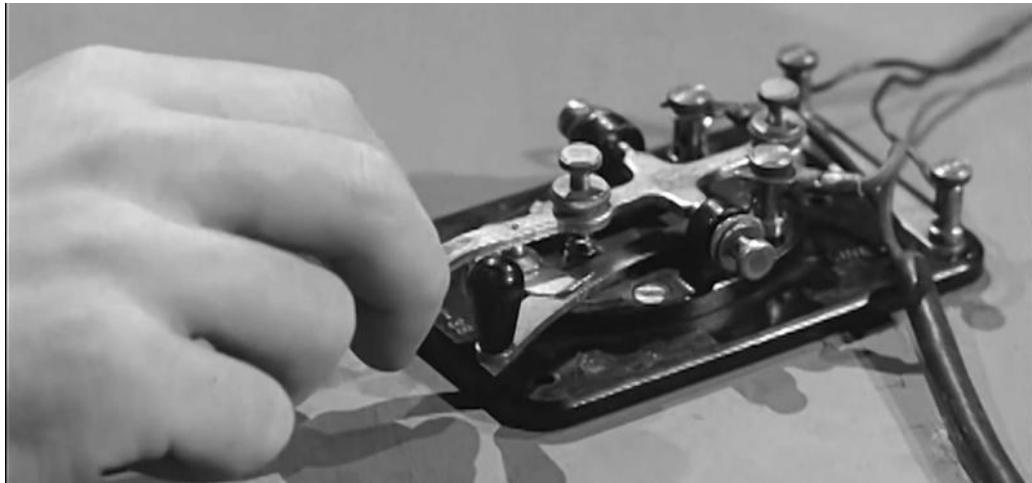
I have two hats now, so I will try doing two columns.

I am glad to see our renewals pouring in. On behalf of the club, my thanks go out to those of you who have included donations with your dues. Even though our costs for taxes, insurance, and utilities may go up this year due to the proposed clubhouse expansion, it already looks like we will be on firm footing with our fixed expenses this year. Thanks for continuing to be a Skyview Member.

This will be a busy year up at the joint. We still have the 40 meter tower project in the queue. And the Board of Directors has budgeted and approved several other new capital improvements for the property. As always, we minimize our spending by doing whatever makes sense by ourselves. When it comes time for a work party, all are welcome to come out and lend a hand. Both new and old members. New members really get to know their fellow club members during the work parties.

Jody - K3JZD

Ham Radio is a Contact Sport



**What is wrong with this picture ???**

## From the Center Seat

de Bill - N3NMC

Well, as the Captain says, "we all made another trip around the sun" . As we start the New Year I look forward to serving as Skyview President . I would like to thank Rich WQ3Q for all the hard work he put in last year. He truly set the bar high. I want to thank Pat NK3P for his years as treasurer and his great work with the Thursday night club net, and to Bob K3RMB for his many years as secretary, membership officer, and his work with JOTA.



An organization is only as good as the members who are willing to step up. I look forward to working with our new officers and board members for 2019. We will have a full year coming up and there are many projects that we hope to complete. The tower project and 40m beam, and the building addition are just two of the projects we will need to focus on.

Skyview has always been a "bastion" ( thanks Cookie) of contesting. Congrats to all past and future contesters. To the new members , come up and put your toe into the contest waters. You will

get plenty of help from all the members who are experienced contesters. Contesting will sharpen your skills for emergency preparedness and public service events.



While I am on the subject, public service is a way to give back to the hobby. It is fun, and there are many events during the year, from the Pittsburgh Marathon to the Rachael Carson Walk. We are a service organization and Skyview members have always been at the forefront of helping out during public service events. Don't be afraid to get involved, you will find out it's a lot of fun. We also continue to encourage all of you to make use of the repeaters .

Hamfest season is upon us, and It is a good way to bond with fellow hams, browse some old and new equipment and just have a good time for a few hours on a Sunday. If you want to experience the ultimate Hamfest think about a trip to Dayton, you won't be sorry.

So come up any Tuesday night, operate, rag chew with members, have some food and drink and just take advantage of all Skyview has to offer. Let's make this another great year at Skyview.

73 de Bill N3WMC

## Reginald Fessenden And The Invention Of Heterodyne

A pioneer of radio with a Pittsburgh connection

de Luc Berger-KC3MBM

Reginald Fessenden was born in Canada in 1866. After working for Edison in New York City, he became an electrical engineering professor at Purdue University in Indiana. He assisted George Westinghouse in providing ac electrical power to illuminate the 1893 Columbian Exhibition in Chicago. Then, Westinghouse hired him as chairman of the electrical engineering department of the University of Pittsburgh. He started working on problems of radio.

With the rich Pittsburgh investors H. Walker and T.H. Given, Fessenden founded the National Electrical Signaling Company (NESCO). On Christmas Eve 1906, instead of Morse code, he broadcast music by radio to several ships at sea off Brant Rock in Massachusetts. This caused a sensation and, together with similar events, marked the beginning of radiotelephony.

Radio waves generated by sparks are too incoherent for telephony. Instead, Fessenden used radio-frequency alternators where the rotor was an iron disk. Hundreds of radial slits were cut along the circumference. The iron between two adjacent slits played the role of a magnetic pole in a conventional alternator.



Fig. 1: Reginald Fessenden.

Fessenden's most important invention is probably the heterodyne, patented in 1902 [1]. We can explain the idea behind heterodyne without mathematics, with the help of a diagram (Fig. 2). It shows two radio waves of slightly different frequencies. Wave amplitude is plotted versus time at a given location:

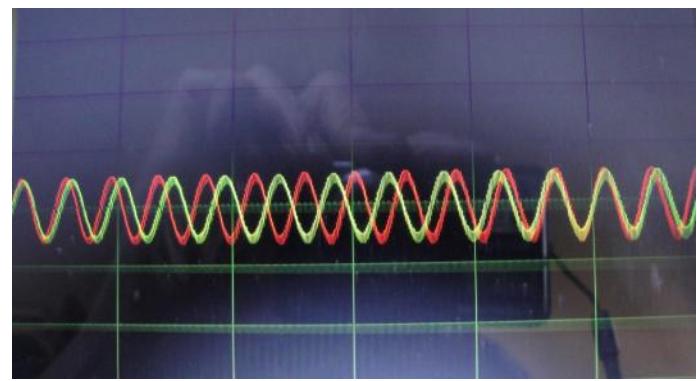


Fig. 2: Two radio waves of slightly different frequencies. Amplitudes of wave 1 and wave 2 are plotted on the vertical axis, and time on the horizontal axis.

On the left-hand side of the graph (Fig. 2), wave 1 and wave 2 are assumed to have the same phase, so that the wave amplitudes reinforce each other. However, because of the frequency difference, the waves will get out of phase with each other after some time. When the phases differ by 180 degrees, the two amplitudes cancel each other as shown at the center of Fig. 2. At a still later time, the phase difference reaches 360 degrees, and the two waves reinforce again, as shown at the right-hand side of Fig. 2.

Because of these alternating reinforcements and cancellations, the total wave amplitude, which is the sum of the amplitudes of wave 1 and wave 2, varies with time as shown on Fig. 3:

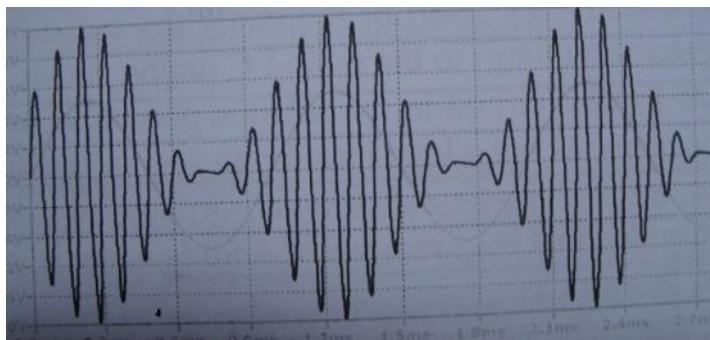


Fig. 3: The sum of amplitudes of wave 1 and wave 2 is plotted versus time.

Most members of the Skyview Radio Society will recognize the signal of Fig. 3 as a radio wave exhibiting a strong amplitude modulation (AM). The variations of amplitude shown there are used to represent an audio signal. If this combination of wave 1 and wave 2 (Fig. 3) is sent to an AM radio, a continuous audio tone will be heard. The frequency of that heterodyne tone is the difference of the frequencies of wave 1 and wave 2.

It is important to remember that the generation of the tone requires the presence of some nonlinear element inside the radio, such as a diode, transistor or mixer.

As many of us know, Fessenden's heterodyne invention is widely used to detect the presence of an unmodulated radio wave of the kind found in CW communications. That wave is combined with that of a so-called local oscillator of nearly the same frequency to produce heterodyne tones.

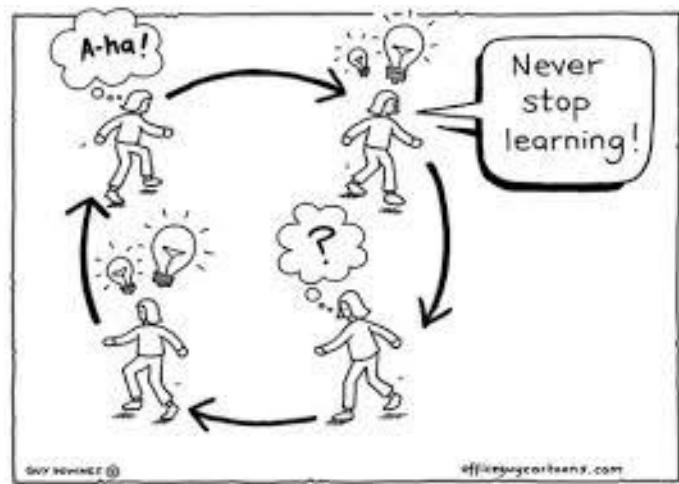
Sometimes, I have calibrated the frequency of a homemade RF oscillator by placing it next to a radio tuned to a local AM station. Heterodyne whistles indicate that the oscillator frequency is close to that of the station.

But, of course, the heterodyne principle is of much more general importance. With the help of a local oscillator and nonlinear mixer, a signal of a given frequency can be converted to any other frequency, while preserving its modulation.

For example, the great genius Colonel E.H. Armstrong patented the superheterodyne in 1918. There, the radio signal is down converted to a fixed frequency of a few hundreds of kilohertz where amplification is easier. In addition, this down conversion makes very narrow bandwidths possible with simple filters. Starting in the 1930's, most radios became superheterodynes.

[1]. <http://www.google.com/patents/US706740>.

Luc Berger — KC3MBM



## FCC Switches to New Online Registration System

Found in the December 2018 SKCC Rag Chew Newsletter:

[http://www.skccgroup.com/member\\_services/newsletter/issues/201812\\_Rag\\_Chew.pdf](http://www.skccgroup.com/member_services/newsletter/issues/201812_Rag_Chew.pdf)

The FCC is retiring its present version of the Commission Registration System, also known as CORES. As of March 1 of next year, anyone applying for an FCC Federal Registration Number, or FRN, must first create a username and password on the system before they can receive the FRN itself. That's already the case - but on the new CORES website anyone who already has an FRN from the old Commission Registration System will need to create a user name to continue managing it under the new system. You can find the website using the URL included the text version of this report. This is especially important for Volunteer Examiners while administering amateur radio license exams. FRNs are used in place of Social Security numbers. Hams who do not have Social Security Numbers must instead use their Taxpayer Identification Number to get an FRN. An FRN is required for everyone using this system. All hams who are already licensed and wishing to conduct business with the FCC, such as renewing their license or changing their address, also need to be registered properly through the new Commission Registration System so they have access to the online Universal Licensing System. It should also be noted that individuals with a new FRN will be able to log into the FCC's Universal Licensing System and set their preferences from receiving electronic copies of your documents to getting them on paper by postal mail, if desired. Again, look at the printed version of this report at [arnewsline.org](http://arnewsline.org) and you'll find the link to the CORES website: (<https://apps.fcc.gov/cores/userLogin.do>)

.....de **ARRL Newsletter**

## Free Antenna Book

Found in the December 2018 SKCC Rag Chew Newsletter:

[http://www.skccgroup.com/member\\_services/newsletter/issues/201812\\_Rag\\_Chew.pdf](http://www.skccgroup.com/member_services/newsletter/issues/201812_Rag_Chew.pdf)

*Rag Chew Editor... Here is a great book/pdf presented by Stan-ZL2BLQ. If you want to know about the different types of antennas you could use and you're not into math and technical jargon then this is the book for you! It has been uploaded to the SKCC files at:*

<https://groups.io/g/SKCC/files/ZL2BLQ%20Antenna%20Book/Ham%20Book.pdf>

*I've included Stan's preface to the book/pdf here so you'll get a feel for what Stan is presenting. I highly recommend you download his pdf. Stan says it is a work of and from many helpful ops.*

### Preface

One reason for writing this book is to educate you so you can make an informed choice concerning the best antenna for you. Another reason is to dispel the many antenna myths that circulate in the amateur community. The third reason is a desire to teach basic antenna theory to the average ham. Therefore, to achieve that goal, you should read this book from cover to cover. This book is about common medium wave and high frequency (short wave) antennas, but the theory presented here relates to antennas of any frequency. It is in a condensed form and the antenna theory is explained so most hams can understand it. Realizing many hams are mathematically challenged, only simple mathematics procedures are used. If you can add, subtract, and divide

A few principles in here are based on conclusions drawn from the Laws of Physics. Everything else in this book can be found scattered through the ARRL Antenna Book and nothing in here contradicts what is written there.

## The After Net

de John — K3STL

---

Have you noticed during the great Skyview weekly Thursday night net ran by Pat NK3P that so many hams check in, but only a few have comments? Well, I had an eyeball qso or two with our Radio Officer Bob Bastone, WC3O, about how can we get more local hams to talk on their radio.

We first tried the idea of a 146.520 MHz simplex net, but ran into issues with everyone trying to hear each other throughout the hills of Western PA. Others with beams had issues hearing one-another. WC3O and I went back to the drawing board and came up with a great idea... Let's have an After Net on the Big 64 Skyview repeater!

The purpose of the After Net is to get our local hams using their radios. You paid a lot for that shiny new rig (or maybe you're frugal and got a deal on a used rig) and wouldn't it be more fun to operate that rig other than keying up with your callsign and saying "no comments"? The more comfortable you get using your radio and the repeater, the more you will be on the repeater and talking to everyone. Maybe you'll be inspired to throw in a few more frequencies into the memory and talk on simplex or other local repeaters.

The After Net is held every first Thursday of the month after Skyview's weekly Thursday night net. The After Net operates in a roundtable format. What is a roundtable format you ask? Well, check in to the After Net to find out. 😊 Topics can be anything related to amateur radio with questions and comments strongly encouraged.

To date, we had three After Nets since its debut. The first After Net was held on November 11, 2018 with the topic of 2 meter/440 rigs and 7 hams checking in. The second After Net was held on December 6, 2018 with the topic of an experience you had as a new ham. You could have shared a funny

experience, a fun experience, a learning experience, or a memorable experience. Some of the "too nervous to talk" hams started coming out of the woodwork because we had 10 hams check in to the net. The third After Net was held on January 3, 2019 with hams enjoying the topic of their favorite ham radio. Some hams talked about their new radio and others took a walk down memory lane. The After Net must be gaining approval and participation because we had 13 hams check into this After Net.

Now that we got the ball rolling, it would be great to have our fellow hams chair the After Net and this, too, was well received. The next After Net will be on February 7<sup>th</sup> with Captain Jack, KA3HPM, as our host to discuss the topic of antennas. The topic can range from types of antennas (mobile, portable, base), style of antenna (dipole, vertical), homebrew antenna ideas, and anything else we wish to discuss. I think we all found amazement when first learning you can cut a wire to a certain length and then transmit and receive using that antenna. Additionally, our March After Net will be hosted by Don, WA3HGW, and at the time of newsletter print, Don is thinking up a topic to discuss. Knowing Don, I am confident the topic will be interesting and fun!

Have a topic you would like discussed? Contact either myself or WC3O and we'll put it on the list of discussion topics. We're really looking forward to fun and successful After Nets, so don't be shy... check in!

John K3STL (aka Tall Guy)

## Lids

This sense of *lid* is still common today in Amateur ("Ham") Radio (in the United States, at least), usually as "they're a lid", meaning "they're being a rude or unob-servant person." It doesn't refer to new operators, usually, as much as someone who is willfully ignoring convention. I can't really see how this originates from any meaning of *lid*; the most plausible origin to me seems the phrase "put a lid on", because as an operator, a lid "silences" others or "puts a crimp" in their operating.

*Boys' Life*, Feb 1932 is one of the earliest mentions I can find of a *lid* in radio:

"...taking care not to play the lid—"

"Lid?" questioned Soc.

"A **lid** is a radio operator who is either fresh from school or hasn't taken the trouble to learn to use his head and his fist at the same time."

*Popular Science*, Feb 1933 also shows *lid* used around the same time for the telegraph:

He uses a bug, but it runs away with him. As a sender he's a **lid**. He can't read ahead and has combinations.

This discussion about "lid" in amateur radio references some of the popular origin theories, such as the idea that operators would put the lid of a tobacco can on the mechanical sounder to make it easier to hear and also references a 1919 letter published in *QST*, from W. L. Matteson. Multiplex Plant Dept. W. U. Tel. Co., that suggests *lid* came into the amateur radio vocabulary from telegraphy.

So, then, it makes sense for the meaning to carry over from telegraph to ham radio. But how on earth does a "lid" come to refer to a person in the first place?

### *QST*, 1925:

The "**lid**" **operator** can be told very quickly when he makes a mistake. He does not use a definite "error" signal but usually betrays himself by sending a string of dots. The good operator sends "I ?" after his mistakes and starts sending again with ...

## de Chuck — K3CLT

### *QST*, 1927:

When you have traffic and want to get it off, DO NOT give it to a "**lid**" **operator**. If you do, the chances are that it will die right there. Many times I have become QSO with several stations in one direction, with the intention of QSRing, only to find ...

### *QST*, 1928:

We plead guilty to "getting quite a kick out of" operating our radio phone sets. The idea seems to prevail that no one except a "**ham**", a "**lid**" or a **rank beginner** even fools with phone. Unfortunately this is true to some extent but there are old ...

And:

... I flatter myself that I have become more than just a **lid operator**. I hold a commercial license, am an ORS and have made a fair showing in traffic, and to you, OM, I owe a great part of my success. You were my first schedule and I have tried to ...

And:

... gave several humorous anecdotes of his first trip as a "**lid**" **commercial operator** on the Great Lakes.

### *Telegraph Workers Journal*, 1930:

Can it be a New Year's resolution, and that he is starting at the bottom like an **inexperienced "lid"**? Two nasty accidents occurred in "Mu" since the advent of the New Year. Andy and Archie fell off the booze-wagon. Nothing serious happened ...

However, *Popular Science* (1933) quoted in the question is all about trade jargon, and includes an English translation of "Telegrapher's Lingo". The full description is of a novice, but specifically translates *lid* as poor, showing the meaning is changing:

He uses a bug, but it runs away with him. As a sender he's a **lid**.

**Portable Contesting**  
or  
**It's Déjà Vu All Over Again**

In the 2017 PA QSO Party, Forest County was one everyone seemed to be looking for. A very good friend of mine moved to Forest County several years ago after he retired. He lives in the middle of the Allegheny National Forest, about 12 miles east of Tionesta. Wow I thought, next year I can operate portable from Doug's place and I'll be the station everyone wants to contact. I could envision run rates of 70 or 80 per hour. I would need to get Doug's OK, which should not be a problem. Doug understands this ham radio thing as his brother Harvey has been a ham since they were both teenagers. (Harvey got his Novice License, WN3EIB now WA3EIB, at Skyview in the mid 60s) I would need a place to operate since I didn't want to be an intrusion in the house. Fortunately, like a lot of country homes, Doug has a few out buildings. The best choice was his woodworking shop. The shop is an Amish build shed about 10 x 15 feet, and is around 70 feet from the house. I should mention it is not insulated and not very air-tight. The good part of the location is being near some pretty tall trees.

Two weeks before the 2018 PA QSO party, I made a drive up to Doug's to get the lay of the land, and prepare for the antenna installation. A simple G5RV antenna should give me all-band operation. I borrowed the club's "Air Boss" antenna launcher, and got two lines up in the trees to hold up the ends of the G5RV. We went over my needs for setting up in the woodworking shed. Doug basically set up a small folding table in front of the work-bench to hold the radio, antenna tuner and computer plus a chair. Doug said he would have that ready for me.

So why Déjà vu? I was part of a group that did the same thing back in 1969. In the 1968 phone No-

ember Sweepstakes, there were basically no stations on from Vermont. Several of us from the Germantown Radio Club (GRC) in Philadelphia decided on a mini DXpedition for the 1969 Sweeps. We rented a ski cabin just over the state line in Vermont and prepared to be the station everyone wanted. We left Philadelphia Friday afternoon, and arrived in Vermont a little before midnight. Early the next morning the antennas were set up. We had a 30 foot aluminum tower with a tri-band beam and dipoles for 40 and 80 meters. The station was located in the breakfast nook of the cabin. Once the contest got underway, we discovered there were at least three other groups that traveled to Vermont with the same idea. That year Vermont was not the rare section everyone was looking for!



Well, the 2018 PA QSO Party had the same effect. Except this time I knew I would have competition in Forest County. At the Dayton Hamvention, Doc, K3MD, mentioned he too was planning to operate the QSO party from Forest County. Oh well, I was not likely to beat out Doc, but proceeded with the plan anyway. So how did it work out? It would

have been better if the contest was the previous weekend when the temperatures were up to the mid 60s. Contest weekend, the temperature was in the mid 40s down to the low 30s at night. I had a small ceramic disk heater running on high blowing on my hands to try to keep my fingers warm enough to hit the correct keys on the computer and tune the radio. I only operated a few hours at a time before needing to go to the house to warm up. I managed to operate about 12 hours of the contest. Besides Doc, there was one other portable station from Erie set up just a few miles down the road from me. So once again, what was the rare location last year is covered pretty well this year. But that's Ok, since I had lots of fun operating, and did have several good "runs" at a nice QSO rate. In the end, I came in 4<sup>th</sup> place in PA in Portable Single Op and 2<sup>nd</sup> place in Forest County. (Is that 2 out of 3?) Next year? I think I'll see what I can do to help out the Skyview club score.

Don - WA3HGW



### Until the Contest Is Over, Like Always!

#### Ham Ads Accepted

Have you bought some new equipment and need to sell something to make some room in the shack?

First try the real-time K3MJW Yahoo Reflector .

If that does not work for you, or if you want to include pictures, you can advertise here.

This newsletter goes out to other clubs and is also available to anyone who wants to go to the web site to get it. So, you may reach a larger audience.

Submit to : K3JZD AT ARRL DOT NET

#### Newsletter Fillers ??

While I will put some stuff in here that I have found in another club's newsletter or on the Internet, I would prefer to put your stuff in here instead.

I am always happy to get articles which discuss your opinion on some new radio, antenna, or other ham gear that you have purchased. I am not looking for QST type technical dissertations - I am looking for operating experiences with it. What's great? What's good? What is not so great?

I am always happy to get your pictures: Shacks, radios, mobile setups, antennas, customizations, etc.

Lots of new folks will benefit from you sharing your experiences.

## **Winter Field Day**

---

It is January . . . The temperature is below freezing . . . . Snow in the air . . . . Snow on the ground . . . .

. . . it must be time for Winter Field Day !!

Good argument for doing it - serious problems that need us do not always happen in the Summer - the logistics of setting up an emergency operation in the Winter is much different than setting up an emergency operation in the Summer. Here in the North, personal survival becomes a concern.

We had a few hardy Skyview members (W3CDW and N2GBR) setup and operate from the Skyview grounds. A temporary radio on battery power and a temporary wire antenna. Some others came out to operate or observe.

The rules do not require that you operate from outside - but our guys said it is gets them more into the spirit of the event !! And there could be a case in a real situation where being under a roof is as good as it gets. Solar Panels are not real useful in a Pittsburgh January, so it is just battery power. Running QRP will make that battery last much longer.



Chris W3CDW, with Shawn KC3EJC waiting to get a turn.

Richard N2GBR with the mike in one hand and coffee in the other hand.



## Q5er – The Official Newsletter of the Skyview Radio Society

---



Operating Position

The rig is a KX2



Rich KC3KXG came out to learn more about this hobby that he has joined and to get a turn at operating.



Home Sweet Home??

**The bottom line :**  
**88 SSB QRP Contacts for a score of 5556.**

I saved this space for  
YOU

But, I did not get anything from  
YOU

But, I will hold it open for  
YOU

to use in the next issue

Submissions to : K3JZD AT ARRL DOT NET

**Skyview Radio Society Roster as of 31JAN19**

NM3A	WD3HAY	KC3LRT	I2RTF
WB3ACC	KB3HGJ	AB3LS	K3RWN
W3ANX	WA3HGW	KC3LVC	KA3RXY
KC3AY	KA3HPM	N2MA	KQ3S
NA0B	KC3HRO	KC3MBM	KD4SBJ
N3BPB	KB3HXP	KC3MIQ	KB3SEU
W3BUW	KC3IIO	K3MJ	KB3SOU
KC3CBQ	W3IU	K3MRN	K3STL
K3CLT	K3JAS	N3MRU	KB3SVJ
K3DCG	KC3JBS	KG4MSB	N3TIN
KC3DIA	N3JLR	KB3NSH	W3TLN
KC4EGG	KA3JOU	AJ3O	N3TTE
KC3EJC	N3JPB	AK3O	AG3U
AB3ER	ND3JR	WC3O	K3VRU
KC3EVT	KC3JSF	K3OGN	W3VYK
KB3EYY	KB3JXG	KB3OMB	N3WAV
KC3FEI	KC3JXO	KR3P	K3WKP
K3FH	K3JZD	NK3P	N3WMC
K3FKI	KC3KEI	W3PRL	W3WTJ
KC3FWD	WA3KFS	AE8Q	KZ3Y
N2GBR	KB3KHR	WQ3Q	KB3YJQ
KC3GIL	AC0KK	NJ3R	W3YNI
KC3GIN	N3KNB	KB3RBV	W3YNX
AB3GY	W4KV	N3RHT	
KC3GZW	WA3LCY	K3RMB	
NC3H	KC3LHW	W3RRK	

Notes: Only Call Signs are being published. Refer to QRZ.COM for more information. (Unable to publish those without Call Signs. )



## You May Not Want To Spend Your Money On These Services

---

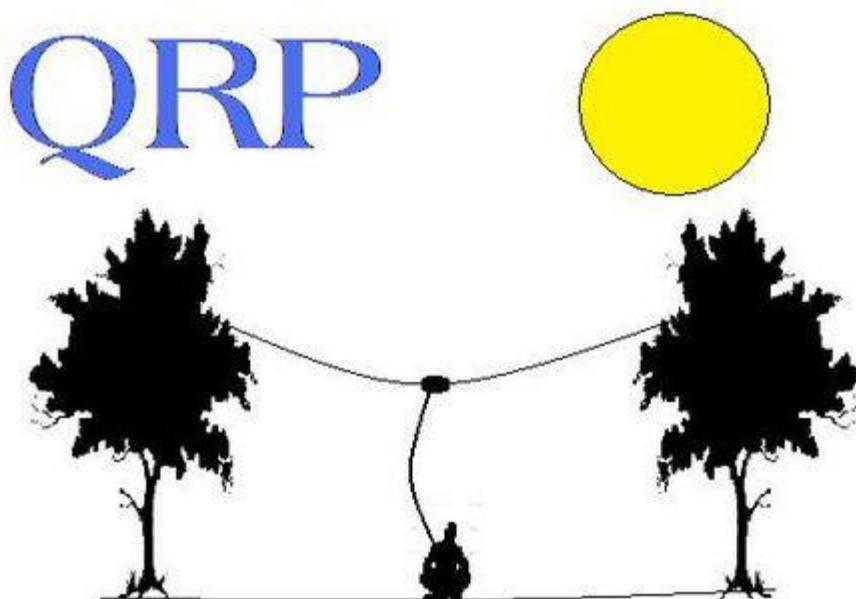
[Identical Twins Test 5 DNA Ancestry Kits, Get Different Results On Each \(www.cbc.ca\)](http://www.cbc.ca)

Freshly Exhumed writes: Uh-oh, something is not right with the results of most popular DNA ancestry kits, as a pair of identical twins have found. Charlsie Agro and her twin sister, Carly, bought home kits from AncestryDNA, MyHeritage, 23andMe, FamilyTreeDNA and Living DNA, and mailed samples of their DNA to each company for analysis. Despite having virtually identical DNA, the twins did not receive matching results from any of the companies. "The fact that they present different results for you and your sister, I find very mystifying," said Dr. Mark Gerstein, a computational biologist at Yale University. Gerstein's team analyzed the results, and he asserts that any results the Agro twins received from the same DNA testing company should have been identical. The raw data collected from both sisters' DNA is nearly exactly the same. "It's shockingly similar," he said.

de <https://slashdot.org>

---

---



**When you care to send the very least!**

**Use 5w - Save the other 1495w for some other day**

## Cell Phones and Ham Radio

*“Cell Phones allow you to talk to your friends.*

*However, Ham Radio allows you to make new friends.”*

Ashton Feller - KD9HRG - Age 13  
(From June 2017 CQ Magazine)

## Welcome New Members !!

Welcome the following Skyview Radio Society Members who have joined us since publishing the December 2018 newsletter:

KC3MMN - Nick Montgomery - Adamsburg

KC3MNO - Bo Kwasny - Irwin

KC4EGG - Matthew Parker—Brackenridge

WB3ACC - Lee Weifenbach - Pittsburgh 15229

KC3LVC - Scott Gliebe - Pittsburgh 15206

## \*\*\*\* Skyview VE Testing \*\*\*\*

**For EVERYTHING that you need to know, go to:**  
<https://www.facebook.com/SkyviewRadioSocietyHamRadioTesting/>

**(This will tell you what you need to bring with you)**

Skyview Radio Society Contact person: Bob Worek, AG3U  
e-mail: ag3u at arrl.net 724-410-1028

Location: Skyview Radio Society clubhouse. 2335 Turkey Ridge Road. New Kensington, PA 15068.

Directions, and map are on  
<http://www.Skyviewradio.net>

Please schedule in advance. While walk-ins accepted, exam may be cancelled if no candidates are scheduled.

If you are a reader who is interested in becoming a member, then go to: <http://www.skyviewradio.net/> for information.

If you are a reader who is not yet a ham, and you are interested in becoming a ham, , then go to: <http://www.skyviewradio.net/> for information.

## >>>> WARNING <<<<<

A new Alarm System has been installed up at the joint. Do Not go in there on your own until you learn how to disarm and rearm it.

## Become Well Known Publish in the Q5er

**The Q5er goes to other clubs and is available to all on our web site.**

**Submissions to : K3JZD AT ARRL DOT NET**

## Kul - Links

Jody - K3JZD

There is lots of stuff out on the Internet... Some of it can brighten your day. Some of it can educate you.

I can't really copy and past it all in here. But, I can point you at some of it . . . .

AT&T, who now owns DirecTV, says that are done with sending up new DirectTV Satellites. The article suggests that the Satellite TV business may be coming to an end. Not the kind of thing that people living in rural areas without any cable TV want to hear . . . .

<https://qz.com/1480089/att-just-declared-the-end-of-the-satellite-tv-era-in-the-us/>

Ever thought about Pedestrian Mobile (a sure fire way to let your neighbors know you are truly wacky if you try doing this while walking around in your neighborhood). Here's an extremely thorough Pedestrian Manual for you. (Actually this has lots of good info on lots of things in here):

[WA3WSJ PM Handbook 2nd Edition](#)

Edward R. Breneiser, WA3WSJ

*CAUTION - download is 3MB PDF File*

I'll consider any Kul - Links that you find.  
Email then to me at: K3JZD AT ARRL DOT NET  
They might just end up in the next issue

## Previous Issues

Previous Issues of the Q5er are available at

<http://www.nelis.net>

**Next Newsletter will be April 1, 2019  
Closing Date For Submissions : Mar 15, 2019**

[K3JZD AT ARRL DOT NET](mailto:K3JZD@ARRL.NET)

## Issue Wrap-up

I'm sure that you skipped over some of the stuff that you were not really interested in. Hopefully there was enough in here to make it worth opening.

This issue is a little thin this month. But certainly a nice variety of material. There is so much information about our hobby that is available out on the internet - all it takes is a little Googling to find it. I am sometimes tempted to use some of the stuff that I run across. But I prefer to use reader submissions rather than just fill up pages.

As usual, not much real club boilerplate or timely club news in here. The club web page, the club Facebook page, and the K3MJW groups.io reflector all have the basic club info and more timely club news. This newsletter is really for 'all else'. So, send me your 'all else' stuff.

Jody - K3JZD

Here is what I feel is a worthwhile Facebook group :

<http://tinyurl.com/y873zl6c>

It is called "*Amateur (Ham) Radio on a Budget*", and is a very dynamic group.

Lots of people exploring lots of ideas and lots of people sharing experiences.

Kind of a on-line Elmering Group which would be helpful to new hams.

Jody - K3JZD

## Q5er – The Official Newsletter of the Skyview Radio Society

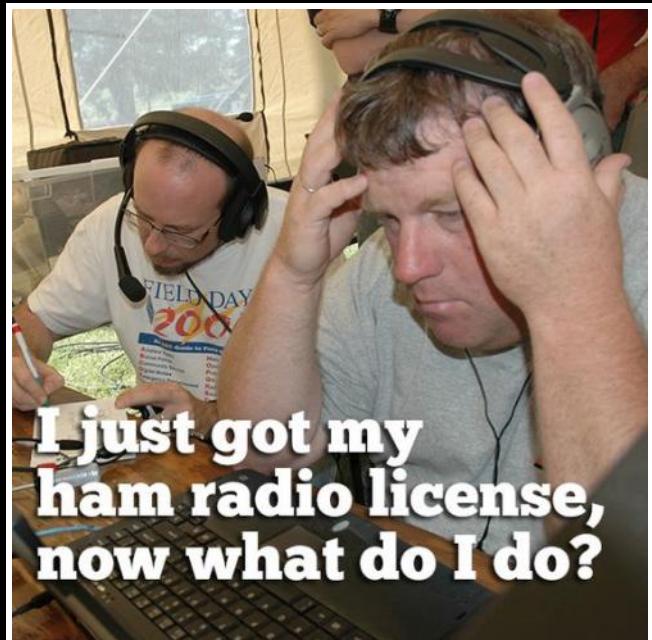


Q5er Editor & Publisher: Jody Nelis - K3JZD

This newsletter may be freely forwarded.

Permission is granted to other Amateur Radio publications to reprint articles from this issue, provided the original author and "**The Skyview Q5er**" are credited.

email your comments and article submissions to: **K3JZD AT ARRL DOT NET**



That's Easy ....

Come up to the Skyview Clubhouse on any

Tuesday and ask !!!

All General Information about the Skyview Radio Society is at <http://www.skyviewradio.net>

Subscribe to K3MJW **groups.io** reflector for All Current News & Activities : <https://groups.io/g/K3MJW>

If you want to keep up with what is going on NOW, that is the place - have it forward msgs to your email



Is this how your dining room looks ??

Where are the pictures of your shack ??