

GARS MOUTH

VOLUME 58 EDITION 2

FEBRUARY 2014

WWW.GARS.NET

Welcome to the Gainesville Amateur Radio Society's Newsletter

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PRESIDENT'S CORNER

By the time this published, a good number of our hams will have visited the Orlando Hamcation.

Those attending will without a doubt have conducted numerous financial transactions with vendors and tailgaters alike. The end result of these transactions involving the exchange of "Folding Currency and Plastic" will have bolstered our collections of ham radios, and associated gear that we all have in our shacks. It is hoped that we all have found that "elusive treasure" that we have long desired, and could not live without.

The club had a very successful inaugural participation in the SPAR Winter Field Day on January 25, 2014, this was held at the Kanapaha Veterans Park. Please see the associated article in this issue of the GARS Mouth for details.

As a club, we are offering our support by participating in the annual "5 Points of Live" walk-a-thon on Sunday, February 16th, 2014, and the annual "March for Babies" event on Saturday, March 22, 2014.

Volunteers for these events are still needed. Allan West, WA4JD is the event coordinator for these events; please contact him at WA4JD@cookie.org, or (352) 238-2359 to volunteer.

The planning and preparation for the GARS Hamfest on April 26th, 2014 is well underway. Volunteers are needed to help make this event a successful one. Please contact David WB9UYK at davidbirge@yahoo.com, or myself, Pete W4GHP at bugmeister13@cox.net, to volunteer your services.

I am available via e-mail address of bugmeister@fireline.org

73,

Pete W4GHP

Did you know that GARS has a mirror? GARS is on QSL.NET

Thanks to the sysop and the editor we have the site back.

TABLE OF CONTENTS

Page 1	Executive Staff and Board Members
Page 2	President's Corner, Club Happenings
Page 3	Club Happenings Cont.
Page 4	VE, Minutes, Finances, Upcoming Events
Page 5	Six & Up, Key News
Page 6	Six and Up Cont., Shack of the month
Page 7	Weather, What's this?
Page 8	Club Happenings Cont., Tech Corner, Decode Ring
Page 9	GARS Calendar. Links, Did You know? Tech.
Page 10	Credits, Reminders, Trade it or She will

Send edits, comments, articles to garseditor@gmail.com

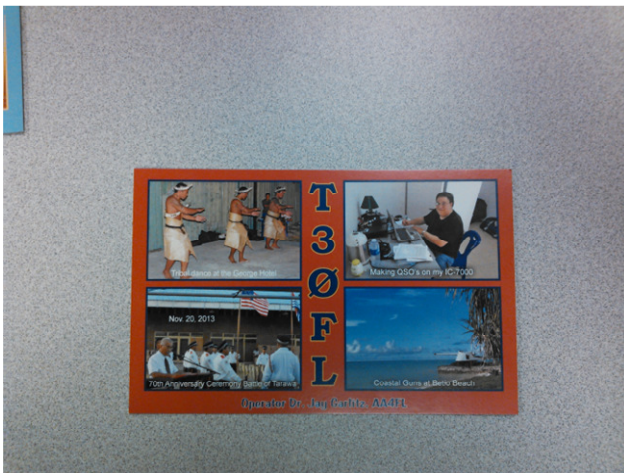
FAMOUS WORDS

My method is different. I do not rush into actual work. When I get a new idea, I start at once building it up in my imagination, and make improvements and operate the device in my mind. When I have gone so far as to embody everything in my invention, every possible improvement I can think of, and when I see no fault anywhere, I put into concrete form the final product of my brain. -- Nikola Tesla

CLUB HAPPENINGS

Dr. Jay spoke at the last meeting about the T33A Banaba Dxpediton Iota OC-18. He was with a 19 member international team His primary focus was to provide dental care for the people of the island, bring school supplies and other clothes and gator items for the school children. He made many contacts, discuss a lot of the activity from coordination of the flights, shipping the materials, to the hotel that almost cause a medical issue for one person. He brought a plaque for the 70th anniversary of the Battle of Tarawa presented to him to take to the island by the Hawthorne American Legion Post 230. To read a full story about Dr. Jay's adventure click on the link below.

<http://www.gainesville.com/article/20140118/ARTICLES/140119622?tc=ar>



Dr. Jay in upper the right corner.

Orlando Hamvention Gainesville Amateur Radio Society members visited the Orlando Hamvention. It was a wet and cold hamfest but for all that attended



There was so much rain that people ran to the secondary show building to stay warm and dry, including myself and the xyl. This was the 100th anniversary of the ARRL. And they celebrated at the Orlando Hamcation. Kay N3KN President.



ARRL President Kay Craigie, N3KN, greets and chats with visitors to the ARRL booth at Orlando HamCation. HamCation was the first ARRL Regional Centennial Convention.



Orlando Public Safety allowed the Hamfest to use these Trauma Tents to have the forums in, they were very interesting with AC and power ports and they were inflatable without any metal hardware so they would be perfect for field day tents.



VE REPORT

On Saturday, February 1st, one person earned a new Technician license, one person tested straight to General, and one person tested straight to Amateur Extra. Our newest Extra has been licensed previously, in Britain.

On Saturday, February 15th, the Gator Amateur Radio Club (GARC) offered a one-day Technician review and test on the UF campus. Sixteen new Technicians passed the test, including UF students, UF employees and their teenage children.

The W5YI VE team is offering a follow-up test session on Saturday, February 22nd, at the Tioga Community Center. The next regularly scheduled ARRL license test session will be at Santa Fe College on Saturday, April 5th, 2014. The test will begin at 1:00pm in room P-160. For information on the test, registration or questions contact Allan West by email <wa4jd@cookie.org> or call 352-328-2359.

There will be a one-day Technician review and test at the Tioga Community Center on Saturday, April 26th, 2014. The review will run from 9:00am - 3:00pm, and a test will follow at 3:00pm. The review is free, and open to anyone in the community. For information on the one-day review, registration or questions contact Gary Liljegren by email at gary@w4gal.net

GARS MEETING MINUTES

Not available this month, please approve at meeting.

GARS FINANCES

Your membership dues are due as of January 1, and you will be out of membership if you lapse after March 31, so please renew and support your club.

\$\$\$

To be able to provide activities such as the club picnic, Christmas party, the club "repeaters", food and materials for Field Day, Hamfest, etc. it takes \$\$\$\$. Support GARS by paying your dues, the dues are due January 1 of every year, and so see Susan Tipton at the January GARS general meeting before the meeting starts. Even give a little more for the activities that make GARS and active association. A small note that even the donut money at the meetings, supports the GARS, so have a cup and a bit of sugar and spice and some camaraderie and top off that donation cup.

GARS financial report will be provided at the general meeting and will not be published in the GARS Mouth.

UPCOMING EVENTS

March for Babies will be on March 22 at dawn so mark your calendars and contact Pete Winters or Allen West to volunteer for a great cause.

Hamfests

03/01/2014 | ZAARC-EPARS TAILGATOR

Location: Zephyrhills, FL

Sponsor: Zephyrhills Area ARC & East Pasco ARS

Website: <http://www.zaarc.org>

03/08/2014 | Charlotte County Hamfest

Location: Port Charlotte, FL

Sponsor: Peace River Radio Association

Website: <http://www.w4dux.net>

03/08/2014 | Palm Beach County Hamfest

Location: West Palm Beach, FL

Sponsor: Palms West Amateur Radio Club

Website: <http://www.palmbeachradiofest.com/>

03/14/2014 | PARC Hamfest & Computer Show

Location: Fort Walton Beach, FL

Sponsor: Playground Amateur Radio Club

Website: <http://www.w4zbb.org>

03/15/2014 | Gulf Coast ARC's 18th Annual Hamfest

Location: Hudson, FL

Sponsor: Gulf Coast Amateur Radio Club

Website: <http://gulfcoastarc.org>

03/15/2014 | Stuart Hamfest

Location: Stuart, FL

Sponsor: Martin County Amateur Radio Association

Website: <http://www.stuarthamfest.com>

Martin County Fairgrounds

Editor's note: We will be here at this one, supporting our friends.

You are reading this and you are new to ham radio and need to know what it is all about, or you have a friend that wants to become an Amateur Radio operator, check out this website link. <http://www.arrl.org/what-is-ham-radio>

Ikkgc2VlIHlvdSB0YXZlbid0LCIgc2FpZCBNci4gQnVydG9uIGhhc3RpbHksICJhbmQgSSdtIGdsYWQgb2YgaXQuIE5vdw0KaG93IGFib3V0IHRobSBTaWduYWwgQ29ycHM/I
g==

KEY NEWS

Did you know you can get breaking news from CNN, Twitter, and other media outlets translated from text to C.W.

Click the link below and start decoding.

<http://cw.dimebank.com:8080/>

ARE YOU SIX AND UP?

St. Pierre & Miquelon, FP. Eric, KV1J, will once again be operating from the Island of Miquelon, Grid GN17 as FP/KV1J between July 5-15th. Activity will be on 160-6 meters using CW, SSB and RTTY (but primarily SSB and RTTY). He will generally be on the highest frequency band that is open, and he may try 6 meters if there are any indications of openings. Also, look for him on the satellites, weather permitting. Eric will also be in the the DL-DX RTTY Contest (July 5-6th) as a Single-Op entry, and the IARU HF Contest (July 12-13th) as a Single-Op/All-Band/Mixed-Mode/High-Power entry. QSL via KV1J, direct or by the Bureau and also LoTW. For more details and updates, check out his Web page at: <http://www.kv1j.com/fp/july14.html>

Ohio/Penn DX Bulletin #1150 15 Feb. 2014 - 15 Jul. 2014

French Guiana, FY. Christian, F5UII, plans to get on the air during his spare time as FY/F5UII from the 18th to the 27th. QTH is the club station FY5KE QRV around 11z and 22z.

<http://www.f5uii.net>

<http://www.f5uii.net/en/prochaine-activite-fy-f5uii-en-guiana-fevrier/>

DXNL 1871 15 Feb. 2014 - 27 Feb. 2014

Laos, XW. Champ, E21EIC, informs OPDX, "I will operate as XW0YJY in 2014 until June 30, 2014" which probably means his license expires on that date. However, he states that his next trip will be between February 13-18th. Activity will be on 160-6 meters, with the focus on 17m, using modes CW, SSB and RTTY. Champ will also be in the ARRL DX CW Contest (February 15-16th). He prefers QSL requests via ClubLog's OQRS, as well as direct or by the Bureau via E21EIC. Champ will upload the log to LoTW after his trip.

Ohio/Penn DX Bulletin #1149 11 Feb. 2014 - 18 Feb. 2014

Zambia, 9J. Members of the Italian DXpedition Team are planning to be active as 9J2T between February 28th and March 17th. Operators mentioned are Silvano/I2YSB, Vinicio/IK2CIO, Angelo/IK2CKR, Marcello/IK2DIA, Stefano/IK2HKT, Alfeo/I1HJT and Mac/JA3USA. Activity will be on all bands, 160-6 meters using all modes. Suggested frequencies are:

CW - 1826, 3530, 7025, 10115, 14030, 18068, 21030, 24893 and 28030 kHz

SSB - 3780, 7103, 14270, 18155, 21310, 24975 and 28420 kHz

RTTY - 14087 kHz

6m - 50102/CW and 50123/SSB

QSL via I2YSB, direct or by the Bureau. An OQRS will be available for direct QSL and LoTW at:

<http://win.i2ysb.com/logonline/>

Ohio/Penn DX Bulletin #1149 11 Feb. 2014 - 17 Mar. 2014

Rwanda, 9X. Nick, G3RWF, will once again be active as 9X0NH from Rwanda between March 3-12th. Activity will be from Kigali on most HF bands and will be mainly CW with some SSB using K3 w/100 watts and wire antennas (Inverted V at about 40 Ft.). There will be no 160m, but he will be on 6 meters. Operations will include an entry in the RSGB Commonwealth Contest (March 8-9th). QSL via G3RWF. Nick states, "I use LoTW and do my own QSLing (prefer ClubLog)."

Ohio/Penn DX Bulletin #1149 11 Feb. 2014 - 12 Mar. 2014

The Gambia, C5. Pedro, ON7WP/C5WP, announced on QRZ.com that he and Andre, ON7YK/C5YK, are or will be the only two permanent licensed hams in The Gambia for 2014 (as of now). Pedro will be active between April 8-12th, from the village Buntu (where he does charity care - see QRZ.com), and has set up his permanent base station (Kenwood TS480, Kenwood TRC-80, Yaesu FT897, a brand new 5 band Spiderbeam and a V-beam traveling wave antenna 2x120 meter. Activity should be on 80-6 meters using SSB and PSK. Outside these days, April 7-15th, Pedro will also be mobile on 21300 kHz. He has no grid power, only solar panels and a Chinese generator. Pedro also provided the following info [edited]: "After a 14 days round trip in The Gambia and Senegal now more than two years ago, I found out I was (according to African standards) incredibly rich and wanted to do something for the locals. So I gave my guide instructions to drive off the regular road into the Savanna and said the first village we would find, would give them some special sponsoring. So we ended in Buntu, where my wife sponsored a repair of a collapsing water well; we fixed a building that used to keep the grains safe from rains; we installed solar panels and donated two laptops to improve their English by watching movies on these. As a return gift, I was donated some land to build my own house, so we installed 4 small guest houses 'Kerr Pedro' to welcome future visitors-philanthropists.

Everybody is invited to stay over for free as long as they bring aid goods along (clothes and educational stuff, or invest in projects, buy food and groceries on their way). Last visit, I installed a big 5 Band spider beam, my friend ON5OF sponsored a 2.2 kW generator so now one of the houses is a fully operational ham radio shack available for guest operators/philanthropists. I can assist obtaining temporary licenses in The Gambia and provide local transport and guiding using a jeep we also sponsored as part of our Charity project. There is a Kenwood TRC-80 radio available on site. The 3 dollars we ask for direct QSL goes directly into the development of the village Buntu. QSL cards are sponsored by Max, ON5UR, so most of this

donation can be effectively used apart for the return postage. Any more info can be found on the SmileGambia.org website. In April, we go back to check if the active building project for a community hall that also can be used for school will be finished where we will also install satellite TV for further improvement of their English. The amateur radio station could also use a low weight amplifier to improve our signal so if anybody could help on this point making us better readable that would be most appreciated."

Ohio/Penn DX Bulletin #1149 11 Feb. 2014 - 12 Apr. 2014

Micronesia, V6. Haru, JA1XGI, plans to celebrate his 50th anniversary in amateur radio by using the special callsign V650XG from Pohnpei between May 9-15th. Haru informs OPDX that his activity will be on 40-10 meters, including the 30/17/12m, using CW, SSB and RTTY. He will also look for DX on 6 meters. Suggested frequencies are:

CW - 7025, 10105, 14015, 18080, 21015, 24895 and 28015 kHz

SSB - 7145, 14175, 18135, 21260, 24940 and 28450 kHz

RTTY - 7030, 10140, 14088, 18102, 21088, 24920 and 28088 kHz

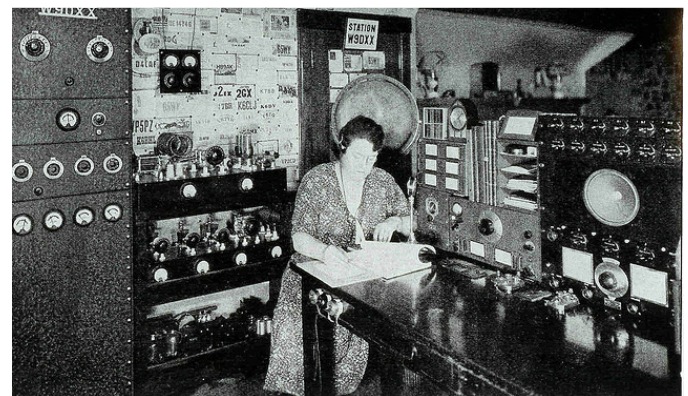
QSL via his home callsign, direct or by the Bureau. An OQRS will be available on ClubLog. For more details and updates, visit his Web page or Blog at:

<http://island.geocities.jp/v63xg/index.htm>

<http://kcv-net.easymyweb.jp/member/dxvacation>

Ohio/Penn DX Bulletin #1149 11 Feb. 2014 - 15 May 2014

SHACK OF THE MONTH



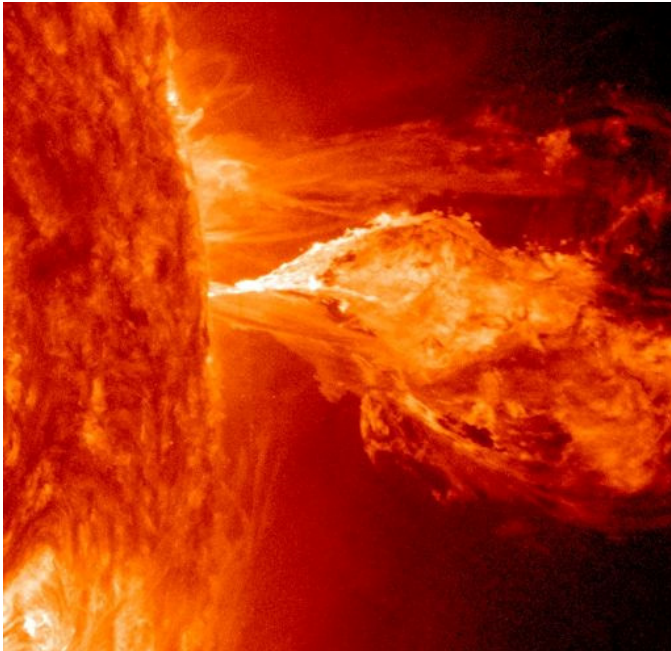
One of the World's Finest Amateur Radio Stations.
W9DXX, Owned and Operated by Alice R. Bourke, Chicago, Illinois.

Photo from KM6XO The W9DXX station in Chicago, Ill.

SPACE WEATHER

'RADIOACTIVE' ERUPTION: Today February 17, 2014, at approximately 04:50 UT, a magnetic filament erupted from the sun's western limb. NASA's Solar Dynamics Observatory captured this high-resolution image of the blast:

NASA's Solar Dynamics Observatory captured this high-resolution image of the blast:



Because of its location on the sun's western limb, the eruption did not send a CME toward Earth. However, there was an effect on our planet: Shortwave radio loudspeakers roared with static, an event called a Type II radio burst.

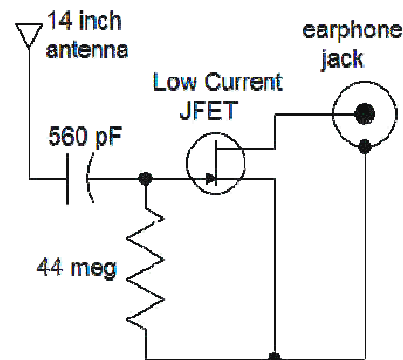
Here's how it works: The explosion sent shock waves rippling through the sun's atmosphere. Those shock waves, in turn, triggered plasma instabilities in the solar corona that emit strong radio emissions. The static-y "roar" of the explosion was picked up by solar observatories and ham radio stations across the dayside of our planet. Based on the sweep of radio frequencies from 20 MHz to 500 MHz, analysts estimate a shock velocity of 776 km/s or 1.7 million mph. That may sound fast, but it is typical for this type of eruption.

[IldoYXQgZG8gbWVulGluIHROZSBTaWduYWwgQ29ycHMgZG8/iiBhc2tlZCBKZXJyeS4=](#)

WHAT IS THIS?

You might just make this item. More of these schematics will be on GARS website under the Technical Resources webpage.

The Super Tiny VHF Receiver



If you just can't wait to try something, this little receiver is for you! The whole thing is built into an earphone plug. Laptop computers, microcassette recorders and the newer digital recorders have plenty of gain to use with this device.



This circuit receives power from the microphone input on the laptop or audio recorder. The drain of the FET connects to the center pin or to both the tip and ring pins for a stereo plug and the source connects to the ground pin. I recommend the stereo jack for the greatest compatibility. Two, 22 megohm resistors are connected in series from the gate of the FET to the ground pin and a 560pF capacitor connects from the gate to a flexible wire antenna about 14 inches long (not critical at all). The capacitor value isn't critical and a smaller value will work fine. I selected it for its mechanical strength! For the antenna, use wire that is stiff enough to hold its shape but bends easily enough to protect your recorder's jack. The JFET I used is like the 2N4117 with an IDSS of only about 125uA so power consumption is quite low. I'd recommend an FET intended for microphone preamps like the J201. This thing really works! I just walked out to the end of my sidewalk and made a [recording](#). A car passed near the end and the electric fields produced by the tires make quite a roar. There was no lightning for hundreds of miles but the spherics is easily heard. The hum was removed by Spectrum Lab and the file was down-sampled using dBpowerAMP to make the file small. (I could have used Spectrum Lab for that, too.)

Articles about VLF receivers and projects can be found at

<http://www.techlib.com/electronics/VLFwhistle.htm#Super-Tiny>

Does this interest you? Tell us what you would like to build, I'm sure we could find it and probably get you a parts list. Do you have a junk box in your closet of projects that you did not finish? I'm sure you can put together something very easily on a weekend. Bring it to a GARS meeting, we would all like to hear about it, or on Sunday nights, tell us about it on the GARS Net. Email us at garseditor@gmail.com if you cannot see the values of the components in the schematic and we will send you a large copy.

CLUB HAPPENINGS CONT.

GARS members participated with the Five Points of Life on Sunday Feb. 16 at the crack of dawn.

From our roving reporter, Debra Boal

Manning communications for station 13 and she says that it was cold in the beginning of the race. She was able to take a photo of two fire fighters in full bunker gear taking the race and I'm sure they were pretty exhausted when they got done.

Debbie said that there was 200 plus in the full marathon and 700 plus in the half marathon. The weather is good, cool this morning not too hot by 2pm.

All firefighters finished (they relayed) and 157 finished overall (last runner is nearing us at mile 19 now.)

Thanks Debbie for the contribution via Facebook and thanks to all that participated from GARS.

Also from Allen West:

GARS supported the Five Points of Life marathon Water and medical stations and sweep vehicle. Communications were provided by 22 hams, who worked a total of 104 hours on Sunday, February 16th, 2014.

The race route includes both north and south Gainesville, from NW 43rd Street on the west, through the UF campus, and out to Williston Road on the east. Nearly 700 people ran the half marathon, and over 200 ran the full marathon, including relay teams. The Five Points of Life marathon is a qualifier for the Boston marathon, among others.

[IkRvIHROZXkgZmlnaHQ/IiBkZW1hbmRlZCBTbGltLg==](#)



The start of the race.



Water Station 14 cheering on the runners.

FROM SPACE

Still no word on the life of SwampSat, is it out there?

WHAT'S THE SECRET CODE, DO I NEED A DECODING RING?

I am pleased to announce that Jeff Capehart W4UFL decoded the January clues, the next one will be harder. please review February GARS Mouth for the decoding code and contact me if you figure it out. garseditor@gmail.com

From the early 40s to Y2K there were radio and television shows that provided clues and puzzles to resolve, some of them included badges like Capt. Midnight and Special

Decoder Rings like in Jonny Quest from PF Flyers.



So there are all these C.W. messages in the whole newsletter and I'm sure you all are asking what does this all mean. Well to keep your interest in the entire newsletter, there will be a message spaced out throughout the paper for you to put together. Rules: If you put together the message correctly, you will receive a PL259, if you put together the message and tell me what book, yes I said book that the message is in by name, date, chapter and page (You must include all four), you will receive an item, parts, or even a copy of the book that will represent the topic of interest. This will only happen every quarter, and you only can win once a year, so that everyone has a chance to win. So happy decoding. Email garseditor@gmail.com the answer to win, or present to the President of GARS incase I'm not present. KE4PWE

LET ME CHECK MY CALENDER

Please check the GARS.net website for updates.

March for Babies will be on March 22 at dawn so mark your calendars and contact Pete Winters or Allen West to volunteer for a great cause.

DID YOU KNOW

GARS is on two tower sites, and boy those antennas are up there. I visited the site during some installation work for the county and took a few photos, if you look close there is a tower climber above the second microwave.



WRUF

VGhlIFNpZ25hbCBDdb3JwcyBpcyB0aGUgdGVsZXBob25ILC
B0aGUgdGVsZWdyYXB0LA0KdGhIHdpcmVsZXNzLCBhbm
Qgb2Z0ZW4gdGhIEGF2aWF0aW9uIHNIY3Rpb24gYXMgd2
VsbCwgb2YgdGhIEFtZXJpY2FuDQphcm15LCBhbmQgb2Z
0ZW4gb2YgdGhIEFtZXJpY2FuIG5hdnksIHRvby4i



TV 5

LINK'S OF THE MONTH

Interesting article from 1976 in the Mother Earth News

<http://www.motherearthnews.com/nature-and-environment/ham-radio-news-using-morse-code-zmaz76mazraw.aspx>

Great Radio Shows

<http://www.olderadioworld.com/>

Have you visited this site yet? DIY is the new term for what we have been doing for decades but it is still a great site.

<http://www.instructables.com>

<http://www.solarham.net/>

TECHNICAL CORNER

There are a lot of projects that need to have a proper solder job done on the circuit boards or wiring that connects the different electronic components together.

<http://www.instructables.com/id/How-to-solder/>

BIRTHDAY'S YOUNG AND YOUNG AT HEART

Do you have a birthday coming up, or someone you know? Email the garseditor@gmail.com with that information.

TRADE IT OR SHE WILL TRADE YOU

If you have anything that you would like to sell, trade, donate or give away, email garseditor@gmail.com and we will put the item in here. Please understand that this will be restricted to only Amateur Radio related items only, no property, vehicles or other large items that would have radio attached, just use common sense.

I'll start this off.

***Looking for electronics books of all types from late 1800 to 1970 and your used valve (tube) radios that work or not (AM, Broadcast, AR military, and Amateur Radio only)(No Public Safety agency equipment), boxes of parts, intact and or damaged antennas. Preferably give away but will barter and will pick up in the Alachua, Columbia, and Suwannee County area. Contact ke4pwe@gmail.com

CREDITS

OZ6OM For up to the minute news about 50Meter DX

Spaceweather.com for their story on eruption.

ARRL for photos of ARRL President at Orlando

REMINDERS

Don't forget the GARS Hamfest

Gainesville Amateur Radio Society every year puts on a Hamfest and a Tailgate Event and this year will be no different. We use to call it the poorman's hamfest because it was inexpensive and you had a lot of fun doing it. We are bringing that back. \$5.00 is all you need to be either inside the building or outside tailgating. Bring your own tables and chairs, there might be some provided but bring your own just in-case. Food and drinks are extra. The event starts at 7AM and ends around 1:30PM.

Volunteers needed, Contact Shannon Boal or Pete Winters.

14370 Kennard St.(SR-24), Waldo, FL, 32694Maps on GARS website www.gars.net/tailgate.htm

Look in your closet, look in your shed, look in your attic.

I would bet that you have stuff that either the XYL would love to see you get rid of or you're like me and sell one thing to get something else. So stay tuned and see what it is all about. It will be at the Waldo Baptist Church like last year with very simple setup and coordination. SO tell all your friends on the radio, send a radiogram, send smoke signals but get the word out that there will be a hamfest this year

and we want you all to participate. Stay tuned to the GARS.net website for all the details.



Thought this was a very interesting front cover, look at the people's names, Fleming and Forest.

*This GARS Newsletter was brought to you in part by
Carnation Condensed Milk, George Burns, and Gracie Allen.*

Producers: Neutralized Triode

Editors: Phil KE4PWE and Lilly No Call Just Yet

Stage Hands: Cap Resistor

Mike Grip: "D" One O'Four

Set and Lighting Manager: Tom Foolery

Script and Controller: Frequent Followers Consortium

*No Bits and Bytes were abused in the writing of this
Newsletter and all zero's and one's are able to be recycled
under the Clean Air Act. Hope you enjoyed it and we will see
you next month. 73 and 88*