

**2020 EMERGENCY CONFERENCE
PUBLIC INFORMATION DOCUMENT -- SHORT VERSION**

FEBRUARY 29 / MARCH 1

GAINESVILLE FLORIDA

REVISION: FEB 5 2020

Conference Text is now finished! -- 221 pages of educational material that will be given away free of charge to conference participants. Those participants who are likely volunteers for the Florida Baptist Disaster Relief faith-based NGO will additionally receive a second text directed at such ministries. We are extremely grateful to our incredible lecturers who have authored such an educational document in preparation for their upcoming lectures and hands-on training sessions!

See:

<https://www.amazon.com/2020-Amateur-Radio-Communications-Conference/dp/B083XX3SZR>

(available in both paperback and Kindle)


<https://www.amazon.com/Disaster-Ministry-Radio-Communications-Handbook/dp/170152760X>

(available in both paperback and Kindle)

Using AMAZON is by far the least expensive way for us to provide high quality written texts to our participants. In a communications disaster, the Internet isn't going to be there for you to review.

SATURDAY - FEB 29 2020		
DATE TIME	BASIC TRACK	LEADERSHIP TRACK
	Designed for persons needing skill improvement	Designed for EC's AEC's and Other ARRL Officials who need to be able to design, publicize, execute, and write up Exercises, while growing local groups
Saturday 0800	Registration	Registration
0830	INTRODUCTION & WELCOME-- Explanation of Conference, Facilities, Exercise Gordon Gibby KX4Z And Representatives of Co-Sponsoring Organizations	
0845	Use of Amateur Radio Volunteers in County Emergency Operations Bill Sinor KA3OGG, EC Bill Brumund K4GGY, AEC	
0915	Break into two tracks	
0920	Review of Amateur Radio Volunteer Response to Disasters Speaker: C. Matthew Curtin KD4TTE & SSG Nick Valentin from Ohio -- both in service to Government, NGO's and Survivors.	Why We Practice -- Discussions of Actual Disasters and FEMA Exercises Speaker: Gordon Gibby KX4Z The Role of Exercises, Drills in building skills in building capabilities and groups as well.

1000	Voice Traffic Procedures Speaker: C. Matthew Curtin	1000 - 1030 GROUP LEADERSHIP SKILLS Speaker: Gordon Gibby
		1030-1115 REVIEW OF DIGITAL SKILLS Speaker: Earl McDow K4ZSW
1100	1100-1200 Digital Skills -- Demonstrations and Explanations of Broadcast (FLDGI) and ARQ (WINLINK) Speaker: G. Gibby & MANY OTHERS	Review of digital skills to ensure leadership is in FRONT of progress.
1115	techniques and systems to move tactical and formal traffic <u>WINLINK hands-on – get everyone accounts and get them on winlink</u>	1115-1200 VOICE NET CONTROL PRACTICE Speaker C. Matthew Curtin KD8TTE You will need your handi-talkie, this is going to be REAL traffic net practice.
1200	LUNCH BEGINS publix sandwich rings, tea, water, colas	
1215-1300	FORUM: Integrating ham volunteers across groups Q&A (LUNCH) Moderators: Gordon Gibby / Matthew Curtin How the ARRL NTS & ARES Can Work Together in Disaster How an AUX COM State Functions for Ham Radio Other Items of Interest	
1300	MORE HANDS ON VOICE NET TRAFFIC Speaker: Leland Gallup AA3YB Asst: C. Matthew Curtin More hands on voice net traffic (possibly including net control station practice, using the same materials we used for EC-001)	Writing an EXERCISE PLAN Speaker: Gordon Gibby KX4Z Possibly with input from Karl Martin <div style="border: 1px solid black; padding: 5px; text-align: center;">This is a ham-radio-focused tour through the FEMA Course IS-139. As part of this you will sketch out a simple exercise for your home group.</div>
1400	Hands-On Digital -- in small groups Multiple Instructors: Jeff Capehart, Larry Whited, Leland Gallup, Susan Halbert, Vann Chesney, Earl McDow; Matthew Curtin for PAT / Linux / Mac (available 1400-1420) FLDGI WINLINK	GETTING GOVERNMENT AND HAMS TO WORK TOGETHER -- BLACK SWAN SUCCESSES!!! C. Matthew Curtin (1420-1450)
1500		MEDIA and MODERN COMPUTER

	<p>HF & VHF -- bring as many persons up to speed on sound-card techniques as possible. Peer to peer, and RMS connections</p> <p>Bringing up digital – how to physically connect sound card systems (and maybe hardware TNCs?) – <i>hands-on connections and building cables for everyone. (Nominal fee) Expect this to take 90 minutes</i></p>	<p>TECHNIQUES TO KEEP YOUR GROUP FLOWING Gordon Gibby KX4Z</p>
1600	<p>ANTENNAS -- Emergency antennas in HF and VHF/UHF service</p> <p>Speaker; C. Matthew Curtin Building antennas – VHF HF – literally build some antennas just like we do in our Technician and General classes</p> <p>Suggestion: VHF/UHF: quarter-wave vertical with drooping 4 radials from a SO-239 connector</p> <p>HF: End Fed Resonant half wave Multi Band Dipole (Demo construction, possible kits for participants)</p>	<p>Invited Guest:</p> <p>Hal Grieb</p>  <ul style="list-style-type: none"> • Director of Emergency Management, Alachua County • Florida Professional Emergency Manager (FPEM) • Master Exercise Practitioner (MEP) <p>Reviewing methodology and materials available from https://preptoolkit.fema.gov/web/hseep-resources.</p>
1700	<p>EMERGENCY POWER -- how to power your emergency station, batteries, generators, solar</p> <p>Speaker: EARL MCDOW with C. Matthew Curtin bringing flexible solar panel example.</p>	<p>THE WRITE UP -- How to conduct a HotWash and then a HSEEP-based After Action Report and Improvement Plan. Gaining group buy-in for Improvements.</p> <p>Speaker: Gordon Gibby KX4Z</p> <p>How to write it up afterwards – the Hotwash, other reviews & AAR/IP – and how to publish on amazon for free</p>

SUNDAY MAR 1 2020	
1245	MEET AND ORGANIZE -- REVIEW THE INCIDENT ACTION PLAN FOR DEPLOYMENTS. Speaker: Jeff Capehart
1330	DEPLOYMENT TRAVEL -- 30 MINUTES ALLOTTED
1400	SESSION 1 OF FULL SCALE EXERCISE (45 MINUTES)
1445	SESSION 2 OF FULL SCALE EXERCISE -- OPEN INJECTS (45 MINUTES)
1530	SESSION 3 OF FULL SCALE EXERCISE -- OPEN INJECTS (45 MINUTES)
1615	DEPLOYMENT TRAVEL -- RETURN -- 30 MINUTES ALLOTTED FOR TEAR-DOWN AND RETURN
1645	HOTWASH DISCUSSION -- C. Matthew Curtin & Nick Valentine
1745	CLASS PHOTO AND GRADUATION CERTIFICATES

EC-001 IN PERSON COURSE

We Received Approval from ARRL!!!

The Emergency Communications Conference fleshes out a significant amount of EC-001. We will use the Conference as much of the "hands-on" -- In two additional days, we can run through the ARRL Slides of the areas that were hands-on covered at the Emergency Conference, and additionally go through all the remaining sections of the EC001 ARRL Course.

LEGEND:

"Conference" -- means the topic will be covered in the listed Lecture/Activity at the 2020 Emergency Conference

"Friday" means it will be a lecture on Friday before the Conference

"Monday" means it will be a lecture on Monday after the Conference

EC001 TOPIC		BASIC TRACK	LEADERSHIP TRACK
Section 1	The Framework: How You Fit In	Gordon Gibby	Gordon Gibby
	Special Talk: The Nassau County Experience by Bill Brumund [An Example of What Can Be Done -- and how it affects staffing in an emergency from Bill's Experience] EC: Bud Sinor		
Topic 1	Introduction to Amateur Radio Emergency Communication	Conference: 0900 Review of Amateur Radio Volunteer Response to Disasters	Conference: 0900 Why We Practice -- Discussions of Actual Disasters and FEMA Exercises
Topic 2	Amateurs Professional Image	Friday Gordon Gibby	Friday Gordon Gibby
Topic 3	Amateur Radio Emergency Communication Organizations & Systems	Friday Gordon Gibby	Friday Gordon Gibby
Topic 4a	Partner Agency Communication Systems	Friday JIM BLEDSOE	Friday JIM BLEDSOE
Topic 4b	Working Directly With the Public	Friday Gordon Gibby	Friday Gordon Gibby
Section 2	The Networks for Messages		
Topic 5	Basic Communication Skills	Conference: 1000 Voice Traffic Procedures	Conference: 1030 VOICE NET CONTROL PRACTICE
Topic 6a	Basic Net Operations		
Topic 6b	Introduction to Emergency Nets		
Topic 6c	Net Operating Guidelines		
Topic 6d	The FCC Ruling on Drills and Employees	Friday	Friday

Topic 6e	RACES	JIM BLEDSOE	JIM BLEDSOE
Topic 7	The Net Control Station	Friday Gordon Gibby	Conference: 1030 VOICE NET CONTROL PRACTICE
Topic 8	Net Control Station Operator Practices	Friday (very brief) Gordon Gibby	
Topic 9	The Net Manager	Friday Gordon Gibby	Friday Gordon Gibby
Topic 10	Specialized Nets and Their Operations	Friday Gordon Gibby	Friday Gordon Gibby
Topic 11	Severe Weather Nets / SKYWARN	Friday Gordon Gibby	Friday Gordon Gibby
Topic 12	Social Media and Emergency Communications	Friday Gordon Gibby	Conference: 1500 MEDIA and MODERN COMPUTER TECHNIQUES TO KEEP YOUR GROUP FLOWING
Topic 13	Digital Communications	Conference: 1100 Digital Demonstrations 1400 Hands On Digital	Conference: 1115 Review of Digital Skills
Section 3 Topic 14 Topic 15	Message Handling Basic Message Handling and Documentation Introduction to the National Traffic System (NTS)	Conference: 1300 MORE HANDS ON VOICE NET TRAFFIC	Conference: 1030 VOICE NET CONTROL PRACTICE
Section 4	What Happens When Called		
Topic 16	Preparing for Deployment	Conference: SUN EXERCISE	Conference: SUN EXERCISE
Topic 17	Equipment Choices for Emergency Communication	Conference: 1600 1700 Antennas Emergency Power	Conference: SUN EXERCISE
Topic 18	Emergency Activation	MONDAY Gordon Gibby with Jim Bledsoe	MONDAY Gordon Gibby with Jim Bledsoe
Topic 19	Setting Up, Initial Operations, and Shutdown	Conference: 1600 1700 Antennas Emergency Power	Conference: SUN EXERCISE
Topic 20	The Incident Command System	MONDAY JIM BLEDSOE	MONDAY JIM BLEDSOE

Section 5	Maintaining Readiness		
Topic 21	Operations and Logistics	MONDAY Gordon Gibby	MONDAY Gordon Gibby
Topic 22	Health and Safety		Conference: Incident Plan Creation / Master Scenario Event List
Topic 23	ARES PIO: The Right Stuff	MONDAY JIM BLEDSOE	MONDAY JIM BLEDSOE
Topic 24	Alternative Communication Methods	MONDAY JIM BLEDSOE	MONDAY JIM BLEDSOE
Topic 25	Hazardous Materials Awareness	MONDAY JIM BLEDSOE	MONDAY JIM BLEDSOE
Topic 26	Marine Communications	MONDAY Gordon Gibby	MONDAY Gordon Gibby
Section 6	Alternatives and Opportunities		
Topic 27	Propagation, Space Weather, Solar	MONDAY JIM BLEDSOE	MONDAY JIM BLEDSOE
Topic 28	Other Training Opportunities	MONDAY JIM BLEDSOE	MONDAY JIM BLEDSOE
	FINAL EXAM (YOU WILL PASS!!!)	MONDAY	MONDAY

2020 COMMUNICATIONS CONFERENCE CHAPTER AUTHORS

THESE TITLES ARE NOT SET IN STONE -- YOU CAN ADJUST AS NEEDED

# per author	Chapter # in published book	Author	Subject	Progress
	1	(Gibby)	Introduction	
1	2	C. Matthew Curtin / Valentine	Review of Amateur Radio Volunteer Response to Disasters	Assigned
2	4	C. Matthew Curtin / Valentine	Voice Traffic Procedures	Assigned
3	5	C. Matthew Curtin / Valentine	VOICE NET CONTROL PRACTICE (suggest a chapter on how to train people to be effective net controls)	Assigned
4	14	C. Matthew Curtin / Valentine	Getting Government & Hams to work together	Assigned
5	9	C. Matthew Curtin / Valentine (but he may give away, in which case I or McDow can handle)	ANTENNAS -- Emergency antennas in HF and VHF/UHF service	Assigned
1	3	Gibby	Why We Practice -- Discussions of Actual Disasters and FEMA Exercises	Good draft done
2	11	Gibby	GROUP LEADERSHIP SKILLS	Good draft done
3	7	Gibby	Digital Skills -- Demonstrations and Explanations of Broadcast (FLDGI) and ARQ (WINLINK)	Writing underway
4	12	Gibby	IEercise Creation (including Incident action plan) (INCLUDING SCENARIO)	Good draft done
5	13	Gibby	MASTER SCENARIO EVENT LIST: Scenario and injects	(combined with Exercise creation; good draft done)
6	17	Gibby	THE WRITE UP -- How to conduct a HotWash and then a HSEEP-based	Assigned (not

			After Action Report and Improvement Plan. Gaining group buy-in for Improvements.	started)
1	8	McDow	(Leadership Track) REVIEW OF DIGITAL SKILLS (I suggest the chapter have an overview of the skills that a leader type needs to master)	Assigned
2	10	McDow	EMERGENCY POWER -- how to power your emergency station, batteries, generators, solar	Good draft done
1	6	Leland Gallup	HANDS ON VOICE NET TRAFFIC (Suggest an outline of the procedures of running a voice net)	Assigned
1	16	Gordon Gibby	MEDIA and MODERN COMPUTER TECHNIQUES TO KEEP YOUR GROUP FLOWING	Working draft finished.