

# 1998 UARC Field Day

# June 27<sup>th</sup> and 28<sup>th</sup>, 1998

Just past Payson Lakes Campground,  
Mt. Nebo Scenic Loop, Payson, Utah



Photo: Maurine Strekenfinger, KC7HOZ

Team work makes Field Day a real pleasure - Dave, NJ7A, gets help from several fellow hams in assembling his 6 M and 2 M beams.

## Feature Article: UARC at the Great Salt Lake Council's Scout-O-Rama

Volume XLII Issue 5, May 1998



# The MICROVOLT

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## Prologue

The Utah Amateur Radio Club was organized under its present name in 1927, although its beginnings may date back as early as 1909. In 1928, it became affiliated with the American Radio Relay League (club #1602) and is a non-profit organization under the laws of Utah. It holds a club station license with the call W7SP, a memorial call for Leonard (Zim) Zimmerman, an amateur radio pioneer in the Salt Lake City Area.

The club meets each month except July and August. The meetings are held on the first Thursday of the month at 7:30 PM in the Exhibition hall located on the Salt Lake County Fairgrounds just south of Murray City Park.

Club membership is open to anyone interested in amateur radio; a current license is not required.. Dues are \$15 per year, including a *Microvolt* subscription. *The Microvolt* and membership cannot be separated. Those living at the same address as a member who has paid \$15 may obtain a membership without a *Microvolt* subscription for \$9. ARRL membership renewals should specify ARRL Club #1602.

Monetary contributions are gladly accepted. Send directly to the Club Treasurer: Chuck Johnson, 1612 W. 4915 S., Taylorsville, UT 84123-4244. For in kind contributions, please contact any board member to make appropriate arrangements.

UARC maintains the following repeaters: 146.62 (-), 146.76(-), and 449.10. The repeaters are administered by the UARC Repeater Committee. Comments and questions may be directed to any Committee member. The Lake Mountain repeater 146.76(-) has Autopatch facilities on both the Orem exchange (covering Santequin to Lehi) and the Salt lake City exchange (covering Draper to Layton). The 449.10 repeater has autopatch facilities into Salt Lake City only. Due to the volume of traffic, only mobiles should use this autopatch. Autopatch use is open to all visitors to our area and to all club members. Non members who wish to use the Autopatch are encouraged to help with the cost of maintaining the equipment by joining the club.

THE MICROVOLT: *The Microvolt* is the official publication of the club. Deadline for submissions to the *Microvolt* is the 10th of each month prior to publication. Submissions by email are preferred

(bbergen@xmission.com), but other means including diskettes and typewritten submissions can be mailed directly to: Bruce Bergen, 3543 Fieldstone Cir., SLC, UT 84121. In order to maintain ease of conversion it is suggested that you contact Bruce at 943-1365, or via e-mail before making electronic submissions.. All submissions are welcome but what is printed and editing are the responsibility of the UARC board. Reprints are allowed with proper credits to *The Microvolt*, UARC, and authors. □

## UARC 1998 Board - Partial Listing

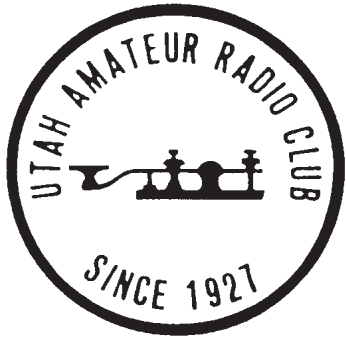
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Vice Pres: Gordon Smith, K7HFV	582-2438
Secretary: Russell Smith, KC7ZDZ	463-2568
Treasurer: Chuck Johnson, WA7JOS	268-0153
Microvolt Editor: Bruce Bergen, KI7OM	943-1365
Book "Lady": Fred DeSmet, KI7KM	485-9245

Note: Detailed listing of board members address's, phone numbers, and email address's will not appear in every issue. For current information either refer to the January '98 issue or to the club's web-page: [www.xmission.com/~uarc](http://www.xmission.com/~uarc) □

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For late breaking news listen to the UARC Information Net Sundays at 21:00 on 146.62 or set your browser to:  
[www.xmission.com/~uarc/announce.html](http://www.xmission.com/~uarc/announce.html) □



# The Microvolt

The Official Publication of the Utah Amateur Radio Club, Salt lake City, Utah

Volume XLII, Issue 6 June 1998



Photo: Bruce Bergen, K7OM

## QST From the Prez

Another month has passed. Can you believe it is already time for Field Day? I, for one, can hardly wait. There is still time to call Joel Neal, KC7UBP to volunteer to help out with something. Since we are almost into summer. It must be time to take to the great outdoors. A great activity is to take a QRP radio along with a wire antenna and a sling shot and operate from that secluded campsite. Imagine the fun you will have being able to use CW (perish the thought!) to talk to far away lands. Of course, you could take that study guide so you can upgrade when you get back. Yes, even thought it is summer, there will be a test session in June and August.

This really is a great time of year for Amateur Radio in Utah. All these outdoor activities, without the humidity or the bugs. Well, we may have some extra bugs if I can blame El Nino again. Anyway, I hope you are planning to come out to Field Day on June 27 and 28, and the Steak Fry on July 18. Both promise to be great events.

On a personal note, by the time you read this, I will have returned from the Dayton Hamfest. If events turn out as planned, this should be a great gathering of hams from all around the world. Imagine 30,000 hams in one place. Imagine the lines at the airport metal detectors as all the hams want their equipment hand-checked. With any luck, you can check out the UARC web site for a full report of Dayton 1998 complete with pictures. If anyone is interested, ask me at the June meeting about Dayton.

That is all for this month. As I complete my 5<sup>th</sup> month as President of UARC, I am more confident than ever in the quality and caliber people we have providing the life blood of this club. We continue to get new members. We are taking measures to control expenses and generate more club revenue. We are also helping amateur radio in Utah continue to flourish. All this we owe to you, the members. Remember, talk up UARC and bring a friend to a club meeting.

73,

Tom, NY4I

PS. I understand that our ever-capable *Microvolt* editor is going to post a picture of me to accompany this column. As much as I tried to stop him for your sakes, I think he is intent on doing so. The only way we can stop this obvious abuse of power is to write, fax, or email him begging he remove the picture. Please let him know that he will be responsible for the nightmares of any little children that happen to see such a monstrous picture so close to the front of *The Microvolt*. Of course, if the picture turns out well, then Bruce is a genius as we all suspected. Keep up the good work! □



# 1998 UARC Field Day

**June 27<sup>th</sup> and 28<sup>th</sup>, 1998**

Just past Payson Lakes Campground,  
Mt. Nebo Scenic Loop, Payson, Utah

All amateurs are welcome to attend the annual UARC field day. We will be setting up HF, VHF, and satellite stations to work hams from all over the US. Setup begins at noon on Friday June 26<sup>th</sup>. The operating event starts at Noon on Saturday June 27<sup>th</sup> and goes until Noon on the 28<sup>th</sup>. A BBQ is scheduled for some time on Saturday afternoon. The club will provide the meat, but everyone must bring a pot luck dish to share. For more information, contact Joel Neal, KC7UBP at 352-0322.

So, How to get there? Go south on I-15 (approximately 65 miles from Salt Lake City), get off at the Payson exit (# 254) and go south into town (see map of Payson). Watch for the Mt. Nebo Loop signs (brown scenic loop sign). Turn left at the stop light in the center of town (you are now headed east) then turn right (head south again) by the old school with the odd playground equipment. Keep going up the winding canyon (you'll probably lose the 146.76 and 146.62 repeaters somewhere in here).

Just ½ mile past the turnoff for the improved Forest Service Payson Lakes Campground (right side) will be another turnoff (left side) across the hiway from the Forest Service Guard Station access road.. We will have a sign here to guide you to our meadow (only a couple of hundred yards off the main road). You are welcome to choose your spot, first come first served. We generally “circle the wagons” around the main antenna, operating positions and the generator.

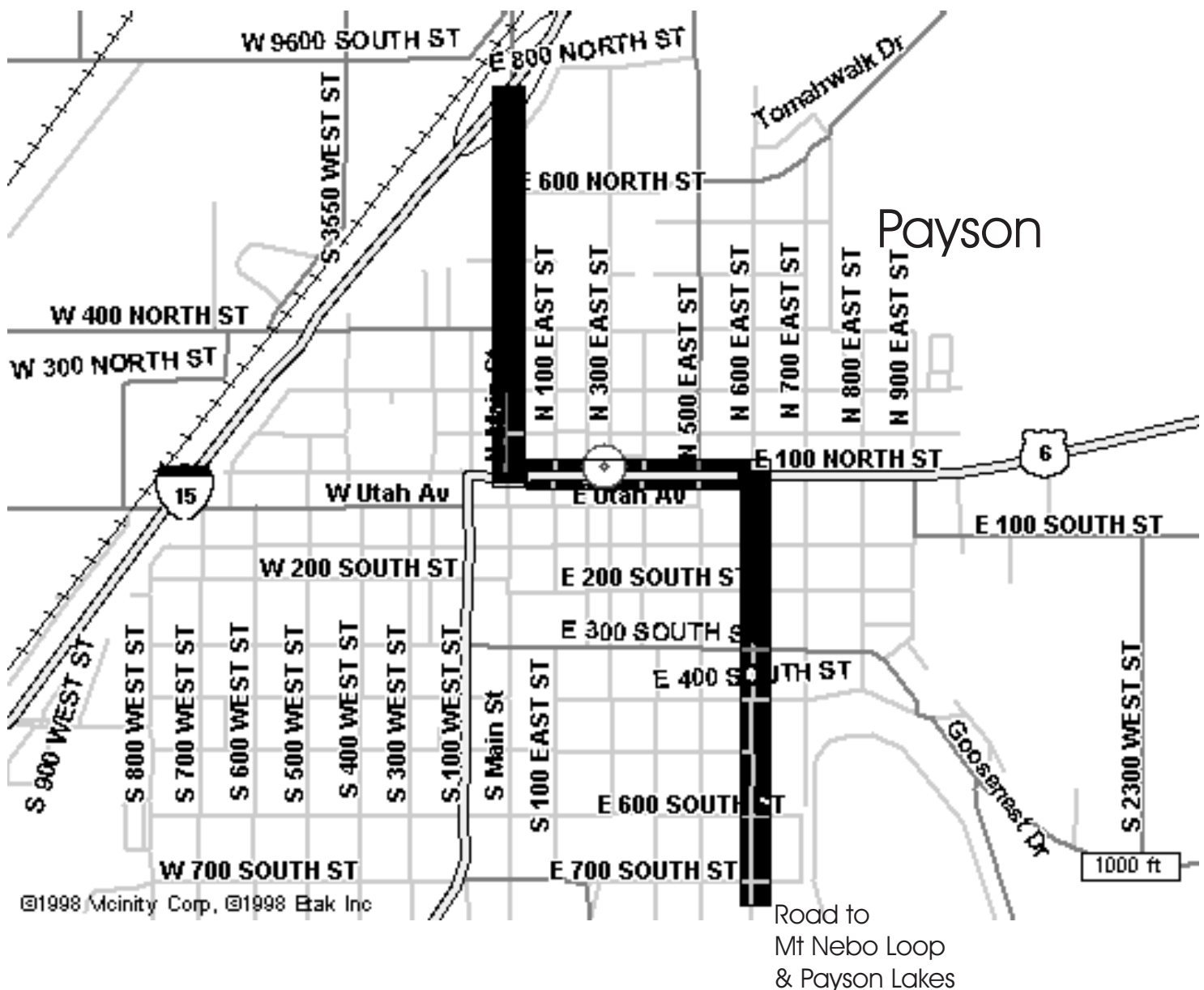




Photo: Maurine Streitenfeger, KC7HOZ

The Club's generator/crank-up tower trailer become the hub for this weekend activity.

Talk-in will be on 146.76 until you get close (up and out of the canyon) and then on 146.54 simplex.

We hope to see you there.

Tom, NY5I □



Photo: Maurine Streitenfeger, KC7HOZ

Beauty in the eyes of the beholder - an impressive antenna farm for the UARC Field Day '97 at Payson Lakes.

## Featured Ham of The Month

This month we are featuring Jim Rudnicki NZ7T an amateur radio operator for 14 years. His father, Austin Rudnicki; K6IA, recently a silent key, had been a ham for 64 years. Jim is originally from Santa Barbara, California. His work with the FAA, (Federal Aviation Administration), as an air traffic controller, brought him to Utah 13 years ago. Jim and his wife Kathy, N7JSH (Technician Plus), have two children Paul, and Amy. Kathy is very active in amateur radio and their oldest son Paul, KB7MFJ, at 18, has his Technician Plus license. In addition they are the host family for a foreign exchange student, Yoko, from Japan.

He is a CW man, but he also loves to experiment with antennas. One of the things he feels strongly about is a desire for people in the hobby to take an interest in upgrading and improving their operating skills. He would like to see more get involved in HF and some of the other aspects of amateur radio and not just staying on 2 meters FM.

Jim is a member of the Davis County Amateur Radio Club and has been their president twice. He is currently the ARRL section manager for Utah elected by the league members in the state, an post he has held for 3 years. As such he is the link between The ARRL headquarters and the League members in Utah. He said he would like people to pay attention to amateur radio issues and study the facts before bringing them to him to take to the ARRL. For future reference you can find his phone number, snail mail address and email address near the front every *QST* magazine, under the heading *Get to Know Your Section Manager*.

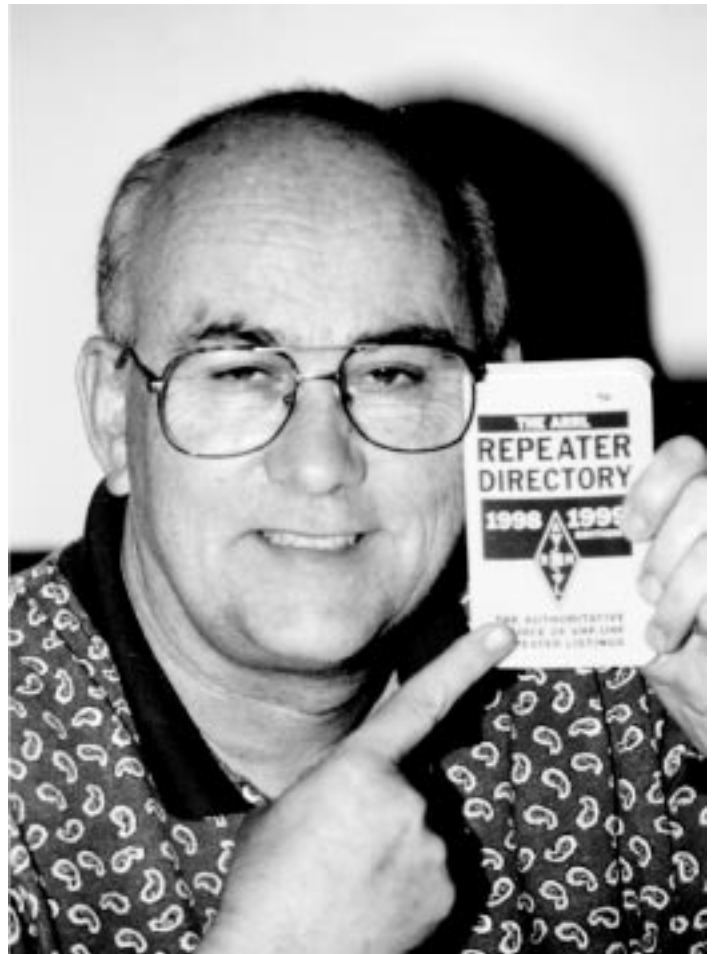
Jim Rudnicki, NZ7T  
306 North 1500 East  
Layton, UT 84040  
(801)547-9218  
email: nz7t@arrl.org

Jim said that one of the amateur radio experiences that he remembers most was working the Russian space station MIR in his car while on a I-215 overpass.

Jim, we wish you the best in all your endeavors.

73 N7HVF Linda Reeder □

## Book Ladies Corner



Fred "The Book Lady", KI7KM, with the new Directory.

The brand new 1998-99 edition of *The ARRL Repeater Directory*. It's been completely revised to give you the most up-to-date repeater listings possible. You'll find nearly 21,000 FM voice and ATV repeater listings covering North, South and Central America. You'll even find a number of listings for Europe and the Middle East, as well as an updated list of Frequency Coordinators.

The best part is the size and format. You can easily stow *The ARRL Repeater Directory* in your car, bike, boat, backpack, hamshack- wherever. And the user friendly format makes it a breeze to thumb to the section you're looking for - quickly and easily

*The 1998-99 ARRL Repeater Directory*. It's the pint-size book - packed with a goldmine of information - at a pint-size price. Available at the Book Ladies table at the June UARC meeting for only \$8.00.

Fred, KI7KM □



## UARC at the Great Salt Lake Council's Scout-O-Rama

On May 2, 1998, under the direction of Eugene Christensen, KC7CSE, UARC hams established five operating stations at the 1998 Scout-O-Rama at the Utah State Fairpark in Salt Lake City. The main goal of this exercise was to seize upon the wonderful public relations opportunities to introduce amateur radio to 20,000 people. It was reported that there were over 50,000 visitors to the event, which is also notable, in that it is the largest Scout Show held anywhere in the world. Among the stations at the Scout-O-Rama were two HF stations at the main booth, a packet/VHF FM station, a satellite station, and another HF/VHF FM station. UARC also was able to show off its brand new banner at the show to help guide people into the booth. One of the main activities at the event was allowing scouts to talk on amateur radio. An estimated 100 scouts were able to talk to the other hams at the show as well as each other.

Another central focus of the Scout-O-Rama was the special event HF station. Under the special event callsign, N7T, at least 100 contacts were made with amateurs all over the U.S. A few scouts were even able to talk to some hams in other states. Amazingly enough, on the Tuesday after the event, Eugene already received some QSL card requests from hams as far away as Minnesota. The station used the club's 3-element tri-band atop the crank-up tower of the club's generator trailer. The other HF stations used verticals for antennas and Kenwood HF radios. Operating these stations were Ed, AH2BE; Dick, K7MZ; Tom, NY4I; Dick, W7TGC; and Jeff, K7JEF.

While we may not be able to consider it a separate station, Dick; K7MZ, stumbled onto a great marketing tool. We were playing around with an MFJ CW trainer where we decided to hook it to a speaker. By placing this on the table near the passing crowds, we had quite a few people stop by to see what this was all about. Also, when we let the scouts loose on a Bencher keyer, they all wanted to practice sending their names. Of all the things we had going on, CW seemed to be the biggest draw for the scouts. Apparently, there is hope for CW yet.



Photo: Bruce Beigen, K17OM

Russ, KC7WVQ, wearing his CERTS vest, explains how Packet Radio works. The purpose of the Hammer, Russ?



Photo: Bruce Beigen, K17OM

Dick, W7TGC, found a high level of QRN on 40 M at the Fairpark.

Russ Harmon, KC7WVQ, setup a packet station along with VHF FM to allow the scouts to talk with other hams. Russ was able to give a great demonstration to many of the scouts there. As the author was driving back into the fairpark on Friday to complete the late-night setup, a very large crowd was gathered around Russ's equipment. Naturally, visions of exciting packet or

repeater contacts came to mind. But, after setup, as the author wandered down to Russ' tent, the source of all this excitement was soon found. Apparently, Russ had another exotic piece of equipment: a TV. It just so happens that around the time the large crowd was gathered, the end of the Utah Jazz game was on the tube. Apparently, one has to remember that for the uninitiated, there are some things more important than ham radio.



Photo: Bruce Bergen, K17OM

Steve, KC7IAS, worked the satellites using his mobile rig and a handheld dual-band beam.

The satellite station was run by Paul, KC7QFS; Steve, KC7IAS; and others with a very nice demonstration of satellite technology. After 17 years as a ham, the

author witnesses a satellite contact for the very first time as well. It really is amazing what one can do with a handheld radio and a handheld yagi antenna.



Photo: Bruce Bergen, K17OM

Tom, NY4I & author, saw his first satellite QSO.

Joel, KC7UBP and Cindy, KC7UUW, ran the other HF and VHF FM station. They were also able to provide information for the public with FM contacts and discussing ham radio.

All in all, UARC made a great showing with more than 25 hams in attendance. We were able to hand out ARRL literature with the UARC ham hotline number so we can hopefully generate some interest for the club. We had many people that saw our signs and came into the booth for more information. Some people said they always wanted to get involved in ham radio, but did not know how. DO you know someone like this? What about your neighbor?

Many thanks to Eugene, KC7CSE, and all that helped make the 1998 Scout-o-Rama Communications exercise a success. Any takers for organizing this event for next year?

PS If any hams were forgotten, please accept our thanks and apologies.

Tom NY4I □



Photo: Bruce Bergen, K17OM

Two Scouts and a Cub experience Ham Radio at Joel, KC7UBP and Cindy, KC7UUW's station.



## Modern Beverage Receiving Antenna Construction and Installation

One of the most beneficial station antennas that offers good low noise directional or non-directional performance at a very affordable price is the beverage, or "wave" antenna. It is constructed from a single wire, end-fed from the station end, and elevated 5-10 feet above ground on insulated standoffs.

Beverage antennas fed through a wideband impedance converting transformer offer broadband low noise performance for low to mid-frequency applications in the .5 to 9 MHz. range, more or less. If you're interested in directional performance plan on erecting a beverage antenna in a straight line toward the desired direction of at least 1 wavelength at the operating frequency of choice. The longer the wire is in that direction the more directive the antenna becomes. Essentially the beverage is a piece of unshielded parallel line transmission line in the 400-600 ohm range, respective to earth. Feeding the antenna requires a broadband transformer which is simple to wind and is featured in many technical books and articles. But here are a few observations we would make that you won't find in published literature, or at least in few of them.

1) In terminated beverages after the installation is done check the impedance matching and load resistor choice by simply inserting about 1 watt or so of power into the system and measuring the match system with a simple VSWR measurement. Sweep the frequency range of desired use in this manner and you can see if the impedance transformation and resistance used is correct, or if some alterations have to be made. We found at the I.C.E. factory station that for our 600-800 foot terminated straight beverages resistance and matching of 450 ohms worked best, offering a near 1:1 match from 1 to 30 MHz.

2) Be sure to include blocking-type lightning protection in the match system to prevent developed voltages from destroying your radio equipment. Blocking the DC path with a .01 capacitor is beneficial if a drain-to-ground matching system is employed. A beverage of only a few hundred feet can be electrified up to as high as 10,000 volts respective to ground with an overhead cloud-to-cloud lightning blast (we know - we measured it).

3) Be sure that from the feed-point to the wire that the wire ascends slowly to its regular height of travel

down the rest of the antenna. Don't feed the antenna and then go vertically up 10 feet, turning horizontal for hundreds of feet or the antenna will look like a vertical receiving antenna partially and some of the low noise and directivity effects will be compromised.

4) Use steel, galvanized wire where possible. Since the antenna is voltage fed (high-Z) there's no advantage to be realized from, using copper wire. Contrarily, copper is soft and stretches easily, causing sag. Also, it is easy to break if tree limbs or ice land on the wire span, causing the copper to sag further or break. Best choice - electric fence wire used by cattle farmers. It's #18-#19 in size, galvanized, solid steel with a 1,000 pound strength, and can take a lot of punishment. It's also 60-80% cheaper than copper, costing around \$8.00 per quarter mile (1,250 feet) and sold in farm stores and some hardware stores.

5) Use carbon composition or flameproof non-inductive resistors for terminating the beverage, and use 10 watts or better of power handling capacity. During transmit your beverage can be really hot with RF and can easily burn out small resistors. The larger power resistors also help prevent lightning burnout. Wirewound power resistors work fine if the frequency limit of the beverage is less than 5 MHz. or so. Including a gas-discharge unit in the 75V range is helpful.

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## Update of Area Clubs List Scheduled

An updated list of Intermountain Area Amateur Radio Organizations and Clubs, their activities, supported facilities, and contacts is scheduled for the July issue of *The Microvolt*. This was last published in the February issue. Since that date the editor has received several corrections and updates. If the organization in question has received an acknowledgment of changes from *The Microvolt* editor, those changes will appear in the new list. Please check either your print copy or go to the web page and examine pages 13-15 of the February 1998 issue.

<http://www.xmission.com:80/~uarc/Microvolt/>

Please email changes to: [bbergen@xmission.com](mailto:bbergen@xmission.com) □

## The 160 Meter Lazy Lombardy Super Quad

Here is an idea for an all band antenna that will really grow on you. On your antenna location lay out a square. Make each side approximately 144 feet. At each corner dig a hole 3 feet deep and 3 feet in diameter. Fill hole back in half way with 50/50 combination of the soil you just removed and a good quality mulch. Into the remainder of the hole plant a 15 foot Lombardy Poplar Tree and fill in with the rest of your soil. Tamp soil firmly, but not too hard. You may wish to add a support stake though this is not required.

After trees have been planted at each of the four corners, prepare 5 foot long non insulating rope supports. Poly rope would be my suggestion as nylon may deteriorate quickly when exposed to outside weather. Then fasten each support to one of the Lombardys. At the end of each rope support, attach a ceramic insulator. Next, thread approximately 536 feet of a good quality copper weld wire (length may vary depending on your favorite resonant 160 meter frequency).

This is where it may be necessary to add supports to each Lombardy as tension can get quite high on your immature antenna. At corner of loop, at Lombardy closest to your shack, attach ends of your loop to a insulated support. You can feed direct with coax (a 4 to 1 balun is optional, some experimentation here may be necessary at your particular location) into your tuner. When figuring your coax length, allow 75 extra feet at base of "feeder Lombardy" for future expansion.

At this juncture, your antenna is complete. You can immediately start transmitting. Though higher supports would no doubt greatly improve your signal, a horizontal loop of this type at 15 feet is not greatly affected by the close proximity to ground. If you prefer though you can wait. Lombardy poplar trees, if well watered and fed can grow as much as 5 feet per year. At this rate a mere 5 years would give you 25 more feet. You would now be at 40 feet. Though less than 1/8 wave on 80 meters, this antenna should operate very effectively over all the bands (with an antenna tuner). It should be remembered also that this antenna farm will continue to increase in height at the rate of 10 feet every two years. Lombardys typically grow to a height of 90 feet which should make for a very effective antenna indeed.

I suggested Lombardys in this article as they have a very quick growth rate. Now if a fellow ham had more time he could use Giant Sequoias. The gain in height might well offset the necessary increase in growth time. Also, I can see the wheels starting to turn in the minds of those Hams plagued by unreasonable neighbors and/or covenants. I challenge you to come up with a better design for a stealth antenna. Your neighbors will never notice your antenna system literally grow out of your yard.

Well I hope this gives you experimenters out there a new idea for a fine antenna system which though it takes a little time to get up, should be a terrific performer! Just think, the whole time your antenna rises you can have a great antenna party.

Richard, KJ6TL □

## A Ham and His Frog

A Ham was crossing a road one day when a frog called out to him and said, "If you kiss me, I'll turn into a beautiful princess." He bent over, picked up the frog and put it in his pocket.

The frog spoke up again and said, "If you kiss me and turn me back into a beautiful princess, I will stay with you for one week." The Ham took the frog out of his pocket, smiled at it and returned it to his pocket.

The frog then cried out, "If you kiss me and turn me back into a princess, I'll stay with you and do ANYTHING you want." Again the Ham took the frog out, smiled at it and put it back into his pocket.

Finally, the frog asked, "What is the matter? I've told you I'm a beautiful princess, that I'll stay with you for a week and do anything you want. Why won't you kiss me?"

The Ham said, "Look, I'm an amateur radio operator. I don't have time for a girlfriend, but a talking frog is cool". □

## Ham Hot-Line

The Utah Amateur Radio Club (UARC) has a Ham Hotline, 583-3002. Information regarding Amateur Radio can be obtained, including club information, testing, meeting information, and membership information. Leave your name, telephone number and a short message on the answering machine if no one answers and your call will be returned. □

## June Meeting: Field Day



Gordon, K7HFV, will be the Master of Ceremonies for the UARC Field Day Kick-Off meeting

Photo: Bruce Bergen, K17OM

Field Day is the annual contest that is so important we devote an entire meeting to it. Maybe that's because Field Day is more than a contest. It's an emergency exercise, a club gettogether, and a family campout all in one.

UARC's June 4 meeting will be used to explain Field Day, plan our 1998 entry, and look back at some Field Days from past years. For those who are new to the concept, this is the perfect way to learn what Field Day is all about. For the veteran FDeers, it is a chance to analyze last year's performance and figure out what we need to do differently this year. And for those who unfailingly avoid Field Day, it is a chance to recall why.

For the newcomer, here a few clues about what's going on. Field Day is, indeed, a national contest. In fact, it is the largest contest in amateur radio, eclipsing even Sweepstakes. Stations all across the U.S. and Canada try to work as many stations as possible in a 24 to 27-hour period.

For full details about contest rules, see the May issue of *QST* magazine.

Field Day emphasizes portable and mobile operation. The heavily competed entry classifications are ones in which all contacts must be made in areas away from normal fixed stations. Stations do, in fact, take to the

"field". The reason is that the contest helps us develop our emergency readiness our ability to set up stations quickly wherever they are needed.

Unlike most other contests, Field Day is one in which most of the entrants are clubs. It makes an excellent chance for a family campout, so UARC uses it this way as do many other clubs.

Field Day always takes place on the fourth Saturday in June (usually, but not necessarily, the last Saturday) and the following Sunday. That means this year's event will be on June 27 and 28. Some members, however, will arrive as early as Thursday night, and by Friday night there will be a substantial group.

The location for UARC's Field Day entry will be a site near Payson Lakes on the Mt. Nebo Scenic Loop. Directions and more information appears in Tom's, NY4I, article in this issue and on the club's web site.

The June 4 meeting will also be the last chance to sign up in person for the July 18 SteakFry

UARC meetings are held in the Little Theater building in the Salt Lake County fairgrounds on the first Thursday of each month (except July and August). Neither the building nor the street is marked with a number, but the address is approximately 150 East 5150 South. Follow the sign that says "Square Dancing." Meeting time is 7:30 P.M. **This will be the last meeting in this location.** During the summer the building will be torn down to make way for an ice skating rink. We will shift to a new location starting with the September meeting, so watch future issues for maps and directions or as always the club's webpage for more information.

Gordon, K7HFV □

## Last Call for UARC Steakfry

The annual Steakfry, one of UARC's biggest events of the year will take place on the afternoon of Saturday, July 18, along with its companion swapmeet. If you have yet to schedule vacations and other summer activities, then mark this date on your calendar. UARC has once again been able to secure a spot at The Spruces campground in Big Cottonwood Canyon. Tickets will be on sale at the June 4 UARC meeting. The price for members will be \$2.00, nonmembers \$9.00 and children \$2.00. A map and other details will be provided in the July issue of *The Microvolt*. □



# 12

## Net Schedule

Day	Time	Freq.	Name/Purpose
Sun.	2000	146.62 MHz	TCP/IP Users' Group (packet radio)
Sun.	2100	146.62 MHz	Utah Amateur Radio Club Information Net
Mon.	2100	147.18 MHz	High Valley Net (Ragchew)
Mon.	2100	144.25 MHz	Weekly 2meter SSB net
Tues.	1900	146.98 MHz	West Desert Amateur Radio Club
		& 145.37 MHz	
Tues.	1930	146.90 MHz	Ogden Amateur Radio Club
Tues.	2000	146.94 MHz	Utah VHF Society (business and swap)
Tues.	2100	147.34 MHz	Utah Valley Amateur Radio Emergency Service
Tues.	2100	146.72 MHz	Bridgerland Amateur Radio Club Net
Wed.	2000	146.88 MHz	SL County Amateur Radio Emergency Service
Wed.	2000	145.43 MHz	Utah Box Elder Thiokol Net
		& 145.20 MHz	
		& 448.43 MHz	
Wed.	2100	146.74 MHz	Mercury Amateur Radio Association, SL area
Wed.	2100	145.49 MHz	Mercury Amateur Radio Association, Ogden area
Wed.	2100	145.37 MHz	Mercury Amateur Radio Association, Provo area
Wed.	2100	50.125MHz	Weekly sixmeter net
Thu.	1900	147.04 MHz	Davis County Amateur Radio Club
Thu.	1900	147.12 MHz	Youth Amateur Radio Club

### HF NETS

Daily	1230	7272 kHz	Beehive Utah Net (formal traffic handling)
Daily	0200Z	3937 kHz	Farm Net (Same UTC summer and winter)
Daily	1930	3708 kHz	Utah Code Net (formal traffic handling)
Sat.	1100	7272 kHz	Quarter Century Wireless Association (QCWA) □

### Letter to the Editor

Editor:

I would like for you to put a word of appreciation in your newsletter for me....

Thanks to Linda Reeder, N7HVF, for her great presentation of "Women In Ham Radio" at the Davis County Amateur Radio club meeting on May 9, 1998. The presentation was enjoyed by all in attendance. Thanks to Venus, KB7FXB, and Maurine, KC7HOZ, for their support to Linda in transportation to the meeting. Although Murphy's Law was in attendance in regards to a recorder for the tape Linda had as part of the presentation we did finally boot Murphy out the door and all went well. Thank you ladies and all the rest of you that participated. Job well done and another good time chalked up in the record books.

Gary Smith, KC7IHZ, VP DCARC □

### Utah Amateur Radio Examination Schedule for May

**06/06/98** (Sat.) Salt Lake City.  
Gordon Smith, K7HFV  
Phone: H 582-2438 B 534-8116

**06/17/98** (Wed.) Provo  
Contact: Steve Whitehead, NV7V  
Phone: H 465-3983 B 225-5200

\*Only Novice and Technician elements (1A, 2, and 3A) given at this session.

For more detail either call the contact or checkout the information on our webpage  
<http://www.xmission.com/~uarc> □