



ARRL The national association for
AMATEUR RADIO®

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2015 **ARRL FIELD DAY**

HAM RADIO)))

PART FIELD DAY 2015



GEORGE, K1IG

Field Day 2015 Goals

- * Work as many stations as possible on designated amateur bands and in doing so to learn to operate in abnormal situations in less than optimal conditions.
- * Develop skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of Amateur Radio.
- * Experience Contesting, HF, VHF, Antenna Deployment, SSB, Digital, CW, Satellite, Message Handling, Emergency Preparedness ... *All facets of Amateur Radio*

More Than A Contest

Schedule

June 26: Antenna Raising - 1430 - 1900

June 27

- * Station Set-up: 0830 - 1130
- * Station Check Out: 1130 - 1200
- * Lunch: 1200 - 1230
- * Tool Box Talks: 1230 - 1400
- * ON-THE-AIR: 1400 - June 29 1400
- * Dinner: 1800

June 28

- * Lunch: 1200 - 1300
- * Tear Down: 1400 to ~1600
- * Unpack Gear at Home: 1700 - 1800
- * Sleep: 1900

Antenna Team



Field Day Site

Antennas

CW & Digital Station

- Tri-Band 2 El Wire Beam
- 40M 2 El Wire Beam
- G5RV
- Receiving Loop (Diversity)

VHF Station

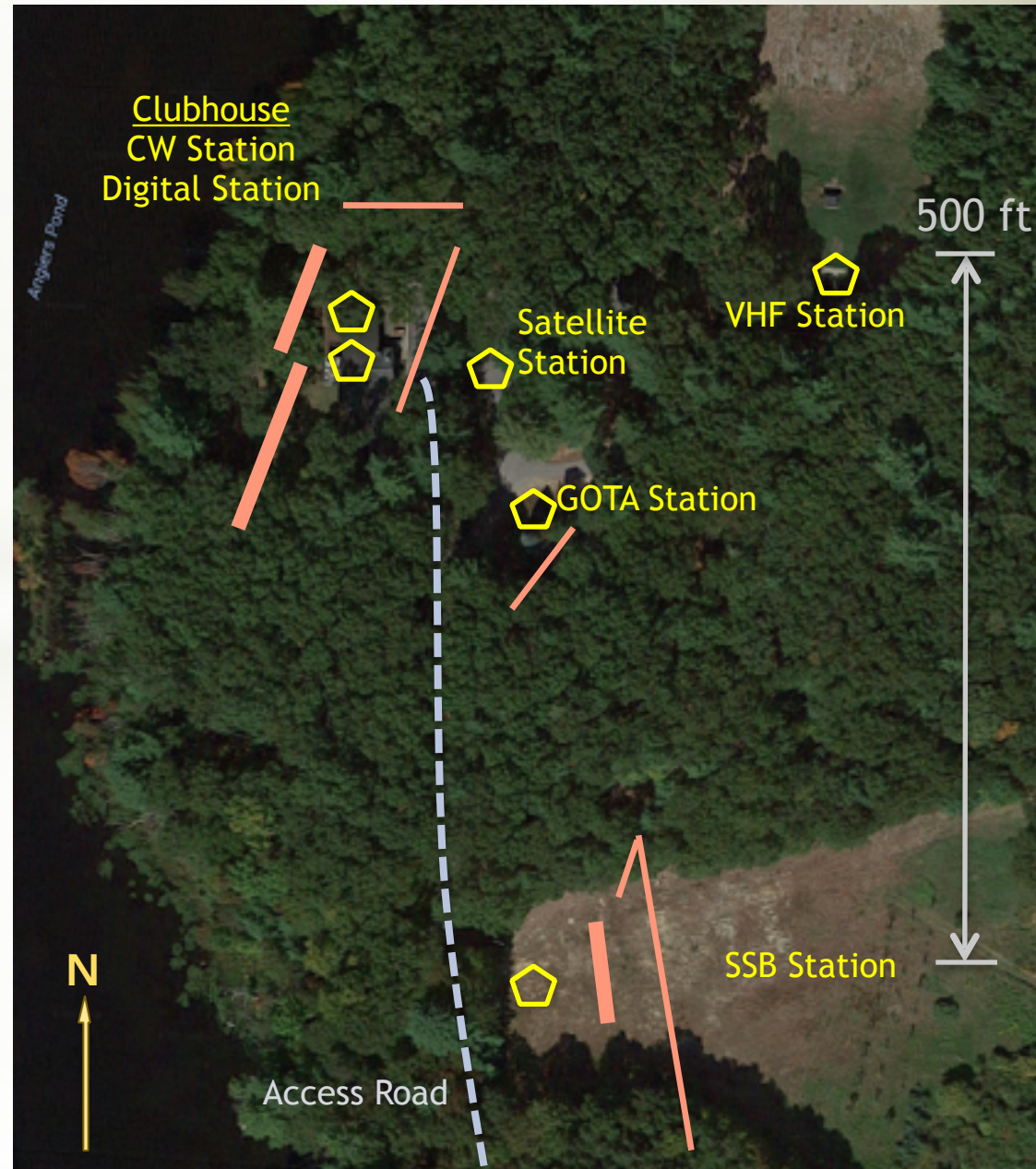
- 6 & 2M Yagis

GOTA Station

- Vertical- QRN issues
- G5RV

SSB Station

- 160M G5RV
- Tri-Band 2 El Wire Beam



2015 Highlights

*Rain - 1.2" starting Saturday evening



*Solar storms

*6 meter openings

2015 Highlights

- *Media coverage
- *Official visitors
 - Concord Fire Chief
 - Acton Police Officer
 - Billerica EMA
- *GOTA station
 - Vertical antenna problems
 - Eight operators
- *CW Station - Diversity reception
- *Three flavors of lasagna! 24-hour coffee!



2015 Results

Year	Score	Cat	QSOs	Pwr	GOTA Call	Part.
2015	3,062	3A	914	2	KB1OIQ	50
2014	6,212	3A	1,670	2		40
2013	7,355	3AB	722	5		40
2012	6,345	3AB	587	5		50
2011	2,674	3D	618	2		40

What Worked Well

- *Antenna setup — 4.5 hours
- *Rig setup — All but GOTA ready at start; GOTA needed new antenna (quickly rigged)
- *Food — Quantity and variety
- *Tool Box Talk — Informative and relevant
- *GOTA — Very popular
- *Safety — No mishaps; wires and guys well marked
- *Visitors — Many prospective hams and general public
- *Official visitors & media coverage
- *Teardown and cleanup

Special Thanks To...

- *Finance: Alan, W1AHM
- *Food: Charlie, W1ADL, Rick, W1RAG, Lela, KC1ACV, Rich, AB1HD
- *Generators & Power Distribution: Dale, KB1ZKD
- *Safety: Steve, N1BDA
- *Signs: Alan, W1AHM
- *PR: Lela, KC1ACV
- *Score Compilation & Submission: Andy, KB1OIQ
- *Sign-In: Alan, W1AHM
- *Toolbox Talk: Contesting: Bob, W1IS, Alan, W1CCE;

And To...

- *SSB Station Lead: Mark, K1MGY
- *CW Station Lead: Bob, W1IS
- *Digital Station Lead: Steve, WA1KBE
- *VHF Rig and Antennas: Allison, KB1GMX
- *Satellite Station Lead: Bob, KB1SWZ
- *Fox Hunt: Bob, KB1SWZ; John, KB1MGI, Andy, KB1OIQ
- *Traffic/Message Origination: Richard, N1HY, Steve, N1BDA
- *GOTA Coaches: Andy, KB1OIQ, Steve, N1BDA

Bonus Points

- *100% Emergency Power
- *Media Publicity
- *Information Booth
- *Formal Message to ARRL SM/SEC
- *W1AW Field Day Message
- *Formal Messages Handled
- *Site Visit By Invited Served Agency Official
- *Youth Participation
- *Educational Activity
- *Web Submittal Of Results

Considerations for Next FD

- *Generator outages
- *Visitor reception
- *Station locations & shelters
- *Antenna optimization
- *Inter-station QRM
- *Operator signup & support
- *Headphones & speakers
- *Earlier EMA involvement



1000 ft