12/01

UARC Nominations 2002

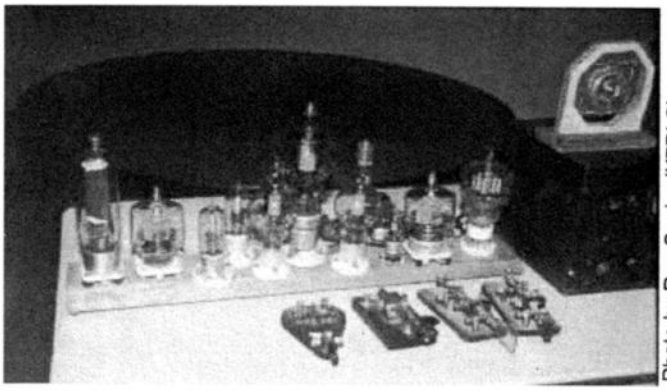

Photo by Ron Speirs (K7RLS)

Photo by Ron Speirs (K7RLS)

Photo by Ron Speirs (K7RLS)

December's Member of the Month, Woody (W7KOP) and some of his radio collection.

Volume XLV Issue 11, December 2001

The MICROVOLT

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7546 S. Uranium Dr.
West Jordan, UT 84084

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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 St. Salt Lake City, UT 84115. Periodicals Postage Paid at Salt Lake City UT. POSTMASTER: Send address change to "*The Microvolt*" 7546 S. Uranium Dr., West Jordan, UT 84084

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
Exec VP: Dave Player, KC7NGH	561-2585
Vice Pres: Gordon Smith, K7HFV	582-2438
Secretary: Gregg Smith, K7APW	255-0344
Treasurer: Chuck Johnson, WA7JOS	268-0153
Microvolt Editor: Tom Schaefer, NY4I	501-0899
Asst. Microvolt Editor: Bruce Leonard, KJ7HZ	576-9162
Program Chair: Linda Reeder, N7HVF	364-7006
Program Chair: Ron Speirs, KC7MYS	968-4614
Imm. Past Pres.: Maurine Strektenfinger, K7HOZ	254-1536

Committee Chairpersons and Members

Book "Lady": Fred DeSmet, KI7KM	485-9245
Historian: Ron Speirs, KC7MYS	968-4614
Field Day Chair: Gary Openshaw, KC7AWU	484-3407

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

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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 □

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The Microvolt

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

Volume XLV, Issue 11 December 2001

QST From the Prez

As this year draws to a close, it is good to look back to see if we have met our goals of providing interesting meetings and activities for club members. It is difficult for any board to meet the needs of the club members since we range in experience from the brand new ham to one has been on the air for sixty years. We have tried to provide a mix of programs that would interest old and new hams. We tried to continue the emphasis on increasing the club members' knowledge of the technical aspects of the hobby. When Tom Schiller flew in from California to speak to us about antennas, I felt he provided information for the old and new hams.

Even though many members thought the video tape on grounding presented by Polyphaser was too technical, if we are not challenged we don't continue to increase our knowledge. When I was first getting into ham radio I remember reading the ads in QST and not having a clue about what some of the equipment was, or what it did. As my knowledge continued to expand, I got a lot of good information out of those ads. The presentation on feed lines gave me a much better understanding of what the antenna tuner was doing in relation to my antenna, even though I had been using a tuner for years. That presentation made me a more knowledgeable operator.

I feel that the club is making an effort to introduce new hams to the varied aspects of the hobby by our emphasis on the beginner stations at Field Day. We had a successful Field Day, and we actually got an article in the Salt Lake Tribune this year about the event! Bringing new hams into activity in the club will continue to bring new ideas and talents. The new board which will be elected this December should include a number of members new to the board. The slate of officers who have agreed to serve is outstanding, and if elected will bring new enthusiasm to our activities. We know there are many other members who have many talents who could successfully serve on the board. If you or someone you know wants to serve, nominations will be open before the final voting in December. When the new officers are elected, be sure to give them input as to the programs that you would like to see happen in the club, whether it be topics for programs, new ways to do Field Day, Steak Fry, or whatever.

I would like to personally thank all the people who have made UARC a success this year. The board has done an excellent job, and has made my job easy. There are many who come early to the club meeting to set up chairs and see that things are ready for the presentation. They may not be officers of the club, but they are vital to successful club meetings. Special thanks to Ken Imber KI7SLC who brings his service monitor to the club each month to allow hams to check out their radios to see that they are performing at their optimal levels. Also, special thanks to Dave Player, KC7NGH, who stepped in for me when I was not been able to attend club meetings or board meetings because of a recent surgeries. I won't attempt to thank all the other board members individually, but I hope they know that they have played an invaluable role in keeping the club moving forward this year.

I am looking forward to another interesting year in the club, and hope to work you on the air sometime.

73, Dick Abbott, K7MZ

Featured Member of the Month

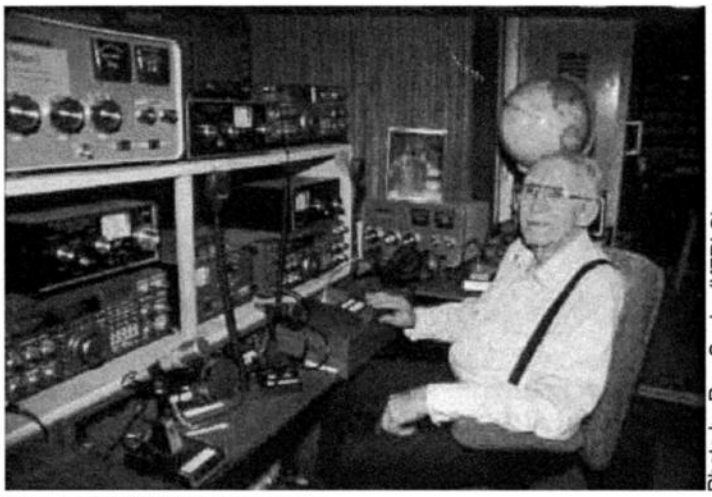

Photo by Ron Speirs (K7RLS)

Woody (W7KOP) in his shack

This Month we are featuring Leonard "Woody" Woodward W7KOP. Woody, age 90, has three children; two boys and one girl who are grown now. His wife Rhoda passed away 14 years ago. Woody is the only ham in his family. He has been in amateur radio for 80 years. He received his first license at age 9 in 1919 on the 8th of May from the Department of Commerce. The FCC hadn't been established yet. Woody was living on a farm in Kansas at the time. His school friend Kenneth Kimball invited him over to his house to see his station. Kenneth had one of those spark transmitters and a home made receiver. Woody went to the library in Coffeyville, Kansas and checked out the only radio book they had called "Radio For Everybody." Woody had an *elmer* who was a ham and owned a Indian Motorcycle shop. His name was Bob Mc Coulah and he had a station set up in his shop. Bob helped Woody study and wrote up all of the questions and answers that would probably be on the test. When Woody was ready to take the test they had to send a request to the Department Of Commerce in Nashville, Tennessee. One licensed amateur radio operator was allowed to administer the test. After Bob gave Woody the test they had to seal it in an envelope and send it back and "wait and wait and wait" for the results. The results finally came and Woody passed the test. His first call sign was 9LW. Back in those days the license had a number followed by letters and Kansas was in 9-land back then. Woody said that after World War I they wanted to do away with the amateur band which was 160 meters that was the only band they had at that time. They were rescued by the Navy. The Navy told them if it weren't for the amateur radio operators they wouldn't have had anyone to operate their radio equipment.

During World War I, Woody worked as an engineer in a refinery in Rawlins, Wyoming where he became ill with hydrocarbon poisoning. So he sold his ranch in Wyoming and moved to Utah. Woody was a professor at BYU in the chemistry department for 20 years. Woody's house is like a museum. He has all kinds of old radio equipment just like Mark Richardson W7HPW. In fact, Woody sold Mark some of his smaller transmitters. Woody helped Mark install that huge transmitter that takes up the whole wall in his basement. In the 60s, Woody helped install transmitters in trade schools and that is where this transmitter that Mark has use to be. In fact, that was the very one that Woody installed so many years ago. Woody is a member of UARC, ARRL and The Quarter Century Wireless Association, (QCWA) and was the president of the Utah chapter of QCWA for two years.

Woody's favorite thing about amateur radio is building equipment. Woody, thanks so much for sharing with us how it use to be in the world of amateur radio in the good old days.

73 Linda Reeder, N7HVF

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Bob Wood W7OAD, UARC Member

73 from the Editor

Another year has come and gone and it is time for the Editor to move-on. It has been educational doing the Microvolt this year. I am also glad I was able to put the Microvolt back on the website in PDF. I trimmed the size and contributed to the club's bottom line. I hope I have kept the Microvolt interesting. Thanks to the regular contributors, Dick Abbott, Linda Reeder, Gordon Smith, Ron Speirs, and to Bruce Leonard for mailing the things each month.

73, Tom, NY4I

UARC 2002 Office Nominees

President
Mark D. Richardson, W7HPW
11361 So. 5825 West
Payson, Utah 84651
465-7650
No Statement Available

Executive Vice-President
Brett Sutherland, KC7WRR
860 W. 1500 South
North Salt Lake, Utah 84087
298-5399
No Statement Available

Vice-President
Gordon Smith. K7HFV
632 S. University Ave
Salt Lake City, UT 84102
534-8116
No Statement Available

Treasurer
Chuck Johnson, WA7JOS
1612 W 4915 South
Taylorsville, UT 84123
268-0153
I have been UARC treasurer for the past 6 years and would be pleased to continue in that position. It's a fun job, and I get to spend someone else's money!

Secretary
Gregg Smith, K7APW
7546 South 2030 West
West Jordan, UT 84084
255-0344

No Statement Available

***Microvolt* Editor**
Bruce Bergen, KI7OM
3543 Fieldstone Circle
Salt Lake City, Utah 84121
943-1365
A few years ago in a QSO with one of the editors of CQ I was referred to as a "retread" - I was first licensed some 43 years ago and only nine years ago "found my way back". I have found my past service to the members of UARC to be extremely gratifying and especially enjoyed editing and producing The Microvolt in 1998 and 1999. My acceptance of the nomination though this year is with the provision that I have a real Assistant Editor, who writes and edits, and who will make my job a good deal less time consuming. I appreciate Ted Cowan's, KC7PM, willingness to take on this new roll. Ted will serve with me in an appointed Assistant Editor position until the UARC Bylaws can be amended to reflect the need for two people actively editing and another who handles the mailing.

Of course, without the willing contributions made by the many talented members and friends in our area it would not have been possible. It is my hope that everyone at sometime will try their hand at writing something about the hobby to share with the rest of us. I am more than willing to help anyone who is willing to give it a try, and if they would like, help put their thoughts into an interesting and understandable form. Since UARC is intended to be a "general purpose" Amateur Radio Club it is my intention that *The Microvolt* reflect this purpose and provide a forum for ideas and activities of all aspects of Amateur Radio. I hope to provide something of interest for all levels and at the same time challenge your knowledge and thinking

Assistant *Microvolt* Editor, Editorial
Theodore A. (Ted) Cowan, KC7PM
1889 E. Foxmoor Place
Sandy, Utah 84092
576-9942
I've been a ham since 1979, first licensed as a Novice after completing a novice class sponsored by UARC. I received my Extra class license in 1982 at the FCC field office near Denver. I remember celebrating my upgrade by dancing on the hood of my rental car! Over the years, I've been involved in packet radio, mobile hamming, and emergency communications. I've been a member of UARC for many of the last 20 years, and I am honored to be asked to help out with the newsletter. UARC is one of the oldest and largest ham radio clubs in the country, and if elected, I look forward to serving on the *Microvolt* editorial team. If Amateur Radio is happening in Utah or UARC is involved, we should read about it in the *Microvolt.*

(Nominees continued from previous page)

Assistant *Microvolt* Editor - Postal

Bruce Leonard, KJ7HZ
1434 E Jacob Road
Sandy, UT 84092
576-9162

Hi, my name is Bruce Leonard - KJ7HZ - and I'm running for Asst. *Microvolt* Editor. My main qualifications for this position is that I have 'had' this position for the past two (2) years and I now know how to deal with the Post Office! You wouldn't believe the stuff you have to do for them in order to send out the *Microvolt.* :-) Seriously, I running again for this position because I do enjoy it and working with the board. A bit of my background is that I was licensed in 1994 as KC7FZE (five zillion electrons) and have now acquired my Extra Class ticket as KJ7HZ (Hertz-Man). Who gave me that name? Not sure, but it stuck. I enjoy 2 meters along with the HF bands and really like PSK31. Other hobbies (when not engaged in ham radio) are fly fishing, camping, boating and dutch oven cooking....not necessarily in that order. I won't make this bio that long since you probably read the same basic thing last year. :-) Thanks for you vote...

Program Chair (2to be elected)

Steven R. Baxter, K7SRB
6273 S. Sandwedge Circle
Murray, Utah 84123
265-9655

No Statement Available

Lauri M. McCreary, K7LMM
1863 E. 10980 South
Sandy, Utah 84092
571-5759

Reasons for running for an office:
I am concerned about three aspects of the future of amateur radio:
(1) Recruitment of new hams to take the place of the older generation. I read somewhere that the average age of the amateur radio operator is steadily rising. This indicates that there is not enough younger hams taking their place.
(2) Potential loss of spectrum. Ted told me that an FCC official told the audience at Dayton this year that the commercial value of the amateur radio spectrum is between $2-$3 billion. When the spectrum is unused or used inappropriately, the hobby becomes vulnerable to losing frequencies.
(3) Antenna erection restrictions. Hams cannot fully use their assigned bands without proper antenna equipment. Reasonable accommodation is important to the continuation of the hobby.

I further believe that the club needs to be looked at from the outside in. As a new ham and a newer member of UARC, I have an unbiased perspective. I firmly believe that a by-laws subcommittee needs to be formed to rethink and rewrite the club by-laws. For example: We need a Public Information Officer to interface with the press. We also need an Education Chairperson to organize (not necessarily teach) new ham classes and ticket upgrades. Also to organize classes to introduce "old" hams to new modes/bands/activities.

Linda Reeder, N7HVF
409 6th Ave #1
Salt Lake City, UT 84103
364-7006

I really enjoy helping plan interesting speakers for our club meetings. I know that you can't please everyone all the time but I try to get guests that cover every facet of amateur radio. I am always open for ideas and I welcome calls from anyone any time to tell me what they would like to have their club meetings. After all it is their club.

Utah QSO Party/Olympics QSO Party

sponsored by the Utah DX Club, 0000Z Feb 9 until 0000Z Feb 11. Single op, multi-single, mobile. 160 80 40 20 15 10 6 2 meters. Send QSO number and UT county. If you're outside of Utah, send signal report and your state/province/DXCC country. Single operators are limited to 24 hours. Single operators and multi-single are limited to one transmitted signal at a time. CW QSOs must be made in CW sub-bands, except on 160 meters. Work stations once per band/mode, work UT stations again as they change counties. A UT station on a county line counts for 1 QSO but multiple counties. CW -- 1.805 and 40 kHz up; phone -- 1.850 3.850 7.230 14.250 21.300 28.450; Score 1 pt/QSO on phone and 2 points per QSO on CW. Final score is QSO points × UT counties (max 29). UT stations multiply by states and VE sections (max 58). Awards. The Utah DX Club requests that all logs be sent via email. You can also reserve your county by emailing uqp@vcr.com. Website: www.vcr.com/uqp

eQSL - The Final Courtesy

by Dave Morris, N5UP, Founder and Webmaster, eQSL.cc

The world's first and only eQSL exchange center, www.eQSL.cc, started the year 2001 with a bang. Only a few weeks earlier, on the first of December, it had blown through the 1 million card mark, and now 2 million cards were in the central database. But instead of slowing down, the rate increased as thousands of eQSL cards were uploaded every hour. The eQSL.cc site was launched in April of 2000, and included about 1500 hams who had been part of an earlier experiment in an electronic QSL card exchange. The "big" idea was that eQSLs should not be sent around from person to person via e-mail, but should be available at any time through a web-based exchange system and a central database. Other concepts using e-mail or by posting one stock QSL card on a web page and calling it an eQSL were not satisfactory, because security could not be guaranteed, e-mail addresses had to be looked up, and the sender had to laboriously design his QSL card using graphic design software. So, we used our 25 years of software development and database design experience to develop a site where each user could guarantee his identity with a scanned image of his ham license, could lay out an eQSL card design using simple point-and-click forms, and could upload logbooks either one-at-a-time, or by uploading an entire ADIF format log file at once. The concept is such a breakthrough, we have patents pending on its technology. To retrieve one of these eQSL cards, the recipient only need enter the callsign, date, and band of the QSO he wants to retrieve, and if the other ham has entered that QSO into the system, up pops the complete eQSL card, ready for printing on a local printer. Furthermore, if the recipient registers his callsign with us, he can get a listing of all incoming eQSLs, and can just point and click to print each card received. Sending a reciprocal card back is a matter of clicking a button! Apparently, most everyone else thinks this is the right way to do it, too. Another six weeks after hitting the 2 million card mark, it appears the number of cards will double again to 4 million. Many of the members of the eQSL.cc site are using stock images for their eQSL card designs. But since it is possible to upload a graphic image to use on one's card, there are many custom cards online as well. Users are signing up from over 180 countries all over the world. In many places, a stack of 500 traditional QSL cards might well cost the average ham operator and entire year's salary. On eQSL.cc, 500 beautiful full-color cards can be sent for free! In an era when "dot coms" are failing left and right, it is noteworthy that the eQSL.cc site, which is supported almost entirely through voluntary donations, has been operating in the black since Day One. Since the site runs virtually without any human intervention, the only ongoing expenses are for development of new features, and for continually increasing disk space, processor power, and bandwidth. A small amount goes to answering the questions and suggestions that come into the webmaster's office by e-mail. In most cases, replies are returned within the same day. Not everyone agrees that eQSLing is the way to go. Some people like to get their hands on that stiff cardboard with the exotic stamps that spent months in transit from the jungles of some island that is only above water for 3 weeks out of the year. Others are bothered that some amateur organizations still have "no electronic transmission" clauses in the rule books for their awards. Others still are spooked by the privacy issues that this interconnected new world brings up. But it's very difficult to argue - as the saying goes - with success. And 4 million cards is success by anyone's measure. At the present growth rate (with the number of eQSLs doubling every month), eQSL.cc could be home to virtually all of the world's amateur radio operators within a couple of years. Contest "big guns" will be able to "QSL 100%" within a matter of minutes, saving hundreds of hours of time and thousands of dollars in the process. DXpeditions will be able to "QSL 100%" on the spot, whether it be from that desert island with a dial-up Internet connection, or when the crew gets back to "civilization". It's just a quick log file upload, and they are done! And eQSLs, unlike their traditional cardboard counterparts, can be verified through automated computer interfaces by amateur organizations wanting to validate award and contest submissions. The presence of a scanned license image on file for each user goes way beyond the simplistic checking that is possible using the older traditional QSL cards. And now eQSL.cc is also a favorite site for SWLs, because users can identify themselves as either licensed amateur operator, or SWL. The eQSL cards between SWLs and hams are automatically configured to contain proper SWL phrasing, making their lives easier and saving them tons of money. Complex systems shouldn't be designed in a vacuum, so we have assembled a capable group of hams and SWLs into an Advisory Board. Among these advisors are users with satellite and DX experience, contesting backgrounds, and international origins, as well as technology gurus and people with long-term operating histories. This group discusses current issues and future development plans for the site on a daily basis. Just another feature of the interconnected world we have entered as the 21st Century dawns. There were nay-sayers when SSB first began to push CW aside. There were those who thought packet radio was just a short-lived fad. Others thought we shouldn't be wasting money on amateur satellites. And some people think eQSLs are "not natural". But for tens of thousands of hams and SWLs who upload their entire logbooks nightly in an effort to live up to the "100% QSL" promise of amateur radio, the final courtesy of a QSO is an eQSL.

(*Reprinted with Permission of Eqsl.cc)*

December 2001 Meeting

The final UARC meeting for 2001 will be held on Thursday, December 6. It will feature election of officers for the coming year.

The November meeting included nominations. The choices of the nominating committee were presented and nominations were accepted from the floor. The nominations that currently stand are:

President: Mark Richardson, W7HPW

Executive

Vice-President: Brett Sutherland, KC7WRR

Vice-President: Gordon Smith, K7HFV

Secretary: Gregg Smith, KD7APW

Treasurer: Chuck Johnson, WA7JOS

Program Chairpersons (Two to be elected)

Steve Baxter, K7SRB
Lauri McCreary, K7LMM
Linda Reeder, N7HVF

Microvolt Editor: Bruce Bergen, KI7OM

Editorial Assistant: Ted Cowan, KC7PM

Assistant Editor: Bruce Leonard, KC7HZ

The "Editorial Assistant" position is new. The Editor's job is large enough that it was thought beneficial to have another person share the responsibility. The Editor and Editorial Assistant will run as a "package." The Assistant Editor will continue to do the job of interfacing with the post office. That includes labeling, bagging, mailing, and the record-keeping required by the post office.

At the December meeting, nominations will again be accepted from the floor. One requirement of any prospective nominee, however, is that he has agreed to run prior to his nomination. The nominee, of course, must be a UARC member. Members are encouraged to look for likely candidates prior to the meeting and see if they would be willing to run.

The December meeting will include another program feature in addition to the elections. The details are still being worked out. One possibility is a panel of experienced hams who would (hopefully) be able to answer questions from the audience. Watch this space for details when available.

The meeting will be Thursday, December 6, at 7:30 P.M., at the Infinia Medical Center, 1255 E. 3900 South.

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;
- 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

Member's For Sale Items

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For sale items are accepted from UARC members and published on a space available basis.

Examination Schedule for December

12/1/2001 (Sat.) Salt Lake City
Contact: Gordon Smith. K7HFV
Phone (801) 582 2438

12/08/2001 (Sat.) Logan
Contact: Clyde A. Best, AC7KN
Phone:(435) 563-9492

12/12/2001 (Wed.) Mantua
Contact: Jim Jones, KJ7VO
Phone (435) 723-1947

12/19/2001 (Wed.) Provo
Contact: Steve Whitehead, NV7V
Phone: H (801) 465-3983

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