

# “New Hams abound in Salt Lake!!!”



Listed in alphabetical order (not as pictured): Joann Anderson, Crystal Bailey, Carol Baxter, Kim Budge, Carol Buell, Marlene Cline, Martina Coombs, Diana Harvey, Carolyn Healy, Maggie Healy, Verlene Healy, Natale Hughes, Vickie Jones, Barbara Long, Sharilyn Madsen, Joyce Mahoney\*, Sara Parker, Linda Powell, Annette Raiford, Carol Richardson\*, Susanne Richardson\*, Kim Smith, Helen Wilshhon, Sara Wiscombe.

(\* Not pictured)

Volume XLV Issue 5, May 2001



# The MICROVOLT

Periodicals Postage Paid

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c/o Gregg Smith  
7546 S. Uranium Dr.  
West Jordan, UT 84084

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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.

*Meetings:* 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 Infinia Medical Building located at 1255 East 3900 South in Holladay, across the street from St. Marks Hospital.

*Membership:* 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. Send dues to the Club Secretary: Gregg Smith, K7APW, 7546 S. Uranium Dr., West Jordan, UT 84084. ARRL membership renewals should specify ARRL Club #1602.

*Contributions:* 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.

*Repeaters:* UARC maintains the 146.62- and the 146.76-repeaters. 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 Santaquin to Lehi) and the Salt Lake City exchange (covering Draper to Layton). The 449.10 repeater has autopatch facilities available to UARC members 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.

*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. If no one answers, leave your name, telephone number and a short message.

*Publication:* 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 (uarc@xmission.com), but other means including diskettes and typewritten submissions can be mailed directly to: Tom Schaefer, NY4I, 11678 Littler Rd. Sandy, UT 84092. All submissions are welcome but what is printed and how it is edited are the responsibility of the Editor and the UARC board. Reprints are allowed with proper credits to The *Microvolt*, UARC, and authors. Changes in mailing address should be communicated to the Club Secretary: Gregg Smith, 7546 S. Uranium Dr., West Jordan, UT 84084. □

## UARC 2001 Board

President: Dick Abbott, K7MZ	943-0370
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Board Liaison & Autopatch Engineer: Gordon Smith, K7HFV	582-2438
Provo Autopatch Host & ATV Engineer: Dale Jarvis, WB7FID	224-3405
Repeater Monitor: Allen Wright, N7QFI	268-8482

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*For net times and frequencies, testing details and 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) □*

We are grateful to the management of XMission, our Internet Service Provider (ISP), for the donation of this Web-Page service. □



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 Or call 801 539-0852.



# The Microvolt

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

Volume XLV, Issue 5 May 2001



## QST From the Prez

If you missed the April club meeting, you missed a great one. Most of us thought it was going to be a very serious FBI and Secret Service presentation about the ham radio support for the Olympic games. It turned out to be one of the most humorous presentations we have had in a long time. Jeff, the special FBI agent, and Bob, the Secret Service agent verbally jostled throughout making it a very interesting presentation. They discussed the organizational structure of the Olympic security organization, and how we as ham operators will fit in to that organization. The FBI and Secret Service recognize the unique skills and systems which the hams possess. As you volunteer and receive the necessary training, you will better understand the unique role we will play in security for the Olympics. They are asking us to get our applications in as soon as possible to allow them to do the necessary background checks before assignments are made.

It sounds like we would get great radio experience through UOPSC. I don't mean to discourage you from volunteering for SLOC who is also recruiting ham radio operators. Your decision to volunteer is a personal decision, and you should decide based on where your interests and talents can be used most effectively.

Next month's meeting should whet your appetites if you are interested in antennas. Tom Schiller, N6BT, the president of Force 12 antennas headquartered in California will meet with us to discuss such topics as how to select antennas, antenna gain, horizontal stacking of antennas, phasing of vertical antennas, impact of height above ground on resonant frequency, traps versus linear loading, and other subjects. Force 12 has world-wide dealerships

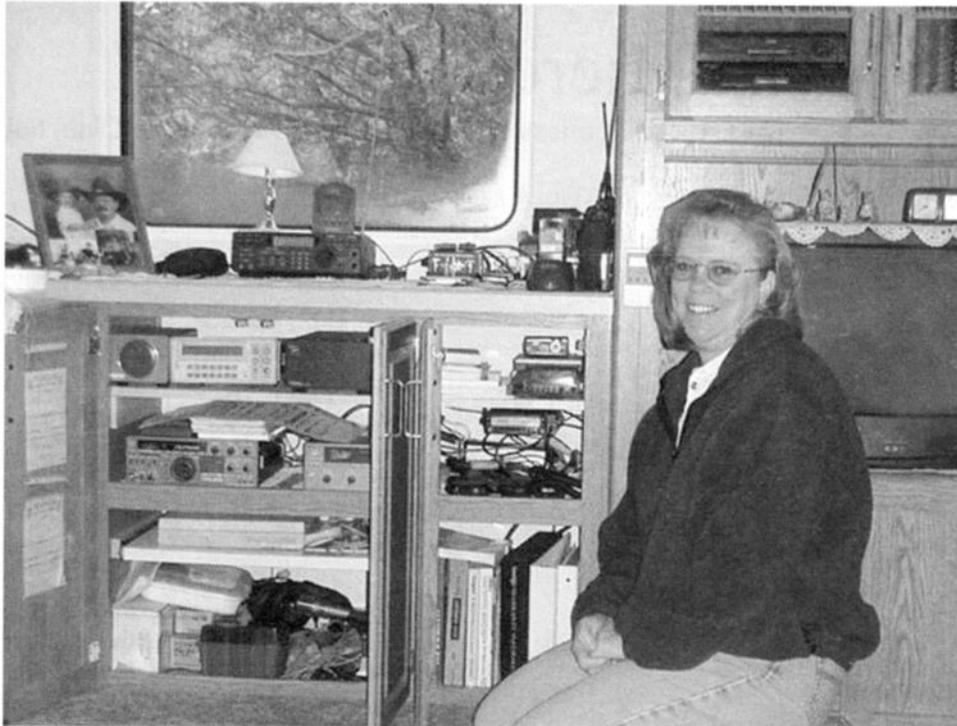
in the U.S., Canada, England, Japan, Sweden, Portugal, Spain, France, Italy, Russia, South Africa, Germany, Switzerland, and Germany. Tom has designed many antennas and produces them for the ham market. He is a well known DX'er and a member of record setting DX teams. He also has provided many of the world's Dxpeditions with his antennas. Don't miss this meeting if you want to know more about antennas.

Another event coming up in May is the Friendship Cruise. For those of you who like the challenge of field day with a real-world mission, the Friendship Cruise is it. The Friendship Cruise is an event where approximately 100 boaters put in at Greenriver, Utah and float or motor down the Green River to the confluence with the Colorado River and then motor back up the Colorado to Moab, Utah. The length of the trip is about 184 miles, and it takes place on Memorial Day weekend. If you have ever been in this part of the country, you know it is very remote.

The ham operators provide communication support for the event from Friday through Monday when the boaters pull out at Moab. We set up both HF radios and a temporary VHF repeater system on the rim of the canyon and various takeout points along the rivers. If there are emergencies on the trip, the hams are the primary link to get the information back to emergency response personnel. Some hams travel and provide communication on the rescue boats. Those who are not on the rescue boats, monitor and pass traffic between event organizers, rescue boats, and the Emery County Sheriff's Department who has responsibility for the event. If this sounds like your cup of tea, see me at the meeting, and I will give you more details.

73 Dick, K7MZ





### Featured Member of the Month

This month we are featuring Cindy Neal KC7UUW. Cindy has been in amateur radio for three years. She has her technician plus license. Cindy got interested in amateur radio along with her husband Joel Neal KC7UBP, who was in charge of field day a couple of years ago.

They wanted to be able to communicate with one another when they were hiking, camping or on their way to work. They were seriously thinking about getting a CB radio but their neighbor Bill Oberg AA7XS convinced them that amateur radio was the way to go. They joined Gary Openshaw's (KC7AWU) class, studied hard and Cindy's favorite thing about amateur radio is working with ARES and being able to help people. She is a member of ARES and also a member of UARC.

Cindy and her Husband Joel have two grown daughters. Shannon who is 25 and has two sons. Her five year old son says he wants to be a radio operator. Naomi is 22 and she fell in love with their neighbor Bill's son and they got married. Cindy works for Anjo Machine as an office assistant and receptionist

One day Joel came home and said I sure hear a lot of amateur radio operators saying they wish they could get their wives in to the hobby. He suggested to Cindy that she should start a ladies only amateur

radio class. Cindy took the ball and ran with it. She made arrangements to have the class at the Murray fire station. This class is the largest class ever in Utah for women in amateur radio. There are 40 women in the class. Cindy's two daughters are also in the class. This class is taught by women. Cindy is really excited about this and hopes every woman in that class passes. They started this class on March 7th. It is going to be an eight week class. Cindy, we wish you the best and hope that every member of the classe passes.

73, Linda Reeder, N7HVF

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Bob Wood W7OAD, UARC Member

### May 2001 Meeting

Our speaker at UARC's May meeting will be a man famous in antenna circles: Tom Schiller, N6BT. Tom is the designer behind the antennas of the company Force 12 Antennas. ([Http://www.force12inc.com](http://www.force12inc.com)), in Paso Robles, California.

We expect that Tom will answer some common antenna questions such as:

- How does a horizontal antenna perform compared to a vertical?
- What are the benefits of horizontal stacking vs. vertical stacking?
- How do you set up a phased array of verticals?
- How do you find out what's wrong when your beam doesn't seem to be working?

He will also be able to answer questions from the audience.

Tom has been involved in the design of some famous antenna successes. His presentation promises to be a unique event.

That will be Thursday, May 3rd, at 7:30 P.M. If you're new, check out the meeting location details.

Of course there will be the "standard" features of monthly meetings as well:

Availability of ARRL books from Fred, the "book lady";

- A chance to sign up for badges, hats, and jackets;
- Just before the meeting -- "Show and Tell

Time" to show off your newest homebrew project;

- The "Elmer Hour," a chance, after the meeting, to get your questions answered by those who have been in the hobby a while; and

- The "Meeting(s) after the meeting": A chance to enjoy pizza or other gastronomic delights with other hams.

Gordon, K7HFV □

### And Now a Word from the Editor

As you may have noticed, the Microvolt has been received by most members after the meeting. For that, I am quite disappointed, but due to my busy schedule, I hope you can understand that sometimes the release date of the Microvolt slips. Rest assured, I endeavor each month to get it out early enough for the meeting. But, as I stated, sometimes other priorities come first. This month has been a great month for submissions, so please keep them coming and I can get the bugs worked out of this schedule.

Thanks for your patience...

Tom NY4I

PS Complaining to the President, Editor, Ham hotline, etc. rarely helps. Now, preparing the next editor, that would help a lot (hi hi).□



### Ladies Amateur Radio Class

The largest Amateur Radio class ever in Utah for women began on March 7th, 2001. This class is taught by women and is for women only. Cindy Neal KC7UW is the one who got the ball rolling. Her husband Joel Neal KC7UBP came home one day and said you should start a class for ladies only and she did just that. She made the arrangements to have the class at the Murray Fire Station. She is there every week to make sure everything is set up. Venus Cederstrom KB7FXB was in charge of publicity and recruitment. There are 40 women in the class. Venus is also one of the instructors. She taught the rules and regulations.

Mary Lou Arveseth KG7ZWN gave the introduction. Maurine Streckenfinger K7HOZ talked on putting your ham station together and how to be a good operator. Carol McWherter KC7LLW, Diane Wiscombe KD7BYX and Kay Platt KD7CQH are teaching basic electrical principals, circuit components, practical circuits, Emission signals, radiation and safety. Elaine Jones N7BDZ taught the class on antennas. They also talked about selecting your equipment.

They had Andrew Madsen AC7CF come and talk about radio wave propagation and amateur radio practices. Eldon Kearl KB7OGM spoke about repeaters. On the third week of the class they attended the ARES in person meeting. This was a great opportunity to learn about emergency communications. Venus said that learning

from these women helped her to understand the theory so much better than she ever had before.

When talking with Maurine she said that the instructors worked hard on making the theory simple and easy to understand. I think that learning from the instructors made it so that these students didn't feel intimidated. This class has been such a success that they hope to teach another class in the fall.

73 N7HVF Linda Reeder

### Icom Funmobile Coming to Town

The Icom Funmobile is coming to town on May 12, 2001. The Funmobile is basically a rolling hamshack complete with antennas and all the Icom gear they can fit into it. The Funmobile will be at CPI at 7946 S. State in Midvale. Below you can see a picture of the Funmobile, but it has to be seen to be fully appreciated.



The Icom Funmobile will be at CPI (the local radio store) on State Street on Saturday, May 12th.

## Examination Schedule for May

05/16/2001 (Wed.) Mantua  
 Contact: Jim Jones, KJ7VO  
 Phone (435) 723-1947

05/23/2001 (Wed.) Provo  
 Contact: Steve Whitehead, NV7V  
 Phone: H 465-3983

05/25/2001 (Fri.) Roosevelt  
 Contact: R Chandler Fisher, W7BYU  
 Phone: (435) 722-5440

05/29/2001 \* (Tues.) Salt Lake City  
 Contact: Eugene McWherter, N7OVT  
 Phone: 484-6355

06/02/2001 (Sat.) Salt Lake City  
 Contact: Gordon Smith, K7HFV  
 Phone: 582-2438

\*Only Technician elements (1 and 2) given at this session.

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

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David Whiting, KD7APK  
 UARC member

## Member For-Sale Items

FOR SALE:

Complete Ham station including:

TRANSCEIVER:

\* Yaesu FT-707 HF SSB Transceiver : Base or mobile operations (12vdc). 100 watts output, 80 thru 10 meters plus WARC bands. SSB, AM and CW (W & N). Has MOX, AGC-F, MARK, ALC, FIX, NB & CLAR. RF & Audio gain controls. Bandwidth Control from 300 Hz to 2.4 Khz. Has digital display , but also a calibrated analog dial.

\* Yaesu FP-707 Power Supply for above : Provides 13.5 V DC and speaker for FT-707.

\* Yaesu FC-707 Antenna Tuner : 80 thru 10 meters, dummy load, power and SWR meter.

MORSE DECODER/ENCODER:

\* Info-Tech M-200F: Decodes CW, RTTY & ASCII, displayed on composite video monitor.

\* Keyboard Tri-mode Info-Tech 300C: CW, RTTY & ASCII.\* Monitor 9" Sanyo VM4209

ANTENNA:

\* Hy-Gain Omni DX-88: 8 band vertical.

\* Yaesu FAS-1-4R: Remote antenna selector.

MISC:

\* Heathkit Electronic Keyer.

\* Drake DL1000 Dummy Load.

\* TV-1000-LP Low Pass Filter.

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Gil Angiolini

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C: 801 502-4710

\*For Sale:

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**July 13,14,15 2001 (Friday, Saturday & Sunday)**

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Visit the following Web sites for more details: [www.utahhamfest.org](http://www.utahhamfest.org), [www.RubysInn.com](http://www.RubysInn.com)  
 Mark your Calendars now. Publish this flyer in your Newsletters. Announce at Club meetings.

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Riley Hollingsworth, K4ZDH – FCC Special Counsel for Amateur Radio Enforcement

**Special Guest**

Rosalie White, K1STO – Manager ARRL Field & Educational Services

**Activities Include:**

- BBQ Cookout / Eyeball QSO Party
- Dutch Oven Dinner
- Breakfast Banquet
- Dealers
- Outside Swap Meet Area Free (Bring your own table)
- Seminars and Forums
- Women's and Children's Events
- Contests:
  - CW & QLF
  - Mobile Installation,
  - Transformer Toss (a new method)
  - Transmitter Hunts (a new challenge)
- Prize Drawings
- Wouff Hong
- HF Special Event Station
- VE Amateur License Exams (Pre-Registration Required  
 Contact John Mabey, W7CWK - w7cwk@arrl.net)

**Accommodations:**

**Ruby's Inn** (Special Rates prior to June 7)

- 2 Queen Beds \$70
- Pool Side \$90
- Lodge across street \$50
- Contact: **Keith** in Group Sales
- Call: 1-435-834-5341 Ext. 7222**
- Ask for Special Utah Hamfest Room Rates

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**Grand Prize:** Yaesu FT-100 160m - 70cm All Mode Transceiver

**Pre-Registration Prize:** ICOM IC-207 2m/70cm Dual Band Mobile

**Registration Information:** Mel Parkes, AC7CP – [ac7cp@arrl.org](mailto:ac7cp@arrl.org)

**Before June 7<sup>th</sup>:** Adult (18 and over) \$7.00, Youth (17 & Under) \$3.00 (No mail-ins after June 7, 2001)

**At the Door:** Adult \$10 and Youth \$5.00

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Number of Adults: ..... X \$7 / \$10 = \$ \_\_\_\_\_

Number of Youth (17 & under): ..... X \$3 / \$5 = \$ \_\_\_\_\_

(Youth registrations eligible for youth prizes only)

Friday BBQ Cookout / Eyeball QSO Party: ..... X \$6 = \$ \_\_\_\_\_

Saturday Dutch Oven Dinner ..... X \$10 = \$ \_\_\_\_\_

Sunday Breakfast Buffet: ..... X \$9 = \$ \_\_\_\_\_

Total = \$ \_\_\_\_\_

Names of Additional Attendees:

\_\_\_\_\_ Call sign: \_\_\_\_\_  
 \_\_\_\_\_ Call sign: \_\_\_\_\_  
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Must have names and call signs (if applicable) of all registered attendees.

Check or Money orders Payable to:

Utah Hamfest  
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