

The Printed Circuit

Newsletter of the Tallahassee Amateur Radio Society

NOVEMBER 2015

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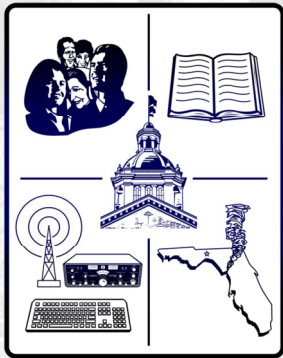
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The Printed Circuit – November 2015

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The Next TARS Meeting - Thursday, November 5th

7:00 p.m. at the Capital Area Chapter of the American Red Cross – 1115 Easterwood Drive

The Tallahassee Amateur Radio Society regularly holds its business meeting at 7:00 p.m. on the first Thursday of every month.

Talk-in is on the "0-3" - K4TLH repeater 147.030 (+.600, tone 94.8)

Join us Thursday, **November 5th**, at **7:00 p.m.** at the **American Red Cross** as **Randy Pierce, AG4UU**, gives a concise update on our local repeater system and the statewide **SARnet**. As many of our new Techs in the area may not fully understand the advantages and limitations of using their HTs to access repeaters, Randy will go into length on the subject. Afterwards, the club will discuss the exciting upcoming **Spaghetti 100**, which will be on the following Saturday after the November meeting. - **See you all there!**



Upcoming Events Please Visit K4TLH.net or Facebook.com/K4TLH for more information

NOVEMBER

November 5 (Thursday)
- TARS Meeting –

November 7 (Saturday)
- **Spaghetti 100** –

DECEMBER

December 1 (Tuesday)
- VE Testing -

December 3 (Thursday)
TARS HOLIDAY PARTY!
No business meeting held.

**\$25 – Make Check to TARS
Due by November Meeting!**

JANUARY

January 7 (Thursday)
- TARS Meeting –

FEBRUARY

February 2 (Tuesday)
- VE Testing -

February 4 (Thursday)
- TARS Meeting –

From The President

Well it's November! It's time to look back and see where we've been and to look forward to where we are going. The club has grown over the past years! Several meetings have produced standing room only attendance and others have been sparse. It is not easy to plan activities to meet everyone's expectations; amateur radio is a much segmented hobby with many niches. As a general purpose club we try to emphasize what most members would be interested in but also introduce different segments of the hobby.

To make meetings interesting and informative takes thought and planning. We have to work with the resources we have and within our limited geographic area. Therefore, we rely on members for ideas and suggestions for topics. And if they are possible we then need members who are willing to share their knowledge.

Next year will be challenging. We have Field Day and need a leader. We have elections and will need officers. Will YOU step forward when called?

As a reminder, November 7th is the Capital City's Cyclist's, *Spaghetti 100* Bike Ride. TARS, along with the Thomasville Amateur Radio Club, will be providing support. Check your calendar and let either David Miner, W4SKG, waskg@arrl.net or George Harmon, KJ4PVB, gharmon24@gmail.com, know your availability. More than likely the net will be using one of three repeaters; Tallahassee's 147.03 (+600, PL tone: 94.8,) the Metcalf repeater, 147.195 (+600, PL tone: 141.3,) or the Boston repeater 147.24 (+600, PL tone: 141.3,) or possibly all three. As you will be mobile you will need a car with a good rig and antenna.

Remember, in lieu of the TARS December meeting on December 3rd, TARS will hold their annual Holiday Party. Members and their guests will meet at the Capital City Country Club around 6 pm for a buffet dinner. The cost is \$25 per person and payable to TARS no later than the November 5th. Door prizes will include gift cards to Tallahassee area restaurants, an ARRL 2015 Handbook, TARS Yaesu Fusion shirts, and 2 portable radios, and several other prizes. A ticket for the door prizes will be given to each attendee. This is an excellent opportunity for you and your guest to meet other TARS members. This is one more way to support the Tallahassee Amateur Radio Society.

At the September TARS Technician class an anonymous donor dropped off a pair of Kenwood Twins, T-599D and R-599D. This equipment is over 30 years old and not in good working order. They are also not suitable for a newer ham. It was decided to use *eBay* and see if they could be sold. Along with the Kenwood equipment was an MFJ-262 1000 watt solid state dummy load, a B&W 375 6 position coax antenna switch, a Van Gorden Engineering PD-8010 parallel dipole antenna, and several books dating from the mid-80's. These items will be auctioned off at the November meeting along with 3 TARS laptops used by the club prior to 2015's Field Day.

Late breaking news: Remember back in February when the club completed in the CQ WPX Contest? Well as a club, each participant was asked to submit their score crediting TARS as their club. The results are in November issue of CQ Magazine, out of 60 clubs TARS was 49th. I talked to Stan, K4SBZ, and it's time to do it again! This time it will be during the *ARRL Sweepstakes* – 'Phone' on the weekend of November 21st. More information will be given at the club meeting or in TARS bulletins.

73, **Gerry Gross, WA6POZ** WA6POZ@arrl.net (TARS President)



SPAGHETTI 100



Make plans to join the Capital City Cyclists for the 32nd Annual Spaghetti 100 on **November 7th**, 2015. This iconic ride starts at the Miccosukee Community Center and rides into the scenic back country of North Florida and South Georgia. The road routes take riders through historic Thomasville and Boston in Georgia and then through Monticello in Florida. As always, a delicious spaghetti dinner – that's right FREE DINNER - will be available at the end of the ride. For more information about the race, see <http://ccyclists.org/spaghetti100/>.

TARS will be providing a watchful eye and radio communications to ensure the safety of the riders during the event. In addition to assignments along the route which will be on the Florida side of the course, we have need for hams to support the mechanic and medic functions, as well as a "Tail-End Charlie" throughout the route. APRS capability is preferred for those last three functions and all hams should have mobile UHF/VHF capability. **Learn more at the next TARS meeting!** The *Spaghetti 100* has always been a fantastic event, **especially for NEW HAMS**, so come out and join the fun! Drop an email to either David Miner, W4SKG, waskg@arrl.net or George Harmon, KJ4PVB, gharmon24@gmail.com and give them a heads-up on your availability.



The 2015 TARS Holiday Party

Don't Forget – NOVEMBER 5th is the DEADLINE
Sign Up for only \$25 at the Next TARS Meeting!

Make Reservations Now! Time is running out if you haven't already made your reservations for the TARS Holiday Party. **No payments will be accepted after November 5th**, and *only those who have paid their \$25 to Norm will be admitted to the dinner.*

The party will be held on Thursday, December 3rd, from 6:00 to 9:00 p.m. at the **Capital City Country Club, 1601 Golf Terrace Drive** in Southeast Tallahassee. Social time will be from 6:00-6:30 p.m. and the buffet style dinner will be served at 6:30 p.m. We must vacate the facility no later than 9:00 p.m. The cost per plate will be only \$25 but must be received by our club Treasurer, Norm Scholer (K4GFD), no later than Thursday, November 5th, 2014. Checks should be made out to **TARS** and can be paid at the November meeting on Thursday, November 5th, or mailed to Norm at 436 Louie Dean Rd, Chattahoochee, FL 32324. *Do NOT mail to the TARS P.O. box.* Also, be prepared to choose your entree: Herb Roasted Chicken or Beef Bourguignon. Door prizes will include gift cards to Tallahassee area restaurants, an ARRL 2015 Handbook, TARS Yaesu System Fusion shirts, **2 PORTABLE RADIOS!**, and several other fantastic prizes. A ticket for the door prizes will be given to each attendee. Get that "eyeball" QSO with your long-lost radio friends.

So mark your calendar now and write out your check for your reservation. Happy Holidays!

The TARS Technician Prep Class – *A Success!*



TARS held a very successful Technician Class on September 26th at the Red Cross facility. We had 11 potential Amateurs, all of which earned their Technician Class License and two that passed the General Class License exam. We had 1 walk-in for the testing session following the class.

TARS wishes to thank Phil, N4IPH, Norm, K4GFD, David, W4SKG and Gerry, WA6POZ for helping with the class as well as Alan, N4KGT, for holding a testing session after the class. All served as VE's for the testing session and were very pleased with the results. Thanks also to Sal, K4YFW, for scheduling the classroom at the Red Cross, the local Red Cross for again

providing the classroom, Mike, K4ICY, and Stan, K4SBZ, for the announcements about the class in the Newsletter and notices. Good luck to the newly licensed Amateurs and thanks to them for coming prepared by studying the material and reviewing the questions in advance, being prepared makes a big difference! *TARS looks forward to hearing you on the air!*

TARS should be planning on holding another Technician License Prep Class in February or March of 2016.

Annual TARC Veterans Day Fish Fry & Election Meeting – *All are Invited!*

The 2015 Annual Thomasville Amateur Radio Club's Veterans Fish Fry and Election Meeting will be held on Saturday, November 14th at the Thomas county EOC, located at 1202 Remington Avenue in Thomasville, GA. Setup and cooking will begin around 2:00 pm, for those that are coming to help with diner being served about 5:00 pm, by reservation. As usual the club will provide the Catfish Fillets, Mullet, French Fries, Hushpuppies, and more! Guests are requested to bring a side and desert for others to share. Please email Eleanor, AK4QW, at: ellydoe4841@aol.com with your reservation and the sides you will bring. The deadline to sign up is November 3rd. Additional questions and comments should be forwarded to Gary, ka3fzo at: ka3fzo@gmail.com.



Following diner we TARC hold their annual elections and Veterans Awards Ceremony. 2016 Annual dues, equipment fund donations will be accepted at this time. TARC Hopes to see you all there!

The Trading Post Equipment and Services

RADIO-RELATED ADS ARE FREE! Know a local radio repair service or parts source? Give them a boost here!

3 MONTHS – 350+ READERS – FREE! BUY – SELL – TRADE... As-Is, New, or Whatever!

If you have ANY personal amateur radio items that you would like to sell or need, we will publish requests in The Printed Circuit (subject to editorial review.) Please submit your requests to the newsletter editor (Mike Maynard, K4ICY) at k4icy@arrl.net **by the 20th** of the month. Please supply photos and descriptions if possible. You will get three months of FREE ad space here unless otherwise specified.

How many hams have you met that have the same interests today as when they started out? For instance, some of you will remember that I was once the TARS newsletter editor before I turned it over to our current editor, who has made it such a success. I was involved in emcomm for a while and held a North Florida section level position. I have been active in all of the bicycle races and have chaired the Tallahassee Marathon before turning it over to someone new this past year. I was even TARS president for a year! My interests have ranged from operating on the repeaters and with D*Star a few years ago to PSK31 to RTTY to DX and contesting, while dabbling with a variety of other things along the way. My interest in (and enjoyment of) all these activities ebbs and flows over time. But I haven't gotten bored because I've kept moving!



Unfortunately, too many hams start out with an interest in one area and never explore all of the many other exciting corners of our hobby. Many hams never go beyond the occasional use of their HTs. There are many hams that I have met over the years and that I have helped receive their licenses that I know still live here in town, but I don't see them at club meetings, Field Days or on the air. Will they renew their licenses at the end of their ten years? Probably not. They have just lost interest. Could this sad result be avoided by the enthusiastic guidance of an "Elmer?"

On the other hand, sometimes we lose someone due to "burnout." They focus so intently on the competitive chase of contesting or DXing or whatever that eventually it wears them down and they quit. For them, it wasn't fun anymore. This happens in all sorts of activities, of course; at work, in one's church or other social groups, our volunteer groups, and even within groups of friends. What was once a rewarding or relaxing activity now holds one captive until escape is the only recourse. This is particularly sad in ham radio because the hobby has so many different facets. If one wearies of building equipment, countless operating events exist. Even just a slight change can be enough. If you are burning out on DXing or contesting then try working QRP for a different perspective on it.



Or maybe you just need a short break. If running a club or emcomm team is getting old, take a little time off. What would happen if you took a break? Would the world come to an end? I once read, "If you think you're indispensable, put your hand in a bucket of water then pull it out. If there's a hole left behind where your hand was, then you're indispensable." I tried it. I'm not. And while you are "on vacation" from the old, what better time to try something new, even if it's just for a short time? Maybe you will like it.

When was the last time you tried something new?

Ham radio is a huge world with many exciting things that many of us haven't even heard of. [Here's just a sample of a few aspects you might look in to: DXing, Contesting, Sweepstakes, QRP (Low-Power), QRO (Legal-Limit), Electronics, Kit Building, Homebrewing and Modding, New Digital Modes including the increasing use of Software Defined Radios, Microprocessors and Microcomputers, Original Digital Modes including CW, RTTY, Hellscriber, SSTV, FSK, Packet, PSK31 and etc... Satellites, Earth-Moon-Earth and JT65 are challenging, there's Foxhunting and EmComm preparation, and you can try Trail Operating or Remote Operating (using an Apply Watch) ...the list goes on and on!] Don't be bored. Don't burn out. Try something different. Expand your horizons. Have fun!

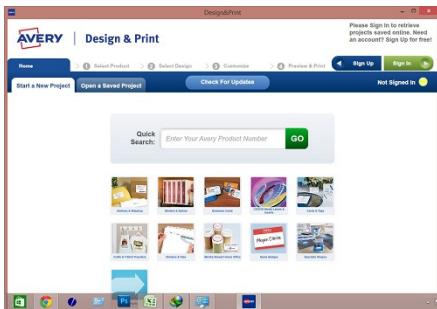
Stan Zawrotny, K4SBZ K4SBZ.Stan@Gmail.com

Do you mail out actual QSL cards for some of your contacts? Do you hand out printed business cards with your callsign on them, or maybe even small scraps of paper with your contact information scribbled on them, when you meet people or family members interested in Amateur Radio? If you're not into sending out QSL cards then you might want to view a very good YouTube video by **Randy, K7AGE**, (www.youtube.com/watch?v=W67cgCEO1G0). He goes over the basics of QSL cards and the reasons many Amateurs still enjoy exchanging these "proof of contacts." I have written several articles on the fun of collecting and exchanging QSL cards in past TARS Newsletters. Even with all the modern electronic methods of verifying your contacts, such as *Logbook of the World* and *eQSL.com* QSL Cards are not outdated.

Avery[®] makes a variety of business and home labeling templates, name tags, stickers and other office supplies. We have all probably used many of their products at work or at home for many years. To encourage the use of their products, Avery has provided businesses and consumers with FREE software and templates. The templates can be used with *Microsoft Office*[®] or Avery's own software, (not sure if the templates can be imported into *Adobe Photoshop*[®] or not since I don't own a current copy.) You can print your own project or have Avery print it and send it to you by mail.

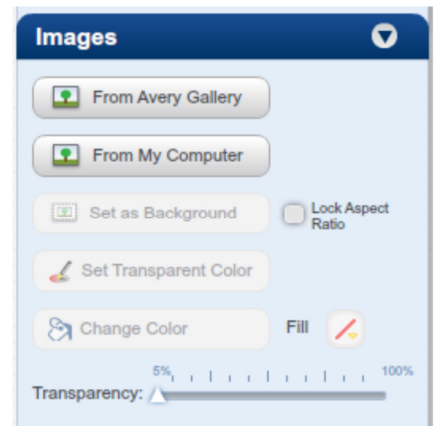
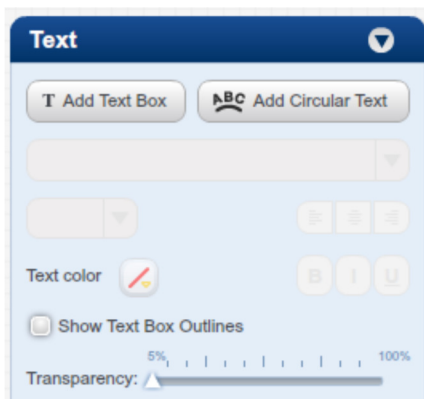
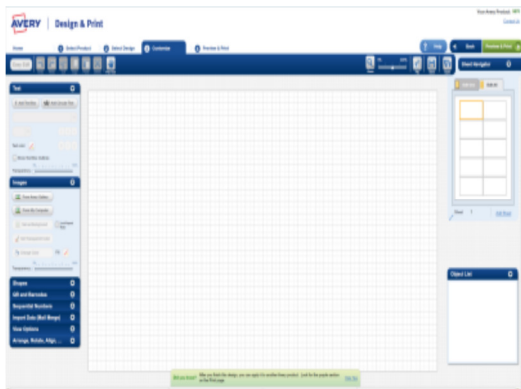


A number of years ago Avery came out with *DesignPro*[®], which in my opinion, does a better job than Microsoft Office and easier to use. I've used *Microsoft Publisher*[®] and it does a fairly good job but I had a little trouble getting the alignment set up on my laser printer. The Avery software had no problems with alignment. I recently updated the Avery software to **Avery Design & Print**[®] which is a free download from their website (www.avery.com). I would like to add a word of caution here that there are other websites that try to trick you into downloading from them rather than directly from Avery. They have the words "Design and Print" in their link, but it is NOT authorized by Avery and most likely contains malware! Go to the Avery site directly, download their software and templates, and you shouldn't have any problems.



To start off using the program you select the Avery product number you will be using by entering it in the window. For example: if you want to make a Business Card size "Eyeball QSL" you can select "5371" which is a single sided card with 10 cards per sheet. If you wish to make a 2 sided card, you have that option when starting the project. I like to start with a blank card and add the text and graphics as I need them rather than using one of the pre-defined templates. If you decide later on to use the same design on a postcard, all you need to do is change the product code. You may need to do a few slight adjustments, possibly adjust the font size and graphics position, but you don't need to start over with your project.

After selecting the product number, you are presented with a full screen design window, with a number of options listed on either side of the screen. The first box on the left is a Text Box tool that allows you to insert either straight or curved text, then select the font, font size, color and position on the card (left, center or right justified.) There is also an option to adjust the opacity of your text. Simply moving the slider can give you a "Transparency" range from %5 to 100%, this can give an artistic effect to your project. The next box allows you to add graphic images to your project, either from your own library or from Avery's gallery included with the program. If you are a member of the ARRL you can use their logo on your project.



I found that you need to save the image to your computer first, simply copying and pasting doesn't work too well. I save the graphics images to a folder and then import them to the project using the selection box on the left of the screen. The .bmp format doesn't seem to work very well, so I use a graphics editor to change it to a .jpg format so it can be imported from my computer. If you don't have a graphics editor there is a very good one at a great price: FREE! **GIMP** (<http://www.gimp.org/downloads/>) can be installed and used to crop, edit, enhance and even change format of your image. You can then insert the image into your Avery Design & Print project. There is an optional GIMP User Manual that you can download and review before you install the actual program, or you can use the on-line version of the manual (<http://docs.gimp.org/2.8/en/>).

There are a number of YouTube videos on using GIMP as an image editor. I've listed a few YouTube video tutorials below that start with the basics. Another similar program is **PAINT** (<http://www.getpaint.net/download.html>), a free replacement for *MS Paint*. Be sure to read all the information on the download screen as I mentioned above. There is a default option to make PAINT your default image editor along with some additional files, if you don't want this setting or the other files, uncheck the boxes before downloading. There are also YouTube videos available on using PAINT if you decide to use this program.

What kind of graphics or image are you going to use in your QSL card or business card project? The easiest choice is to take a picture of yourself at your home station, or even better, a picture of you operating away from your home station! You can, of course, use any type of graphics or art available online, though I give you a word of caution about using graphics or images in your project downloaded from the internet or other webpages without obtaining permission or license to do so. About a year ago I wanted to use some images from some old cartoons by ARRL's Philip "Gil" Gildersleeve, W1CJD, in some of my articles and class materials. I contacted the ARRL's Production Coordinator and was informed that you needed to get permission from the ARRL to use the material. Just send them an e-mail requesting the use of an ARRL cartoon or other graphic and they would respond in a day or so.



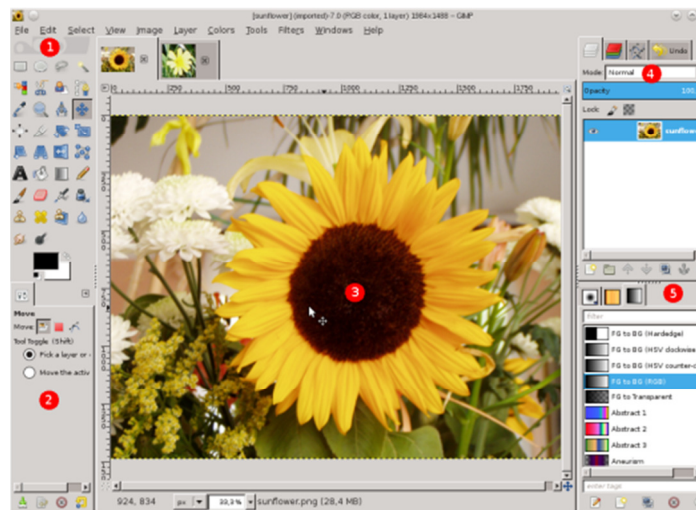
I did a simple search on YouTube for a video on obtaining images to use on personal items such as business cards or other projects. There were a number of very informative videos on using images from the internet. Most of them warn you not to just copy an image from a GOOGLE search that could possibly get you into some legal problems [many of you may remember the issue that TARS ran into a while back concerning the use of an image owned by a licensing firm.] A number of stock photo sites require a registration (some want \$\$\$ and others are free.) In most cases, sites that use the **Creative Commons** rules such as flickr, request to provide a link back to the image or user or give credit to the source of the image below the graphic. Check the rules of use on the link listed below.

The easiest way to get a graphic is to draw it yourself, have a friend draw it or get Mike, K4ICY, to make the graphic [if you are submitting an article or editorial to The Printed Circuit.] Considering photos, just take your own! These can be pictures of your equipment, your antennas or a "selfie" of you operating your station. Your own personal touch, especially in using your own photos, makes the most collectable QSL cards anyway. We might want to have a show and tell at one of the TARS meeting, where we bring in some of the more unusual QSL cards we have made and received over the years.

Links to Topics in the article:

- Dan Vanevenhoven, N9LVS: www.youtube.com/watch?v=D1ovl3N8fPU
(Dan's YouTube Channel: <https://www.youtube.com/channel/UCoTW-vIEhEmdYw4AE2vOQRA>)
- Randy K7AGE QSL video www.youtube.com/watch?v=W67cqCEO1G0
- Avery Design & Print Overview: www.youtube.com/watch?v=9auejyDsH45
- GIMP Tutorial: www.youtube.com/watch?v=P143GdVeMjE
- Beginner Photo Editing Basics Tutorial – Gimp: www.youtube.com/watch?v=NclPME9X_r4
- Gimp: (How I Edit) www.youtube.com/watch?v=Atk3glHaMjo
- Where To Get Free Stock Photos: www.youtube.com/watch?v=Ih1wT4HwzvU
- Creative Commons website: <https://search.creativecommons.org/>

73 de Phil, N4IPH philashler@comcast.net



Somehow it happens every time I visit a hamfest; I’m just walking around minding my own business and that voice grabs my attention from across the room, “Arthur, Arthur look, I’m over here!” Who’s that calling my name? I head on over to where I heard that voice and I find that it’s not a ‘someone’ calling, but a ‘something’! Oh boy, LOOK! It’s a treasure! It’s this thing just sitting there staring at me. It’s kinda worn and grimy, but it’s got cracked paint, chrome and fancy dials - I haven’t seen one of these things in fifty or sixty years! “Does it work,” I ask seller who replies “no, but I’ll give ya a great deal,” but, but, I really want it! I need this thing, whatever it is. Quick, I must have this treasure before someone sees it and buys it! So what if it doesn’t work.

Gathering up my treasure and with a smile from ear to ear I head off towards more tables with more treasures. Although my feet are killing me, and it’s hot out, I’ve not only filled my back pack and made more than a few trips to the car, I’m still on the hunt for that one big treasure, that one great “whatever” non-working thing that I need and must have. Oh look, scraps of wire of various lengths and sizes, or holy cow, a 300 pound frequency meter from the 1930s or 40s. Now don’t misunderstand me, I have bought some really great items at flea markets. Flea markets really can yield some great treasures. There are just at times when I cave to getting that something that really looks and sounds like a bargain, but often I come to find it really isn’t. In reality, these things are really discarded OPS, or “Other People’s Stuff!”

At one time I had bought so many Motorola RX and TX FM strips from surplus that there was no more room to store them. How about some 1950s vintage or earlier, Navy TBS-5 transmitters and TBS-7 receivers? (<http://www.virhistory.com/navy/manuals/tbs.pdf>) I even found a photo of the receiver on the Internet. At that time we thought we might have been able to convert them to six meters. Yep, I did buy them but never got them to play on six meters. As I remember, the tubes in the transmitters were 808s or something. My first clue should have been; if the Navy threw them away, then why in the world would I think I could use them.

Other gems found their way into my collection including Motorola weather proof cabinets, used hardline, and other treasures including a 75A3, SW3 and FB7. When we left Massachusetts for Scottsdale, AZ in ‘82, Janet took a couple of loads of OPS to the town dump in my pickup, as well as a couple of loads over to the local radio club. Over the years I’ve rescued *soooooo* many treasures that I can’t remember what they were or why I bought them. A good example was my Model 19 RTTY with an Alltronics Howard TU that was so noisy that when it was printing you could not only hear it throughout the house but you could feel the floor shaking as well! And yes, it was shock mounted.

There are times when hamfests can yield many good items. One man’s junk is another man’s treasure. KA1BOF, my XYL, coins the phrase “OPS,” and I can’t bring anything else in unless I remove something in the bargain. If One OPS comes in then one OPS has to leave. It’s possible that you have seen some of these photos in previous articles of mine but this time I’ll try and explain a little about each one of them.



The three photos [above] show a gem from the past I bought at a swap meet in Arizona. It’s a receiver built on a homemade wooden chassis. Looking at the underside of the chassis, I can see that the solder has corroded. The front panel was made from a an actual baking pan! The dial looks like the type that was on my SW3 National receiver. Looking at the front panel you will notice there are two red jacks which were for audio out to a pair of headphones such a Trimm. The Trimm headphones had two small plugs that would fit this type of jack and I’m sure other headphones of that era utilized similar types of jacks.

Many years ago I had a power supply and the chassis was a baking pan. Did the receiver work? No, and I didn’t even try to get it working. Obviously I would have had to strip everything and rebuild it. I paid a whole dollar for it but it was worth it! I now wish I had sat down with the ham I bought it from and had asked him more about it. There has to be a great story here.

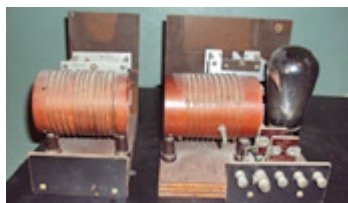


The next gem [left] is a Globe Scout 680A. By the photos you can see it really looks complete and clean inside and it is, but it does still need a power cord. I bought it to rebuild and that was almost 30 years ago now. No, I didn't rebuild it, and it has been sitting on the shelf waiting for some attention. I think I gave up \$60 for it. Alright already, It kept calling my name so I bought it! I had good intentions for sure but over the years I have bought many, many other OPS gems with good intentions too. Whoever wired it prior to me before I got my hands on it did a very nice job, it just looks like it needs some TLC, that's all.

The OPS in the two photos [right] are Gonset Converters that we used for mobile operation in the 50s. The one on the right was called a *Super 6* which was used on different band clusters including 10/11, 15/19/20, 40/49 and 75 meters. With the Super 6, you actually set the car BC radio (AM) to 1430 kc. I have since forgotten what needed to be done to get the converter and car radio calibrated to play nicely together. One look at the manual and it brought back ole memories. The converter uses 6 volt heaters (filaments,) and two "B+" lines of 80 to 180 volts according to the manual. The manual I have is dated 1955.



Actually, the converters were either mounted under the dash or on an L-shaped bracket which was mounted to the steering column. The one show [on the left] is a 2 meter AM converter. You would have to supply 6 volts DC (that's right I said 6 volts DC,) which was required to power up these lovely converters. Then you would plug your ham radio antenna into the converter and the plug your BC radio into it. The BC radio needed to be set to a specific frequency and like magic you were receiving signals via the Gonset/Super 6 – that is if anyone was on. Back then, most of us had separate transmitters and receivers which were powered for mobile operation by either a "vibrator" power supply or a PE 103 "dynamotor." Every time I would key the microphone PTT, the car would hesitate! If it was night time the head lights would dim as well. Neat stuff huh? See what y'all new hams missed?



The next two photos [left] are of what I believe is a receiver and an aerial tuner. The call letters of the person who built it are on the front panel and I still need to do some research on that call. I bought it back in 1988 at a hamfest in Arizona. Please don't ask why. I can't tell you much about them mainly because I would be guessing.



Here's a National SW54. I was supposed to rebuild that one also. Well, I had good intentions. At least it lights up!

Here's an S38C. Does it work? Take a guess.... Nope!

Here are two Heathkit AR2 receivers [right] I bought to rebuild, I don't know for sure when I got them, maybe thirty years ago... never did anything with them. Well once again my heart was in the right place, but my get-up-and-go just got-up and went before I could get started. I just never got around to it. The one on the bottom (shown) is good for spare parts, and the top one was the one I wanted to rebuild.



So when you take a look at the photo below, you might ask yourself, why in the world did Art buy the coil and the tube? Really, who knows? The tube is an HD203C, and was used in diathermy equipment way back when, WHEN, YOU ASK? Why in the late 30s to early 40s. How about a Barker and Williamson coil wound for 8.0 to 11.0 MC. This is a coil unit from a Military WWII BC610. Do I have a BC610? Of course not! I found the same coil on eBay for \$70.00, so maybe it's an investment. The photo below will let you compare these two great items to a current-day dual band HT. No, the HT isn't for sale, although, I don't use it, in fact, I haven't turned it on in months, so maybe I'll sell it, I guess.



Don't misunderstand me, not all of them didn't work, many did work. The OPS items you see here are some of the ones that I ran out of steam on in my quest to repair.

At one time, I bought hand keys like they were going out of style. Over the years I've sold many of them for a good profit and I've kept several that will more than likely be bought by a collector like my Josef Steiner key shown below.

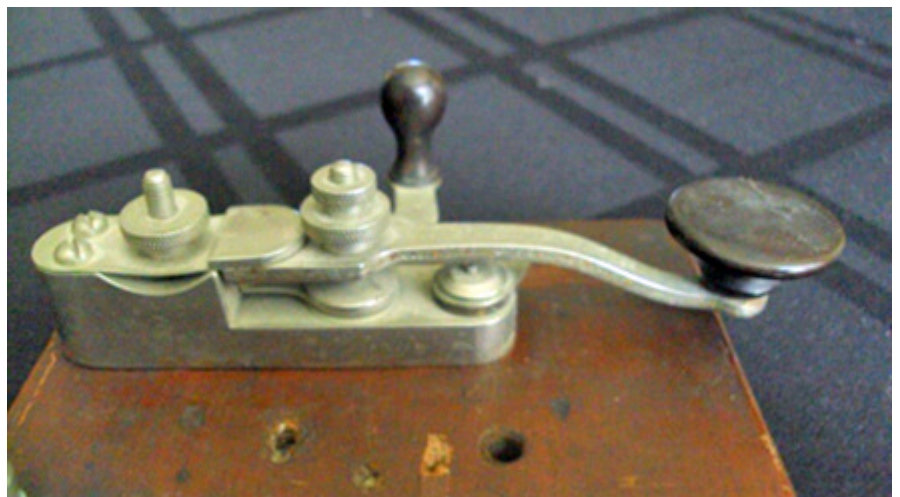
The board the key is mounted to is original. Now I would like to locate the Steiner Sounder to make the set complete.

I must be getting close to a ham radio flea market some place because I'm hearing my name called again! No, no, this time I'm not buying. This time I'm selling! Am I cured? Not really, I still break out in a sweat when I see something that I just have to have.

Well there ya have it! "Stuff." Who was the comedian who did a routine on STUFF, I think it was George Carlin.

'C' Ya at the flea market and just maybe you'll find some OPS you too just can't do without, unless of course, *I beat ya to it!*

eBay, here I come!



Until next time - 73! Art Marshall, W1FJI, art-marshall@comcast.net

Contest and QSO Parties

03 Nov	0100Z - 0300Z	ARS Spartan Sprint	http://www.arsqrp.blogspot.com/
07 Nov	2100Z - 0300Z Nov 09	ARRL Sweepstakes Contest, CW	http://www.arrl.org/sweepstakes
14 Nov	0001Z - 2359Z Nov 15	10-10 Int. Fall Contest, Digital	http://www.ten-ten.org/
14 Nov	1400Z - 0200Z Nov 15	Kentucky QSO Party	http://www.wkdx.com/mainsite/
16 Nov	0200Z - 0400Z	Run for the Bacon QRP Contest	http://fpgrp.org/pigrun/
21 Nov	2100Z - 0300Z Nov 23	ARRL Sweepstakes Contest, SSB	http://www.arrl.org/sweepstakes
28 Nov	0000Z - 2359Z Nov 29	ARRL EME Contest	http://www.arrl.org/eme-contest
28 Nov	0000Z - 2359Z Nov 29	CQ Worldwide DX Contest, CW	http://www.cqww.com/rules

Z= UTC; L-local – Contests and QSO Parties Source QST & WA7BMW

DX

From	To	Prefix	Call	From	To	Prefix	Call
01-Nov	27-Nov	4U1/I	4U0ITU	01-Nov	02-Nov	ZD7	ZD7W
01-Nov	???	9G	9G5GH	01-Nov	???	3D2	3D2KM
01-Nov	31-Dec	9J	9J2JOCV	01-Nov	???	XU	XU7AHA
01-Nov	31-Jan(16)9M6	9M6/W8AY		01-Nov	03-Nov	T32	T32DX
01-Nov	???	9Q	9Q6AL	01-Nov	02-Nov	PJ2	PJ2/W4PGM, PJ2/W4VAB
01-Nov	03-Nov	C9	C91B	01-Nov	05-Nov	PY0/F	PY0NY (SA-003)
01-Nov	15-Mar(16)CE	CE2LML		01-Nov	03-Nov	A3	A35OK, A35OL (OC169)
01-Nov	08-Nov	CE	XR17CHI	01-Nov	05-Nov	T8	T88KK, T88SH, T88ZE
01-Nov	???	DU	DU7ET	01-Nov	10-Nov	3W	3W3MD
01-Nov	04-Nov	E5/S	E51EAQ	01-Nov	02-Nov	A3	A35JP/p (OC-064)
01-Nov	20-Nov	EU	EV70UN	01-Nov	01-Nov	FG	FG4KH (EME)
01-Nov	31-Dec	I	I190IARU	01-Nov	01-Nov	JA	JA4GXS/6 (AS-047)
01-Nov	31-Dec	JA	8J1JOCV	01-Nov	03-Nov	JA	J13DST/5, JS6RRR/5 (AS-200)
01-Nov	15-Dec	JD1/M	JG8NQJ/JD1	01-Nov	02-Nov	PY	PS1AI (SA-029)
01-Nov	31-Dec	JT	JT90IARU	01-Nov	30-Nov	3B9	3B9/DF6LO
01-Nov	???	JW	JW3TR, JW8BCA	01-Nov	12-Dec	5R	5R8IC (AF-090)
01-Nov	31-Dec	KC4	RI1ANZ	01-Nov	???	5T	5T0JL
01-Nov	31-Dec	OE	4U70VIC	01-Nov	13-Nov	DU	DU9/RC5A, DU9/RM0F (OC-235)
01-Nov	14-Nov	ON	OT4CLM	01-Nov	01-Apr(16)EA8	EA8	EA8/SM7BUA
01-Nov	01-Jul(16)RI1F	RI1FJ		01-Nov	28-Feb(16)KC4	DP1POL	
01-Nov	15-Jun(16)SU	SU9IG		01-Nov	30-Nov	PJ4	PJ4/OE7PGI
01-Nov	15-Nov	TT	TT8AMO	01-Nov	30-Nov	PY	ZV70FEB
01-Nov	???	TZ	TZ4AM	01-Nov	31-Dec	V8	V8/K7TRB
01-Nov	06-Nov	V4	V47JA	01-Nov	06-Nov	VK	VK5MAV/8 (OC-229)
01-Nov	10-Nov	V6	V63AH	02-Nov	16-Nov	YJ	YJ0BJ
01-Nov	20-Dec	VK	VK100ANZAC	03-Nov	10-Nov	A3	A35OK, A35OL (OC-064)
01-Nov	???	YB	YF1AR/8 (OC-272)	03-Nov	10-Nov	P4	P4/OH1MA P40MH

DX (cont.)

From	To	Prefix	Call	From	To	Prefix	Call
03-Nov	02-Dec	ZD8	ZD8W	24-Nov	2-Dec	T2	T2TT
04-Nov	11-Nov	3W	3W4VE, 3W4VX (AS-128)	25-Nov	3-Dec	5W	5W0IF (OC-097)
04-Nov	18-Nov	5Z	5Z4HW	25-Nov	30-Nov	9Y	9Y4/WJ2O
04-Nov	11-Nov	GJ	MJ/K3PLV, MJ/K8PT	25-Nov	2-Dec	PJ4	PJ4/K4BAI
04-Nov	12-Nov	VP2M	VP2MEW, VP2MRL, VP2MXP	25-Nov	30-Nov	PJ4	PJ4/KU8E
05-Nov	07-Nov	F	TM5CT (EU-039)	25-Nov	1-Dec	PJ4	PJ4/W8FN
07-Nov	14-Nov	J6	J6/AA4OC, J6/KB7NJV, J6/N7DWL, J6/N7QR, J6/WT4BT, J68KF	25-Nov	2-Dec	YN	YN2CC
07-Nov	13-Nov	Z3	Z38CE	26-Nov	29-Nov	9M6	9M6NA (OC-133)
08-Nov	15-Nov	5B	5B/ON4BCV	27-Nov	5-Dec	V6	V63DX
08-Nov	20-Nov	K	N6NNA (NA-034)	27-Nov	29-Nov	VU	AU2RJT
08-Nov	18-Nov	VP2E	VP2ECC	28-Nov	29-Nov	3B9	3B9HA
09-Nov	15-Nov	E5/S	E51KIK (OC-013)	28-Nov	29-Nov	4L	4L4WW
09-Nov	18-Nov	VP2E	VP2ENK	28-Nov	29-Nov	C9	C92ZO
10-Nov	25-Nov	EP	EP2A	28-Nov	29-Nov	CN	CN2AA
10-Nov	6-Dec	FM	TO4GU, FM/DL7VOG	28-Nov	29-Nov	EA8	EA8/HA5PP, ED8X
10-Nov	18-Nov	PJ4	PJ4/OH1MA, PJ4/OH2BAD	28-Nov	29-Nov	FM	TO8M
13-Nov	16-Nov	9H	9H3YY (EU-023)	28-Nov	29-Nov	FR	FR/OH2YL
14-Nov	23-Nov	VK9/W	VK9WA	28-Nov	29-Nov	HS	E2X
15-Nov	4-Dec	4S	by DK9PY	28-Nov	29-Nov	I	IH9R
16-Nov	23-Nov	S7	S79C (AF-119)	28-Nov	29-Nov	KH0	AH0K
17-Nov	24-Nov	ZL	ZL1/G0KIK (OC-201)	28-Nov	29-Nov	LA	LA4C
18-Nov	2-Dec	9X	9X0NH	28-Nov	29-Nov	PJ2	PJ2T
18-Nov	23-Nov	YB	YB3MM/9 (OC-148)	28-Nov	29-Nov	PJ4	PJ4A
21-Nov	30-Nov	HR	HR2J	28-Nov	29-Nov	TA	TC0A
21-Nov	1-Dec	SV9	SW9AA	28-Nov	29-Nov	TI	TI5W
22-Nov	1-Dec	VP2E	VP2EAQ VP2EAR	28-Nov	29-Nov	TK	TK/S50C
23-Nov	3-Dec	HI	HI3W	28-Nov	29-Nov	TK	TK/S50C
23-Nov	3-Dec	PJ5	PJ5/OH1VR, PJ5/OH3JR	28-Nov	29-Nov	UA0	UI0L
23-Nov	2-Dec	PZ	PZ5W	28-Nov	29-Nov	V6	V6A
23-Nov	5-Dec	XV	XV2D	28-Nov	29-Nov	VP2V	VP2VVV
24-Nov	8-Dec	C6	by K4RUM, by N4BP, by N4UM	28-Nov	29-Nov	ZD8	ZD8X
24-Nov	2-Dec	CE0Y	CE0Y/R4WAA, CE0Y/RZ3FW	28-Nov	29-Nov	ZF	ZF1A
24-Nov	7-Dec	J6	J6/K9AW	28-Nov	29-Nov	ZF	ZF2MJ
				29-Nov	13-Dec	F	TM21COP
				29-Nov	4-Dec	PJ7	PJ7/G4JEC

DX sources - The Daily DX, 425 DX News, or DX Zone Data in (parenthesis) is the IOTA designation. *** DX or Notable

Submitted by **Gerry Gross, WA6POZ** WA6POZ@arrl.net (TARS President)

Compiled and Submitted by Bob Clark, K9HVW – TARS Secretary

Call to Order: President Gerry Gross, WA6POZ, called the meeting to order [October 8th, 2015] at 7:00 PM.

Guests: Adrienne Harmon, KM4NWO, Mary Ribaud, KM4NWP, Michael Mitchell, KM4NWQ and Jason Ford, KG4KUC.
Welcome!

Presentation/Program: Randy Pierce, AA4U, introduced Paul Coburn from the FCC's Public Safety and Homeland Security Bureau. Paul presented a program on the FCC's **Roll Call** system and remote monitoring efforts for public safety. An interesting part of the presentation was the role of the FCC in determining open frequencies for public safety groups in an emergency. He also showed pictures of some of the equipment used in remote monitoring.

Business Committees:

Treasury - Norm Scholer, K4GFD: Approved as printed in the [Printed Circuit](#).

Minutes – Bob Clark, K9HVW: Approved as printed in the [Printed Circuit](#).

Repeaters – Randy Pierce, AA4U: Everything is working as it should.

Education - Phil Asher, N4PIH: The license class was successful.

Open Discussion:

Gerry reported that an old Kenwood receiver and transmitter were donated to the club. The receiver works and the transmitter sends "smoke signals." If anyone wants them, say so. Otherwise an attempt will be made to sell them on eBay.

New Business:

David Miner, W4SKG, discussed the ARES simplex test that was to take place on Saturday, October 10. Volunteers were requested to help identify locations in the area that could communicate in an emergency without the use of a repeater.

Gerry indicated that a request was made by the Veterans Day Parade committee to provide communications. Volunteers were requested.

David Miner, W4SKG and Dave Davis, WA4WES, discussed the Spaghetti 100 (an ARES activity) on November 7. The event was described and volunteers were requested to provide communications. If you wish to participate, please contact David.

Unfinished Business:

- "Chief," KA5USN discussed the TARS fundraiser at BJ's Restaurant and Brew House.
- The December meeting of TARS (Thursday, December 3) will be the Holiday Party at the Capital City Country Club. The entrée choices are Herb Roasted Chicken and Beef Bourguignon. The cost will be \$25 per plate and checks are to be made out to TARS and submitted no later than November 5 meeting. (Please do NOT send checks to the TARS mailbox as it isn't checked often. Rather, send checks to Norm Scholer, 436 Louie Dean Rd., Chattahoochee, FL 32324). Please identify your choice of entrée. Nineteen reservations were made at the meeting.
- Our next meeting will be on November 5 at 7:00 PM in the Red Cross building. The program will be announced.

Adjournment: Gerry closed the meeting at 8:24 PM.

Submitted by Norm Scholer, K4GFD – TARS Treasurer

Beginning Balances – Sept. 17, 2015 **October** **YEAR-to-DATE**

Checking Account: \$ 2,213.27
 Savings Account: \$ 3,092.95
 Total: \$ 5,306.22

Summary of Month's Activities:

Total Receipts: \$ 563.00 \$ 2,999.33
 Total Expenses: \$ 0.00 \$ 1,679.30

The updated Unaudited Financial Summary for TARS with detailed expenses is available at K4TLH.net Includes the total 2015 calendar year.

Receipts Derived From:

Member Dues: \$ 23.00 \$ 1,780.00
 50/50 Raffle: N/R \$ 115.00
 Member Donations: N/R \$ 10.00
 SPARC: \$ 0.00 \$ 73.28
 Misc.: \$ 0.00 \$ 480.96
 TARS Holiday Party: \$ 540.00 \$ 540.00
 Total: \$ 563.00 \$ 2,999.33

(inc. \$0.099 for savings interest)

Expenditures:

Talquin Electric: \$ 0.00 \$ 35.16
 Misc.: \$ 0.00 \$ 0.00

Electricity for Wakulla County Repeater Site

Outstanding Expenses: NONE NONE

Ending Balances – October 17, 2015

Checking Account: \$ 2,753.27
 Savings Account: \$ 3,092.95
 Total: \$ 5,846.22

TARS Officers

Gerry Gross, WA6POZ
President
WA6POZ@arrl.net

Phil "Chief" Fusilier, KA5USN
Vice President
ka5usn@hotmail.com

Bob Clark, K9HVV
Secretary
k9hvv@arrl.net

Norm Scholer, K4GFD
Treasurer
k4gfd@tds.net

Please consider volunteering for one of the many committee positions and lend a hand in the many TARS radio events. TARS appreciates your support!

TARS Committees:

Repeater Trustee #1: Randy Pierce, AG4UU
 Assistant: Doug Ferrell, KD4MOJ
 Repeater Trustee #2: *Vacant*
 K4TLH Callsign Trustee: David Miner, W4SKG

Equipment Manager: Steve Welsh, AD4E
 Education: Phil Ashler, N4IPH
 Testing Coordinator: Alan Terrell, N4KGT
 Events Director: "Chief", KA5USN

Public Information Officer: Stan Zawrotny, K4SBZ
 • Webmaster: John Pantoja, KM4FAM
 • FaceBook: Stan, K4SBZ / Mike, K4ICY / ...
 • Newsletter Editor: Mike Maynard, K4ICY
k4icy@arrl.net

Regional Nets

TARS News & Information Net	Thursday • 8 PM EST (not 1 st Thrs.)	147.030 MHz, K4TLH + 600, 94.8
North Florida Amateur Radio EmComm Net	Daily • 9:00 AM ET except Sunday	3950 kHz
Capital District EmComm Training Net	Sunday • 7:30 PM ET	147.030 MHz, K4TLH + 600, 94.8
Capital District ARES Net	Sunday • 8 PM ET	147.030 MHz, K4TLH
Leon County ARES Net	Tuesday • 8:15 PM ET	147.030 MHz, K4TLH
Florida Phone Traffic Net	Daily • 6:55 AM ET	3940 kHz
Florida Midday Traffic Net	Daily • Noon ET	7242 kHz
North Florida Phone Net	Daily • 7:30 PM ET	3950 kHz
North Florida Digital Net	Sunday • 7 PM ET	3590 kHz PSK-31 Mode
TARC Thursday Night Net	Thursday • 8 PM ET	145.170 MHz, - 600, 141.3
Thomas County ARES Net	Thursday • 7:30 PM ET	147.240 MHz, + 600, 141.3
Grady County ARES Net	Tuesday • 7:30 PM ET	145.170 MHz, - 600, 141.3
North Florida 6M SSB Net	Sunday • 8:30 PM ET	50.150 MHz
Morse Code Practice Net (Informal / Open) 5-15 WPM	Wednesday 8:30 – 9:30 PM ET	28.114 MHz CW Mode
Morning Drive-Time Net (Informal with KA5USN)	Mon-Fri 7:30 – 9:00 AM ET	147.030 MHz, K4TLH
Southwest Georgia HF Weather Net	Third Thursday 7:30 PM ET (or after GA SSB Net)	WX4TAE, 3975 kHz (+/-)
Southwest Georgia ARES Net	Thursday • 9 PM ET	145.170 MHz, + 600, 141.3
SKYWARN Net	First Sunday • 7:30 PM ET	WX4TAE, 3810 kHz (+/-)

• Have any **corrections** or **additions**? Contact Mike, K4ICY: k4icy@arrl.net prior to the 20th of the month.

Regional Clubs



Thomasville Amateur Radio Club (TARC) <http://thomasvilleamateurradioclub.com/>
Meetings: The first Saturday of each month at **6:00 p.m.** at the **Hibachi Grill** in Thomasville, Georgia, on the corner of US 19 and 319 (Walmart parking lot.) – Supper is first, then the business meeting after.

Net: TARC Thursday Night Net – 8 pm local every Thursday night, **145.170 (Reno) repeater**, (-) offset, with a 141.3 PL tone.

Sportsman's Paradise Amateur Radio Club (SPARC)

Meetings: Third Thursday of each month at the Wakulla County Emergency Management Facility at **7:00 p.m.**

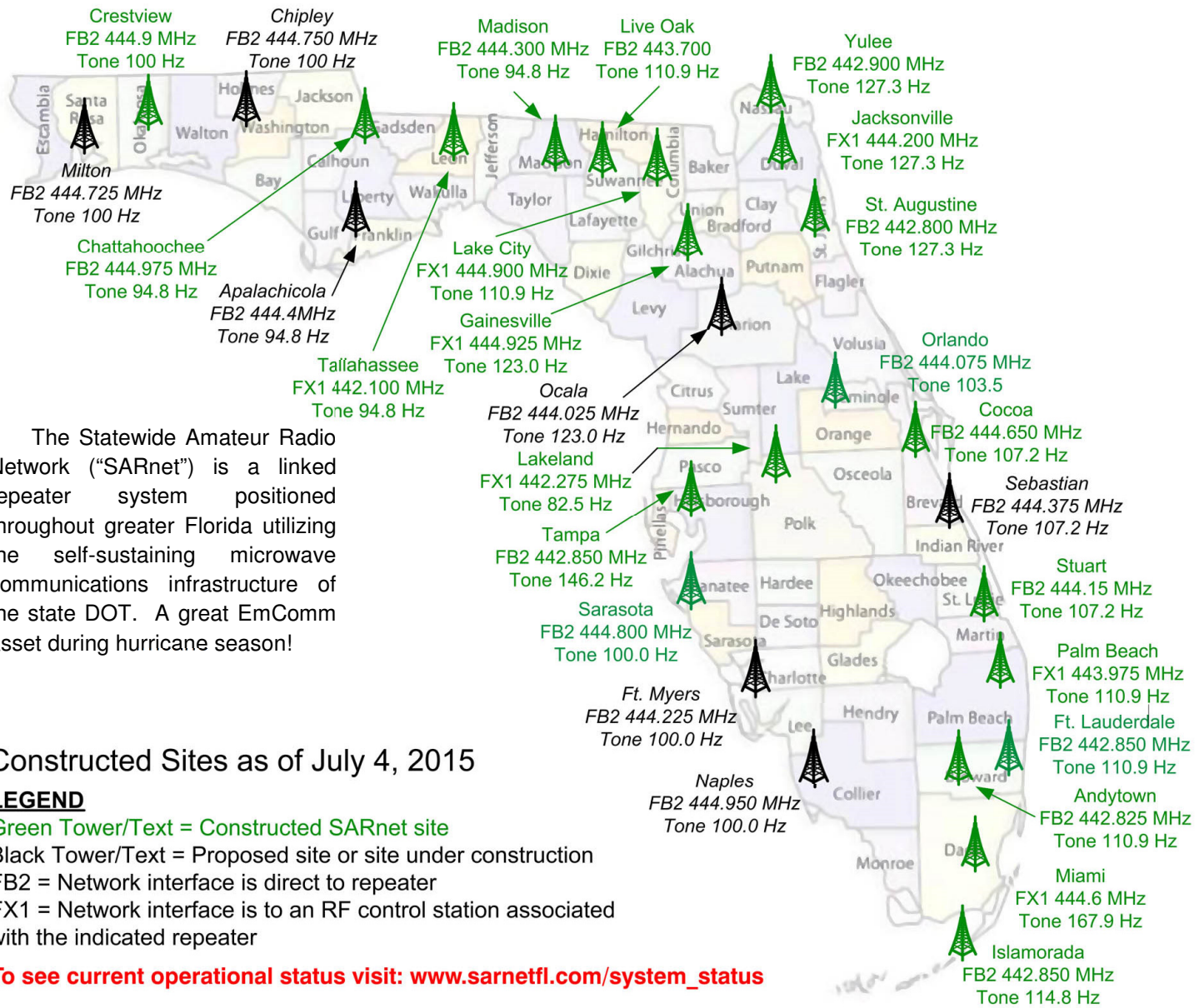
Repeaters Capital Are Region / Linked

The Repeater list is available on the TARS website: (www.k4tlh.net/repeaters).

Location	County	Call Sign	Backup Power	Digital Mode	Output Freq	PL	Aux or Remote Site	Height
Crawfordville	Wakulla	K4WAK	No		145.450 -	94.8		300
Crawfordville	Wakulla	K4WAK	Yes		444.450 +	94.8		400
Greensboro	Gadsden	NX4DN		NXDN	147.390 +	94.8	Yaesu System Fusion DCS 023 WIREX Connected	300
Greensboro	Gadsden	NX4DN		NXDN	444.125 +	94.8	NXDN World Wide Network	300
Monticello	Jefferson	WX4JEF			145.430 -	94.8		
Quincy	Gadsden	W4EAF	Yes		147.165+	94.8		250
Tallahassee	Leon	N4PG	Yes		146.610 -	203.5		200
Tallahassee	Leon	K4TLH	Yes	P-25	146.910 -	94.8		375
Tallahassee	Leon	K4TLH	Yes		147.030 +	94.8		750
Tallahassee	Leon	KA4EOC	Yes		147.285 +	94.8		350
Tallahassee	Leon	K4TLH	Yes		442.100 +	94.8	Statewide Amateur Radio Net (SARnet) See Next Page	600
Tallahassee	Leon	K4TLH	No		442.850 +	94.8		275
Tallahassee	Leon	KJ4G	Yes		443.400 +	131.8	Host of Echolink Node #3950	575
Tallahassee	Leon	AE4S	Yes		443.950 +	94.8		500
Tallahassee	Leon	N4NKV	Yes		444.400 +	131.8		CRMC (200)
Tallahassee	Leon	KD4MOJ	Yes		444.000	94.8		TMH (200)
Tallahassee	Leon	NX4DN		NXDN	444.175 +	94.8	NXDN World Wide Network	4pts Hotel (175)
Tallahassee	Leon	NF4DG	Yes	D-Star	146.835 -	DV		180
Tallahassee	Leon	NF4DG	Yes	D-Star	443.450 +	DV		180
Tallahassee	Leon	NF4DG	Yes	D-Star	1293 -	DV		180
Tallahassee	Leon	NF4DG	Yes	D-Star	1253	DD		180
Wacissa	Jefferson	K4TLH	No		147.000	94.8		300
Thomasville	Thomas				145.370 -	141.3		
Thomasville	Thomas				442.600 +	141.3		
Reno	Grady	KE4URL	Yes		145.170 -	141.3		600

For More Information and Current SYSTEM STATUS visit: <http://www.sarnetfl.com/>

SARnet LINKED REPEATER SYSTEM MAP



The Statewide Amateur Radio Network (“SARnet”) is a linked repeater system positioned throughout greater Florida utilizing the self-sustaining microwave communications infrastructure of the state DOT. A great EmComm asset during hurricane season!

Constructed Sites as of July 4, 2015

LEGEND

- Green Tower/Text = Constructed SARnet site
- Black Tower/Text = Proposed site or site under construction
- FB2 = Network interface is direct to repeater
- FX1 = Network interface is to an RF control station associated with the indicated repeater

To see current operational status visit: www.sarnetfl.com/system_status

ALL Hams Encouraged to Use the Network!

In the Tallahassee area, just use the **442.100 (94.8 PL)** repeater or the *Madison* 444.200 (94.8 PL) repeater. As this is a “linked” system, each ham must take extra consideration and expected courtesy in operation as this is essentially a super-sized repeater including repeater sites serving many highly populated areas of Florida, each having to identify. If you have any questions or issues with use of the SARnet – contact Randy Pierce, AG4UU, at: piercer2381@gmail.com

TESTING! TESTING! TESTING! Get Licensed – Get Upgraded!

TARS – ARRL: **DECEMBER 1st** at 7 p.m.

The next TARS license exam session will be held the evening of Tuesday, **December 1st**, at The American Red Cross HQ, on 1115 Easterwood Drive, near Tom Brown Park. The session typically starts at 7:00 p.m. --- **Upgrade exam is FREE upon passing first exam!** --- Please **REMEMBER** to bring a photo ID and \$15, cash or check.

Contact Alan Terrell, N4KGT, n4kgt@arrl.net for more details.

TARC – Laurel VEC: **Please Contact TARC To Schedule**

Offering an exam session once a month on the third Saturday of each month (**November 21st**) at 10:00 a.m. at the Thomas County EOC located at 1202 Remington Avenue in Thomasville, GA. Two forms of ID are required, one with a picture. Children require a SSN to process. Please note that test sessions may require forward notice of attendance.

THE TARC EXAM SESSIONS ARE NOW FREE!!!!

For inquiries please contact: (W5YI VE) Alan Slaughter, kg4gav kg4gav@gmail.com (850)933-1574

For general information and updates please visit: <http://thomasvilleamateurradioclub.com/>



Resource Links Internet Links of Ham Radio Interest



Associations/Clubs

ARRL – www.arrl.org
AMSAT – www.amsat.org
FISTS – www.fists.org
SKCC – www.skccgroup.com
NAQCC – <http://www.naqcc.info/>
FLORIDA – Florida Contest Group – www.floridacontestgroup.org
IARU – www.iaru.org
OMISS – www.omiss.net
QCWA – www.qcwa.org
Sportsman's Paradise Amateur Radio Club (SPARC) (Wakulla County) – <http://www.nettally.com/sparc/sparc.htm>
Tallahassee Amateur Radio Club (TARS) – www.k4tlh.net
Thomasville Amateur Radio Club (TARC) – <http://thomasvilleamateurradioclub.com/>
Ten-Ten – www.ten-ten.org

Magazines

CQ – www.cq-amateur-radio.com
QST (Digital Online and Archives) – <http://www.arrl.org/qst>
The Printed Circuit – <http://k4tlh.net/tars-newsletter/>

Call Lookups

DX Zone – <http://www.dxzone.com>
Ham Call (Buckmaster) – <http://hamcall.net>
Ham Call Lookup – <http://hamcalllookup.com/>
QRZ – www.QRZ.com

Digital

British Amateur Radio Teledata Group (BARTG) – <http://www.bartg.org.uk/>
Digital Modes Club – <http://www.digital-modes-club.org>
European PSK Club – <http://www.eupsk.com/>
PODXS 070 Club – Penn-Ohio DX Society – <http://podxs070.com/>

FCC

FCC – Universal Licensing System – <http://wireless.fcc.gov/uls/index.htm?job=home>

Contest

WA7BNM contest page – www.hornucopia.com/contestcal

Logs

DXLab Suite – <http://dxlabsuite.com/>
Ham Radio Deluxe – www.hrdsoftwarellc.com
N1MM Logger – <http://n1mm.hamdocs.com>
N3FJP – www.n3fjp.com
Win-EQF* – www.bitwrap.no.wb
XMLog – <http://xmllog.com/>

QSL

eQSL – <http://www.eqsl.net>

Misc.

Learn CW Online – <http://lcwo.net/>
Dayton Hamvention – www.hamvention
Ham Nation – <http://twit.tv/hn>
Islands of the world – www.rsgbiota.org
10 meter beacons – www.qslnet.wj5o.bcn.htm

Podcasts

RAIN Report (Radio Amateur Information Network) – <http://www.therainreport.com/>
Amateur Radio Newslines – <http://www.arnewslines.org/>
Ham Radio Now – <http://arvideonews.com/hrn/>
K7AGE – <http://www.youtube.com/user/K7AGE>
Ham Nation – <http://twit.tv/hn>



Visit K4TLH.net – Like Us At Facebook.com/K4TLH

Find out about TARS events, pass information and ask questions via **Facebook**. At K4TLH.net, find the current newsletter, back issues and selected articles at the click of a mouse. Both sites will keep you up-to-date on the latest event scheduling and timely information of our club. **Find us at:** <http://www.facebook.com/K4TLH> and <http://k4tlh.net/>
For more information or inquiries – contact TARS PIO: Stan, K4SBZ, at: K4SBZ.Stan@gmail.com

The Printed Circuit Will Publish YOUR PICS Send in photos of your shacks, ham gear, homebrew equipment, friends and family enjoying radio activities, club events, shack pets or whatever... The Printed Circuit would like nothing better than to brag *with* you!

We Want You To Write For US Readers *and* writers are encouraged to submit items of interest such as articles, commentary and how-to's for publication. Public service announcements are welcome... **The Printed Circuit** is sent to well over **330+** email recipients, so why not use this publication to share the hobby you love? 1 page max for PSA/news, 5 pages max for articles. (All Negotiable)

Updates of Information If you are aware of any updates, changes or corrections to any of the information in this newsletter such as news write-ups, information about our neighboring clubs, local nets, repeaters, frequencies or etc., please forward that information to us at TallyAmateurRadio@gmail.com or *Mike Maynard, K4ICY*, (Editor) at k4icy@arrl.net for inclusion, retraction or correction in future newsletters publications. Corrections and additions cannot be reflected until the following month's edition.

At NO Cost The Printed Circuit is provided as a service **FOR FREE!** Articles and content are written and edited on a volunteer basis. Please consider the large amounts of time each month put into making these newsletters a "great read." Monetary contributions are encouraged to be made to the Tallahassee Amateur Radio Society, Inc., which depends on your support. You may also consider donating your time and talents by writing for The Printed Circuit or submitting material or information to be considered for publication. The Printed Circuit is **MORE** than just a club newsletter!

Distribution The Printed Circuit is distributed via **gmail** account via a PRIVATE BCC recipient list, generally one week prior to the following TARS business meeting. **Re-Distribution IS ENCOURAGED**, however you may consider sending us any new addresses for interested recipients. Back issues and past articles organized by topic can be readily found at <http://k4tlh.net/tars-newsletter/> and <http://k4tlh.net/index-of-newsletter-articles/>

E-mail Addresses Please forward any additions or changes of e-mail addresses for delivery of the Newsletter to the TARS email address: TallyAmateurRadio@gmail.com, or *Stan Zawrotny, K4SBZ*, (PIO) K4SBZ.Stan@gmail.com or *Mike Maynard, K4ICY*, (Editor) at k4icy@arrl.net Also, notify us if you wish to no longer receive the newsletter and would like to have your address removed. PLEASE STIPULATE IF YOU WISH TO **ONLY** RECEIVE THE NEWSLETTER via your email address. Payment of TARS dues is NOT a requirement to receive this free publication.

Find the newest edition of The Printed Circuit as well as back-issues and past articles organized by topic at: <http://k4tlh.net/tars-newsletter/> and <http://k4tlh.net/index-of-newsletter-articles/>

Publication Deadline The **deadline for monthly publication is the 20th** of the prior month. Corrections and/or additions may not be possible within a week prior to publication.

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The Radio Amateur is...

CONSIDERATE

Never knowingly operates in such a way as to lessen the pleasure of others.
Abides by FCC Rules, the laws of the land, and good Amateur practices as fostered by the ARRL.

LOYAL

Offers loyalty, encouragement, and support to other Amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE

Seeks continued education and keeps a station which is well-built, efficient and abreast of science; whose operation is well-practiced and above reproach.

FRIENDLY

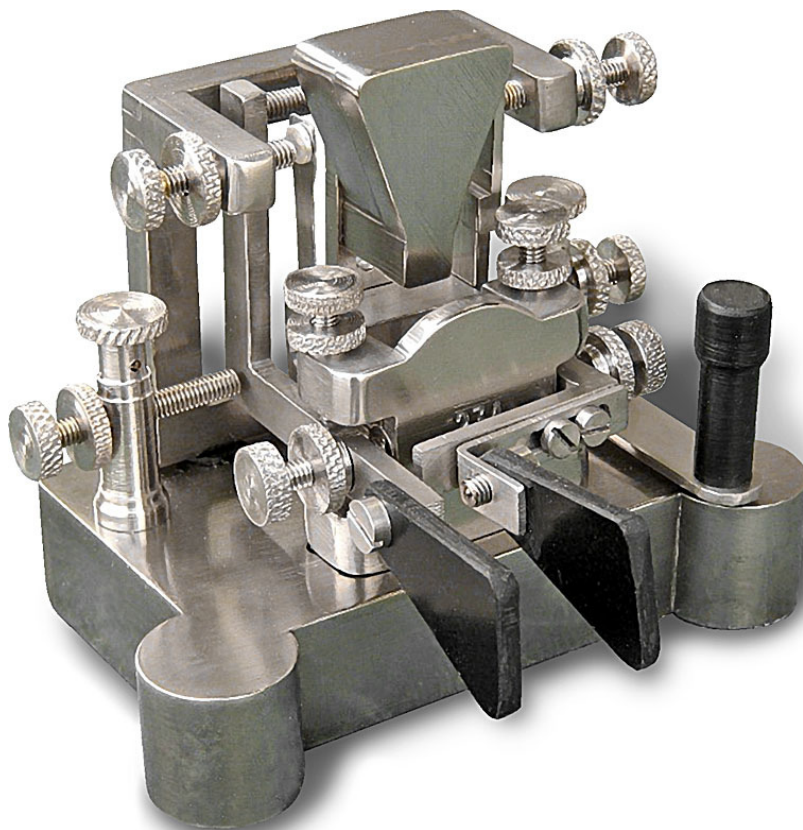
Slow and patient in operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for others. These are the hallmarks of the Amateur Service.

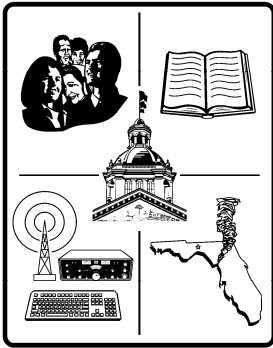
BALANCED

Radio is an avocation, never interfering with duties owed to family, occupation, school, church or community.

PATRIOTIC

A station and skill always ready for service to country and community.





TALLAHASSEE
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SOCIETY



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.NET
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P.O. Box 37127
Tallahassee, FL 32315

Tallahassee Amateur Radio Society

New Membership / Renewal Form

Updated 10/29/15

This form can be used for new members or for renewals. If you have not changed any information from last year, merely complete the form with your name, indicate your member type and ARRL membership status and make payment to TARS.

Membership Status:

- **Individual;** Single member; full voting privileges.
- **Family;** Single member, plus participating family members residing at the same address; all members have full voting privileges. Complete a form for each member.
- **Student;** Free for students (elementary school through college) with ID; all rights and privileges except voting.
- **Introductory;** Free until the end of year (next year for December) for anyone who passed Amateur Licensing Exam facilitated by TARS; all rights and privileges except voting.

If no personal information has changed, current memberships can be renewed simply by making payment to TARS.

You must be a licensed Amateur Radio operator to *join the Society*; however, any non-licensed radio enthusiast may attend the TARS business meetings and functions. Membership dues for the Tallahassee Amateur Radio Society are only **\$20 per individual or family** (complete a form for each family member.) **Students** (with valid ID) **can join for free!**

New members pay pro-rata based on the number of months remaining in the calendar year (\$1.70 per month.) After September, they drop to \$5.00. Dues paid after November 1st are applied to the next year. Individuals wishing to reinstate their expired membership status must reapply and pay full dues (\$20) for the current year. TARS is a "not-for-profit" organization and dues are used to help defray the cost of repeater maintenance and TARS events. Most of TARS's revenue is derived from donations, which are gladly accepted.

Please make your dues check payable to the **Tallahassee Amateur Radio Society** (or **TARS**). Bring your check (or cash) along with the completed form provided below (including e-mail address please) to the next monthly TARS business meeting and give it to the Treasurer - or mail your check and completed form to:

Tallahassee Amateur Radio Society, C/O Treasurer, P. O. Box 37127, Tallahassee, FL, 32315

Name:		Call Sign:	
Address:			
			Date: / / 20__
City:	State:		Zip: -
Member Type: <input type="checkbox"/> Individual <input type="checkbox"/> Family <input type="checkbox"/> Student <input type="checkbox"/> Introductory (Check One)			
Home Phone: () -		Work Phone: () -	
Cell Phone: () -			
E-Mail Address:			
ARRL Member: <input type="checkbox"/> Yes <input type="checkbox"/> No		"Elmer": <input type="checkbox"/> I would like a ham mentor <input type="checkbox"/> I can be a ham mentor	
Interests: <input type="checkbox"/> EmComm <input type="checkbox"/> Contest <input type="checkbox"/> Phone <input type="checkbox"/> Digital <input type="checkbox"/> CW Other: _____			