

# 2017 ARES ACCOMPLISHMENTS

Amateur Radio Digital & Voice Emergency Communications Published Jan 7 2017 (1st Edition)

**Procedure Checklist Jan 13 2017**

Beatty Tower New Antenna Mount Jan 23 2017

Beatty Tower New Antenna x 2 Jan 23 2017

Beatty Tower Additional Node Station 2017

WM3B New Digital Node Feb 15 2017

KM4YGH-10 WINLINK gateway approved Jan 24 2017

KM4YGH-10 online Feb 15 2017

KI4YGH-10 New 65 watt transmitter Feb 15 2017

NK3F New HF Dipole up & Rig Mid Feb 2017

GARC New Dipoles built & Installed flying EAST of the DENTAL TOWERS

KM4YGG/YGH --- Built not just one, but TWO go-box'ed portable VHF stations!

W4UFL -- with a bit of help, got a gobox VHF rig up and running using an ancient Radio Shack 2 meter unit.

KX4Z Printed Circuit Board V1.0 designed and prototype built

KX4Z Construction Manual V1.0 written & published

KX4Z Printed Circuit Board V1.1 with corrections, 40 copies ordered - April



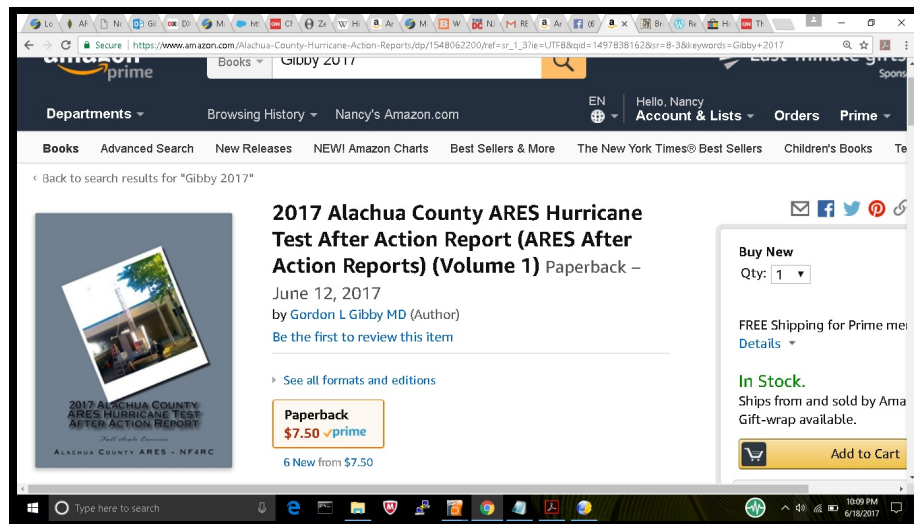
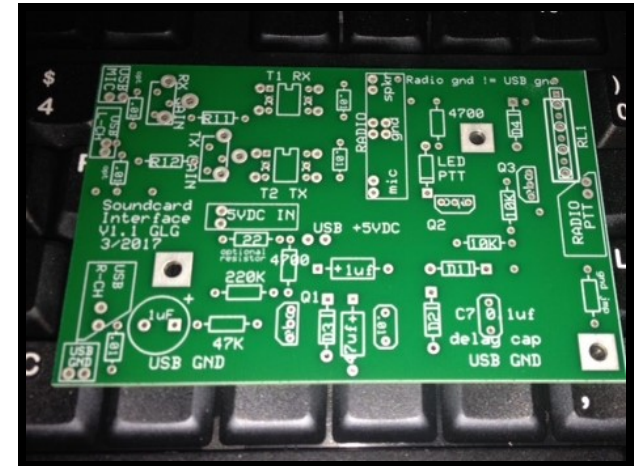
KX4Z Construction Manual V1.1 written & published - April

AC4QS Built his own \$25TNC using V1.1 kit -- works! -- April

KK4ACA Gus is working on a vhf GoBox hoping to have it ready for the Hurricane Test.

**May 3rd Very Successful Full Scale Exercise Hurricane Test with EOC and Div Forestry Participation, 55% of local ARES participating**

- After Action Hot Wash session held
- 30 "issues" identified and being resolved
- Full After Action Report being compiled
- Our Exercise got listed by the EOC in their lists of Training Exercises



**May 13/14 20/21 34-hour General/Extra Class Course completed -- dozen participants, went home with SWR meters, and new HF antennas, multimeters and lots more "ham-smarts" -- Zawoy passed EXTRA!**



June 9 -- 2nd Edition of Digital & Voice Amateur Radio Emergency Communications published [2nd Edition](#)

June 12th -- Hurricane After Action Report / Improvement Plan published on Amazon [Hurricane Report](#)

June -- Training meeting held at EOC and FOUR emergency antennas emplaced in tree canopy south of the EOC building with significant contacts made.

July -- KM4YGH -- list of equipment for refurbishing Santa Fe College Amateur Radio Station submitted to benefactor

July 17 -- Members visited Dixie Amateur Radio Klub and made simple presentation -- invited back to demo/teach WINLNK.

July 21 -- First 2.397MHz 5MHz Bandwidth MESH Node deployed at Tom Cox's house



## July 24 -- NF4RC Emergency HF Gateway brought up and working

### NK3F:



KI4QBZ -- fallen antenna replaced July with help from KM4YGH/KM4YGG/KX4Z

**July 25 -- KX4Z has built two "training/go-box Baofeng units with their own \$25TNC's -- and a third board soldered and a fourth under construction (by 72 year old sister!)**



**KI4KEA -- July --- replaced 2 meter antenna**

**AUGUST --- Now up to FIVE hams who have passed their EXTRA CLASS and 1 Passed GENERAL**

**Training Meeting held and SLOW SCAN TV taught so well that hams were sending photos back and forth!**

**First training on MESH accomplished --- but a goof kept us from showing how to move in and out of MESH / 2 meters with AX.25  
TWO Microwave Mesh go-systems now in working not-quite-ready-for-deployment condition.**

**AUGUST --- 4 mile (6 km) 2.397 GHZ 5 MHz BW successful microwave contact from the Dentral Tower Roof to NK3F-001**

**AUGUST -- Vann AC4QS Conducted a Digital/winlink Training Session for the Dixie County Amateur Radio Klub --- hooray for Vann!**

**ICS-FORMS for the Simulated Emergency Test forwarded to Jeff Bielling who has graciously agreed to mentor us in these forms.**

**AUGUST --- First trials of UNPROTO (unconnected packets) multi-user net/chat sessions conducted successfully by Vann Chesney**

**TECHNICIAN COURSE**



**SEPT: KG4VWI Succeeded at PACKET AX.25 Communications!**

Hurricane Irma -- Built THREE GOBOXES and staffed about 9 Hurricane Shelters







STEINHATCHEE STORM -- Simulated Emergency Test -- Full Scale Exercise with deployment to Steinhatchee, portable HF Forwarding WINLINK station; Fire Tower Relay, MESH network







LAB N LUNCH Refurbishment of SB-100 Vacuum Tube HF Transceiver

