

Reston Century 2006 Bike Ride Across Loudoun

Sunday, August 27, 2006

**Amateur Radio Support To
The Loudoun County Chapter, American Red
Cross**

LARG Operations Plan Loudoun Amateur Radio Group Loudoun County, Virginia



**Loudoun ARES - LARG OPLAN 2006 Amateur Radio Support to the
Loudoun Chapter, American Red Cross**

Dated: August 24, 2006

From: NC4S Gary Quinn

Time Zone: Eastern Daylight Saving Time

Mission: To provide radio communications support to the [Loudoun County Chapter](#) of the [American Red Cross](#) (ARC). Loudoun County Chapter, ARC is providing support to the [Reston Bicycle Club](#) to this event on Sunday, August 27, 2006. A portion of the Century Bike Ride proceeds benefit the

American Red Cross and a portion of the proceeds are used by the Reston Bicycle Club to purchase bicycles for the disadvantaged children.

Weather: The bike event will be held rain or shine. [See Washington DC Area Radar Loop](#). Safety of the operators and their equipment must be respected and inclement weather can restrict or curtail LARG participation.

- - - - - Friday Night Net at 8 Pm EDL, 145.310- - - -

Please read this op plan and let me know if you have questions on Friday net.

Concept Of Operation:

1. Radios and antennas equipment will be set up at the sites starting at about 6:00 A.M., Sunday, August 27, 2006. Operational test conducted following installation of all equipment. The test will take place at 7 A.M.
2. Event Registration begins at 6:30 A.M. Riders can start riding between 6:30 and 10:00 A.M. Century riders must start by 8:30 A.M. and all others by 10:00 A.M.
3. Traffic over the nets is expected to be administrative supply requests, health and safety messages.

Schedule:

LARG Info Net	8:00 PM.	Friday August 25, 2006 on the N4FSC DARG Repeater (145.31).
Site Installations	6:00 A.M. - 7:00 A.M.	Sunday, August 27, 2006
Site Operations	7:00 A.M. - 6:00 P.M.	Sunday, August 27, 2006
ARC Post Op Debrief	TBD	TBD

ARC Contacts:

Traci Winfree, 703- 433- 2488, <mailto:skwithers@aol.com> Cell phone number is 571- 237- 6069.

Loudoun Amateur Radio Group Contacts:

Tom Dawson, WB3AKD wb3akd@arrl.net and Gary Quinn, NC4S nc4s@arrl.net

Locations: The following locations, vehicles and support require operators.

Reston Town Center and Relay Site - Start- Finish

Ashburn Fire Station - Rest Stop

Hamilton Park - Rest Stop

Waterford Elementary School - Rest Stop

Hillsboro Elementary School - Rest Stop

ARC Vehicle #1

SAG Vehicle #1

~~SAG Vehicle #2~~

SAG Vehicle #3

SAG Vehicle #4

SAG Vehicle #5

BIKE #1

BIKE #2

BIKE #3

Mobile Rover #1

Mobile Rover #2

Summary Of Operational Personnel:

Net control; Station captain, Gary, NC4S, 703- 324- 5919

Net control operators;

Dave, KE4S, also APRS operations

Tom, NA4MA

Bill, WF1L

The Red Cross Net will also be at this location with the same operators.

Ashburn; Station captain, Bill, K8SYH, 703- 430- 9136

Operators;

Aaron, WA1TDQ

Grant, KB3EMT

Brian, WC4J

Pam, N4OPN

Hamilton; Station captain, John, W4AU, 540- 338- 4620

Operators;

Charlie, K4LJH

Norm, AI2C

Hillsboro; Station captain, Tom, KF4TNX,

Operators; Ed, WD4KHP

Reston; Station captain, Dennis KF4TJI, 703- 777- 9427

Operators;

Bill, W3EMH

Carol, KF4TJJ

Alex, KG4VXP

Waterford; Station Captain, Paul, N4PD, 703- 771- 9284

Operators;

Chuck, KI4IEO

Tom, WB9RXJ
Don, KC1AT
Loudoun County High School; Station captain, Tina, K8TMJ

Red Cross Sag Vehicles riders;

Note: All SAG riders will provide their own radio, mag-mount antenna, and battery for mobile operation. They will install this system in their assigned vehicle.

SAG1 Steve, WA4LDA, 703- 723- 4712
SAG2 None needed
SAG3 Jeff, KE5APC, 703- 737- 7370
SAG4 Chester, WA9LAZ, 703- 327- 4624
SAG5 Karl, KI4BDS, 540- 338- 2999

LARG Rovers;

Kurt, KI4FWB
Boyd, N5CTI with bike
Tom, WB3AKD floater

Shadow for Jay Greeley; Chris, KT9N, 703- 443- 2635

Bike riders;

BIKE 1 Mark, KI4CTR
BIKE 2 Steve, KS1G
BIKE 3 Boyd, N5CTI

SAG Point Of Contact: The RBC SAG POC is John Shea (H) 703- 264- 0210.

SAG Vehicle Start Points and Start Times:

SAG-1: RTC to Ashburn

8:00 - 12:00 (see half-metric cue sheet)
Driver: Ann West, RBC, 703- 599- 2849
Radio: Steve Miller, WA4LDA, 703- 723- 4712
Meet: Ashburn rest stop LARG radio station
Return riders that can't finish to RTC

SAG-2: Ashburn to RTC

2:30 to ~5:00 (see half-metric cue sheet)
Driver: Arline Brecher, RBC, 703- 606- 4009
Radio: Not required
Return riders that can't finish to RTC

SAG-3: Leesburg/Hamilton/Waterford Loop

8:00 to ~4:00 (see metric cue sheet)
Driver: John Shea, RBC, 703- 501- 8336

Radio: Jeff Slusher, KE5APC, 703- 737- 7370

Meet: Hamilton rest stop

Finish: when last rider gets to the W&OD in Leesburg

Relay riders that can't finish to Ashburn -- call SAG-1 or 2 for pickup.

SAG-4: Hamilton to Hillsboro

8:30 to ~2:00 (see century cue sheet)

Driver: Bernie Cohen, RBC, 703- 626- 7276

Radio: Chester Kmak, WA9LAZ, 703- 327- 4624

Meet: Hamilton rest stop

Finish: When last rider gets to Hillsboro

Relay riders that can't finish to Hamilton rest stop call SAG-3 for pickup.

SAG-5: Hillsboro to Waterford

9:30 to ~3:00 (see century cue sheet)

Driver: Tim Donohue, RBC, 703- 862- 4670

Radio: Karl Hamiton, KI4BDS, 540- 338- 2999

Meet: Waterford rest stop

Finish: When last rider gets to Waterford rest stop

Relay riders that can't finish to Waterford rest stop call SAG-3 for pickup.

Electrical Power: All stations will be powered from 12- volt DC batteries. There is no on site commercial power. If vehicle is used for battery power then care should be taken on its position to avoid exhaust fumes near riders and other volunteers.

Site Support: Operators should provide sun shading if not available at site.

Station Equipment: All Stations should have 2- meter capability for primary communications on 147.480 MHz. A simplex 445.975 to be used as needed as a secondary traffic frequency. APRS will broadcast on 144.39 MHz.

The Reston Town Center Operation, will need to set- up a 440 MHz to 2 meter Cross Band station and utilize 440 MHz HT's from the operation location.

Safety: Care should be taken on position of antennas to eliminate and risk of adverse RF exposure. Watch for tripping hazards on coax runs. Avoid erecting antennas near overhead electrical power lines. Please maintain a safe distance between all antenna hardware and all personnel.

Primary Radio Frequencies:

147.480 MHz primary net frequency

445.925 MHz as a primary at Reston

449.975 MHz as a secondary traffic frequency

The N4FSC repeater frequency of 145.310 MHz will be used as a back up for 147.480

Reston Cross Band Operation: Due to the proximity of tall buildings to the Command Center Location, we will use a cross- band repeater equipment provided by Dennis Boehler, KF4TJI. The ground station at Reston will use a frequency 445.925 MHz to communicate to a mobile rig parked on top of the near by parking garage. The Parking Garage Station will be in a 440 to 2m cross band repeat mode. It will retransmit the Reston ground station signals on a frequency of 147.48 MHz.

Net Control: The Net Control Station - K4LRG will be located at NC4S's home. All stations should have logbooks and keep a record of traffic.

Time: All logs and messages will be kept in local eastern daylight saving time in a 2400 hour format. For example, use 1300 hours for 1:00 PM.

Map: A large printed version will be made available to all Operating Locations and Mobile/Rover Stations prior to start time. Red Cross support personnel will also have route maps.

Radio Interference: This on- the- air activity will be on a noninterference basis. Change operating frequencies to avoid harmful interference.

On Site Refreshments: LARG operators can use the facilities and refreshments provided to the ride participants. It is recommended that you bring your own lunch. Attempts have been made to have two operators at each location to provide breaks. Care should be taken to mark any personal property.

Tactical Callsigns: Tactical Call signs will be used where possible. Suggested tactical call signs

<u>Call:</u>	<u>Location/Vehicle</u>
Ashburn	Ashburn rest stop
Hamilton	Hamilton rest stop
Hillsboro	Hillsboro rest stop
Reston	Start/Finish
Waterford	Waterford rest stop
SAG 1	Red Cross SAG vehicle #1
SAG 2	Red Cross SAG vehicle #2
SAG3	Red Cross SAG vehicle #3
SAG 4	Red Cross SAG vehicle #4
SAG 5	Red Cross SAG vehicle #5

Loudoun	Loudoun County High School
Rover #1	LARG SAG vehicle 1
Rover #2	LARG SAG vehicle 2
EC	Emergency Coordinator (WB3AKD)
Bike #1	KI4CTR- Mark
Bike #2	KS1G- Steve
Bike #3	N5CTI- Boyd
RC #1	KT9N- Chris as shadow for Jay Greeley

The following additional guidance from Steve - WV1X at HQ, ARRL is provided to ensure all stations and operators understand and identify in accordance FCC rules:

"The emergency net control station would assign tactical call signs. These call signs usually provide some information about the station location or purpose. Examples: "Net" for net control; "Firebase 1" for the first fire base station established; "Mercy" for Mercy Hospital, etc."

"When on the air and communicating with tactical call signs, just be sure that each tactical call sign station ALSO attaches his/her Amateur Radio call sign at least once every 10 minutes.

Here's a quote from the ARRL Training Book: "The easiest way to be sure you fulfill FCC station identification requirements during a net is to give your FCC call sign as you complete each exchange. Most exchanges will be far shorter than ten minutes. This serves two important functions:

- 1) It tells the NCS that you consider the exchange complete (and saves time and extra words).
- 2) It fulfills all FCC identification requirements."

Loudoun Amateur Radio Group Contacts:

Tom Dawson, WB3AKD wb3akd@arrl.net and Gary Quinn, NC4S nc4s@arrl.net

Additions and Changes: Additions and changes should be brought to the attention of

Gary Quinn, NC4S (nc4s@arrl.net) or Tom Dawson, WB3AKD (wb3akd@arrl.net)

Loudoun County ARES - Loudoun Amateur Radio Group Liaison:

Tom Dawson, WB3AKD (wb3akd@arrl.net)

Bill Frisbie, W3EMH (w3emh@arrl.net)

Gary Quinn NC4S (nc4s@juno.com)

LARG Internet Site: <http://www.k4lrg.org/>

Loudoun County Virginia ARES Internet Reflector Site:

http://groups.yahoo.com/group/ares_loudoun_va/

LARG Internet Reflector Site: http://groups.yahoo.com/group/l_a_r_g