

Operation ON-TARGET!

Radio Plan

DATE: September 1, 2008
TO: All Ham Radio Operators supporting the 2008 Operation On-Target.
FROM: Gary Hinton AC7R, Operation On-Target Radio Coordinator
Mike Heaton KD7YIE, Operation On-Target Coordinator
RE: 2008 Ham Operator Communications Plan

Once again thanks to all of you for volunteering your help for the 2008 Operation On-Target Mountaintop mirror signaling experience. Gary Goetz, our long time Net Control will again be helping us this year as the Net Control on Mt. Ord.

Because of a change in the Greens Peak repeater, and the linking mechanism, the Mt. Ord repeater is now linked from Greens Peak to Flagstaff to Mt. Ord to Pinal, giving us coverage to the north, east and south.

We will also have a Control Operator for the Phoenix Metro area and the West side, on White Tanks. He is Barry Hoffman, K7BLH. All Phoenix area and West side peaks should be checking in with him, not Mt. Ord.

We will use the following 2-meter frequencies:

147.360 + PL 162.2 Mt. Ord	East Side Hailing Frequency – Tonto Basin
147.140 + PL 162.2 Mt. Elden	Flagstaff Area
147.200 + PL 162.2 Pinal	Southeast Side Hailing Frequency
147.380 + PL 79.7 White Tanks	West Side and Phoenix Metro Area Hailing Frequency
146.680 – PL 162.2 Smith Peak	West Side Hailing Frequency - backup
146.720 - PL 162.2 Greens Peak	Northeast Side Hailing Frequency

If you have an FRS radio, bring it and tune to Channel 7 with a CODE 0. After you establish communications on the FRS Radio, then switch to a different channel with a PL Code.

The operational time is from 9:00 a.m. to 12:00 noon on Saturday, September 20, 2008. We would like to have a quick check-in on Friday the 19th at 8:45 PM on the Mt. Ord linked repeaters to check out our equipment. We realize not everyone will be able to check in at this time, as some units will be camping overnight in places that may not be able to hit the repeater. Please try from wherever you are so we can work out procedures. On Saturday morning we would like to establish communications with everyone on the repeater frequencies starting around 8:30 a.m. to allow time to work out any glitches that may arise and to make sure our radios are operable. Try checking in on the FRS Radios also to see if they will work.

Mt. Ord, being in the middle of the Tonto Basin, is always a very busy mountaintop. It is recommended that at least 2 radio operators be at this site to handle all of the communications and flash coordination. One could handle the net freq while the other is on simplex.

The description that follows is for the Net Control operation on the Mt. Ord repeater:

As we have done in years past, for this activity we will begin on a common "hailing" frequency to establish

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our initial contacts with the other mountaintop ham operators and their associated Varsity Teams. The Net control operator will monitor the repeater frequency to control the net. His responsibility will be to coordinate the contacts, try to keep order to our communication, and relay any information between stations that may not be in range to make contact directly.

Frequency	Type
146.48	Simplex
146.52	Simplex
146.54	Simplex
146.56	Simplex
147.46	Simplex
147.52	Simplex
147.54	Simplex
147.56	Simplex
Note: 146.52 is the National Simplex Calling Frequency	

Once you have established radio contact with another operator on the repeater and want to try to establish mirror contact, you will be directed to one of the following simplex frequencies shown in the following table.

After you have confirmed the mirror flash with the other mountain peak, then QSY back to the repeater frequency for your next radio contact. Then repeat the process again.

Once again this year we are trying to improve our way of contacting the peaks that are usually very busy. It is a method of regionalizing the contacts with those that they should be able to contact. The plan is described below "**Regional Radio Op Plan**". Please give it a try. We are always interested in making it better. If you have an idea on how we can to this, please let us know!!

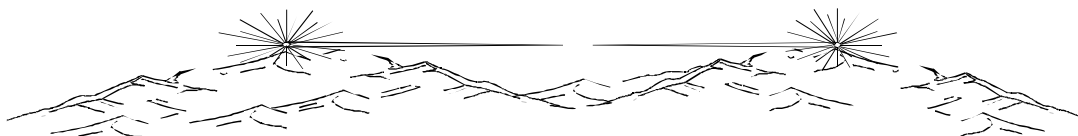
NOTES AND TIPS

1. As you can see from the list, there are several teams that do not have a ham radio operator. If you know of anyone that would be willing to participate, please call or email Mike Heaton or Gary Hinton. Their contact information is below.
2. Every team has a different skill level in the use of the mirrors. So, the radio coordination will be extremely important, especially for some of the longer distances. Your help is appreciated to help each team make as many successful contacts as possible.
3. *Don't forget that the repeater and simplex frequencies are open to the ham community and are NOT dedicated to our exclusive use. Please be kind and considerate to other traffic, especially on the repeaters.*
4. Involve the boys by letting them handle the radio as well. You are the control operator, but you can let them do the speaking. There may be a future ham radio operator in the team.
5. This is an annual event. We really appreciate your participation and hope that you will be available next year. This is a great activity and is getting bigger and better every year, thanks to you.

Regional Radio Op Plan for Operation On Target!

The Teams participating in On Target will use a suggested repeater for each region. The Teams surrounding a regional repeater would belong to that region and focus their efforts on Teams in their region. Teams around the White Mountains area would be in the East region and use the Greens Peak Repeater (146.720 - PL 162.2). The Central region would be handled by Mt. Ord (147.360 + PL 162.2). The Southeast region could be handled by a repeater on Pinal Peak (147.200 + PL 162.2). The Phoenix Metro Area and the West region would be handled by a repeater on White Tanks (147.380 + PL 79.7) with Smith Peak (146.68 - PL 162.2) as a backup. If we get a lot of Teams way down south, a South region could be established around Mt. Lemmon (146.66 - PL 110.9) or (147.22 + PL 110.9).

Teams should focus on the Teams in their region but could also try to contact those that they may be able to see outside of their region. These 'others' would require them to contact those peaks on their region repeater.



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This may sound like more coordination, but if we focus on the list for each region, each team could concentrate on this list of peaks and not worry about others until those within their region have all been contacted.

Mike Heaton KD7YIE OT Coordinator 480-969-5318 mikeheaton@cox.net	Gary Hinton AC7R OT Radio Coordinator 480-833-7173 ghinton1@cox.net	Gary Goetz K7WZX OT Network Control on Mt Ord 480-279-1934 k7wzx@juno.com	Barry Hoffman K7BLH OT Network Control on White Tanks 602- 689-1089 k7blh@cox.net
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**Central Region: Mount Ord
(147.360 + PL 162.2).**

Mount Ord
 Mount Peeley
 Myrtle Point
 Woods Canyon Lake Road
 Promontory Point
 Al Fulton Point
 Agassiz Peak
 Aztec Peak
 Baker Butte
 Browns Peak (Four Peaks)
 Burnt Point
 Colcord Mountain
 Deer Springs Lookout Tower
 Diamond Point
 Flat Iron
 Fortuna Peak
 Fremont Peak
 Gentry Point Lookout Tower
 Goldmine Mountain
 Hi View Point
 Iron Mountain
 Mazatzal Peak
 Mcfadden Peak
 Milk Ranch Point
 Mound Mountain
 Nelson Lake Point
 Oxbow Hill
 Pass Mountain
 Pine Mountain
 Squaw Peak (Near Young)

**Northwest Region: Hualapai
Mountain (146.760 - PL 131.8).**

Black Rock Mountain
 Hualapai Peak
 Elden Mountain Lookout Tower
 Humphreys Peak
 Mount Trumbull
 Seegmiller Mountain
 Hayden Peak

**Western Region: White Tanks
(147.380 + PL 79.7)**

Smith Peak (146.680 – PL 162.2)
 Apache Maid Mountain
 Buckeye Mountain
 Harquahala Mountain
 Horsethief Lookout Tower
 Humboldt Mountain
 Milk Ranch Point
 Mingus Mountain
 Smith Peak
 Spruce Mountain
 Towers Mountain
 Union, Mount
 White Tank Mountains
 Squaw Peak (Camp Verde)

**East Region: Greens Peak
(146.720 - PL 162.2)**

Greens Peak
 Mt. Baldy
 Signal Peak (Globe)
 Aztec Pk.
 Mt. Ord
 Mt. Graham (Mt. Baldy only)
 Gentry Lookout
 Baldy Peak
 Bryce Mountain
 Castle Dome Peak
 Cerro Montoso
 Escudilla Lookout
 Hyde Mountain
 Hutch Mountain
 Mesa Redondo
 Mt. Ord (White Mtns)
 Polaris Mountain
 Porter Mountain (Show Low)
 Reno Lookout
 Rose Peak

**Southeast Region: Pinal Peak
(147.200 + PL 162.2).**

Blue Jay Ridge
 Webb Peak
 Webb Peak Lookout
 Mt. Baldy
 Signal Peak (Globe)
 Mt. Lemmon
 Black Mountain
 Cochise Stronghold
 Guthrie Peak
 Heliograph Peak
 Mount. Lemmon
 Picacho Peak
 Pinal Peak
 Radio Peak
 Table Top Mountains
 Tumamoc Hill

**Phoenix Metro area: White Tanks
(147.380 + PL 79.7)**

Flat Iron
 Usery Pass
 South Mountain
 Camelback Mountain
 Squaw Peak (Piestewa Peak)
 Shaw Butte
 Silly Mountain
 Thompson Peak
 "A" Mountain (Tempe)
 North Mountain
 Red Mountain
 Mummy Mountain
 Estrella

