



ON THE AIR

March 15, 2011



What is Emergency Communications?

By Ron Hashiro

Simply put, emergency communications is communications used when normal communications such as the telephone and various radio services are disabled or overwhelmed. It has been shown countless number of times that timely and reliable communications is the most important need during emergencies and disasters to avoid loss of life, property, and to speed up relief and recovery.

It can appear in many forms. Amateur radio, cellular and wireless telephones, CB (citizens band), FRS (Family Radio Service), digital pagers, the VHF marine band and satellite phones are some of the possibilities.

Why do we need Emergency Communications?

Each individual, family and organization is responsible for its own alternative means of communications when normal communications means are unavailable. The communications may be within an organization or a family, and it may be between organizations and families -- for example.

Shouldn't the phone company be able to operate during emergencies?

Communications between agencies and the general public are handled by common carriers such as phone, paging and Internet companies. Phone companies invest large amounts of monies into equipment that provide reliable phone service, including durable and secure buildings, highly reliable phone switches, diesel generators, large banks of batteries. Cellular, paging and Internet companies in turn rely on communications services provided by the phone companies.

These phone systems (a) are sized for business reasons for the peaks in regular daily usage, not peaks in emergency usage, (b) usually rely on copper or fiber optic cables which when exposed are prone to damage during high winds and storm conditions, (c) are usually not portable and reliable enough to respond to the demands of the emergency. These are the most common

reasons why normal public communication needs are not met during emergencies.

Why is amateur radio so successful for Emergency Communications when other systems fail?

- Since amateur radio equipment does not rely on wires and communications facilities provided by common carriers and phone companies, it is immune to disruptions with the telephone system.

- Regardless of the specific brand and model of radio equipment, amateurs that use the same frequency band and mode can communicate with each other. This is the reverse of private companies and government, where communications is limited to each entity by their FCC license and equipment. Amateur radio operators are allowed to run higher power than other personal radio services such as Citizen Band (CB) and the Family Radio Service (FRS) and have more flexibility with the equipment.

- Amateur radio enthusiasts use a wide range of radio bands, each one with its particular strength in overcoming the barriers to radio communications. VHF (Very High Frequency-144 MHz) and UHF (Ultra High Frequency-440 MHz) radios are small and portable with lots of channels to handle a multitude of short-ranged communications. HF (High Frequency) can propagate over mountains and valleys and between the islands to provide coverage beyond VHF and UHF.

- Amateur radio operators use their equipment regularly which verifies that it's maintained and operational. Some of the equipment are hand-held portables or mobiles installed in vehicles. The amateur radio operators are familiar with the operation and capabilities of their equipment.

- Amateur radio operators are distributed throughout the community, near schools, churches and park facilities which are often used for evacuation shelters. Many companies have amateur radio operators within their employment.



SOME ITEMS FROM THE BOARD

Starting this April 2 and again on April 23 which is the first and third Wednesday we will be conducting an engineering and testing net and every month thereafter. This gives you a chance to test new equipment, locations and become familiar with your equipment. The net will be at 10:00 AM on the A.R.E.S. Inc. Repeat (146.880 -88.5) which is channel one. This net will get the opportunity for hams at our served agencies to test and become familiar with equipment while many of

our served agencies have hams they are unable to access it during off hours which means they cannot join us for our evening net. This new net will give them the opportunity to join us in a net and become familiar with their equipment and protocols.

H. Kelly Weldon
KD7IMZ
801-671-1301



ICS COURSES

Salt Lake County Unified Fire and FEMA have asked us to take NIMS courses IS-100, IS-200, IS-700, and IS-800. These are available on line at: <http://www.fema.gov/emergency/nims/NIMSTrainingCourses.shtm#item1>. Since most emergency services are going to the NIMS system, this will help us understand the emergency management structure around us. Each course builds upon the last one and gets progressively harder. When we have completed the courses we will have the background needed to be more effective at serving our different agencies. When you have completed each course, download the certificate and email a copy to JJ, ke7ghk@gmail.com, or give him a copy at the next in-person meeting.





TAYLORSVILLE URBAN IDITAROD

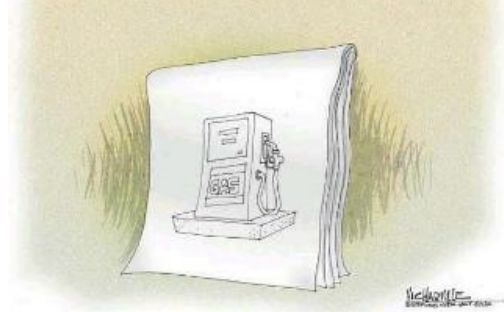
Taylorsville asked us to help them with the Taylorsville Urban Iditarod on March 5. We were deployed to one of five challenge locations in the Midvalley Family Center and around the area. Net control, was AD7LO. It was a fun Saturday morning for everyone: contestants, volunteers, and spectators

alike. March 5 is the same day as the start of the nine-day Alaskan Iditarod sled dog race. There were 11 teams of 5 people on each team (1 driver and 4 dogs). They raced around the course with shopping cart sleds and at each location performed a special task. Thanks to all that helped.



GAS HUMOR

POLICE ARTIST SKETCH OF ROBBERY SUSPECT





THE CORKRILL RECORD SERVICE Bennett



STAHLE © THE CORKRILL RECORD SERVICE 2002



NGA 05.05



PHIL WIT



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Salt Lake County

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In-Person Meeting:

3rd Wednesday of every
month
Formal net every Wed.
8pm to 8:30pm
except the 3rd Wed.

A.R.E.S. Frequencies:

146.880*(88.5 PL)
449.900*(100.0 PL)
146.700
147.54*(simplex)
447.250*(100 PL)
448.450*(100 PL)
448.000



March

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	<u>2</u> A.R.E.S. NET	3	4	5
6	7	8	<u>9</u> A.R.E.S. NET	10	11	12
13	14	15	<u>16</u> A.R.E.S. IN-PERSON	<u>17</u> ST PATRICK'S DAY	18	<u>19</u> RACES HF NET
20	21	22	<u>23</u> A.R.E.S. NET	24	25	<u>26</u> SCOUTING FOR FOOD
27	28	<u>29</u> HAM TEST	<u>30</u> A.R.E.S. NET	31		

April

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	<u>6</u> A.R.E.S. NET	7	8	9
10	11	12	<u>13</u> A.R.E.S. NET	14	15	16 SALT LAKE MARATHON
17	18	19	<u>20</u> A.R.E.S. IN-PERSON	<u>21</u> RACES VHF NET	22	23
<u>24</u> EASTER	25	<u>26</u> HAM TEST	<u>27</u> A.R.E.S. NET	28	29	30 Millcreek Exhibition





UPCOMING EVENTS

26 March 2011 – Scouting For Food – Contact Eugene McWherter, N7OVT, n7ovt@arrl.net.

15 Apr 2011 – ICS Courses must be completed – JJ Wallace kc7ghk, kc7ghk@gmail.com

16 Apr 2011 – Salt Lake Marathon – Ed Sim

30 Apr 2011 – Millcreek Exhibition – Richard Jorgenson

11 Jun 2011 – ADA Tour De Cure – Mickey Applebaum



This is your newsletter. In order to make this a better publication, when you take pictures at an event, please send me a copy. When you sponsor an event, write a little blurb to put into this newsletter. After the event, please write about the event. If you have any ideas, let me know. If you come across an article that you think would benefit the members of ARES, send it too me. If something special happens to an ARES member, please let us know. This information will help us get to know our members better. Thanks, Carol kc7llw@arrl.net

“CANDY STORE”
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7650 South Redwood Road Ste D
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Phone: 801-567-9942
Fax: 801-566-7553
[HTTP://www.commproducts.net](http://www.commproducts.net)

New Store Hours:
Sun/Mon Closed
Tues thru Fri 11am-5pm
Sat 10am-2pm
Locally owned and operated by
Bob WoodW7OAD