



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

SEPTEMBER 2000

<http://www.w7ivm.org>

Presidents Message

By Tyler Griffiths
N7UWX

Well summer is about over and it's time to get working on our club's big activities, LOTOJA and The Top of Utah Marathon! They both promise to be lots of fun and work.

LOTOJA is traditionally the clubs big event but with the Top of Utah Marathon doubling its participants it will be a huge task for the club too.

LOTOJA, coming up on September 16th, is a bicycle race that starts in Logan and ends up, 203 miles later and the same day, in Jackson Hole Wyoming. BARC furnishes radio operators for emergency communications in case of an accident in the neutral support vehicles and the feed zones and major corners. That is 12 support vehicles, 8 feed zones, 10 or more Conner marshals and the start and finish net controls!! That's a lot of people!

The Top of Utah Marathon, on September 23rd, is a foot race starting at Hardware Ranch. It winds its way down the Black Smith Fork Canyon through Nibly, Millville, Providence, River Heights and finally finishes up at Merlin Olsen Park in Logan. A full Marathon! BARC supplies all the emergency communications for this race also. The radio operators will be located at all the rest areas in the supply vans and the start and finish line. So that will add up to lots of operators also!

So if you are interested in participating in any of these events, for LOTOJA you can contact Kevin Reeve N7RXE or Cheryl Thurgood N7YUE and The Top of Utah you can Contact Bret Buttler N7UXA or Mark Hebert AA1HR.

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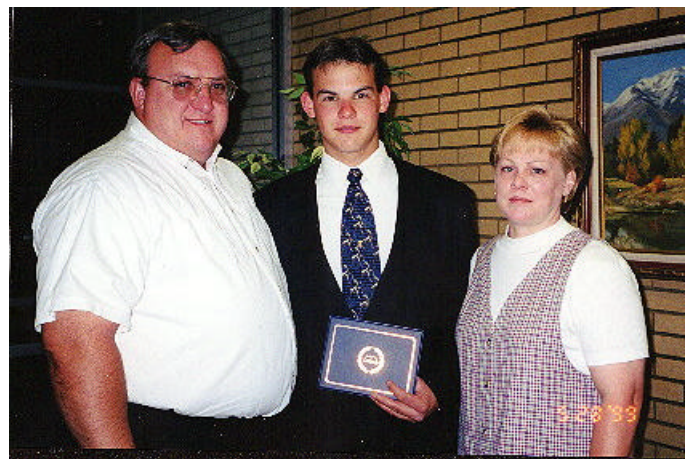
Ham Profile

by Boyd Humpherys W7MOY

In the shadows of the Wellsvilles reside quite a few of our group who see the sun each day long before we do. Such is the case with Dave Leikis, KG7EW who hails from Mendon. Dave has sported an extra license for about 9 years and has been involved by authorization from the Friendly Communications co-op for 13 years or so. He uses a couple of Yaesu HTs in dual band endeavors, and a Henry Radio Tempo 1 HF rig. He cautioned us not to forget his 2.5 watt QRP rig as well. One can blast em out of the depths of Africa with a gallon and a half plus two stacked rhombics, but it takes a little expertise to rack up a few contacts with some bare bones. Try it guys, you'll like it. Dave has gotten involved with field day activities both here and in Utah County where he and fellow hams working for Evans & Southerland, started a company station, with a TS-440, diamond antennas, and other company sponsored good stuff. They grew a sizable club membership, acted as VEs and brought a number of new enthusiasts into the fold with their classes and exams.

If you want to examine a professional tower and antenna installation, take a few minutes and let him give you the scoop on his 54' Tri-ex crank up, self supporting tower with a Moseley Pro -67B 6 bander, 80 meter dipole, 2 meter,

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It performs all communications using a one-to-many protocol, so that everyone is updated immediately.

It uses generic digipeating, with well-known callsign aliases, so that prior knowledge of network topology is not required.

It supports intelligent digipeating, with callsign substitution to reduce network flooding.

Using AX.25 UI-frames, it supports two-way messaging and distribution of bulletins and announcements, leading to fast dissemination of text information.

It supports communications with Kenwood TH-D7 and TM-D700 radios, which have built-in TNC and APRS firmware.

Conventional packet radio is really only useful for passing bulk message traffic from point to point, and has traditionally been difficult to apply to real-time events where information has a very short lifetime. APRS turns packet radio into a real-time tactical communications and display system for emergencies and public service applications.

APRS provides universal connectivity to all stations, but avoids the complexity, time delays and limitations of a connected network. It permits any number of stations to exchange data just like voice users would on a voice net. Any station that has information to contribute simply sends it, and all stations receive it and log it.

APRS recognizes that one of the greatest real-time needs at any special event or emergency is the tracking of key assets. Where is the marathon leader? Where are the emergency vehicles? What's the weather at various points in the country? Where are the power lines down? Where is the head of the parade? Where is the mobile ATV camera? Where is the storm?

To address these questions, APRS provides a fully featured automatic vehicle location and status reporting system. It can be used over any two-way radio system including amateur radio, marine band, and cellular phone. There is even an international live APRS tracking network on the Internet.

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Upcoming Events

- 09 Sept 00 8:00 A.M.
Radio Test given at Campbell Scientific
- 14 Sept 00 6:00 P.M.
BARC September Club Mtg. at Merlin Olsen Park
- 16 Sept 00 All Day
LoToJa - Logan To Jackson Hole Bicycle Race
- 23 Sept 00 All Day
Top of Utah Marathon - foot race from Hardware Ranch in Blacksmith Fork Canyon to Merlin Olson Park in Logan.
- 12 Oct 00 7:30 P.M.
BARC October Club Mtg. at Hyde Park City offices

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and scanner antennas stacked on top. More to go up the pole as well. Hope he kept some notes, it's impressive. He mentioned an occasional 100 MPH gale off the mountain in the past with no political convention in sight, that's scary. That's when you crank things down to safe levels. All the antennas come down in unison, quite unique.

Dave was born in Ogden, attended Clearfield schools and graduated from Clearfield High. He filled a six year hitch in Uncle Sam's Navy as a reactor operator in the submarine fleet, serving on the Nathaniel Green and the Bill Fish, based at New London on the East Coast. He tells of some interesting duty on patrols to Scotland, US Virgin Islands, Gibraltar, and tying up behind some Russian Cruisers and Destroyers in Italy. You can imagine how many binoculars and all the sonar looking at them to find out what they could at close range.

It was there in Massachusetts where his version of undersea tales must have impressed some of the young gals, one in particular by the name of Debbie Fisher. She must have felt the country was in good hands, he mustered out of the service in 76 with an ET-1 SS rating, they were married in DC, then ultimately off to Utah and attendance at the Cougar lair in Provo.

After an appropriate session of blood, sweat, and tears, an EE degree came in 87. Evans & Southerland then used his talents for the next five years, then on his own with a PC board endeavor for a year or so. Ultimately he went to work for Thiokol as a programmer, came to Cache Valley and now daily climbs the hill betwixt here and there.

Debbie was born in Northampton, MASS. They have five children, three boys and two girls, all of which still sit around the breakfast table and compete for the breakfast wieners. They have a lovely home, thanks to the homemaking skills of Debbie, who delights in needle work, flower drying and the multitude of other things around the house. When asked what she thought of hubby's interest in Ham Radio, she shrugged and intimated it probably was part of the bundle. That's the spirit Debbie, she nearly got the ticket a while back, perhaps we may hear her on the air shortly.

(hint, hint) I understand she is waiting for Dave to work out all the bugs and pacify the neighbors.

Since Dave fired up the new antenna on the crank up mast, a few strange things have happened at the Leikis homestead. One of the touch plate lamps in the kids bedrooms turns on and off mysteriously. It was traced to Dave's QSO's on the air. One or two telephones in the house occasionally has strange third party conversations to amuse the callers. Incidentally no charges have been filed as of this date. Welcome to Bridgerland and the gang Dave & Debbie.

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Answers for questions on page 4: 1-C, 2-D, 3-C, 4-B, 5-A

Questions for the general class license.

1.(G1A01) What are the frequency limits for General class operators in the 160-meter band (ITU Region 2)?

- A. 1800 - 1900-kHz
- B. 1900 - 2000-kHz
- C. 1800 - 2000-kHz
- D. 1825 - 2000-kHz

2.(G1B05) Under what limited circumstances may music be transmitted by an amateur station?

- A. When it produces no dissonances or spurious emissions
- B. When it is used to jam an illegal transmission
- C. When it is transmitted on frequencies above 1215 MHz
- D. When it is an incidental part of a space shuttle retransmission

3.(G1D02) What license examinations may you administer if you hold a General class license?

- A. None
- B. General only
- C. Technician and Morse code
- D. Technician, General and Amateur Extra

4.(G2A03) Which sideband is commonly used for 40-meter phone operation?

- A. Upper
- B. Lower
- C. Amplitude companded
- D. Double

5.(G2C10) When FCC declares a temporary state of communication emergency, what must you do?

- A. Abide by the limitations or conditions set forth in the FCC notice
- B. Stay off the air until 30 days after FCC lifts the emergency notice
- C. Only communicate with stations within 2 miles of your location
- D. Nothing; wait until the President declares a formal emergency before taking further action

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