

**TENTATIVE AGENDA****December 2019 NFARC / ARES MEETING**

WEDNESDAY December 11,, 2019

Red Cross Building -- 1475 NW 6th Street, Gainesville FL

**6:30 pm - CHITCHAT**

7:00 pm – meeting starts

TIME	ITEM	Presenter		
6:30 PM	<i>Informal get to know others -- COME EARLY AND CONVERSE!! – you could get your skills signed off at this time also!!</i>	Chris Carr		
7:00 – 7:05 (5 min)	Introduction  <b>Review List of Those Badged -- and those needing EC-001!!!</b> <b>We have a course coming up! Sign-up EC001:</b> <a href="https://docs.google.com/forms/d/e/1FAIpQLSdSfxEYepERaqyrzZqsC8k60yOD-4SVzavQIZjHQFUhaAEE8g/viewform">https://docs.google.com/forms/d/e/1FAIpQLSdSfxEYepERaqyrzZqsC8k60yOD-4SVzavQIZjHQFUhaAEE8g/viewform</a>	Jeff Capehart		
7:05-7:15 (10 min)	Operation Santa Report! (THIS Saturday, Dec 7 -- 0800 at Santa Fe!)	Van Chesney		
7:15-7:20 (5 min)	Report on the Voice Intercom Project	Gordon Gibby		
7:20-7:30 (10 min)	Report on the Amplifier Project	Gordon Gibby		
7:30-8:30 Rest of the Meeting	<div>Discussion of Possible Projects/Goals for 2020</div> <div>All of these ideas are proposed and tentative ; they are up for discussion!</div> <table><tr><td>ROUGH TIME FRAME</td><td>IDEA</td></tr></table> <div><b><i>ADD YOUR IDEA IN HERE ALSO!!! DON'T BE SHY!</i></b></div> <div><ul style="list-style-type: none"><li><b>WINTER: Preparing for Emergency Conference</b></li><li><b>WINTER: ARES TASK BOOK:</b> Get everyone interested to Level II or higher on State Task Book during WINTER</li><li><b>WINTER/SPRING</b> Add about six more people to the badged EOC list if possible BY JULY 1</li><li><b>SPRING &amp; FOLLOWING</b> Reaching Out to High Schools</li></ul></div>	ROUGH TIME FRAME	IDEA	ALL
ROUGH TIME FRAME	IDEA			

2013 Martha Muir Contact:

<https://www.youtube.com/watch?v=rRYFsqTgINQ>

ARISS Explanatory Video:

<https://www.youtube.com/watch?v=Z-yHD9lVbH8>

Long Video on Pennsylvania (just did their contact this week)

Jump to 29:00 to catch the beginning radio calls:

Watch earlier to see how they set it up

<https://www.facebook.com/crsouthradio/videos/2457289227854942/>

Potential Slide Show to show to local High School Principals:

<http://qsl.net/nf4rc/Tech/SchoolSlides.pdf>

<http://qsl.net/nf4rc/Tech/SchoolSlides.odp>

- FIRST: TEAM CREATION
- Depending on volunteers available, develop TEAMS, each team has 1 principal, and 2 backup mentors (to handle absences of the principal). All members must have Level II background checks, badged by the EOC
- Based on the number of TEAMS available (one person can be principal on a maximum of 2 teams), determine the number of schools that can be accepted.
- **ARE THEIR OTHER COUNTIES / CLUBS THAT WOULD LIKE TO JOIN IN ON THIS??**
- **MARCH:** Provide information to as many high schools as possible, **when possible with in-person presentations to principal or responsible decision maker.**
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- **Martha Muir Idea:** (paraphrased) Offer to do a 4-day "immersion" STEM course over the summer by application from student&parent for interested students in **JULY** -- gives us a chance to interact with especially interested students who can then help grow STEM in their schools, and get it done when parents are looking for educational opportunities for their students
  - Hold at EOC Conference Room
  - Involve teachers and parents to greatest degree

	<p>possible--open to teachers as well</p> <ul style="list-style-type: none"> <li>▪ Gets students in touch with County EM facilities</li> <li>▪ Wide-ranging TECHNICIAN COURSE fills much of the 4 day STEM course, but add in PROGRAMMING and NETWORKING skills additionally [simple C programming on Raspberry and especially on uBitx Nano microprocessor where you can SEE the outcome of your software]</li> <li>▪ Move students right into advanced digital</li> <li>▪</li> </ul> <ul style="list-style-type: none"> <li>○ <b>MARCH:</b> Simple 1-page application form for schools to apply for a Mentorship Team -- listing who will be the faculty sponsor, and realistic assessment of how much effort, time and space the school can commit to a mentored technology club based broadly on amateur radio, including radio, electronics, computers, possible satellite / HF / emcomm / international space station communications.</li> <li>○ <b>MAY:</b> Based on the number of teams available, accept the best application forms from schools.</li> <li>○ <b>JULY</b> -- 4 day Immersion STEM class</li> <li>○ <b>AUGUST</b> -- Participate in whatever school introductory information about clubs, etc is normally done</li> <li>○ <b>AUGUST</b> -- Begin weekly mentored after-school sessions with faculty sponsor</li> <li>○ <b>SEPT, OCT, NOV</b> -- work through STEM / Technician / Computer Intro, goal is license</li> <li>○ <b>DECEMBER</b> -- License Exams [See below for SANTA EFFORTS]</li> <li>○ <b>DECEMBER 2020:</b> Optional: if we aren't completely overwhelmed, and if there is interest, we could offer an intensive 2-day school-vacation STEM event....possibly related to our Christmas Telegraphy Effort.... All depends on how overwhelmed we are....</li> <li>○ <b>JAN FEB MAR APR 2021</b> -- extend and advance with mentoring on operating, antennas, public service, emergency comms, experiences with community leadership, etc. BEGIN ISS / SATELLITE APPLICATIONS AND EQUIPMENT</li> <li>○ <b>Emergency Conference</b> -- Students &amp; Parents</li> </ul>	
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	<p>involved in the 2021 Emergency Conference</p> <ul style="list-style-type: none"> <li>◦ <b>FOLLOWING SUMMER</b> -- Repeat Immersion 4 Day Class -- But doing Two groups now -- new Technician Group, and offer GENERAL CLASS course to returning students</li> <li>◦ <b>FOLLOWING YEAR:</b> First Semester is Technician Class with previous year students assisting in mentoring/ but also a General Class Mentoring with Goals of both licenses in December</li> </ul> <ul style="list-style-type: none"> <li>• <b>SPRING:</b> EOC Equipment Upgrade Effort--their dime <ul style="list-style-type: none"> <li>◦ (details left out of this email)</li> </ul> </li> <li>• <b>SPRING:</b> EOC Equipment Upgrade Effort--our part <ul style="list-style-type: none"> <li>◦ (details left out of this email)</li> </ul> </li> <li>• <b>WINTER//SPRING</b> Headsets Effort--get several more people with headsets or some at the EOC / Intercom</li> <li>• <b>VERY COLD DAY:</b> EOC Antenna Efforts <ul style="list-style-type: none"> <li>◦ (details left out of this email)</li> </ul> </li> <li>• <b>SUMMER PAPERWORK EFFORT:</b> Propose Mesh Network Southward -- mesh at Windmill &amp;/or packet.</li> <li>• <b>JUNE:</b> EOC Field Day 1F / 2F?? (1 or 2 transmitters)</li> <li>• <b>FALL:</b> Solar Power Essentials Systems</li> <li>• Technician Course (Summer, see above)</li> <li>• <b>FALL:</b> General Class Course</li> <li>• <b>FALL:</b> Get Ready for Santa Telegram Effort (to complement the Santa FM Radio Effort, but at different locations and different times -- Costumes, telegraphy equipment etc )</li> <li>• <b>CHRISTMAS 2021</b> -- Assist with the GARS FM Talk To Santa</li> <li>• <b>CHRISTMAS 2021</b> -- Hold the Santa Telegrams at 1 -3 times/locations (preferably INDOOR) [<i>Santa Grams sent if possible by radio to a nearby helper over <u>truly ancient looking vacuum tube radio</u> special purpose for the event ]</i></li> </ul>	
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	<ul style="list-style-type: none"> <li>• See Telegraphy Draws a Crowd: <a href="https://www.youtube.com/watch?v=mAUOK45qfEM&amp;feature=youtu.be">https://www.youtube.com/watch?v=mAUOK45qfEM&amp;feature=youtu.be</a></li> <li>• See page 3 explanation here: <a href="https://qninewsletterdotnet.files.wordpress.com/2015/11/qni-2013-12.pdf">https://qninewsletterdotnet.files.wordpress.com/2015/11/qni-2013-12.pdf</a></li> <li>• See (Kids writing Radiograms) <a href="https://www.youtube.com/watch?v=4sXLODLvIJc">https://www.youtube.com/watch?v=4sXLODLvIJc</a></li> <li>• <b>SPRING:</b> (Before it gets hot) Park Antenna Morning</li> <li>• <b>FALL:</b> QRP Vacuum Tube Amplifiers (by then I may have several rigs repaired)</li> <li>• HF Rig Effort (inexpensive, used, maybe cubit's)</li> </ul> <p style="text-align: center;">-----</p> <p><b>LabNLunch Projects</b> - scattered throughout year -- as many as we can manage.....I think we only got about 3 done this year....too busy for others...</p> <ul style="list-style-type: none"> <li>• Split Toroid Common Mode Current Monitor (cheap split ferrite bead / meter)</li> <li>• AC Line Common Mode Choke (FT-240-43 toroid)</li> <li>• VHF/UHF Reflectometer SWR (printed circuit board)</li> <li>• Satellite/Space Station Antenna Mount -- purchase, make work!</li> <li>• Trailer-Tower (Satellite / Yagi / VHF/UHF / Wire Antennas) Build trailer mount</li> <li>• uBitx or other CABINETS</li> </ul>	
	<i>ADJOURN -- isn't that enough for one meeting???</i>	