

The Repeater

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WX4BCA 147.285 + (131.8)

Amateur Radio Club of Butts County

Jackson, GA



USA

FCC Invites Comments on ARRL Technician Enhancement Proposal (13 Mar 2019)

The FCC has invited public comments on ARRL's 2018 Petition for Rule Making, now designated as RM-11828, which asks the FCC to expand HF privileges for Technician licensees to include limited phone privileges on 75, 40, and 15 meters, plus RTTY and digital mode privileges on 80, 40, 15, and 10 meters. Interested parties have 30 days to comment. The Technician enhancement proposals stemmed from the recommendations of the ARRL Board of Directors' Entry-Level License Committee, which explored various initiatives and gauged member opinions in 2016 and 2017.

"This action will enhance the available license operating privileges in what has become the principal entry-level license class in the Amateur Service," ARRL said in its Petition. "It will attract more newcomers to Amateur Radio, it will result in increased retention of licensees who hold Technician Class licenses, and it will provide an improved incentive for entry-level licensees to increase technical self-training and pursue higher license class achievement and development of communications skills."

Specifically, ARRL proposes to provide Technician licensees - both present and future - with:

phone privileges at 3.900 to 4.000 MHz, 7.225 to 7.300 MHz, and 21.350 to 21.450 MHz. RTTY and digital privileges in current Technician allocations on 80, 40, 15, and 10 meters.

The ARRL petition points out the explosion in popularity of various digital modes over the past 2 decades. Under the ARRL plan, the maximum HF power level for Tech-

nician operators would remain at 200 W PEP. The few remaining Novice licensees would gain no new privileges under ARRL's proposal.

ARRL's petition points to the need for compelling incentives not only to become a radio amateur in the first place, but then to upgrade and further develop skills. Demographic and technological changes call for a "periodic rebalancing" between those two objectives, ARRL maintained in his proposal. The FCC has not assessed entry-level operating privileges since 2005.

The Entry-Level License Committee offered very specific data- and survey-supported findings about growth in Amateur Radio and its place in the advanced technological demographic, which includes individuals younger than 30. It received significant input from ARRL members via more than 8,000 survey responses. "The Committee's analysis noted that today, Amateur Radio exists among many more modes of communication than it did half a century ago, or even 20 years ago," ARRL said in its petition.

Now numbering some 384,500, Technician licensees comprise more than half of the US Amateur Radio population. ARRL stressed in its petition the urgency of making the license more attractive to newcomers, in part to improve upon science, technology, engineering, and mathematics (STEM) education, "that inescapably accompanies a healthy, growing Amateur Radio Service."

ARRL said its proposal is critical to develop improved operating skills, increasing emergency preparedness participation, improving

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Nancy Phillips

Editor

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**MARCH
2019**

Vol 7, No 3

Amateur Radio Club of Butts County**March 4, 2019****Meeting Held at Butts County Fairgrounds - Jackson, Georgia****Meeting Began at 1908****Meeting Concluded at 2020**

Attendance at Meeting: David Burnahm; Buzz Kutcher; Nancy Phillips; John Lipscomb; Brent Strite; Rudy Williams; Chris Southerland; Darlene Ragon; Glenn Wyatt; Melvin Mosier; David Ridgeway; Ken Wallis; Michelle Burnham; Pete Acevedo; Jarrod Henderson; Elaine Stachowiak; Tony Strite; Mark Clark; Dan Darsey; Winford Barnes.

Office of Homeland Security/CERT: Director Glen Goens Glen not in attendance so no report tonight.

Net Manager's Report: Ken Wallis Ken's monthly reports for the weekly net and Health Department net are posted on our Club Yahoo page.

Weekly participation in the voice/digital net is up this past month. We are averaging 9 voice check-ins; 5 digital check-ins and 8 Winlink check-ins.

Ken shares that he is need of a Net Controller for the month of March; especially March 5 as he is a "victim" for the Henry County CERT activity that evening.

Elaine Stachowiak volunteered to be Net Control for the month of April 2019. Thanks Elaine!

VE Team: Dan Darsey There will be a VE session held at Fire Station #7 on Saturday March 16, 2019 beginning at 0900. Dan says he has one potential test taker scheduled for that day. Contact Dan for more information or to sign up for testing. Many thanks to all of our Club VE's for their service!

Repeater/Technical Committee: Mike Crowe Mike was out sick tonight so Buzz volunteered to pass along his report. There is no change in the function of the D-Star repeater located at Sylvan Grove Hospital. David Benoist is working with Spalding Regional Hospital to investigate security concerns that WellStar has with ARES members using the Hospitals' internet connections. This affects all WellStar Hospitals that ARES members serve, so we are waiting for these issues to be resolved. Buzz expressed thanks to all the Club members that attended the special D-Rats training session on February 23, 2019. Computers were updated and software installed to assist members participating in D-Rats communications. Buzz also shared that during the recent Super Bowl event coordinators wanted to use D-Rats to communicate but very few ARES members were equipped and trained to fulfill this request. Our Club members need to work on these skills so we are able to respond to D-Rats requests from those we serve.

The EC of Metro Atlanta wanted coverage for 2 shelter locations in East Point for potential use as a hub to bring 'lost folks', while they waited to be reunited with their event partners. Our Club provided the most ARES members response to this request; we had 7 Club members that volunteered to be on stand-by for 12 hour shifts on and 12 hour shifts off for the 3 days the event was held. This required the ARES members to be at home on call for that time period. The volunteers can rightly be proud of their service to the request of the EC.

Skywarn Coordinator: Elaine Stachowiak Yesterday Elaine was in transit to her home to organize a Skywarn Net due to the severe storms moving through our region. As she turned on her mobile unit she heard that Buzz Kutcher had already begun a net with several members checking in with him. Sadly there were many tornadoes that touched down in the storm event March 3, 2019 in South Georgia as well as Alabama. Elaine reminded us that April is the peak season for tornado events in our area and encouraged members to assess their preparations at home to shelter in place for any severe weather that might occur.

Hospital Team and Public Health Department Team: Dan Darsey and Ken Wallis Dan shared that the Hospital Net went well yesterday, March 3, 2019, in spite of the severe thunderstorms our area experienced during the scheduled net time. Hospital Team members; Ken Wallis, Glenn Wyatt and Winford Barnes handled the required check-ins and completed all contacts. Ken says all 4 weekly Health Department nets were completed successfully. Many thanks for the 'early risers' that participate in that weekly net.

CERT Activities: David Ridgeway David shared that Glen Goens is working on a timetable for a CERT class to be held in our area. David also said that he would like to see a quarterly refresher training session held to keep members skills updated. We thank David for his attempts to coordinate with Glen Goens in this training.

Field Day Committee: Nancy Phillips Nancy said she would be contacting individual members for Field Day needs.

Membership Chairman: Nancy Phillips **Club membership dues are due tonight; please see Nancy and John Lipscomb to pay your dues.**

It takes at least 10 paying Club members to pay for the Club insurance that we carry for Field Day activities. Please rejoin the Club in a very timely manner so we can have the funds to meet this Club need. So many members give so much of their time and personal finances to support our Club activities. If everyone helps a little the job gets done, thanks!

The Club welcomes Jarrod Henderson as a new member of the Amateur Radio Club of Butts County.

Public Information Officer: Buzz Kutcher Our thanks to Buzz and the local newspaper and radio station for their continuing support of Ham Radio in Butts County! All of our activities and community service is recorded in the local new reporting.

MINUTES continued from page 2

EC Report: Buzz Kutcher The Club lost two ARES members this past month due to inactivity; we now have 29 ARES members. ARES members are divided into 3 groups according to the educational and training requirements that ARRL now requires. Level One is a basic membership in ARES; Level Two requires the completion of the Basic ARES training class, ICS classes 100-200-700-800-802. Level Three requirements add on the following classes; EC016, ICS classes 300-400. Our ARES group has 16 Level One members; 11 Level Two members and 2 Level Three members. There were 547 hours of service donated to the ARES database last month, a large portion comprised of the Super Bowl service. The dollar value of the Club service for February 2019 was \$14,000.00

Treasurers' Report: John Lipscomb General Fund \$1555.66 Repeater Fund \$1986.00 Total Funds \$ 3541.66

Club Old Business: Mark Clark shared that our Club is now a paid member of the Jackson Chamber of Commerce. He further stated that we are the only radio club in the state of Georgia to belong to the local Chamber of Commerce; another first for our Club in our dedication to service for Butts County. Mark stated that there were personal benefits of membership in the Chamber, such as potential insurance discounts which he will further investigate and share with the Club.

Ken Wallis said that the data recorded during the relay mapping activity last month was very useful and he is still compiling it into the county maps. Ken would like to schedule another mapping event for Saturday March 30, 2019. He expressed a real need for more volunteers; especially loggers are needed in each vehicle that is out on the routes. It is difficult to drive, manage radio communications and record who you are hearing and their location. Information loggers would make this activity much safer for members involved.

Nancy shared that she had to return the sample tee shirts to the business this week. If you are interested in a Field Day logo tee shirt please contact Nancy ASAP. A minimum of 8 tee shirts are required for the screen printing or embroidery of the Club logo to be produced. Tee shirts range in price from \$ 6.50 - 12.00. Embroidering the logo is an additional \$8.34.

Club New Business: Buzz Kutcher and Mark Clark have been looking into the possibility of setting up a Butts County Amateur Radio Club LOTW account. This would allow all Field Day contacts and any personal HF contacts using the Club call sign to be entered into the LOTW. Furthermore all past Field Day contacts may be added retroactively. More details to follow.

Due to the ongoing problems fulfilling security requirements associated with the D-Star repeater at Sylvan Grove Hospital, Buzz stated that David Benoist suggests our Club purchase a 'professional' quality router as well as a Raspberry pi to isolate our repeater from the Hospital's IT system. Buzz respectfully requested that the Club allocate \$300.00 for the D-Star repeater support. The funds would be used for the purchase of equipment to fulfill this need. Some of the equipment, the router, has already been purchased and the donor would need reimbursement. Winford Barnes made a motion to allocate the funds as described above and Melvin Mosier seconded the motion. The motion was passed by Club members in attendance.

Buzz said he was in the process of moving our Yahoo files and message board to **group.io**. Be on the lookout for an email inviting you to join this group. The group.io platform is much more user friendly than Yahoo with no advertisements to clutter the messages.

Our President, Elaine Stachowiak, requested that members thoughtfully submit ideas for training, monthly programs and Tech Saturdays to increase interest and skills of our Club members.

Members who are not already receiving the very information newsletter "Georgia on My Mind" may go to the ARRL website and under your account choices sign up to receive this newsletter via email.

John Lipscomb suggested holding a Club interest survey. What do we as members of this Club want to learn or do? Please send your thoughts to John Lipscomb for compilation of a survey of interests.

Coming Events: 5K Jackson High School Football Race will be held on Saturday May 4, 2019. All volunteers serving in this race meet on site at 0700. A handheld 2m radio is the equipment needed to serve that day.

March 23, 2019 is the Gun Safety Class to be held at the Jackson Prison location. It is an all day class with lunch of hamburgers/hot dogs provided to attendees. Required equipment is your personal hand gun and at least 50 rounds of ammunition. Wear comfortable clothing such as jeans that day. Class begins at 0900 that day; contact Nancy Phillips to register or for further information.

March 30, 2019 is the Womens' Self Defense Class to be held at the Recreation Center in Jackson, Georgia from 0900 to 1200. It is sponsored by the Sheriffs' Department of Butts County. There are 10 spots still open for family or friends of Club members. Contact Nancy for further information or to register.

Many thanks to Winford Barnes for his donation of time and knowledge to the Morse Code Level Two Classes! Class ended this past Thursday and a graduation dinner was held that same evening. Congratulations to the students completing the training. Now get on the air and pound that keyer!

Monthly Program: In lieu of a monthly program, tonight we held election of Club Officers for the next 2 year terms of service. Nominations for each Club Officer position was brought before the membership in addition to the names presented for Officer positions. No other names were submitted for consideration to any position of service by the membership.

David Ridgeway and Brent Strite first and seconded nomination of Elaine Stachowiak to serve as President. David Ridgeway and Dan Darsey first and seconded nomination of Nancy Phillips to serve as Vice President. David Ridgeway and Dan Darsey first and seconded nomination of Darlene Ragon as Secretary. David Ridgeway and Dan Darsey first and seconded nomination of John Lipscomb as Treasurer. The Officers were presented individually and are elected to serve for the next 2 years.

Raffle Funds Raised this Meeting: We raised \$34.00 for the repeater fund tonight in raffle items. Thanks to those who donated items and those who purchased tickets or just made a repeater donation.

Whit's Wisdom

Whit Smith - WA4VBX

HOW IS YOUR "J" Trap?

If you have a sink or floor drain, you have an associated "J" trap in the drain line. This article is for the person who is handy and doesn't mind trying new things. It pertains to the drain lines under your bathroom sink and/or kitchen sink that are made out of PVC pipe. An older house that doesn't have PVC pipe will probably require the service of a plumber, if a problem exist.

My present house is about 14 years old. The only drain lines that have needed cleaning are those in the bathroom. Hair in the drain lines has been the cause of the drain lines to become clogged and drain slower and slower. This article addresses that specific issue.

In order to clean out the "J" trap, you must provide a container to catch the water when you take apart the drain line. One way to make this container is to take an empty plastic gallon jug that contained water, or vinegar, and cut the top off down to about 3" from the bottom of the jug. After using, clean the container and leave it under the sink for future use.

Place the container underneath the "J" trap. The connections should be only hand tight. The first thing to do is to remove rod that controls the plunger in the bottom of the bathroom sink. The kitchen sink generally does not have a plunger. Unscrew the plastic nut and remove the rod, clean the rod

and plunger if required. Pay attention to the position of the plunger when it is removed. Look at the tip end of the rod. If it is worn or gone, replace it with a kit from a "big box" store. If it is necessary to clean out the "J" trap and the connecting drain line, unscrew the plastic nut and take apart the line. You should be able to do this without moving the piece of pipe that goes through the wall. Use an old coat hanger and push a small amount of toilet paper through the pipe and the "J" trap to clean them.

After the drain lines are cleaned out, reassemble the line, the plunger, and the plunger control rod. Partially hand tighten each plastic nut until all the nuts are threaded properly and not cross threaded. Be very careful when you reassemble the joints. It is very easy to cross-thread, so be mindful of this. When you start to turn the nut, you should be able to turn the nut several turns very easily. After all nuts are started and not cross threaded, tighten all nuts by hand. Do not use a wrench. Wipe off the drain lines. Run some water in the sink and check for leaks. If any occurs, you should have to tighten the plastic nut only slightly.

This doesn't take very long to do this project. You can save some money and you can do it when you want to and not when the plumber can get to it.

__ WS

TECHNICIAN ENHANCEMENT PROPOSAL continued from Front Page

technical self-training, and boosting overall growth in the Amateur Service, which has remained nearly inert at about 1% per year.

The Entry-Level License Committee determined that the current Technician class question pool already covers far more material than necessary for an entry-level exam to validate expanded privileges. ARRL told the FCC that it would continue to refine examination preparation and training materials aimed at STEM topics, increase outreach and recruitment, work with Amateur

Radio clubs, and encourage educational institutions to utilize Amateur Radio in STEM and other experiential learning programs.

Visit "How to Comment on FCC Proceedings" for additional information at,
<https://www.fcc.gov/consumers/guides/how-comment>.
 NNNN
 /EX

__ The ARRL Letter, 14 March 2019

190305 Net Mgr Report

Buzz held 4 ARCoBC Trng Nets in Feb, averaging **9+** voice chk-in's per wk, **5** on MT-63, w/ WinLinks at **8** weekly. That's a GREAT improvement in participation over January and the best since this time last year. Thx for your time & effort!! It'll make a difference for our communities when we're needed.

The ARCoBC still needs Net Controllers, including this month, and esp tomorrow night as I'll be at a CERT class in Henry Co, and we still need NCS's 'scheduled' for the upcoming months.

Lemme know if any of you would like to try the NCS slot on the net one Sunday, voice, digi, (or both) and also Winlink Net Logger and I'll be glad show you how they're done. (Reports too, if you'd like) The Net 'Preamble' (NCS script) is in the Yahoo grp files and my FLDigi 'Trng Net' macros are avail on request. I'll be glad to show you how to use 'em. Who knows, you might have some SERIOUS FUN!! and wanna do it the next wk, and maybe wanna git scheduled for a whole month... (hint, hint...)

REMINDER - for those of you who are too far away to chk in on voice, you may be able to get in on digital so you can still participate. We use MT-63 2KL, ctr'd on 1500 on the waterfall. I always have my ph handy, so if you're fightin' gremlins call me and we'll git you goin' & chk'd in.

ARES, again... we can STILL use more volunteers. We have enuf to handle the monthly/weekly testing of our **3** Response Team sites, but as y'all know, most of us are double-scheduled on the teams and we can't be at 2 places at once.

Pls don't forget to keep your ARES Connect up to date weekly, daily if possible.

"...we GOTTA be able to DO what we SAY we can do." - Mike Crowe, Nov '16 mtg

Thx & 73,
Ken, KM4HOS
Butts Co Net Mgr

Sylvan Grove Hospital NET Report --

KK4GNO, W8XC, & KM4HOS manned the hospital station for the monthly Hospital Net. Winlink, DStar, & HF contacts were made.

16 Mar 2018 VE Session -- Saturday's VE Session went well, but no candidates showed for the session. I want tot hank Win W8XC, Ken KM4HOS, Greg KI4NWD, Rudy KA8LAD, Nancy K4NEP, and Mark NI2Y for joining me, and our guest Charles Davis WA4UJC.

Tuesday Net NCS for APRIL

Elaine



190305 BCHD Report

We got chk'd into 4 outta 4 GA Health Dept Nets last month. We have 7 Response Team operators at the Butts Co Health Dept. If you're interested in helpin' us out over there, pls contact Ken, KM4HOS, for more details.

REMINDER: Most of our BCHD Response Team members are double-scheduled on other teams, and we can't be in 2 places at once if we have an 'event'. Soooo.... we could still use a couple more ARES 'volunteers' for ALL 3 of our 'permanent' Butts Co RT sites, not to mention any /P (portable) or /M (mobile) operators the new EC may need for an 'event'.

If you'd like more info or wanna volunteer for our Butts Co ARES 'krew' and/or one of these RT sites, pls see the Butts Co EC or myself, for more info, your participation will be a big help, much needed, & APPRECIATED.

Thx fer yer support...

Ken, KM4HOS

yer friendly, neighborhood HD rep

WHY JOIN AN AMATEUR RADIO CLUB ?

_ JEFF PHILLIPS KN4FRG

When a new individual joins the Ham radio ranks by passing their Technician Exam, they have numerous questions, especially regarding what to do in the hobby, expectations, the lingo, what radio or handheld should I buy, and the list continues. Many will go to the internet to research for answers and/or read books that explain the many opportunities or specific information regarding an aspect of the hobby, hopefully providing answers to their many questions. Many times, though, these resources can come up short in helping that new Technician gain answers to their many questions.

The internet provides a wealth of information and it is a good place to start to begin learning the many aspects of the hobby, but a club provides firsthand experience on various fields of the hobby, and attending club meetings allows new members to begin to absorb some of the language or lingo just by hearing it in context. Many club members will surprise new members by how happy they are to explain something to new members. The hobby is so vast that we all are in a state of learning and a club allows someone to gain new information, answering questions, or just hearing that "OH" answer by just being a part of a conversation. Many times an individual can gain that little missing tidbit of information just by listening to a conversation from those Hams who have done it.

One of the biggest question a new Ham operator usually has is related to what equipment do I need to get started. The choices are extreme. A new Technician starts out by looking for that handheld and maybe even a mobile VHF/UHF transceiver with an appropriate antenna for their base station or to go mobile. The choices are unlimited with several manufacturers that provide several different types of units ranging from simple dual band radios to those with features including D-STAR, DMR, WIRES-X, System Fusion, APRS, GPS, Packet, and others. These choices definitely

make the hobby very interesting. But, club members can help a new member discern between these choices and direct them to the right solutions based upon their unique situation. Many times, the answer will depend upon the new Technician's circumstances or their wants – so every answer could be different or varied.

Many club members can make sense of the Technician's wants or desires depending upon their situation. A new operator might want a new VHF/UHF transceiver for the home, but each home is different. The home could have limited space or even a whole room for the shack. The community the new HAM lives in might have restrictions on the types and size of antenna or even none at all. Spouses also have different ideas on what they will allow in the home or maybe in the car. The point is everyone has a different circumstance, but club members provide invaluable advice and can become your personal zoning board for making those critical decisions. The internet is a vast pile of information, but does come up short as a means to fully answer these questions, especially when trying to apply the internet's answers to your specific questions. The club and its members is a great resource for assistance and mentorship.

Unsurprisingly, every new operator is going to experience a problem. Programming that new HT or mobile rig, right paddle or straight key for doing CW, best mobile antenna, best radio for the money, differences between D-STAR and WIRES-X, setting up digital or packet, how to connect my new radio to the computer, and the list goes on and on. With the immenseness of the Ham hobby, the problems are several and the answers can be different for every situation, but if the new Ham belongs to a club, it is a simple and very easy task to ask another member with more experience for help and advice. The club member might invite the new Ham to their home to

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JOIN - continued from page 6

share in experiences and/or provide the answer to the question by showing the new operator the answer visually. Over time, through the camaraderie of the club, the new operator will begin to answer those questions to other newcomers eventually becoming the expert. Another excellent reason to join a club is that big project.

Most all clubs have antenna parties, erecting a tower, multi-operators in a contest, Field Day, and many other group required projects. In these situations, the club members' band together to attack these large projects and get it done. The same applies for the club itself and to benefit each individual member when they have that big project. The club offers an infinite amount of awards just by becoming a member and applying a little time each month. The article is not necessarily derived to suggest you join a specific club, but Amateur Radio Club of Butts County would definitely welcome you. The focus of the article to make you aware of what a club or clubs can offer.

A new Ham operator should join a club, and usually there are clubs available locally or within a

given region. The American Radio Relay League (ARRL) offers a website for the new operator to find that club. The link is <http://www.arrl.org/find-a-club>. The link will provide ARRL affiliated clubs based upon your search. After you input a search, the link provides the local clubs in your area along with the specialties and/or services the specific club provides. Some clubs are general interest, some are focused on emergency communications, and others could be specialty clubs – low power (QRP), contesting, digital, and etc.

In any case, why join an amateur radio club? The article provided several good reasons for the new operator or really any Ham to join a local or regional club. The club offers many opportunities for the new Ham to gain information, bounce ideas, learn things hands-on, participate in antenna parties, and many more. The club is a great place to pose a question and get many ideas that are unique to your situation and not a canned answer from the internet. If you are not currently a member of a club, hopefully this article provided you a few points to ponder and soon a new club will see you at their next meeting.

-JP

Origin of the Butts County Amateur Radio Website

In the fall of 2015, I started researching what it would take to create a website for the club. I was still working then, and one of my co-workers, James Walters, also ran an IT Services Company, Tech Seven IT Services, which hosted and created websites. After a long lunch, he told me to go to "Go Daddy" and get a domain name and he would get a website created and would host for free of charge.

After much thought on my part, **www.bcgaares.com** domain name was purchased from Go Daddy. James assigned my project

to Anil, one of his web developers. In just a few days, our website was up and running. With Anil's directions and guidance, I learned how to maintain the site.

For what he did for the club, a plaque was sent to Tech Seven IT Services, James and Anil, in Nov 2017. In the photo are Anil on the left, Kranthi on the right. Kranthi is Anil's boss. The picture was taken at the offices of Tech Seven in India.



An Appreciation plaque was requested by Dan Darsey W4DED to be awarded to the IT Tech in India who designed our website.

— Dan Darsey W4DED

FIRST CROSS-COUNTRY FLIGHT OF PACKARD DIESEL POWERED STINSON "DETROITER", X7654, 1929

<http://www.earlyaviators.com/pimagf30.htm>

Reprinted as was presented in original article.

DIESEL MOTOR FLIES PLANE 650 MILES

**Packard Craft on Trip to Langley Field Is Hailed by
Technical Experts as Greatest Step Since War**

Fuel Cost is \$4.68: Engine is Guarded

**Touch of Button Starts Drastic New Crude Oil
Type; Radio Is Effective**

By Francis D. Walton
A Staff Correspondent

LANGLEY FIELD, Va., May 14.---Technical leaders in American aviation gathered here today from all parts of the country for the fourth annual meeting of the National Advisory Committee on Aeronautics, the government technical agency for the study of unsolved aviation problems which was founded by President Wilson. They came to hear the report of the Advisory Committee on the problems disposed of during the last year and to renew conferences regarding the elimination of gasoline internal combustion engines from aviation.

Answer Masked From View

While these flying experts were gathering, a plane flew here last night on a non-stop flight from Detroit. Today, while the technicians conferred and asked each other what the chances were for having some time in the next ten years a satisfactory Diesel type motor for airplanes, an answer to their problem remained in the visiting ships hangar, padlocked with heavy steel chains.

Under the chains and under the double padlocks which held a tarpaulin over the motor which powered the Detroit plane was conceded to be the answer to one of the really outstanding problems of aeronautics since the war.

The motor, which uses crude petroleum as fuel, and the plane are owned by the airplane division of the Packard Motor Company. The gesture in bringing the revolutionary type of engine into the meeting place of all of their rivals was accepted as being a beau geste by



Packard officials in answer to much criticism from the aircraft industry in general that the claims of the Packard company were unfounded.

Designer Shows Motor

The "mystery motor" was uncovered late in the afternoon by L. M. Woolson, its designer, to a small group composed of two newspaper correspondents, three flyers and the aircraft engineer. To all outward appearances the motor appeared to measure up in all particulars to the claim of the Packard engineers.

The non-stop Detroit flight on Monday night appeared as an effective answer to doubts which had been raised regarding the feasibility of the Detroit motor. It was the first long distance cross-country flight which ever had been made with a Diesel type airplane motor. The performance in this flight was sufficient to indicate to the layman its revolutionary nature.

First the plane made the flight on ordinary domestic furnace oil. It accomplished the trip at an average speed of eighty-five miles an hour, through adverse weather. The airline distance is 560 miles, but the plane, in fighting its way around and through rainstorms, traveled approximately 650 miles. The cost of the fuel for the flight was \$4.68. The cost of high test aviation gasoline such as that used by all of the other hundred-odd planes which were flown here for the technical meeting, for a flight from Detroit, would have been approximately 24.

Radio Interference Banished

Development of the Diesel engine for use in ocean liners was the cause of a sensational revolution in marine propulsion. The same advantage is now claimed for the Diesel engine in aircraft. In addition to low fuel cost, the fire hazard is eliminated. Also, radio can be operated for the first time in an airplane without the ordinary interference which develops through the use of electric ignition systems on gasoline aircraft engines.

Captain Woolson, who made the flight here from

DIESEL POWERED AIRCRAFT continued from page 9

Detroit with Walter Lees, said that the radio interference problem was completely solved.

The plane is equipped with radio apparatus and has the radio call sign W8XC.

"The radio reception while flying," said Captain Woolson, "is every bit as good as if you were listening to the finest set in the quiet of your drawing room."

Secrecy which Packard officials have thrown about their motor is said to have been motivated purely by economic reasons. "There is no patent obtainable on a Diesel motor which will serve in airplanes. In order to capitalize their solution of the problem, the Packard officials had to make plans for standard production many months ago. A modern factory, with approximately 300,000 square feet of floor area, is now completion in Detroit. Their plant, it is said, will be used exclusively for the Packard aircraft Diesel engine. The date for the start of production work has not been set.

Rivals Are Barred

Captain Woolson was without authority to show the motor when he arrived here last night. It was pursuant of strict orders received from his home office that the literally locked up the engine with chain and padlocks when he landed. Because of the secret which, it has been known, he has been carrying for the last year, the presence of Captain Woolson caused much interest. Correspondents besieged him for some report of his work. Late in the afternoon he received telegraphic permission to show the motor to the correspondents. None of the rivals of Packard in the aircraft field was to be permitted at the showing.

With no small amount of ceremony, padlocks were loosened and the tarpaulin taken off. The motor resembles the ordinary air-cooled gasoline motor in general appearance. The frontal area of resistance is somewhat less than the gasoline type. It is a nine-cylinder single-valve type.

One of the great problems in the construction of a Diesel airplane engine has been the reduction of the engine's weight. Ordinary Diesel engines are of enormous weight. According to Captain Woolson, the Packard design weighs less than three pounds a horse-power, which compares favorably with radial air-cooled gasoline engines.

Another of the more interesting difficulties reported to have been solved by Captain Woolson and his aids

was the manner in which the Diesel engine, which requires great pressure to start, was actually started.

At a signal from Captain Woolson, a man seated in the cockpit of the plane pushed a button. Instantly there was an enormous explosion, indicating that the engine was firing and was ready to start.

"Could anything be simpler?" Woolson asked.

"It seems to me," said Major Thomas G. Lanphier, former commander of the 1st. Pursuit group and one of the three flyers permitted to see the motor, "that you used gunpowder or guncotton to kick it over."

Captain Woolson only smiled as he answered: "You will leave us with our mystery, will you not?"

Among the many aviation men who came here for today's conference and the annual inspection of the advisory committee laboratories were Orville Wright, Charles Lanier Lawrence, president of the Wright Aeronautical Corporation; Admiral William A. Moffett, chief of the Navy Bureau of Aeronautics; William P. McCracken, Assistant Secretary of Commerce in charge of aeronautics; and David M. Ingalls, Assistant Secretary of the Navy for Aeronautics.

Packard Stock Rises 16 1/2 Points

Packard Motor stock was the outstanding feature in yesterday's trading on the New York Exchange. After opening at 129 1/2, it dropped to 128 1/2. Here wild buying set in on favorable reports connected with its new Diesel type airplane engine, and it scored a rapid additional advance.

From the New York *Herald Tribune* Wednesday, May 15, 1929

Our very own
Winford Barnes
now proudly
owns call sign
'W8XC'!



Bluebirds & Bluegrass Festival

Saturday, April 20, 2019

WX4BCA - Dauset Trails Park - near the forge



BUTTS CO EP SURVEY**_Ken Wallis KM4HOS**

190305

All, we conducted the '1st' bonafide site 'survey' on our Tech Saturday in Feb. In spite of some initial 'gremlins' it was a GREAT success!! Collected alotta signal propagation data about each site in Zone 1 (NE part of the county) and what kinda equipment we need at each site to reach the 911 ctr, the WX4BCA rptr, and/or FS #3.

More importantly, I figured out how to trim down the 'shoppin' list' of things we need to check at each site so our next surveys should go quicker & easier. I think we'll forgo the UHF chk's fm each site except for any Fire Stations or shelters in each Zone so we can chk/use 'cross-band repeat' on our radios if necessary to relay info fm the Zones to the 911 ctr, EOC or an ICP. We'll see how that goes when we do Zone 10 next time. Am busily sortin' thru the data and puttin' it all in the data base to go on the Butts Co EC's .GIS map to eventually be posted at all our permanent Response Team sites. Got good starts on Zones 10, 9, and 4 so we'll be ready to do those surveys soon.

The most exciting part of the survey Sat morn-ing was Glenn's, KK4GNO /M, and ol' stump jumper's (his trusty Jeep) intrepid adventure into the dreaded 1S (lower W) swamp. Braving the drizzly day's wet & puddled up roads (specifically the south end of Jack Maddox Bridge Rd, sans bridge) they fearlessly proceed'd beyond 1S(lwr W), waayyy past the pavement to assess the elusive, uncharted 'site A' along the banks of the Tussahaw Creek... It didn't end well.

With fingers crossed, Glenn & 'jumper' crept down what was left of the dirt road and suddenly, without warning, ol' stump jumper 'nose dived' into a waist deep 'water hazard' hidden under what look'd like a regular old rut in the road. Ugghhh...

Quickly, Glenn radio'd fer hep and wuz answer'd by none other than Burnham's Swampside Wrecker svc. Luckily for Glenn, David had his 'supervisors' w/ him, so Nora & Natalie and their 'supervisEE' proceeded to da scene. Upon arrival at the end of the paved part of da road, THEY voted to have David proceed on foot, thru da swamp to the site of the disaster. Never one to shirk his responsibilities, David trek'd thru the unimaginable soggygness to Glenn's rescue. Fortunately for David, by the time he got to sed disaster, Glenn had winched ol' stump jumper outta da hole and back to solid ground. To make a short story longer, all survived and Glenn and his (now) trusty 4 wheel drive 'glob of mud' went on (to the once semi-clean paved roads of Butts Co), muddied 'em up, and completed their site checks... and a FINE time wuz had by all.

Stay tuned for next months installment of 'the Butts Co EP Survey rpt' as our cast of 'kharacterz' attempt their assault on Buzz's backyard (I mean 'back-acher'), Zone 10 and the, as yet unexplored, Tussahaw Reservoir in the NW part of 'WILD' Butts Co.

until our next episode,
Ken, KM4HOS

ARCoBC Recreational Adventure chairman

Jackson Football Alumni 5K will be held on May 4, 2019

It is a **morning** event and is held in the neighborhoods around the football stadium. I think this will be our 4th time providing course communications support for the event.

DUES due by 3/31/19

Don't forget to sign up for attendance and also record your hours in the ARESCONNECT HUB.

NETS

SUNDAY:

(rev. 190228)

Metro ARES FM Net - 1st Sunday ONLY at 1600L,
WA4ASI repeater, Covington, 146.925-, 88.5 PL
KK4GQ repeater, Fayetteville, 145.210 -, 131.8 PL
KC4AQS repeater, Paulding Co, 145.805 +, 100.0 PL

GA ARES/BCECA WL Express Net - Send an ICS-213 (or regular typed msg, if unable 213) to WX4GMA and WX4BCA by 2200Z. [1700L EST winter/1800L EDT summer.] Please use a Winlink RF gateway; Winmor packet, etc, if capable; otherwise, use Telnet.

GA ARES Digital Net - 2100Z [1600 EST winter/1700 EDT summer] 3.583 MHz USB.

GA ARES PSK 'Traffic' Net - send an ICS-213 to WX4GMA NCS, FLDigi, MT-631KS, centered on 2000 MHz.

GA ARES PSK 'check-in' Net - Even numbered months, FLDigi, BPSK-125, centered on 1000Hz, 'text' check-ins only and will run concurrently with the PSK 'Traffic' Net.

GA ARES D-RATS Net - 2130Z [1630 EST/1730 EDT].
Odd months, port: gaares.ratflector.com.

GA Section HF Net - 2200Z [1630 EST/1730 EDT],
3.975 MHz LSB, voice, by callsign prefix.

SE Weather Net - 2100L, D-Rats/D-Star, on
sewx.ratflector.com. D-Star Voice on REF004A.

TUESDAY:

Butts County Emergency Comm Training Net - 1930L,
WX4BCA repeater, 147.285 MHz, + offset,
131.8 PL, begins with voice check-ins, followed
by an NBEMS Digital Net. WL Express msgs
accepted if Not sent the previous Sunday, send
to WX4BCA with name, callsign, location, and
whether you are on mobile or aux power.

THURSDAY:

NCRC/ARES/RACES FM Net - 2000L, WA4ASI repeater,
146.925 - & 444.800 -, 88.5 PL. WL - K4NCR.
May have a 'follow on' Digital Net - MT63-2KL,
centered 1500 Hz, D-Rats on
gaares.ratflector.com.

*** For other training opportunities, see the BCECA Yahoo Group website, and/or the GA ARES website for other Nets w/ days, times, freqs, protocols, etc, for your training convenience.***

ANNOUNCEMENTS

2 SPECIAL CLASSES

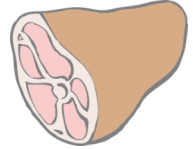
Sat, March 23: A Firearms Class, 9AM-4PM. The Firearms class requires an ID card, a handgun and 50 appropriate rounds. (Wear jeans!)

Sat, March 30: A Women's Defense Class, 9AM-Noon. For the Women's Defense class, wear comfortable clothes, such as sweats.

Please contact Nancy 573-528-0697 to sign up.

HAM HOCKS ...

Assorted ham radio parts
for sale, trade, or wanted.



Ads must have your name and a means of contact.
Including a price is up to you. Deals are between
seller and buyer. ARCoBC and the Editor not liable.
Honesty is the best policy!

ALINCO DR-635 T/E with RT systems software.
\$275 negotiable. Win Barnes W8XC McDonough
248-421-0822 winfordb@att.net

YAESU MH-31 hand mic. Made for a Yaesu FT-817;
possibly fits models 450, 857, 891, and 950. Has
been checked out and works. \$30. Nancy Phillips
K4NEP Jackson 573-528-0697 k4nep@arrl.net

WANTED: ICOM ID-5100A. If you have a 5100A
you wish to part with, please contact Jeff Phillips
at forcefrog@gmail.com or 573-528-0698 (MO)

CALENDAR

MARCH 2019

23 - Day at the Range - Capt Garrison - 9AM - 4PM
30 - Women's Defense - Capt Garrison - 9AM-Noon
30 - Mapping Day 2 - Kersey Pavillion - 9AM - Noon

APRIL 2019

1 - Monthly Meeting - 7PM, Jackson FGs
20 - Hungry Hams - Lunch Box - 0730
20 - Tech Saturday - 0900 - 1600, Dauset Trails Park
"Bluebirds and Blue Grass Festival"

MAY 2019

6 - Monthly Meeting - 7PM, Jackson FGs
11 - Hungry Hams - Lunch Box - 0730
11 - VE Session - 0900, FS #7, 144 Colwell Rd
17-19 - Dayton HamFest - Dayton, OH

JUNE 2019

3 - Monthly Meeting - 7PM, Jackson FGs
15 - Hungry Hams - Lunch Box - 0730
15 - Tech Saturday - 0900, FS #7, 144 Colwell Rd

JULY 2019

1 - Monthly Meeting - 7PM, Jackson FGs
20 - Hungry Hams - Lunch Box - 0730
20 - VE Session - 0900, FS #7, 144 Colwell Rd

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2019 FIELD DAY

**June 22 -23, Kersey Pavilion
Daughtry Park, Jackson**

CONTACT INFO

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