



# The MICROVOLT

Volume XLVI Issue 10, November 2002

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U.A.R.C.  
c/o Gregg Smith  
7546 S. Uranium Dr.  
West Jordan, UT 84084-3942

THE MICROVOLT (USPS 075-430) is published monthly except August for \$15.00 per year or \$1.50 per issue by the Utah Amateur Radio Club, 3666 South State Street, Salt Lake City, UT 84115-4848. Periodicals Postage Paid at Salt Lake City UT. POSTMASTER: Send address change to "The Microvolt", c/o Gregg Smith, 7546 Uranium Dr., West Jordan, UT 84084-3942.

## Home Brew Night



Photos: Chuck Johnson, WA7JOS

Above are a few of the many outstanding projects displayed at October's Home Brew Night. One particular house favorite was the Lawn Chair Loop antenna, made from a discarded lawn chair and that tunes up nicely on six meters.

## 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 Engineering Mines Classroom Building (EMCB), Room 101, on the campus of the University of Utah in Salt Lake City.

**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 84084-3942. 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, (801) 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 on the answering machine and your call will be returned.

**Publication:** *The Microvolt* is the official publication of the club. Deadline for submissions to the *Microvolt* is listed under "Submission Schedule of Editorial Content for The *Microvolt*." Submissions by email are preferred (K7CPM@arrl.net), but other means including diskettes and typewritten submissions can be mailed directly to Associate Editor Ted Cowan, KC7PM, 1889 E Foxmoor Place, 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 2002 Board

President: Mark Richardson, K7HPW	465-7650
Exec VP: Brett Sutherland, N7KG	298-5399
Vice Pres: Gordon Smith, K7HFV	582-2438
Secretary: Gregg Smith, K7APW	255-0344
Treasurer: Chuck Johnson, WA7JOS	268-0153
Microvolt Editor: Bruce Bergen, K17OM	943-1365
Asst. Microvolt Editor: Bruce Leonard, KJ7HZ	576-9162
Program Chair: Steve Baxter, K7SRB	265-9655
Program Chair: Lauri McCreary, K7LMM	571-5759
Imm. Past Pres.: Dick Abbott, K7MZ	943-0370

## Committee Chairpersons and Members

Assoc. Microvolt Editor, Ted Cowan, KC7PM	231-1655
Book "Lady": Fred DeSmet, K17KM	485-9245
Historian: Ron Speirs, K7RLS	968-4614
Field Day Chair: Brett Sutherland, N7KG	298-5399

## Repeater Committee

Trustee: Tom Schaefer, NY4I	501-0899
Engineer: Randy Finch, K7SL	277-7135
ATV Engineer: Clint Turner, KA7OEI	566-4497
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

## Exam Schedule

11/06/02 (Wed) Farmington  
Contact: Fred Villanueva, N7FV  
Phone: (801) 295-6560

11/13/02 (Wed) Mantua  
Contact: Jim Jones, KJ7VO  
Phone: (435) 723-1947

11/20/02 (Wed) Provo  
Contact: Steve Whitehead, NV7V  
Phone: (801) 465-3983

11/26/02\* (Tues) Salt Lake City  
Contact: Eugene McWherter, N7OVT  
Phone: (801) 484-6355

11/29/02 (Fri.) Roosevelt  
Contact: R Chandler Fisher W7BYU  
Phone: (435) 722-5440

12/07/02 (Sat) Salt Lake City  
Contact: Gordon Smith, K7HFV  
Phone: (801) 582-2438  
Work Phone: (801) 534-8116

\*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>

## Submission Schedule of Editorial Content for *The Microvolt*

The *Microvolt* editorial team has made a commitment to providing the club membership with a quality publication that will be in your hands prior to the meeting of the publication month. This means you should be able to count on being reminded of upcoming meetings and events before they happen. In order for this to happen we must have two things: quality material submitted to the associate editor, Ted Cowan, KC7PM, and submitted prior to the deadlines listed below.

### Meeting Submission Deadline

Thu Nov 7 **Wed Oct 16**  
Thu Dec 5 **Tue Nov 12**

This schedule will be revised and published in subsequent issues of *The Microvolt*. We sincerely hope that this will help those who wish to make submissions make our deadlines.

*The Microvolt* Editorial Team - Bruce - K17OM., Ted KC7PM, and Bruce, KJ7HZ

## More on Editorial Content Submission Standards

The *Microvolt* Editorial Team wishes to make submitting documents for potential publication as easy as possible. A contributor or writer should feel free to submit text, preferably by email, in any format, within reason, of popular wordprocessors they are comfortable using. Writers should keep in mind that the Editors in producing *The Microvolt* use a standard font and layout. All submitted material used will be stripped of formatting and converted to these standards. Please keep your formatting of submitted documents as simple as possible. Simple ASCII text is easiest to handle - the less stripping we have to do, the less time it takes to prepare.

Electronic files for graphics, photos, and spreadsheets will be accepted in most standard formats without problem, though to avoid potential problems please check first. □

## Net Schedule

### VHF Nets

Day	Time	Freq.	Name/Purpose
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 2-meter 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	50.125 MHz	Weekly six-meter net
Thu.	1900	147.42 MHz	Davis County Amateur Radio Club & 449.925 MHz

### HF Nets

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

## Contents

Prologue	2
QST From the Prez: ILRP Internet Linking Project	3
November Meeting: Linda Reeder on HandiHams	3
UARC Board Nominations in November	4
Featured Member - Jim Price, K6JMZ	5
UARC Chairs Giveaway	5
Bylaws Approved by Unanimous Vote	5
Live Auction in November	5
Statement of Ownership, Management, and Circulation	6, 7
Utah Amateur Radio Licensee Honor Roll	8
UARC 75th Anniversary Special Event Station	8

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) □

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# The Microvolt

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

Volume XLVI, Issue 10, November 2002



Photo: Ron Spellis, K7RLS

## ILRP Internet Radio Linking Project

So you want to work some DX but don't have a general or higher license? Don't have a HF station? Don't have lots of yard space for big antennas? Don't despair; we have something for you.

The aim of the IRLP is to link radio systems separated by long distance without the use of expensive leased lines, satellites, or controllers. IRLP uses Voice-Over-IP and the Internet.

Using your handheld or mobile, you can access the system, and talk on simplex or repeater somewhere else in the world, i.e. Australia. This is a boon to those who like to work DX but are living in areas where they cannot put up an HF station and antennae. Amateurs with their Basic qualification can work DX countries using IRLP. IRLP local nodes will be on 2 meters, (Club repeater 146.760). There are other nodes in Utah already up and running or you can listen to the reflector via the Internet, go to <http://www.live365.com/stations/253404> and click the PLAY button.

To access the IRLP system all YOU

require is your radio, a DTMF keypad, (or onboard DTMF audio sending unit), and of course the access codes for the IRLP network.

How it works in a nutshell:

There are two connection modes for an IRLP connection. Direct one-to-one or, one-to-many via a Reflector.

Direct connect is just like it sounds where repeater (node) "A" connects direct with node "B". With this type of link the two nodes are interconnected and no other IRLP connections are possible. While repeaters "A" and "B" are connected, anyone attempting to connect with either node will be told by a recording that - "The node you are calling is currently connected to callsign" however all local traffic on each repeater will be heard on the other repeater as well.

While Direct Connect is preferred for a city-to-city chat, the most common type of connection in use today is via one of the 12 Reflectors. A reflector is a Linux computer that is not connected to any radio but rather sits on lots of Internet bandwidth capable of allowing many repeaters to be inter-connected together by streaming the received audio back to all other connected stations. At any given time there are usually 6 to 10 repeaters around the world interconnected via this Reflector. You can always check which stations are connected to the reflector by visiting <http://status.irlp.net>. Node locations around the world at can be found at: <http://www.ipass.net/~jimprice/irlp/>. So during the coming weeks stay tuned for details, those of you that would like to participate in the setup let me know.

Having more fun that we can stand!

Mark, W7HPW

## November Meeting: Linda Reeder on HandiHams

Our next meeting will be held on Thursday, November 7, at 7:30pm at the Engineering Mines Classroom Building (EMCD) Room 101, on the campus of the University of Utah. Linda Reeder will discuss the HandiHams organization, how it got started, and how her life has been changed by Amateur Radio. Linda will show two short videos on HandiHams, then take your questions on how you or someone you know can become an Amateur Radio operator with the assistance of HandiHams.

For those of you unfamiliar with the University of Utah, excellent driving and parking instructions may be found on the U A R C website at <http://www.xmission.com/~uarc>.

Don't forget all the other attractions at the meeting, including:

- The "New Ham" meeting before the meeting, at 7:00pm
- ARRL books from Fred, the "Book Lady"
- The "Elmer Hour," an opportunity after the meeting to get your questions answered by those who have been in the hobby for awhile
- The meeting after the meeting, a chance to enjoy pizza or other gastronomic delights with other hams

## REMINDER

UARC meetings are now being held at the **Engineering Mines Classroom Building (EMCD), room 101**, on the campus of the University of Utah.

## UARC BOARD NOMINATIONS IN NOVEMBER

UARC will hold its annual elections at the December meeting. Nominations are being accepted now and anytime up to and during the December meeting. You don't have to be elected to serve the club; committees need volunteers for such activities as publishing the Microvolt and assisting with Field Day. I have taken the liberty to reproduce the "job descriptions" of each of the elected board positions for you to consider. Look them over, and have the courage to step forward. Terms run from January through December.

If you or someone you know has always wanted to serve on the UARC board or a committee, contact the nominating committee chairman **Gary Openshaw**, KC7AWU, home: (801) 484-3407, work: (801) 595-4381, or by email at [kc7awu@arrl.net](mailto:kc7awu@arrl.net).

### SECTION I: DIRECTORS, OFFICERS AND DUTIES (from the UARC bylaws)

A) Directors: There shall be a Board of Directors of at least three (3) in number which shall consist of Officers of the Corporation and in addition the immediate Past President.

B) Officers: The Officers shall consist of: President, Executive Vice-President, Vice-President, Secretary, Treasurer, two (2) Program Chairmen, Editor, and Assistant Editor.

C) Directors and Officers shall serve for a period of one year and until such time as their successors shall have been elected and take office at the close of elections.

D) President: The President shall be the administrative head of the Club; shall preside at all meetings; and shall conduct same according to the rules adopted. The President shall enforce due observance of the Articles of Incorporation, and its Bylaws; decide all questions of order; The President alone shall sign all official documents that are adopted by the Club; and shall act as its spokesmen and representative at meetings with other organizations and committees unless some other member is delegated so to act in any instance by him/her or the Board of Directors. A pronouncement shall not obligate or commit this Club unless this

obligation or commitment has been specifically authorized by the Board of Directors. The President shall perform all other customary duties pertaining to the office of President. All candidates for the office of President shall have held membership in the Club continuously for at least one year immediately prior to the election date. For election eligibility purposes, membership is considered continuous if it contains only one lapse not exceeding ninety days.

E) Executive Vice-President: The Executive Vice-President shall possess all the powers and assume all the duties of President in the event of the absence, disability, refusal, or failure to act, of the President. The Executive Vice-President shall, further, assist the President in all functions of that Office; and shall perform such other duties as are properly assigned to him/her by the Board of Directors.

F) Vice-President: The Vice-President shall possess all the powers and perform all the duties of the President in the event of the absence, disability, refusal, or failure to act, of the President and the Executive Vice-President. The Vice-President shall act as Liaison Officer as required and act as Chairman of the Bylaws Committee. The Vice-President shall perform such other duties as are properly assigned by the Board of Directors.

G) Secretary: The Secretary shall keep an accurate record of all official meetings of the Club, which may be read upon request. The Secretary shall keep a copy of the Articles of Incorporation and Bylaws present at all times; shall keep these in good order; shall effect all changes and additions in same; shall permit same to be consulted by members upon request. The Secretary shall be responsible for the safekeeping of the Articles of Incorporation and Bylaws. The Secretary shall keep a roll of all members, and the current status of these members; shall keep a roll of members present at meetings; and

shall accept all applications for membership; shall carry on all necessary correspondence for the Club; shall read all communications.

H) Treasurer: The Treasurer shall keep an accurate and current record of all monies received and disbursed by the Club; shall read all bills; shall receipt for all bills paid and monies received. The Treasurer shall pay no bill without the approval of the Board of Directors; shall submit at the end of each quarter an itemized statement of all receipts and disbursements. The Treasurer shall deposit all monies received in the Bank approved by the Board of Directors. The Treasurer shall be the Property Officer and have custody of, and safeguard, keep in good order, and report who is in possession of Club property when the final statements are presented. At the expiration of the Treasurer's term all the property and records belonging to the Club will be turned over to the new Treasurer.

I) Program Chairpersons: Program Chairpersons, under the direction of the Board of Directors, shall be responsible for the presentation of the technical program features of the meeting; they shall endeavor to promote generally increased knowledge of the radio technique among its members; they shall organize club member activities, plan and recommend contests for the operating benefit, and advance Club interest and activity as approved by the Club. They may call upon any member to assist them in their various projects.

Ted, KC7PM



YEAH, YOU'RE RIGHT--- I MUST HAVE BEEN LOOKING AT THE INSTALLATION INSTRUCTIONS UPSIDE DOWN!

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Photo: Jim Price, K6JMZ

## Featured Member: Jim Price, K6JMZ

This month we are featuring Jim Price, K6JMZ. Jim has been in Amateur Radio for 53 years. Jim has his General class license. However, back in the old days, Jim had a Class A license which gave him the privileges that an Extra has today. Then the ARRL came up with this "absurd" idea known as incentive licensing.

What happened was they did away with the Class A license and came up with 5 classes of licensing. The individuals who had Class A license were knocked down to General so they lost the privileges which they had that an Extra now has. This made Jim a very unhappy camper. This is why he has never joined the ARRL. It wasn't that he couldn't pass those tests. After all Jim has his First Class radiotelephone and radiotelegraph license with a radar endorsement. It was just the idea of having to work so hard for something he already had. The least they could have done was to grandfather those individuals in.

Jim was in the Navy for 26 years. While he was in the Navy he worked part time as a radio engineer for WAPE, a 50,000 watt station in Jacksonville Florida. Jim even syndicated his own big band radio program for the American Forces Radio and Television System (AFRTS). He worked for the Utah State Prison for 12 years as a correction officer in maximum security. He worked in sales in the jewelry business as a jeweler. He also worked for 4 years as a coast to coast truck driver.

Jim and his wife Shirley have three children, one girl and two boys. Jim's favorite facet of Amateur Radio is rag chewing. However, he has been involved

in some Dxing. As a matter of fact, Jim was the first amateur station to legally operate from Diego Garcia Island. The call sign was K6JMZ/VQ9.

Jim is a member of UARC and he is the president of the Utah chapter of QCWA which stands for Quarter Century Wireless Association. In order to be a member in this club you have to have been in Amateur Radio for 25 years.

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

73 N7HVF Linda Reeder

## Pick 'Em Up and They're Yours: Old UARC Orange Meeting Chairs

The Infinia Medical Center is storing for us our old meeting chairs, which are no longer needed by the club. If you would like to take a few home with you and you are willing to pick them up yourselves, contact Brett Sutherland at (801) 298-5399. Please note that the Infinia Medical Center building staff is only available during the day prior to 3:00pm.

## Bylaws Approved by Unanimous Vote

Minor updates and corrections to the UARC bylaws were posted in the September Microvolt. These changes, which included the removal of archaic language and minor clarifications, was accepted by the UARC membership by a unanimous vote during the October meeting. Look for the updated text of the bylaws on the UARC website at <http://www.xmission.com/~uarc>.

## Live Auction in November

A live auction will be conducted during the November meeting. The items to be auctioned include:

- IC-730 with power supply
- Swan 500C with power supply and external VFO
- Surplus audio amplifier from Radio Shack

Come to the meeting to inspect the equipment. The highest bidder for each item wins.



I'VE GOT A VERY LOW GARAGE DOOR!

United States Postal Service

**Statement of Ownership, Management, and Circulation**

1. Publication Title <i>The Microvolt</i>		2. Publication Number <i>075-430</i>		3. Filing Date <i>9/16/02</i>
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*SAME AS ABOVE*

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3666 SOUTH STATE ST.  
SALT LAKE CITY, UT 84115-4848*

Editor (Name and complete mailing address) *BRUCE BERGEN  
3543 FIELDSTONE CIR.  
SLC, UT 84121*

Managing Editor (Name and complete mailing address) *BRUCE LEONARD  
1434 E. JACOB RD  
SANDY, UTAH 84092*

10. Owner (Do not leave blank. If the publication is owned by a corporation, give the name and address of the corporation immediately followed by the names and addresses of all stockholders owning or holding 1 percent or more of the total amount of stock. If not owned by a corporation, give the names and addresses of the individual owners. If owned by a partnership or other unincorporated firm, give its name and address as well as those of each individual owner. If the publication is published by a nonprofit organization, give its name and address.)

Full Name	Complete Mailing Address

11. Known Bondholders, Mortgagees, and Other Security Holders Owning or Holding 1 Percent or More of Total Amount of Bonds, Mortgages, or Other Securities. If none, check box  None

Full Name	Complete Mailing Address

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 The purpose, function, and nonprofit status of this organization and the exempt status for federal income tax purposes:  
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 Has Changed During Preceding 12 Months (Publisher must submit explanation of change with this statement)

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	(2) In-County as Stated on Form 3541	<b>4</b>	<b>4</b>
	(3) Other Classes Mailed Through the USPS	<b>0</b>	<b>0</b>
e. Free Distribution Outside the Mail (Carriers or other means)		<b>8</b>	<b>7</b>
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g. Total Distribution (Sum of 15c. and 15f.)		<b>450</b>	<b>461</b>
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<b>Bruce G. Journal ASST. EDITOR</b>		<b>9/16/02</b>	
I certify that all information furnished on this form is true and complete. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including civil penalties).			

### Instructions to Publishers

- Complete and file one copy of this form with your postmaster annually on or before October 1. Keep a copy of the completed form for your records.
- In cases where the stockholder or security holder is a trustee, include in items 10 and 11 the name of the person or corporation for whom the trustee is acting. Also include the names and addresses of individuals who are stockholders who own or hold 1 percent or more of the total amount of bonds, mortgages, or other securities of the publishing corporation. In item 11, if none, check the box. Use blank sheets if more space is required.
- Be sure to furnish all circulation information called for in item 15. Free circulation must be shown in items 15d, e, and f.
- Item 15h., Copies not Distributed, must include (1) newsstand copies originally stated on Form 3541, and returned to the publisher, (2) estimated returns from news agents, and (3), copies for office use, leftovers, spoiled, and all other copies not distributed.
- If the publication had Periodicals authorization as a general or requester publication, this Statement of Ownership, Management, and Circulation must be published; it must be printed in any issue in October or, if the publication is not published during October, the first issue printed after October.
- In item 16, indicate the date of the issue in which this Statement of Ownership will be published.
- Item 17 must be signed.

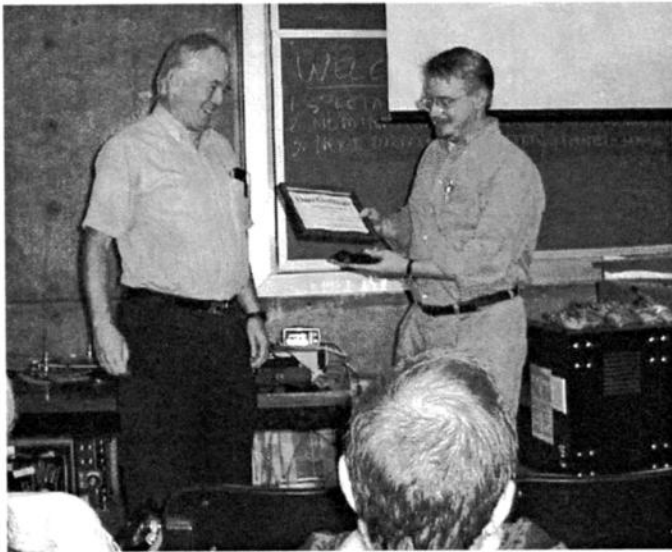
**Failure to file or publish a statement of ownership may lead to suspension of Periodicals authorization.**

## Utah Amateur Radio Licensee Honor Roll

UARC congratulates the following Utah amateurs for earning their new or upgraded licenses. This information was extracted from the FCC database and represents upgrades and new licences issued in September, 2002.

Michael A Bice Magna New Technician  
 Don D Rice Providence Upgraded Tech Plus to General  
 Bart W Holmes Vernal New Technician  
 Chad E Jacobsen Washington New Technician  
 Karsten A Sorensen Logan New Technician  
 Kimberley Taylor Providence New Technician  
 Charles D Horn Pleasant View New Technician  
 Richard W Worley Petersboro New Technician  
 David B Buttars Park City New Technician

Jack Vetterli Salt Lake City New Technician  
 Gary Vetterli Manti New Technician  
 Darin M Dickson West Jordan New Technician  
 Alyson A Collings Provo New Technician  
 Patrick C Ekman Pleasant Grove New Technician  
 Denise K Moody Payson New Technician  
 Clayton R Southam Payson New Technician  
 Jeffrey M Thompson Murray New Technician  
 Eric M Watkins West Jordan New Technician



Photos: Chuck Johnson, WA7JOS



Photos: Chuck Johnson, WA7JOS

And speaking of Honor Rolls, Gordon Smith, K7HFV, was honored with an Elemer Award at the October meeting for his tireless contribution to UARC and to Amateur Radio..

### UARC 75<sup>th</sup> Anniversary Special Event Station

Did you know that this is UARC's 75th year of existence? The Utah Amateur Radio Club was formed in 1927 and we still have the minutes from the very first meeting. What better way to celebrate than a special-event station, especially after the success of our winter olympic station earlier this year?

Current plans call for a station to operate under the club's W7SP call from President Mark Richardson's QTH, which was also the home of the Olympic Special Event station.

Date for the event is **Saturday, November 9** (provided we don't find a conflict with a major contest or other operating event). It will run from 1500Z on the 9th (that's 8 A.M. MST) through 1500Z on the 10th.

Operators will be needed, so mark the date on your calendar. It's a lot of fun to be on the receiving end of a pileup and Mark's station is the kind that can generate a lot of pileups. Watch for more information

From the UARC website at  
<http://www.xmission.com/~uarc/announce.html>.

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