



**The Real McCoy (KC7AWW)
(See Page 4)**

Volume XLIV Issue 9, October 2000



**The
MICROVOLT**

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Prologue

UARC 2000 Board

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 Bonneville 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, KD7APW, 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 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 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 available to UARC members. 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, testing, meeting, 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 the 10th of each month prior to publication. Submissions by email are preferred (wmgooch@concentric.net), but other means including diskettes and typewritten submissions can be mailed directly to: Manford Gooch, 6344 S. Shenandoah Park Ave., Holladay, UT 84121. 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, 84084-3942.□

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Historian: Ron Speirs, KC7MYS	968-4614
Field Day Chair: Open	

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 late breaking news listen to the UARC Information Net Sundays at 21:00 on 146.62 or set your browser to:

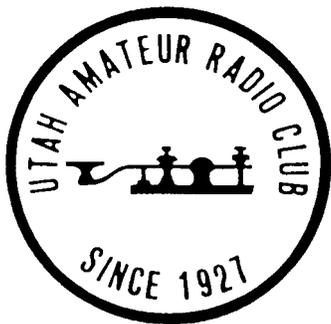
www.xmission.com/~uarc/announce.html □

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The Microvolt

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

Volume XLIV, Issue 9, October 2000



QST FROM THE PREZ

I was very impressed with Chuck Johnson's article in the September *Microvolt* entitled, "GET INVOLVED". If you haven't read it yet, do so -- it is excellent.

This month I would like to talk about another way to get involved.

Running for office can be very rewarding. You get to know so many great people and also feel like you are doing something for UARC, and amateur radio in general. You will learn first hand, as I have, how much goes into the running of this club and its repeaters.

The people I have had the opportunity to serve with over the last four years have become wonderful friends, and I am sure they will remain so throughout my life. Some of you may think this would be a huge job, and that it might take too much of your time, but when each member of the board does his/her job, things go very well. This has been the case, for the most part, as long as I have

served in various positions.

Now it is your turn to have fun. The Board positions are as follows: President, Vice President, Executive Vice President, Secretary, Treasurer, *Microvolt* Editor, Assistant *Microvolt* Editor, and 2 Program Chairmen/Chairwomen.

If you enjoy coming to the meetings and being involved in the hobby, this may be for you. Please think about it. Nominations are in November, and elections are in December. Please contact me if you are interested.

See you in October for another great meeting. Homebrew! Everyone enjoys that. I know the homebrew meeting is usually in November, but this year it will be in October. We will also see the slides from Field Day 2000 !!! That will be great fun.

73'

Maurine Streckenfinger□



The Prez Sez

October Meeting: Homebrew Night

Homebrew night is coming! Thursday, October 5, will be the night of the annual display of

home-built equipment. If you've built an electronic project that can be used in amateur radio, bring it along. You will have a chance to show off its features and tell everyone what it does and how it does it. Each entrant will have several minutes to describe his/her project (the exact time depending on the number of entries) before the bell rings.

This is one of the most popular meetings of the year. Even if you don't have a project to show off, be sure to come out and see what others have been doing. It might give you an idea for the next project of your own. We will have the inimitable John Bradshaw, KA7TGR, hosting the event, assisted by Eugene and Carol McWherter (N7OVT and KC7LLW).

There have been some items entered in the past that were not really homebrew equipment. John tells us he is going to be a bit more fussy this year about entrants actually having equipment in hand. You must have a real physical piece of equipment, not just some ideas on how you *would* build something if you were to do so. If the item is too big to bring in (e.g. your 160-meter beer can beam), then some good pictures and documentation will suffice. Keyers, battery chargers, linear amplifiers, speech processing units, QRP transmitters, and power supplies are good examples of useful homebrew projects.

An added treat this year will be a slide show of UARC's 2000 Field Day activities, showing slides taken by Ron Speirs, KC7MYS. Of course, there will be the "standard" features of monthly meetings as well:

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

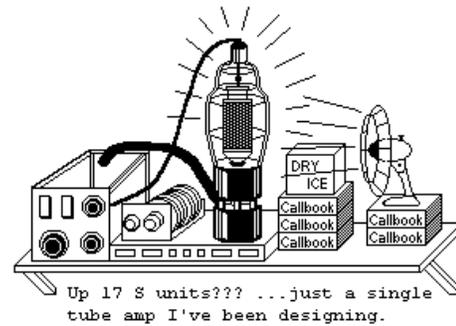
A chance to sign up for badges, hats, and jackets;

The "Elmer Hour," a chance 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.

Thursday, October 5, 7:30 P.M. Don't miss

it! Check page 2 for more meeting place and time information.□



[In the last issue, for reasons much too complicated to detail here, the photos which accompanied the Member of the Month feature were not those of the member whose biography appeared. Your editor did not catch the error because he does not have the honor of knowing either individual. In order to right this wrong, the biography is herein repeated along with appropriate (hopefully) photos. This month's Member of the Month follows -- also with, hopefully, appropriate photos. All photos are courtesy of Ron Speirs KC7MYS. -Ed.]

September Member of the Month

This month we are featuring Myron Rasmussen, KC7AWW. Myron has been in amateur radio since 1994. He has his technician license and says it is his goal to upgrade this year.

Myron was a radio repairman for aircraft in the Air Force for 8 years. He knew a lot of hams who served in the Air Force, and that stimulated his interest in amateur radio; but it wasn't until years later that his assistant scout master David Nelsen, KB7ZLN, convinced him to get into the hobby. David told him that it would be useful in scouting to help him keep track of the kids.

Myron prepared for his licensing examination by taking a MARA class, but he also studied on his own, and then he traveled to Provo and passed his first amateur examination.

Our featured member played a very important role in Field Day this year -- he was the logistics officer. He was in charge of all of the materials that were needed to get the stations up and

running. He was also in charge of the porta-potties.

Myron got on the worldwide web and typed in porta-potties.com and found the companies that covered the Utah area. He found a company in Richfield that would deliver and pick them up when we were finished. What was really interesting about this was that they were cheaper than the amount UARC was paying another company that UARC had dealt with for years with no delivery and pick-up service. His efforts not only cost the Club only 185 dollars plus tax, they also provided an answer to that dreaded question at the board meeting every year: "Who can we get to bring the porta-potties?" Myron says that Field Day was easy, because of his heavy involvement in scouting - it was just like getting ready for scout camp.

Myron's favorite aspect of amateur radio is emergency preparedness. He is a member of MARA, UARC, and the VHF Society.

He has worked for the telephone company for many years, and he is a computer technician for US West -- now called Quest. Myron and his wife Jolene have five boys. Jolene is a member of UARC also, but she doesn't have her license yet. Myron hopes that she will soon.

Myron, thanks for all of your help with Field Day this year, and I wish you the best in getting your upgrade. 73,

N7HVF, Linda Reeder ◻



KC7AWW

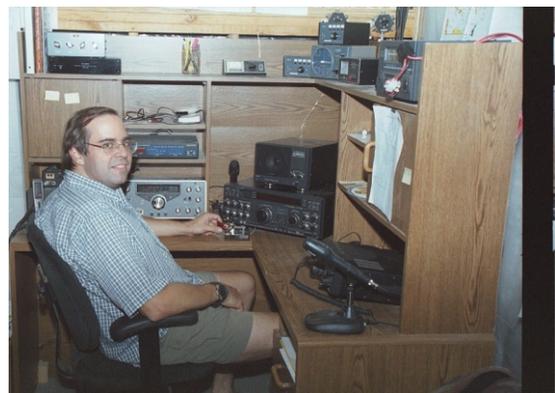
October Member of the Month

Our Member of the Month is William Ralston, N7VM. Bill was licensed at age 16 as WN6KHB. He started out rag chewing on HF, then got into message handling. After he got his code speed up, he got into contesting. Contesting is Bill's favorite activity, and he has two Top Ten finishes in the US in CQ worldwide contests.

In the last year he has done a lot of VHF mountain-topping in which he picks a high peak, sets up his station, and operates with portable 70 cm, 2 m and 6 m antennas.

His equipment includes a Yaesu FT-1000 for HF, a TenTec Omni D used mostly for HF CW, and a Yaesu FT-847 to cover HF and 70 cm, 2 m and 6 m.. On his roof are beams for 70 cm, 2 m, 6 m, an HF Tribander, and wire dipoles for 80/160 m and 40 m. He also has a trapped vertical for HF on a small hill in front of his house. His location in the Rose Canyon area in the foothills of the southeast corner of the valley offers an attractive site for his present and future planned antennas."

Ron Speirs, KC7MYS ◻



N7VM Inside and Outside

FCC TURNS DOWN CB DX PETITION

The FCC has denied a petition that would have amended the FCC's Part 95 rules to permit DXing on the 11-meter Citizens Band. The petition sought to amend 95.413 of the rules that prohibits communications or attempts to communicate with CB stations more than 250 km away and to contact stations in other countries.

Designated RM-9807, the petition was filed by Popular Communications Contributing Editor Alan Dixon, N3HOE.

"Dixon's request is inconsistent with the purpose of the CB Radio Service and could fundamentally alter the nature of the service," the FCC said in turning down the petition.

The FCC action was adopted August 18. The order was released August 21.

The FCC said CB operators generally supported the proposal and stated that the present rule was unenforceable. The ARRL commented in opposition to the petition. "The Amateur Radio Service is the proper forum for the desired long-distance communications sought by the Dixon petition," the League told the FCC.

The National Association of Broadcasters also opposed Dixon's petition. The NAB said that the restriction was necessary to deter CBers from operating at excessive power levels and that consumers must be protected from illegal CB transmissions that interfere with radio, TV and other consumer electronics.

The FCC agreed with the ARRL and said it did not intend to create a service paralleling the Amateur Service when it authorized the Citizens Radio Service. "Amending the rules to permit long-distance and international communications would undermine the purpose of the CB Radio Service rules and compromise one of the core distinctions between the CB Radio Service and the Amateur Radio Service," the FCC concluded.

Arrl Newsletter □

CALIFORNIA PRB-1 BILL HEADED FOR GOVERNOR'S OFFICE

California's PRB-1 bill, SB-1714, has passed both houses of that state's legislature. The measure now goes to Gov Gray Davis for his signature.

SB-1714 cleared the California Assembly on August 18 and the California Senate on August 22, when the upper chamber agreed to several amendments. The Senate initially had approved the bill three months ago. The bill won final Senate passage on a 39 to 0 roll call vote, with 1 abstention.

Amateur Radio operators in California are being urged to write the governor to encourage him to sign the measure into law. Davis has until September 30 to sign the bill. SB-1714 would incorporate the essence of the limited federal preemption known as PRB-1 into California law.

SB-1714 would require any ordinance that regulates Amateur Radio antenna structures to "reasonably accommodate amateur radio service communications" and "constitute the minimum practicable regulation to accomplish the legitimate purpose of the city or county."

Unlike PRB-1 bills in other states, the current California measure carries a price tag of between \$70,000 and \$100,000 to fund studies and a model ordinance that the lawmakers required. As approved, the bill requires the legislature's Office of Planning and Research to prepare and publish a technical assistance bulletin for local officials to use in drafting amateur antenna ordinances. It also requires the planning and research office to prepare and publish a model antenna ordinance that municipalities could adopt. For both endeavors, the bill specifies that the Director of the Office of Planning and Research consult with the ARRL and the FCC, among other organizations and individuals. SB-1714 also requires a report to the legislature and the governor on any recommendations for changes to state law regarding state or local regulation of Amateur Radio antennas.

The three steps are to be completed by next

July 1.

In his Pacific Division Update newsletter, ARRL Pacific Division Director Jim Maxwell, W6CF, notes that Gov Davis "pays close attention to the cost of legislation." He said amateurs will need to work hard to "convince the Governor that it is in the best interests of the citizens of California for him to sign SB-1714."

Letters to Gov Davis may be sent via e-mail to graydavis@governor.ca.gov; fax to 916-445-4633, or via the US Postal Service to Gov Gray Davis, State Capitol Building, Sacramento, CA 95814.

Details on the bill itself can be found at <http://www.leginfo.ca.gov/>. Click on "Bill Information," enter "SB-1714" in the "Bill number" search field, and click "Search."

ARRL Letter □

It's All About People

Recently I made a trip down to southern Utah to pick up our family owned classic race car and bring it back to Salt Lake for a marathon of car shows we had been invited to. Along the way, in the dark hours of early morning along I-15 on the desolate strip between Beaver and Cedar City, I was enjoying the solitude that I so much relish, (I love taking fishing and camping trips by myself) when a feeling of isolation and loneliness came over me.

Just then, the orange glow of the readout on my ICOM 2340H reassured me that help (in case of mechanical failure, accident, or whatever) was only as far away as my microphone. That got me to thinking. That radio hanging there under my dash was only going to be of help if there was someone else out there in the ether that could hear me.

Five years ago when I got my ticket, I thought ham radio was all about electronics, knobs, dials, switches, antennas, and radio lingo. But over those five years I've meet hundreds of people, made dozens of new friends, some of which have become very close friends, and I've found that without PEOPLE there could be no ham radio.

That's what it's all about -- people working and communicating with other people.

Over the years I've been introduced to bicycle races, ham fests, field day activities, emergency communications, satellites, DXing, and HF radio which open up the entire world right from your shack or the driver's seat of your car -- things I never had imagined would be part of my life are due to amateur radio.

I've heard many times that there are many facets of ham radio. Something for everyone and every interest. But none of them, not one, can happen without people.

There are many pastimes -- golf, fishing, stamp collecting, etc -- that one can pursue that really don't involve other people; but ham radio is not one of them, and I think that is what makes this hobby so enjoyable and rewarding. If you can't work with and get along with others, then there isn't much worth living for. That's what life is all about -- PEOPLE.

73,

Dave Player, KC7NGH □

Stand Up and Be Counted

In the next few months, UARC will be asking for members to consider either seeking an office on the UARC Board or helping find members who might be interested in serving on the UARC Board of the year 2001.

As you do this I thought I would give an explanation of each office as I see it. There may be something I have omitted, but I hope I have most of it here.

PRESIDENT: The President oversees all aspects of UARC. This office requires a person that has been a member of the club for at least one year. It would be helpful for this person to have served on the UARC Board before in some capacity, but is not required. The President makes sure that UARC activities are carried out and that the UARC Board are fulfilling their responsibilities. The President also conducts the UARC meetings every month, (except July and

August), and conducts the Board meetings every month -- usually on the second Thursday of the month. UARC has had very excellent Presidents in the past, and would like to keep this tradition going.

EXECUTIVE VICE PRESIDENT: Assumes responsibility when the President is unavailable. Oversees Steak Fry and usually oversees the dinner at Field Day. Attends UARC Board meetings and UARC meetings. This person performs other miscellaneous duties as assigned by the President.

VICE PRESIDENT: Assumes responsibility when the President and Executive Vice President are unavailable. In charge of the Test Session every even month on the first Saturday of that month. Oversees the paper work of the test session and is accountable to see the test session is run properly. Serves on the repeater committee and oversees their operation to assure that the repeaters are running properly. Attends UARC Board meetings and UARC meetings. This person performs other miscellaneous duties as assigned by the President. Gordon Smith has fulfilled this responsibility for many years and has done a super job.

SECRETARY: Responsible for the Club's membership. Accepts dues from members and keeps track of the database of the membership. Attends UARC Board meetings and UARC meetings. Computer Knowledge is recommended. This person performs other miscellaneous duties as assigned by the President. One of the busier jobs on the UARC Board, but very rewarding to do. This year Gregg Smith has also accepted ARRL dues for members and has been responsible for paying those dues also, which is a benefit to UARC.

TREASURER: Responsible for the money the club receives and pays out. Pays all bills the club generates and handles the checking account of the club. Reports on the club's assets and liabilities. Computer knowledge is recommended. Attends UARC Board meetings and UARC meetings. This person performs other miscellaneous duties as assigned by the President.

MICROVOLT EDITOR: Responsible for obtaining and editing all articles and for the Microvolt and putting the Microvolt together for print. Also delivers it to the printer and makes sure it is on time. This is a huge responsibility, because

you do have a deadline each month. Recommended to have computer knowledge and editing skills. Attends UARC Board meetings and UARC meetings.

ASSISTANT MICROVOLT EDITOR: Responsible for the mailing of the Microvolt each month. Responsible to obtain the Microvolt and labels from the printer and for attaching labels to Microvolt and sorting them for the Post Office and mailing them. Attends UARC Board meetings and UARC meetings. This person performs other miscellaneous duties as assigned by the President.

PROGRAM CHAIR PERSON(S): There are two Program Chairpersons who plan the programs each month. Also, this year they oversaw Field Day. Attends UARC Board meetings and UARC meetings. This person performs other miscellaneous duties as assigned by the President.

. The above offices are the people who have a vote and ultimately make the decisions for the Club.

There are other people who also fulfill many responsibilities for UARC, but who do not hold an elected position. Service is always needed, and UARC can use anyone who would like to serve, but who may not want to serve in a Board Capacity.

If you are interested in helping the Club for the coming year, please contact the President, Maurine Streckenfinger, at 254-1536, or E-Mail her at morlite@morlite.com.

Thank you and 73,

Gary Openshaw, KC7AWU



PHASE 3D LAUNCH CAMPAIGN UNDER WAY

The launch campaign for the next-generation Amateur Radio Phase 3D satellite has begun at the European Spaceport in Kourou, French Guiana, where the satellite has been in storage since spring. Phase 3D is tentatively set to go into space aboard an Ariane 5 rocket no earlier than November 4. A specific launch date has not yet been announced.

AMSAT-DL Executive Vice President Peter Guelzow, DB2OS, is heading the launch team in Kourou, filling in for Phase 3D Project Leader Karl Meinzer, DJ4ZC. Meinzer underwent surgery this summer and was unable to make the trip to South America. An advance P3D launch team arrived in Kourou September 9, and the group since has swelled to 16.

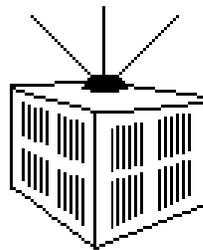
"P3D is doing just fine!" AMSAT-NA President Keith Baker, KB1SF, enthused this week. "Things are going well, and there are no significant issues." Baker said the team's primary task is to coordinate with the launch agency, Arianespace.

AMSAT News Service says the team has pronounced Phase 3D in excellent condition. The satellite's batteries have been recharged, and RF testing of transmitter and receiver systems has gone smoothly. The team earlier carried out propulsion system pressure tests.

AMSAT and Phase 3D officials were encouraged by the September 14 Ariane 5 launch that they'd been keeping an eye on as a bellwether for the next-in-line Phase 3D launch. The Ariane 5 successfully delivered a pair of communications satellites into the desired geostationary transfer orbit after what was called "a spectacular launch" from the European Spaceport.

A launch contract accepting Phase 3D as a payload for the first suitable Ariane 5 launch vehicle was signed last fall. More information about Phase 3D is on the AMSAT-NA Web site, <http://www.amsat.org/>.

LetterARRL □



New Rocky Mountain Division Vice Director

ARRL President Jim Haynie, W5JBP, has appointed Warren G. "Rev" Morton, WS7W, of Casper, Wyoming, as Rocky Mountain Division Vice Director. He succeeds Marshall Quiat, AG0X, who stepped down earlier this summer as vice director for health reasons.

Morton's appointment is effective immediately. He will complete Quiat's term of office, which runs through next year. The ARRL Board of Directors last month elected Quiat to be an ARRL Honorary Vice President.

Morton served two terms as Wyoming Section Manager, from 1993 until 1997. While in that office, he spearheaded the successful effort to enact a PRB-1 bill in his state. (Morton's efforts are detailed in "Wyoming Hams Corral City and County Antenna Restrictions," QST, July 1998.) The bill was signed into law in 1997.

Members may write Morton at 1341 Trojan Dr, Casper, WY 82609, call him at 307-235-2799, or e-mail him at ws7w@arrl.org.

ARRL□

Just Have Some Fun!

Several years ago I decided to upgrade my license. The hardest part for me was becoming proficient at Morse code. I listened to tapes and used the computer software to help me improve my speed. I converted my incoming E-mail to text files which could be used by Morse Academy to send me code. I found that I was obsessed with code practice.

I felt that the speed was not improving fast enough for me. I carried code tapes with me as I

was doing my normal routine. I decided that sending code would help improve my success. I used the schematic in the "Now You're Talking" book to construct a code oscillator. I could have purchased a factory built unit and saved some time, but would have missed out on the fun of building something from start to finish.

I believe that in today's busy world we often choose to reach for our wallets to purchase something ready made, and miss out on the opportunity to learn a new skill and the satisfaction of using our own hands to solve a problem.

The end results of my project is a memory of an afternoon well spent with my soldering gun and an increase of my code speed. But, better than these accomplishments is that Ham radio is supposed to be fun, and challenging. I had fun!

Go out and learn a new concept, or build something, but most of all have some fun.

Gregg, KD7APW□

New Members

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(801) 966-3185

Alia Zundel
2476 W 4500 South
Roy UT 84067
(801) 731-8939

Listen for them!!! □ 1

Amateur Radio News Transmission QRming Aircraft Band

Efforts are under way to locate the source of an Amateur Radio news transmission that's causing interference to AM aircraft communication at 134 MHz in the vicinity of Long Island, New York, and Southeastern Connecticut. The interference is believed to be the result of an unintentional spurious from a repeater or other transmitter.

The transmission appears to be of the weekly Amateur Radio *Newsline* broadcast. The interference has been showing up only on Saturday evenings at around 10. *Newsline* has been asked by the Federal Aviation Administration to contact stations in the Greater New York City area that air the weekly news feed to help track down the interference source. According to *Newsline*, commercial pilots flying between 17,000 and 24,000 feet report hearing the signals.

Those having information on possible sources of this interference are asked to contact Guy Fisk of the FAA's Boston regional office, 781-238-7490, or *Amateur Radio Newsline*,

Newsline/ARRL Letter □

Hospital Program Teaches Kids to Operate Amateur Radio

A program at Tampa Children's Hospital St Joseph's is introducing Amateur Radio to some of its young patients. TCH patients can participate in Amateur Radio learning sessions with physicians and hospital staff who are ham operators at the hospital's Kids Space Ham Radio.

"I love teaching children about the workings of Amateur Radio," says TCH pediatric cardiologist and Amateur Radio operator Dr James Huhta, AA4MD. "The Kids Space Ham Radio program not only helps get the children's minds off of their illnesses, but it also exposes them to a hobby they may enjoy the rest of their lives."

Greg Brostowicz, St Joseph's-Baptist Health
Care/ARRL Letter □

Problems with ULS Continue

Those attempting to register or use the FCC's Universal Licensing System occasionally (maybe that's an understatement) have been frustrated when entering a licensee name only to have the ULS come back with a "no matches" response. Unfortunately, the FCC database does not recognize the period "." after an initial, such as in "John Q. Public" and the ULS is not programmed to disregard a "." in a name query.

When entering a licensee name to search, enter the last name first, followed by a comma and no punctuation after any middle initial. But wait! If there's a "Jr" or "Sr" or Roman numeral such as II or III after the name, the FCC database includes the suffix as part of the last name. This means if you search--on the ULS or on one of the many call sign sites on the Web--for licensee John Q. Public III, you must search for "Public III, John Q" or the

name won't show. You can also search just on a last name without a comma following, but this also will yield all names that begin with "Public" including the one you're looking for.

All hams who received new tickets or upgrades during the restructuring flurry now are registered in the ULS. These licensees must contact the FCC's Technical Support Hotline in order to obtain a temporary ULS password.

A ULS password is required to access the system to file additional applications or changes--for example, to apply for a vanity call sign, to renew, or to file a change of address. To obtain a temporary password, call the Technical Support Hotline, 202-414-1250. ULS-registered amateurs may change their passwords online via the ULS.

ARRL Letter □

UARC Jackets and Hats

Official Club apparel is now available through Joe Flurer, KD7EGY, owner of Custom Design Marketing. Hats are available with the UARC logo for \$10.65. If you add your call sign to the back of the hat, the price is \$13.85. Jackets with the UARC logo on the back and your call sign on the front are \$48.92. If you add a small UARC logo to the front, the price is \$52.11. Golf shirts are also available with a small UARC logo on the front for \$28.71.

All of the above prices include sales tax. You can order your apparel at club meetings or by contacting Custom Design Marketing, 6049 S. Highland Drive, 278-5258. REMEMBER ... a portion of all sales goes back to the Club to support the repeaters. Wearing the apparel also helps promote the Club. □

RF Safety Rules in Force for All Amateurs

Starting September 1, every US amateur is required to fully comply with the FCC's RF exposure guidelines.

The regulations, which went into effect

January 1, 1998, require US Amateur Radio operators to read and understand the rules and, where necessary, perform technical evaluations to determine that their stations are compliant with the new regulations. Up until now, only hams who have had to file an Amateur Radio application with the FCC have had to certify compliance with the RF exposure rules. As of September 1, all amateurs must comply.

Under the regulations, an amateur station must not exceed the maximum permissible exposure limits for transmitter operation.

"These regulations are not a major burden on the Amateur Radio Service," said ARRL Lab Supervisor Ed Hare, W1RFI. "Most hams are already in compliance with the MPE requirements; some hams will need to conduct a simple station evaluation."

A complete description of the rules is available on the ARRL Web site at <http://www.arrl.org/news/rfsafety/>. The site also contains resources to make your station evaluation quite painless.

Address questions about RF safety and the FCC exposure guidelines to ARRL Lab Supervisor Ed Hare, W1RFI, ehare@arrl.org.

ARRL Letter □

New Emergency Communications Web Page

An "Emergency Communications" Web Site now is available at:

<Http://www.arrl.org/field/emergency/>.

The page provides a ready-reference Web Site with links to the latest ARRL bulletins, The ARRL Letter, and weather reports as well as to other Amateur Radio organizations active in emergency operations, such as the Hurricane Watch Net, The Salvation Army Team Emergency Net (SATERN), and SKYWARN. There's also an Emergency Communications "Q&A" section, and a link to contact various ARRL Headquarters personnel during an emergency. Other linked resources include The Net Directory, IARU member societies, ARRL field leadership and club-search.

ARRL Letter □

Communication Products Amateur Radio Sales

7946 S. State St., Midvale, Ut.
801-567-9944

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Bob Wood W7OAD, UARC Member

QRP ARCI Fall CW QSO Party	1200Z, Oct 21
QRP ARCI QSO Party-CW	1200Z, Oct 21
YLRL YL Anniv. Contest-SSB	1400Z, Oct 21
Work All Germany Contest-CW/SSB	1500Z, Oct 21
RSGB 21/28 Mhz Contest-CW	0700Z, Oct 22
Illinois QSO Party-CW/SSB	1800Z, Oct 22
Ten-Ten Intl Net QSO Party-CW	0000Z, Oct 28
CQ WW SWL Challenge-SSB	0000Z, Oct 28
CQ DX Contest-SSB	0000Z, Oct 28
HA-QRP Contest-CW	0000Z, Nov 1
IPA Radio Club Contest-CW	0600Z, Nov 4
Ukrainian DX Contest-CW/SSB	1200Z, Nov 4
ARRL Sweepstakes-CW	2100Z, Nov 4
North Amer Collegiate Champs-CW	2100Z, Nov 4
High-Speed Club CW Contest	0900Z, Nov 5
IPA Radio Club Contest-SSB	1400Z, Nov 5
High Speed Club CW Contest	1500Z, Nov 5
Japan Intl DX Contest-SSB	2300Z, Nov 10
WAE RTTY Contest	0000Z, Nov 11
OK/OM DX Contest-CW	1200Z, Nov 11

For more comprehensive listings and rules see:

www.sk3bg.se/indexeng.htm and
www.contesting.com/links/calendar.s

Contesting Calendar

Louisiana QSO Party-CW/SSB	0000Z, Sep 30
Texas QSO Party(1)-All	1400Z, Sep 30
Texas QSO Party(2)-All	1400Z, Oct 1
German Telegraphy Contest-CW	0700Z, Oct 3
UCWC Contest-CW	0000Z, Oct 7
TARA PSK31 Rumble	0000Z, Oct 7
Oceania DX Contest-SSB	1000Z, Oct 7
F9AA Cup Contest-CW/SSB	1200Z, Oct 7
Intl HELL Contest(1;DARC)-HELL	1400Z, Oct 7
YLRL YL Anniv. Contest-CW	1400Z, Oct 7
EU Sprint Autumn-SSB	1500Z, Oct 7
California QSO Party-CW/SSB	1600Z, Oct 7
Iberoamericano Contest-SSB	2000Z, Oct 7
RSGB 21/28 Mhz Contest-SSB	0700Z, Oct 8
Intl HELL Contest(2;DARC)-HELL	0900Z, Oct 8
Ten-Ten Day Sprint-All	0000Z, Oct 10
Intl HELL Contest(3;DARC)-HELL	1800Z, Oct 12
Oceania DX Contest-CW	1000Z, Oct 14
EU Sprint Autumn-CW	1500Z, Oct 14
Penn. QSO Party-CW/SSB	1600Z, Oct 14
FISTS Fall Sprint-CW	1700Z, Oct 14
Asia-Pacific Sprint-CW	0000Z, Oct 15
North Amer. Sprint-RTTY	0000Z, Oct 15
Penn. QSO Party-CW/SSB	1300Z, Oct 15
JARTS WW RTTY Contest	0000Z, Oct 21
Ark. QSO Party-CW/SSB/PSK31	0000Z, Oct 21

Examination Schedule

10/07/2000⁺ (Sat.) Salt Lake City
Contact: Gordon Smith, K7HFV
Phone 582-2438; 534-8116

10/11/2000 (Wed.) Mantua
Contact: Jim Jones, KJ7VO
Phone (435)723-1947

10/11/2000 (Wed.) Provo
Contact: Steve Whitehead, NV7V
Phone 465-3983

10/31/2000*⁺ (Tues.) Salt Lake City
Contact: Eugene McWherter, N7OVT
Phone 484-6355

11/01/2000 (Wed.) Farmington
Contact: Marc Uhrey, AB7PL
Phone 771-0105; 536-4782

11/08/2000 (Wed.) Mantua
Contact: Jim Jones, KJ7VO
Phone (435)723-1947

⁺Pre-registration required. Contact the contact person

prior to the examination date.

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

For more detail either call the contact or refer to the information on the UARC webpage:

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

THE UTAH VHF SOCIETY

I would like to thank the *Microvolt* editor for permitting me as President of the Utah VHF Society to provide some information about the VHF Society. First I would like to express my appreciation for the support many of you have provided by supporting the VHF Society through paying your annual dues and by participating in our annual swap meet. Our officers for the year 2000 are:

President: , Mel Parkes, N5UVP,
vmeleng@aol.com

Vice President: Don Blanchard, WA7GTU,
blanchard@suu.edu

Secretary: John Maybe, W7CWK,
mabey@csw.L-3com.com

Treasurer L. Brent Thomas, AC7H,
btthomas@dps.state.ut.us

Frequency Coordinator: John Loyd, K7JL,
loyd@ussc.com

The Utah VHF Society is a non-profit organization founded in 1968 to promote the installation and use of VHF amateur repeaters throughout Utah. The society also provides financial support for aligned repeaters and serves as frequency coordinator for the state. The society, however, does not support autopatches as we feel that to be the responsibility of the autopatch users.

Dues are \$15 per year. Membership runs for the calendar year, so all members (except those who have paid for multiple years) will be current through December 31 of this year. With your dues, please mention your callsign (if any) and whether or not you would like to be placed on the roster for the [VHF Society's weekly swap net](#). The dues may be sent to:

Utah VHF Society
P.O Box 482
Bountiful, UT 84011-0482

The Utah VHF Society provides frequency coordination within the state of Utah. The frequency coordinator is an elected position, chosen at the meeting associated with the VHF Society Swap meet. This event most recently occurred on Saturday, February 26, 2000 and John Lloyd, K7JL, was re-elected as frequency coordinator, a position that he has held for the past several years.

The purpose of a frequency coordination body is to facilitate reasonable usage of the VHF, UHF, and microwave-band amateur frequencies. The frequency coordinator acts as a clearinghouse for information pertaining to repeaters (their frequencies and locations) as well as radio links, interference issues, and other technical information. It is the strong recommendation of the FCC, the ARRL, and many other organizations, that amateurs follow the recommendations of the frequency coordinators in their areas. Doing so allows for better utilization of our valuable spectrum, prevents problems before they arise, and provides a vehicle for the resolution of disputes and other problems should they arise.

If you wish to put up something like a repeater, an autopatch, or do some other sort of operation on our VHF, UHF, or Microwave bands that is "out of the ordinary" (i.e. not the usual repeater ragchew or simplex operation), then it is strongly suggested that you contact the frequency coordinator. The frequency you choose may already be in use as a link, a repeater input, or something else and unconsidered operation on that frequency could adversely impact operations in your area, or an adjacent area into which your signals may overlap.

The Utah VHF Society holds its weekly swap and traffic net on Tuesday at 8:00 pm on the 146.940 (-) repeater. This repeater is located on Farnsworth Peak in the Oquirrh mountains, approximately 18 miles southwest of downtown Salt Lake City. While this repeater normally requires an 88.5 Hz subaudible tone for access, an attempt is usually made to allow tone-free access for the duration of the net -- listen to the net control at the beginning of the net for specific instructions

for checking in if you do not a tone encoder. If you cannot transmit a tone, try checking in by transmitting on the repeater's output frequency.

Often, people new to the hobby (or the net) are confused by the purpose of the roll call taken at the beginning of the VHF Society net. This roll call is for those who are members of the Utah VHF Society who wish to be called to check in and state whether they have traffic or not. If you are not a member, you cannot be placed on the roll, but if you have traffic for the net, you will be allowed to list it after the roll call is complete. You might think of being placed on the roll as an incentive to join. It should be noted that, when you join the VHF Society, you will be placed on the roll ONLY if you specifically ask, either in writing, with your dues, or during the net. What if you are dropped from the roll because you didn't check in for a month? Don't worry: It has no effect at all on your standing as a member of the VHF Society. In fact, if you don't plan to check in regularly, it would be preferable that you not be on the roll so that the time spent calling the roll is reduced.

If you have any questions about the VHF Society please contact one of our officers by email or check out our web page at <http://www.ussc.com/~uvhfs/>

Mel Parkes, N5UVP□

Silent Key

Francis (Frank) Torney, Jr., WA7HGS, passed away on June 27 of this year. Frank was born January 26, 1915 in San Francisco to Major Francis J. Torney and Anne Latane Clopton Torney. He attended Palo Alto and San Rafael Military Academies and Galileo High School in San Francisco, and he was a member of the Army Signal Corps from 1942-1945. He studied at American Radio and Television Laboratories and Geller's Theatre Workshop in Hollywood and later at the University of Utah. He drove auto convoys for Greenway Trucking in California and was a 'million miler'. Later in Utah he had his own television service business, was a professional photographer, and worked for Sperry and Litton. A favorite job was managing the "savages" (staff) at Yellowstone National Park. He had many lifelong hobbies, including chess, photography, acting,

traveling, and amateur radio -- he built his first short-wave radio from a kit.□

West Timor Unrest -- DXer Dies

A mob of militiamen stormed a United Nations office in West Timor on Wednesday, 06 September, killing one American and two European aid workers. Among those killed was Pero Simundza, 4W6SP/9A4SP. According to the story from the Associated Press, the office was located in the West Timor town of Atambua. In addition to the three dead, several additional foreign staffers for the U.N. refugee agency escaped harm, although there were three staffers injured. Four helicopters from the U.N. peace keeping force were used to evacuate the remaining staffers from Atambua. They were flown to the East Timor border town of Balibo. All remaining staffers were accounted for and there are no reports of other injuries. Unrest continues in the region with pro-Indonesian militiamen continuing to clash with U.N. peacekeepers.

Associated Press/Worldradio□

West Timor Unrest -- Another Victim Identified as U.S. Ham

As previously reported, violent militiamen in West Timor attacked a United Nations refugee relief office, killing three U.N. staffers, and dragging their bodies into the street and burning them. Among the victims was another Ham, Carlos Caseres, KD4SYB, from Jacksonville, Florida. All three victims had barricaded themselves in the office hours before the militiamen arrived from Betun to retaliate the killing of a notorious and ruthless head of a militia group in East Timor. The mob managed to circumvent the barbed wire barricades and the fortifications hastily erected to protect the workers. A chilling e-mail message was sent out by Carlos just hours before his death. The message detailed the preparations they had taken before the attack, and the mood in Atambua when word was spread that the militiamen were on the way. His e-mail was read aloud in a U.N. Security Council meeting 08 September.

Worldradio□



**...And the Other Real McCoy (N7VM)
(See Page 4)**