

ARCHIVED WWRA OPS COMMITTEE TASK TRACKING (11 November 2001 to 30 September 2003)**CURRENT PRIORITY ACTION ITEM – ACTION ITEM--INDEFINITE HOLD – COMPLETED ITEM**

2001-2002	Task	Order Status	Op Status	Work	Equipment	REMARKS	B G	Target Due Date
11/11	0176	-	-	Discuss the installation of new coax to main antennae. At least 300 feet of coax available to us is Andrews HELIAC COAX CDF5 50A Part # 84147 to do one run up tower. 1/28 Russ said he had capstan winch and only needs two people to help him. George and Bill laid out coax on 30 June so that tower climber would be able to raise the new coax on the tower during the week of 1 July. Learned on 18 July tower climber fell on 6 July and is laid up for about a year.	MAJOR Antennae Coax Project	Main Ant Configuration: Conn at top end of coax is a N-type Male, followed by a double N-type female adapter (replaced 11/10/01) followed by a male 6 ft jumper that attaches to splitter (double male). Followed by 3 ft jumpers with N-type conn on one end with the other end hardwired into the phasing harness connecting to each UHF and VHF antenna.	All	POSTPONED INDEFINITELY EARLIEST WILL BE SEPTEMBER CANCX 23 JULY
01/01	0286	■	■	It would appear that the Mic E data bursts need to be delayed. The data burst is very close to the end of the voice xmission. This will be done in the KPC-9612 TNC.	UHF	Data bursts on tail end of vox xmissions make it into APRS about 30% of the time. When xmitting independently they make it about 95% of the time.	B G	TBD
01/08	0289	■	■	Situational voice announcements such as "Wind Warnings for Kitsap County" triggered by incoming APRS messages to WW7RA.	APRS		C G B	TBD
01/08	0290	■	■	11MB/sec digital link into the repeater using the new 802.11b wireless operating as Part 97 devices. This would turn the digi into an Igate. Include a router and we could have the first truly high-speed amateur networks in the country.	APRS	Long Term Project	C G B	TBD
3/25	02111	Ordered 3/25 Received 4/25	No	Bill ordered 10 relay switches from DigiKey, 701 Brooks Ave. South, Thief River Falls, MN 56701-0677, 218-681-6674 fax 218-681-3380 SPST 12VDC 10a Relays Part # 2779ND	UHF		B	TBD
06/12	02127	Related to Tasks 02123 & 02124	No	VHF: Install new VHF repeater to repair VHF auto patch problem.	VHF Auto patch		B G	COMPLETED 7/20
06/21	02132	-	YES	Hookup both repeaters to high antennae.	High Antennae	Bill and George to make visit to hill and re-connect repeaters.	B G	COMPLETED 23 JUNE
7/18	02143	-	-	Bill and George to go up hill. HILL TRIP.	VHF Repeater	Priority One work.	B G	COMPLETED 7/20
7/20	02144	Shipped 1 August	No	Removed UHF repeater for upgrading.	UHF Repeater	Bill shipped back to manufacturer for upgrade.	B G	COMPLETED
7/23	02145	-	-	Our original second foam filled coax, which was donated, to us was un-donated and used on another Channel 13 project. George looked at another 7/8" foam filled coax that is better and will procure for \$125.00. This will be installed when tower climber will be well, probably next year.	NEW SECOND ANTENNA COAX	SPECIFICATIONS: LDF5 50A A9903 92552 440 FEET w/40 foot separate piece	B G	PICKED IT UP ON 4 AUGUST

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8/4	02146	Related to Task 02145	-	We now have our very own, WWRA, new coax in hand and will try to get another tower climber to install at a reasonable cost. If not we will have to wait for Russ, which will be next year at the earliest.	INSTALL SECOND COAX	SPECIFICATIONS: LDF5 50A A9903 92552	B G	TBD
8/13	02147	-	-	Bob, Bill and George worked for two days to get out Summer Newsletter.	-		B B G	COMPLETED 8/15
8/13	02148	-	Yes	George received Kantronics KPC-9612 Unit A back from Kantronics and will program and place on hill as time allows.	Re-Install KPC-9612	Bill and George made HILL TRIP to install overhauled KPC9612 on 1 Sep. TNC can now be controlled remotely.	B G	COMPLETED 1 SEPTEMBER
9/20	02149	Related to Task 02146	-	George made trip to hill to talk one on one with Ch 13 engineer Al about rigging second coax. George contacted Ron Smith tower climber. Ch 13 is planning some future work on tower.	INSTALL SECOND COAX	To save money, the plan is to rig our second coax on tower when Ch 13 has some work to be done.	B G	20 Sep Hill Trip Coax Install COMPLETED 19 OCT OBER
12/21	02154	-	-	Brought down VHF PA 100 amplifier from hill. Will probably need to be overhauled	PA 100 Amplifier	1/11/03: Advanced Communications System is overhauling PA 100.	G	COMPLETED 29 JANUARY
1/17	02155	Shipped 1/17 Rcvd 1/29	No	Mic E control cable was not wired to the specifications that were sent to Black Box. Black Box authorized FEDX both ways to correct their bad wiring job. B/B did not fix cable and it was sent back 1/27 and returned to us 1/29.	VHF Mic E	NOTE: George made 4 trips to the hill, 1 call to Kantronics and 2 calls to Link Comm in January to troubleshoot this problem. All unnecessary! Turned out that Black Box Corp technicians DID NOT wire the harness correctly.	G	COMPLETED 29 JANUARY Hill trip 29 and 30 January
1/17	02156	-	-	Bill to procure (4) pigtails for 110VAC block transformers and (3) 2.1MM 12VDC power connectors.	Cabinet		B	COMPLETED
2/1	03157	-	-	Annual meeting. Bill and George got two extra hands to help out on Operations Committee.	-	WN6V, Carl Callender and W7COM, Joe Hamelin both volunteered for Ops Committee.	C J	COMPLETED 2/1/2003
2/12	03157	-	-	Ops Meeting with Joe, Bill and George to complete Mic E, WxVox, removal of Backup VHF Rptr and inventory. Hill trip planned to inaugurate Joe at repeater site on 2/21.	Meeting Hill Trip Planning	George took Joe up to Gold Mountain for orientation trip.	J B G	Hill Trip COMPLETED 14 March
2/17	03158	-	-	George went up hill to clear rain gauge.	Wx Sta		G	COMPLETED
04/05	02118	Related to Task 0151	Yes	New RG 214 coax is now in hand. Now that we finally have cable that was due in Sep 01 we will install after other priority jobs are completed.	Cabinets		B	TBD
06/14	02129	!	!	On 15 June Bill and George discovered main ground strap under cavity cabinet had never been hooked up to cabinets. Made emergency hookup but will make this job a priority upon next visit.	Station Ground	Lightening arrestors in hand as of 9/5/02. Install lightening arrestors on phone lines next trip to hill. Note: Temp Lightning protection in place	B G	Next PRIORITY

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12/12	02153	Related to 0179 Ordered 12//12		The old UHF control link would require updating from manufacturer. A new unit with appropriate cable connections was ordered from ACS. 3/18/03 - George to solder connectors for WxVox and 12VDC power to UHF receiver. 3/19/03 -George completed the wiring harness for UHF link, WxVox and RLC 2 connectivity.	UHF Control Link	3/14 Control link is ready to go up. The connections for the WxVox are to be incorporated into DB9 RLC2 connector end. George made hill trip 3/21 Installed and checked out.	G	COMPLETED 3/21
2/12	03158	Related to 02155	No	The Black Box Mic E control cable modified by Bill and turned over to Joe, W7COM for completion. As of 15 March Joe is working on circuits.	VHF Mic E	4/4 Joe returned Bill's Mic E cable to George for installation on hill.	J	COMPLETED 12 April
3/18	03159	-	No	U2000 APRS "A" Unit weather module zeroed out at 40 inches on 14 March. A mystery. It was also subsequently discovered that this unit only xmted 40 bytes compared with newer modules xmtng 48 bytes. George will go up Friday 21 Mar and swap out the unit A with unit B and bring A down for upgrade. Unit B can be spared as it is currently waiting for the WxVox to be fixed by Peet Bros. 3/20/03 We discovered that it is a problem in the Win APRS software program and the way it reads any amount of rain over 40.96".	Win APRS Weather Station & NWS Display Interface Issue	3/18 George called Jim Stewart at Peet Bros. Current rainfall on hill is over 44.9in. and transmission data received by NWS via APRS does not accurately reflect that so we this needs to be addressed. 3/21/03 George emailed Keith Sproul, Win APRS author a copy of the local win APRs file. Keith agreed to help us fix the problem.	G B	ONGOING This issue does not affect any mechanical or electronic functions of weather site
3/18	03160	-	No	3/18 George called Advanced Communications Systems and spoke with the owner Gary. Reset controller by connecting rear panel connections 15 and 17. Instead of using the troublesome VCI software program the controller could then be set by use of keypad on a handheld. This is a much more preferable method. It was decided that missing DB25 connector on rear panel to be built by Bill, N7YT saving us money. George is doing the programming with the unit on his bench.	VHF ALTERNATE Repeater	NOTE: The old designation of the BACKUP VHF repeater has now been re-designated ALTERNATE. It is working fine. By resetting it we can return it to the hill instead of spending money to have ACS look at. It will be placed on the hill in w/o phone patch capability in STANDBY in case it is needed.	B G	COMPLETED 12 April
3/28	03161	-	No	Placed two new AAA batteries in Alternate VHF Repeater, rigged phone conn 57/58 & 12VDC conn.	VHF ALTERNATE	BATTERY CHANGE OUT	G	COMPLETED 3/28/03

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12/9	02152	Keypad Module Ordered 12/9 Rcvd 1/11/03 Shipped WxVox Back 3/14 Rcvd 5/21	-	Installing second keypad module with junction box to connect to existing sensors and provide data strings to VOX BOX. 1/17/03 This job is taking on a life of it's own. We are getting an additional cable from Peet Bros. 2/1/03 Turned over to WN6V, Carl who will be working on this project. 2/11/03 WN6V, Carl turned project back over to ops committee. 2/12/03 W7COM, Joe took Wx Vox project for action. 3/14/03 George shipped WxVox back to Peet Bros for checking. Not working properly. 5/9/03 Jim Stewart, technician from Peet Bros. Called George to say he would be shipping a brand new Wx Vox next week. Received 5/21/03 Joe, W7COM and George, N7GME will be doing final installation on Wednesday 4 June. 6/13/03 George made trip to hill to reverse two leads between RLC 2 and Wx Vox [input/output] and tested the voice response. It worked first time on UHF.	Weather VOX BOX	Unit B: This additional U2000 keypad module will provide a link to providing the Users with voice activated wx rpts. 3/28/03 George talked with Jim Stewart who is expecting two new EPROM's for the WxVox. He expects to ship it back next week. Received BRAND NEW weather voice box 5/21/2003. Joe, W7COM and George, N7GME programmed RLC 2 controller to make noon VHF weather announcement and allow users to get voice weather report on demand by pressing in 6020.	B G C J	COMPLETED 13 JUNE
5/9	03153	-	-	After getting one report from Ron, KE7KR that the UHF transmitter was reading 3.5Hz low we checked with another source, Chas, W4HFZ. Matt, N7KXU reported his radio was not hearing very well on UHF. It appears that we need to calibrate. Plan is for Bill and George to use a couple of different calibrated frequency counters to trim the UHF transmitter.	UHF Repeater Transmitter	Bill and George were able to calibrate to within 1.6KHz low but could do no further calibration. Decided to order new crystal.	B G	COMPLETED During Hill Trip 21 May
6/13	03156		Yes	Contacting Jim Stewart at Peet Bros. To get rid of an unwanted announcement at tail end of WxVox weather report. 6/26 Sent email to Jim Stewart asking for a quote to CUSTOMIZE weather vox end report.	WX VOX	George got an agreement with the manufacturer to program a CUSTOM eprom with WW7RA announcement.	G	COMPLETED 30 SEP
9/1	03158	-	Yes	Installed lightning protection on both UHF and VHF coaxes.	Antennae Coax		J G	COMPLETED 30 SEP
9/1	03159	-	Yes	Repair RLC 2 Controller Port 1 connector cover.	RLC 2		J	TBD
9/1	03160	-	Yes	Hookup pin 1 on Port 4 DB 9 connector for RLC 2 connection to Weather Vox	RLC 2		J	COMPLETED 30 SEP
9/1	03161	-	Yes	Reset both Weather Control heads and replaced 9V batteries. Annual maintenance.	Weather Station		G	COMPLETED 30 SEP
9/30	03162	-	-	SWR check on UHF 1.1:1 SWR check on VHF 1.2:1	Antennae Coax		G J	COMPLETED 30 SEP