

5/97



ARRL
CLUB
#1602

MOTHERS DAY / FATHERS DAY



YOU THINK
MAYBE MOM or
DAD WANTS A
YAESU
FOR MOTHERS
DAY or FATHERS
Day???

ISSUE

Published by the
Utah Amateur Radio
Club HAM
HOTLINE-583-3002
The MICROVOLT
632 University Street,
Salt Lake City, Ut.
84102

Volume XLI Issue 5 MAY, 1997

the MICROVOLT

Periodicals

PLEASE SEND DUES TO:
U.A.R.C.
c/o GARY OPENSHAW
861 ROOSEVELT AVE.
S.L.C. UT 84105

SEND TO:

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Microvolt Midnight Copy-Editors and Coordinators of Mischief- Lon Stuart's Trolls

The Utah Amateur Radio Club was organized under its present name in 1927, although its beginnings may date back as early as 1909. In 1928, it became affiliated with the American Radio Relay League (club #1602) and is a non-profit organization under the laws of Utah. It holds a club station license with the call W7SP, a memorial call for Leonard (Zim) Zimmerman, an amateur radio pioneer in the Salt Lake City Area. The club meets each month except July and August. The meetings are held on the first Thursday of the month at 7:30 PM in the Exhibition hall located on the Salt Lake County Fairgrounds just south of Murray City Park. Club membership is open to anyone interested in amateur radio; a current license is not required. Dues are \$13 per year, including a MICROVOLT subscription. Those living at the same address as a member who has paid \$13 may obtain a membership without a Microvolt subscription for \$9. ARRL membership renewals should specify ARRL Club #1602. UARC maintains the following repeaters: 146.62 (minus) and 449.10. The repeaters are administered by the UARC repeater committee. Comments and questions may be directed to any committee member. The Lake Mountain repeater (146.76 minus offset) has Autopatch facilities on both the Orem exchange (covering Santequin to Lehi) and the Salt Lake City exchange (covering Draper to Layton). The 449.10 repeater has autopatch facilities into Salt Lake City only. Due to the volume of traffic, only mobiles should use this autopatch. Autopatch use is open to all visitors to our area and to all club members. Non members who wish to use the Autopatch are encouraged to help with and maintaining a club membership. THE MICROVOLT: The Microvolt is the official publication of the club. Deadline for submissions to the Microvolt is the 10th of each month prior to publication, except Aug. All submissions are welcome but what is printed and editing are the responsibility of the UARC board. Reprints are allowed with proper credits to the MICROVOLT, UARC, and authors.



THE DESERT EDITION OF

THE MICROVOLT

Publication of the Utah Amateur Radio Club
VOLUME XLI ISSUES 5 & 6 MAY & JUNE, 1997



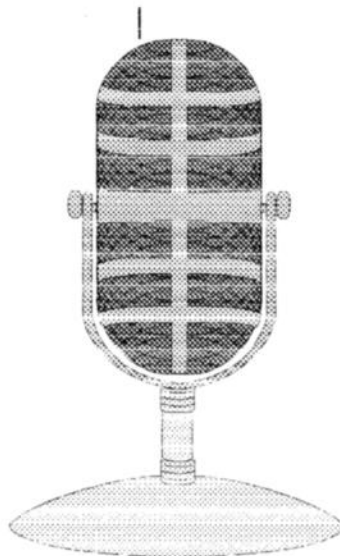
Feature Of The Month

This month we are featuring Ray Rich W7MBS. Ray has been in amateur radio since 1958. He has his advanced license. Ray is now retired. He worked for the Federal Government in the department of defense.

When band conditions are good Ray loves DXING. He has worked 227 different countries and islands. He has also worked all states. Ray says he is a rag chewer. He loves to visit with people from all around the world and learn about their ways of life. He loves to take the time to chat and get to know others.

He really doesn't like contesting. He says there is a lot more to amateur radio than just saying hello and good bye. A very important facet of amateur radio is traffic handling. This prepares in individual for emergency situations. Ray is the Emergency communication Coordinator for the Butler stake. He has made his equipment available in case of an emergency. His equipment is battery powered and he is considering getting solar power as well. Once a week Ray is net control for the 12th region. This traffic net meets twice a day at 7 A.M. on 80 meters 3.923 and the afternoon session is at 4:15 P.M. on 40 meters 7.233. Also once a week ray is net control for the Bee Hive net which meets daily on 40 meters 7.272 at 12:30 P.M. Ray has delivered many messages to me from my friends in Minnesota and California. I really appreciate it.

Ray says that the future of amateur radio is the sacrifice that amateurs make to learn and develop their skills and talents



to be excellent operators and help their fellow men.

Ray, thanks so much for your contributions to amateur radio.

73 N7HVF Linda Reeder

The Address For The Microvolt Editor IS:

Cokie Eddy
147 East B/C 4rth Avenue,
Dugway, UT 84022

New Phone 522-4474 (Ditto Exchange)
Or 1-801-831-1171 (Long distance)

UTAH AMATEUR RADIO EXAMINATION SCHEDULE

Date	Location	Contact Person	Home Ph.	Bus. Ph.

EXAMINATION PROGRAMS BY CITY				

City: Brigham City	Contact Person: Terry Wyatt			
VEC: ARRL	Phone: 458-2216			
Location: Box elder High School Computer Lab				
Schedule:				
Thursday April 24 7:00 PM				
Thursday June 12 7:00 PM				

City: Farmington	Contact Person: Brent Thomas, AC7H			
VEC: ARRL	637 East 2150 South			
Bountiful, Utah 84010				
Home Ph: 298-3322 Bus. Ph: 538-3700				

EXAMINATION PROGRAMS BY CITY

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VEC: ARRL	637 East 2150 South			
Bountiful, Utah 84010				
Home Ph: 298-3322 Bus. Ph: 538-3700				

2

Location: Davis County Jail Complex,
800 West State St.,
Farmington
Service entrance

Schedule: First Wednesday of Jan., Mar., July, and Sept., 7 p.m.

City: Logan Contact Person: Paul Hansen, WO7N
VEC: ARRL 1676 East 1600 North
Logan, Utah 84321

Bus. Ph: 752-6425

Schedule: Second Saturday of April and October, 9:00 a.m.

City: Ogden Contact Person: Matthew George,
AB7GM
VEC: ARRL 473 Hiland Road
Ogden, UT 84404
Phone: 393-9159

Recorded exam information: 627-6064

Location: Weber State College, Science and Technology
Building, Rm 228

Schedule: First Saturday of May and November, 8:00 a.m.

City: Provo Contact Persons: Steve and Linda
Whithead
VEC: W5Y1 497 South 700 East
Payson, Utah 84651
Home Ph: 465-3983 Bus. Ph: 225-5200

Location: Provo Campus of Utah Valley State College

Schedule: Third Wednesday evening of each month

Notes: Do not confuse this location with the larger Orem
campus.

City: Salt Lake City Contact Person: Gordon Smith,
K7HFV
VEC: ARRL 632 University Street
Salt Lake City, Utah 84102
Home Ph: 582-2438 Bus. Ph: 532-3400 Ext.

8116

Location: Blue Cross/Blue Shield Cafeteria

2455 East Parley's Way, main (west) building.

West door Schedule: First Saturday of Feb.,

APR, June, Aug. and Dec.

20 w.p.m.: 8:00 a.m.

13 w.p.m.: 8:30 a.m. 5 w.p.m.: 9:15 a.m.

No code test needed: Any time

between

8 and 10 a.m.

Notes: Preregistration is required.

The owners of the building require that

the door be kept locked. Those who preregister will receive the
code required to get in. Preregistration also speeds the session

THE MICROVOLT

and gets licenses on the way faster after the session. It takes
only a few minutes by phone or on the air. Gordon usually
monitors 146.62.

City: Salt Lake City Contact Person: Eugene (N7OVT) or
Carol McWherter, (KC7LLW)

VEC: W5Y1 536 E. Leland Avenue
Salt Lake City, Utah 84115

Home Ph: 484-6355

Location: LDS Church 2700 S. 300 East, South Salt Lake
Pre-registration preferred. Please leave message if not at home.

Schedule: Last Tuesday of each month, 7 p.m.

Notes: This session is intended primarily for those seeking
Novice,

Technician, or Technician-plus licenses. Only elements 1A, 2
and 3A will be administered. Pre-registration is required.

THINGS TO BRING TO TEST SESSION

1. Two forms of ID (If licensed, your original and one form of ID)
2. \$6.05 - Cash or Check.
3. A copy of your licensee, and or copies of your pending 610 form or
certificate of credit along with the original.
4. You may bring a filled out 610 form or a form will be available at the
test session.
5. Pencils or pens.
6. You may bring a calculator but you must show that it is not pre-
programmed.

You may use a typewriter or lap top computer only if you make
arrangements in advance.

WEB- INFO

UARC WEB PAGE ADDRESS!

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

MY NEW E-MAIL ADDRESS COKIE@CYBERNECT.COM
OUR ARRL SECTION MANAGER JIMKATPA@AOL.COM
ARRL HOME PAGE [HTTP://WWW.ARL.ORG](http://WWW.ARL.ORG)
CALL SIGN LOOKUP
[HTTP://WWW.UARL.EDU/DOC/HAMULR/CALLSIGN.HTML](http://WWW.UARL.EDU/DOC/HAMULR/CALLSIGN.HTML)
CANADIAN BACON (HAMS) [HTTP://WWW.RAC.CA](http://WWW.RAC.CA)
DX INFO
[HTTP://WWW.CLINETIFI/~JUKKA/WEBCLUSTER.HTML](http://WWW.CLINETIFI/~JUKKA/WEBCLUSTER.HTML)
ELECTRONIC SWAPMEET
[HTTP://WWW.WESTES.COM/ADS/ADS.HTML](http://WWW.WESTES.COM/ADS/ADS.HTML)

OUR FEDERAL GOVERNMENT
[HTTP://WWW.FEDWORLD.GOV](http://www.fedworld.gov)
 F.C.C. [HTTP://WWW.FCC.GOV](http://www.fcc.gov)
 HOUSE OF REPRESENTATIVES [HTTP://WWW.HOUSE.GOV](http://www.house.gov)
 INTERNET/PACKET GATEWAY
[HTTP://WWW.W2XO.PGH.PA.US](http://www.w2xo.pgh.pa.us)
 I.T.U. INFO [HTTP://WWW.ITU.CH](http://www.itu.ch)
 LAT./LONG LOOKUP [HTTP://WWW.MIT.EDU:8001/Geo](http://www.mit.edu:8001/geo)
 NEIGHBORHOOD ANTENNAS
[HTTP://WWW.HAMWEB.COM/~SJL/STONER/ANTENNA.HT](http://www.hamweb.com/~sjl/stoner/antenna.html)
 ML
 NTIA [HTTP://WWW.NTIA.DOC.GOV](http://www.ntia.doc.gov)
 SARAX
[HTTP://WWW.NASA.GOV/SAREX/SAREX_MAINPAGE.HTML](http://www.nasa.gov/sarex/sarex_mainpage.html)
 WHOWHERE? (FIND PEOPLE YOU ARE LOOKING FOR)
[WWW.WHOWHERE.COM](http://www.whowhere.com)

Remember that even though some web-sites might be there today, they may not be there tomorrow. So, if any of these web addresses have changed, or if you have a special web-sight that you would like to see listed, please contact the Microvolt Editor at 522-4474.

UTAH AMATEUR RADIO CLUBS

UARC or Utah Amateur Radio Club meets the first Thursday of each month except the months of July and August. The meeting is held in the Theatre Building located on the Salt Lake County Fairgrounds (5200 S. and 200 E.) just south of Murray Park at 7:30 PM. There is a newcomer's meeting held prior to the main meeting at 7:00 PM.

The **Davis County Amateur Radio Club** meets the 2nd Saturday of each month at 10:00 AM at the Davis County Sheriff's Office, 800 West State street, Farmington UT. Members and nonmembers are welcome. Dues are \$15.00 per year and can be paid at any club meeting. The Davis Club supports the 147.04 repeater. DAVIS ARES conducts a net each Thursday at 7:00 PM on 147.42 simplex. They also have a DAV node for packet on 145.07. For further information please contact Kent Whitney K17ST 444-1264

OARC or Ogdem Amateur Radio Club meets the 3rd Wednesday of each month in Ogdem at 7:00 PM. The meetings are held at the Red Cross building at 2955 Harrison BLVD. Members and nonmembers are invited. Dues are \$15.00 per year

THE MICROVOLT

and can be sent to P.O Box 3353, Ogdem, Utah 84409. OARC supports the 146.90 repeater and conducts a net there Tuesdays at 7:30 PM. They also support the 146.82 repeater. The contact person is Jerry Peters WA7ADK who can be reached at 825-8798.

The **VHF Society** is a group dedicated to maintaining a system of repeaters in our area. Dues are \$10:00 per year and can be sent to PO Box 482 Bountiful Utah 84011-0482. The VHF Society holds a swap and traffic net for it's members each Tuesday night at 8:00 P.M. on the 146.940 repeater. For further information please contact Eldon Kearl KB7OGM at 571-9955.

Salt Lake County ARES (Amateur Radio Emergency Services) conduct a net each Wednesday Night at 8:00 PM on the 146.88 repeater. All amateurs are welcome to participate. Their in-person meeting is held the third Wednesday of each month. For more information please contact Kirk Boman 278-9799 or Jerry Wellman Wb7ULH 969-8258

Utah Valley ARES holds their general meeting the 1st Tuesday of every month at 7:00 PM. They also conduct a net each Tuesday at 9:00 P.M. on the 147.34 repeater which is also linked to the 224.7 repeater. The contact person is Robert Earl. N7EGG at 225-8870

MARA or Mercury Amateur Radio Association is a world wide group of Radio Amateurs dedicated to training and traffic handling for emergency operation. They conduct VHF nets each Wednesday at 9:00 PM. They also conduct health and welfare traffic net on 3.873 MHz (80 meters). The Salt Lake area is on the 146.74 repeater and their contact person is Willy Peake N7VVL at 466-1114. The Ogdem area is on the 145.49 repeater and the Provo area on the 145.37 repeater with Vince Newmeyer N7MLP at 785-5611 as their contact person.

UPRA (Utah Packet Radio Association) holds their general meeting on the 2nd Saturday of each month at 2:00 PM at the State Capitol Annex Building north of the State Capital. All amateurs are welcome. The purpose of the club is to educate people who are new to packet and to coordinate packet activities. Their dues are \$15.00 per year and can be sent to PO Box 92 Riverton, UT 84065. Their contact person is Jack Christensen, KC7NX at 277-6629.

UBET (Utah Box Elder Thiokol) holds a net every Wednesday at 8:00 PM on the 145.43, 448.300, 145.29 repeaters. Net control changes monthly. Contact Wayne Jensen AB7TS for details about net. Club meetings are held the first Tuesday of every month at 7:00 PM in the Thiokol Rec. Council Building (old J.C. Penney's building) 62 South Main Street. (East side of street next to Brigham City sign.) Club President is Doug Nelson KC7HGL 257-1520.

THE BRIGERLAND AMATEUR RADIO CLUB meets the 2nd Thursday of the month (except June, July, and August) in the basement of the Sheriffs Office. They hold a net at 9:00 PM on the 147.20 repeater every Tuesday. Their contact person is Dean Stevens N7WVY at 753-2664.

THE UTAH TCPIP Users Group Of UTUG is an informal group that discusses TCPIP protocols and other packet information. They are geared to all levels of users, new and seasoned. They hold a weekly net Sundays at 8:00 PM on the 146.620 repeater. Their contact person is Matt Simmons KG7MH at 965-1038

The High Valley Net from Heber meets every Monday at 9:00 PM on the 147.18 repeater. Their contact person is Doug Neilson, N7PPW at 756-5927 or Joe Chenworth, KG7GY at 564-3598

The University of Utah Radio Club is open to University Staff, alumni and students. There is a fully equipped station available 24 hours a day. Their

contact persons are Marvin Match KA7TPH at 581-6085 or Clint Turner KA7OEI at 972-5541

The Salt Lake Community College Amateur Radio Club is open to anyone. They would like to welcome interested parties to join them. They meet on the South campus in room N285 on the first Saturday of the Month at 3:00 PM. Please contact Keith KI7SL at 957-3247

Rocky Mountain Radio Assn. is open to all Utah hams and they support the 447.900, 448.400, 448.700 repeaters. Their net is on 447.800 and 52.525 (six meters) every Wednesday night at 8:00.

Please contact Marc Peterson (KB7YJJ) at 977-1845 for info!

What To Do This Year?

June 5 Field day meeting

July 9 Steak fry

August No Microvolt

Sept. 4 Swap meet

Oct. 2 Rosh Hashanah We would like to have Eldon K. and John Lloyd talk about repeater interlinks

October 31 Halloween

Nov. 6. HOMEBREW

Nov. 7 Microvolt Editor's Birthday.

Dec. 4 Elections.

Dec. 25 Christmas

Dec. 31 New Years Eve



FROM THE EDITOR-

I want to apologize to the club for not getting a May issue out in time, and thank everyone for understanding that I have been sick. I guess I shouldn't have drank the Dugway water. Well, (it isn't -well water, that is) at least I didn't get pregnant as they say of the water in Spain. I don't know what the problem is out here. I guess it's the waste...who knows..I have just been sick, that's all I know.

I wanted to tell the club that I was considering not running for editor next year as I find that the club deserves someone in town that can provide them with a

THE MICROVOLT

newsletter on time. Plus, my printer is taking a beating on printing out copies and copies of pre-printer Microvolt. I have always printed the Microvolt out so that the Microvolt looked good for the printer. I know that the Microvolt looks good on screen but the real thing sometimes looks crummy. So I print and edit. Print and edit. Pretty soon my very own personal inkjet printer is dying. I cannot afford to have it replaced and I wouldn't expect the club to repair it. I am just in a bad situation.

I say "was" because I am having serious second thoughts about running again. I have received several letters lately that have made me feel as if the club really appreciates the hard work that it takes to pull a Microvolt together. That there really are people out there that understand that it is very hard work. It's even harder work when you are in the boonies and you cannot make it to the meetings and you cannot hear what is going on in the "neighborhood" as I call it. Board meetings are very important as well and it is almost impossible to make it to board meetings with my husband working the shift that he is working.

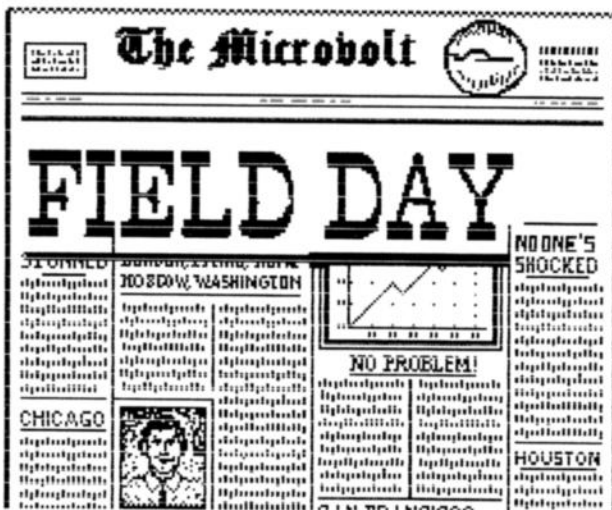
I am almost able to communicate with the club, since the help of Fred the Book Lady, Gary Openshaw and Alan Seyboldt. They have come to my home and helped Dave (KB7ZLH) install an antennae that really is a great antennae, but I am in like a hole. I am in a raven or something, so I can't get out. Before I couldn't even hear what was going on in the Valley. At least I can almost do that! (almost).

The other night I was on the VHF Society Swap Net and the net control asked me what I had. I said I had a want. No one could hear me except Jack (KC7KEL) and Linda (N7HVF). I said through relay that I wanted an amplifier. (Because no one could hear me). Net control still said "I know that you have a want Cokie, I heard something about amplifier, and that is all...I couldn't make out the rest." I don't know about you, but if you couldn't hear someone...added up Cokie..Want and Amplifier..wouldn't you get the gist of the transmission? I had to laugh.

Thanks to everyone for all the submissions the past two weeks. I am in awe!

73's Cokie KC7MDV

HAVE A PICNIC THIS
Memorial Day



JUNE 5 MEETING: FIELD DAY

The June 5 meeting of the Utah Amateur Radio club will feature Field Day.

We will have slides and videos of past Field Days, tips for operating on the upcoming Field Day, and a chance to participate in Field Day planning.

"That's all very nice," I hear you cry, "but WHAT'S FIELD DAY???"

Oh yes, there is that little detail to explain. Well, you'll get the most complete explanation by attending the meeting, but here are the basics. Field Day is a national contest, the biggest contest of all in amateur radio. The rules encourage clubs and groups to operate from portable sites, meaning away from established buildings and power lines.

Field Day takes place over the weekend of June 28 and 29.

UARC plans to have a club entry.. It will provide a chance to combine amateur radio operation with a family camp-out.

Check the web page and Sunday night nets for late-breaking details.

The June meeting will also be the last chance to sign up in person for the July steak-fry. Bring your checkbook along and save the cost of a stamp.

The meeting will be June 5, at 7:30 p.m. There will be the usual newcomers' meeting at 7, along with books to buy and friends to greet.

UARC meetings are held in the Little Theater building in the Salt Lake County fairgrounds. (Neither the building nor the street is marked with a number, but the address is approximately 5150 South and 150 East. Follow the sign that says "Square Dancing").

See the map available from the Home Page.

MORE FIELD DAY...

(Executive Overview)

Prepared by: Tom Schaefer NY4I

Introduction

Field day is three things. First and foremost, it is a test of our preparedness in case of a communications emergency. Second, it is a club get-together where club members and their families can enjoy ham radio in a relaxing setting. Third, it is a contest. The secret to a successful Field Day is to understand and respect that people come to Field Day for all three. If there is a conflict between any of these items, common sense should prevail.

Progress to date

Plans for Field Day are progressing rapidly. Key items handled so far include the portable toilet facilities, identification of chairperson for the Saturday night festivities (i.e., food), commitments of equipment and operators for a VHF talk-in station and a satellite station.

6

Ray Allen and I will be meeting on Tuesday May 13, 1997 to discuss additional items. At this meeting, we will schedule time to go and check the generator and the equipment. As Ray's wife is expecting a child, Ray cannot leave the area for at least a week.

For some of the action items below like an oil change for the generator, any wire for antennas, gasoline for the actual day, I need an authorization of funds. I suspect total outlay for miscellaneous items not to exceed \$100. This does not include the food outlay or the Porta-lets (\$200 + \$100 deposit).

Station and Class Information

The club will operate as W7SP with class 2A. The 2 is the number of HF transmitters and 'A' indicated non-commercial power. We will operate one phone station and one CW station. The phone station will be the club TS450S/AT. The CW station will be an ICOM IC-738. Additionally, a novice/tech plus station will be operated with the club ICOM 730. The antennas will be the 10-15-20 meter beam on the club tower, verticals, and wire antennas. The antennas will be shared between the stations to the extent that each station can work any band. Since both radios have antenna tuners, this will not be a problem for most antennas. The beam will be shared between the CW and the phone station. This will be accomplished by a coax switch at the base of the tower. Please keep in mind that the Novice/Tech plus station must be setup by only Novice/Tech Plus operators.

Action Items

Generator Maintenance

I have been told that the oil should be changed in the generator. I suspect this charge will be minimal. The output of the

THE MICROVOLT

generator is in question, if anyone knows this exact value, please let me know. This will be accomplished by May 31, 1997.

Towing Requirements

We need someone to tow the porta-lets and the generator. I can tow one of them, but since my truck is not really setup for towing, I will try and get someone else to do this.

Setup

Setup remains an issue to be determined. I suspect that this will comedown to the people that are present at any time after Noon on Friday June 27. According to Field Day rules, no setup can start before then.

VHF Station (Packet too!)

The VHF station and packet has not be confirmed. I have some potential volunteers but no firm commitments.

HF Stations

As indicated by the synopsis above, the equipment is firm assuming the club 450S/AT is in working.

Operators

Operators are still needed for all modes. I suspect this will be another issue of whomever shows up. This effort will be helped greatly by continuing to "talk up" Field Day.

Location

Since I have not been there, I need some help with directions to the site to publicize Field Day. I will send information to Cokie for the MicroVolt.

Publicity

The ARRL press kit has been obtained for updating and forwarding to all local press agencies and television stations. Press releases will be faxed to agencies one week before Field Day.

1997 Field Day Rules

1) Eligibility: Field Day is opened competitively to all amateurs in the ARRL/RAC Field Organization (plus Yukon and NWT). Foreign stations may be contacted for credit, but are not eligible to compete.

2) Object: To work as many stations as possible on any or all amateur bands (except 10, 18 AND 24-MHz bands) and, in doing so, to learn to operate in abnormal situations under less-than-optimum conditions. A premium is placed on skills and equipment developed to meet the challenge of emergency preparedness and to acquaint the public with the capabilities of Amateur Radio.

3) Dates: June 28-29, 1997.

4) Field Day Period: From 1800 UTC Saturday until 2100 UTC Sunday. Class A and Class B (see below) stations who do not begin setting up until 1800 UTC Saturday may operate the entire Field Day period of 27 hours. Others must begin their setup no earlier than 1800 UTC Friday, and may operate no more than 24 consecutive hours; ie, once on-the-air Field Day operation has started, it must end 24 hours from that point.

5) Entry Categories: Field Day entries are classified according to the maximum number of simultaneous transmitted signals, followed by the designation of the nature of the individual or group participation. Below 30 MHz, once a transmitter is used for a contact on a band, it must remain on that band for at least 15 minutes. During this 15-minute period, the transmitter is considered to be transmitting a signal, whether it is or not, for purpose of determining transmitter class. Switching devices prohibited.

(Class A) Club/nonclub portable: Club groups (or nonclub

THE MICROVOLT

groups with three or more licensed amateurs) set up specifically for Field Day. Such stations must be located in places that are not regular station locations, and must use no facilities installed for permanent station use, nor any structures installed permanently for Field Day use. Stations must be operated under one call sign (except when the Novice/Technician position is used) and under the control of a single licensee or trustee for each entry.

All equipment (including antennas) must lie within a circle whose diameter does not exceed 300 meters (1000 feet). All contacts must be made with transmitter(s) and receiver(s) operating independent of commercial mains.

Entrants who, for one reason or another, operate a transmitter or receiver from commercial mains for one or more contacts will be listed separately at the end of their class.

Any Class A group whose entry classification is two or more transmitters (non-Novice) may also use one Novice/Technician operating position (Novice bands only) without changing its basic entry classification.

For Field Day purposes only, any Canadian Amateur HF licensee, who has been licensed for less than six months prior to Field Day, shall be considered a "Novice" to provide a means for Canadian Field Day Class A stations with two or more transmitters to participate with a "Novice/Technician" operating position. This "Canadian Novice station" is restricted to the US Novice sub-bands and power/mode restrictions. The Novice/Technician station (including antennas) should be set up and operated by Novice and Technician licensees and should use the call sign of one of the Novice/Technician operators.

(Class A--Battery) Club/nonclub portable: Club groups (or non club groups with three or more licensed amateurs) set up specifically for Field Day and all contacts are made using an output power of 5 W or less and the power source is other than commercial mains or motor-driven generator (e.g., batteries,

8

solar cells, water-driven generators). Other provisions are the same as for class A. (Class B) One- or two-person portable: Nonclub stations set up and operated by not more than two licensed amateurs will be placed in Class B. Other provisions are the same as for Class A. One- and two-person Class B entries will be listed separately in the results.

(Class B--Battery) One- or two-person portable:

Nonclub stations set up and operated by not more than two licensed amateurs and all contacts are made using an output power of 5 W or less and the power source is other than commercial mains or motor-driven generator (e.g., batteries, solar cells, water-driven generators). Other provisions are the same as for Class A. One- and two-person Class B--Battery entries will be listed separately in the results.

(Class C) Mobile: Stations in vehicles capable of operating while in motion and normally operated in this manner, including antenna.

This includes maritime and aeronautical mobiles.

(Class D) Home stations: Stations operating from permanent or licensed station locations using commercial power. Class D stations may count contacts only with Class A, B, C and E Field Day groups for points.

(Class E) Home stations--emergency power: Same as Class D, but using emergency power for transmitters and receivers. Work stations in Class A, B, C, D and E.

6) Exchange: Stations in any ARRL/RAC Section will exchange their Field Day operating class and ARRL/RAC Section. For example, if your club group was planning to operate in the three-transmitter, Class A category from Missouri, you would send "3 A Missouri". Foreign stations send RS(T) and QTH.

7) Miscellaneous Rules:

A) Operators participating in Field Day may not, from any other station, contact for point credit the Field Day portable station of a group with which they participated.

THE MICROVOLT

B) A station used to contact one or more Field Day stations may not subsequently be used under any other call during the Field Day period. Family stations are exempted.

C) Each phone and each CW segment is considered as a separate band. All voice communication contacts are equivalent, and Packet/RTTY/ASCII/AMTOR is counted as CW. A station may be worked once on each band. Crossband contacts are not allowed. The use of more than one transmitter at the same time on a single band is prohibited, except that a Novice/Technician position may operate on any Novice band segment at any time. No repeater contacts.

8) Scoring: Scores are based on the number of valid contact points times the multiplier corresponding to the highest power used at any time during the Field Day period, plus bonus points. Phone contacts count one point each, and CW contacts count two points each. Power multipliers: If all contacts are made using an output power of 5 W or less and if a power source other than commercial mains or motor-driven generator is used (e.g., batteries, solar cells, water-driven generators), multiply by 5. If any or all contacts are made using an output power of 150 W or less, multiply by 2. Multiply by 1 if any or all contacts are made using an output power more than 150 watts. Batteries may be charged while in use for Class C entries only. For other classes, batteries charged during the Field Day period must be charged from a power source independent of the commercial mains.

A) Bonus points: The following bonus points will be added to the score (after the multiplier is applied) to determine the final score. Only Class A and B stations are eligible for bonuses. Just check the box on the Field Day summary sheet to indicate that you qualify for the bonus, and attach the necessary proof.

1) 100% emergency power: 100 points per transmitter for 100% emergency power. All equipment and facilities at the Field Day site must be operated from a source independent of the commercial mains.

9

Example: A club operating 3A, using 100% emergency power may claim 300 bonus points.

2) Public relations:

A) 100 points for media publicity. Publicity must be obtained or a bona fide attempt to obtain publicity must be made.

Evidence must be submitted in the form of a newspaper clipping, a memo from a BC/TV station stating that publicity was given or a copy of the material that was sent to the news media for publicity purposes.

B) 100 points for physically locating in a public place (e.g. shopping center, parks, etc.) with significant access by the public.

The intent here is for Amateur Radio to be on display to the public.

C) An additional 100 points can be earned by such display stations in public places actively conducting an information booth for the visiting public, and dispensing information handouts, maintaining visitor's log, etc., as an information/recruiting tool for Amateur Radio. Evidence submitted for both (B) and (C) may consist of copies of handouts, visitor's log, brief report on activities conducted, photos, etc.

3) Message origination: 100 points for origination of a message by the club president or other Field Day leader, addressed to the SM or SEC, stating the club name (or nonclub group), number of operators, field location and number of ARES members participating. The message must be transmitted during the Field Day period, and a fully serviced copy of it must be in standard ARRL message form or no credit will be given.

4) Message relay: 10 points for each message received and relayed during the Field Day period, up to a maximum of 100 points. Copies of each message, properly serviced, must be included with the Field Day report.

5) Satellite QSO: 100 points can be earned by

THE MICROVOLT

completing at least one QSO via satellite during the Field Day period. The repeater provision of Rule 7C is waived for satellite QSOs. A satellite station (one) does not count as an additional transmitter. On the summary sheet, show satellite QSOs as a separate "band".

6) Natural Power: Field Day groups making a minimum of five QSOs without using power from commercial mains or petroleum derivatives can earn 100 points. Intuitively, this means an "alternate" energy source of power such as solar, wind, methane or grain alcohol. This includes batteries charged by natural means (not dry cells).

The natural-power station counts as an additional transmitter. If you do not wish to change your entry class, take one of your other transmitters off the air while making the natural-power QSOs. A separate list of natural-power QSOs should be enclosed with your entry.

7) WIAW message: A bonus of 100 points will be earned by copying a special ARRL Field Day bulletin sent over WIAW on its regularly announced frequencies just before and during Field Day. This message can be received directly from WIAW or by any relay method. An accurate copy of the received message should be included in your Field Day report.

8) Packet Radio: 100 points can be earned by completing at least one QSO on packet radio during the Field Day period. The repeater provision of Rule 7C is waived for packet radio QSOs. A packet station (one) does not count as an additional transmitter. On the summary sheet, show packet radio QSOs as a separate "band".

9) VHF/UHF: 100 points can be earned by completing at least ten QSOs (excluding packet contacts) on any band or combination of bands above 50 MHz (VHF/UHF bands) during the Field Day period. A VHF/UHF station (one) does not count as an additional transmitter. This station is not limited to

10

making just ten QSOs. It may be operated for the entire Field Day period, and all contacts (excluding packet contacts) count for QSO points credit, including the first ten.

9) Reporting: Entries must be postmarked by July 28, 1997. No late entries can be accepted. A complete entry consists of an official ARRL summary sheet (or reasonable facsimile) and a list of stations worked on each band/mode during Field Day, plus bonus proof. The list of stations worked on each band or mode may take the form of official ARRL dupe sheets or an alphanumeric listing of call signs worked per band and mode. This list may be computer-generated. Incomplete or illegible entries will be classified as checklogs. A copy of Field Day logs should be kept by your Field Day group, but should not be sent in unless specifically requested later by ARRL.

10) Condition of Entry: Each entrant agrees to be bound by the provisions, as well as the intent, of this announcement, the regulations of his or her licensing authority and the decisions of the ARRL Awards Committee.

11) Disqualification: See the Contest Disqualification Criteria for complete details.

WIAW Field Day Bulletin Schedule

In addition to the regular schedule detailed in April QST, extra CW bulletins will be run at 1400 UTC (10 AM EDT), and extra phone bulletins at 1500 UTC (11 AM EDT) both Saturday and Sunday mornings.

THE MICROVOLT

Kid's Day Operating Event Sponsored by the Boring Amateur Radio Club



1. Purpose: The Kid's Day Operating Event is intended to encourage activity by younger people (licensed or not) using Amateur Radio.

The goal is give unlicensed young people some hands-on experience on-the-air, so they might develop an interest in pursuing a license in the future. It is also intended to give hams a chance to share their station with their children.

2. Dates: 21 June 1997 and 3 January 1998.

3. Time: 1800Z to 2400Z. No limit on operating time.

4. Suggested exchange: Name, age, location and favorite color. You are encouraged to work the same station again if either operator has changed. Call "CQ KIDS DAY".

5. Suggested Frequencies: 14270 to 14300 kHz and 7200 to 7250 kHz.

6. Reporting: Logs, comments and funny stories may be posted via the Internet to kids@contesting.com. You may review these postings by visiting <http://www.contesting.com/kids/> with your web browser.

Be sure to observe third party traffic restrictions when making DX QSOs.

Those without Internet access may forward their comments to the Boring Amateur Radio Club and they will be posted for

them. A summary of the postings will also be sent with your participation certificate.

7. Awards: All participants are eligible to receive a colorful certificate.

8. More details may be obtained from the Boring Amateur Radio Club.

Send a 9 x 12 sized SASE to the Boring Amateur Radio Club; 15125 SE Bartell Road; Boring, Oregon 97009.

<http://www.contesting.com/trlogfaq.html>

Submissions: trlog@contesting.com

Administrative requests: trlog-REQUEST@contesting.com

Problems: owner-trlog@contesting.com

HANDIHAM CONTEST

On August 30th, 1997 7AM-7PM HandiHams celebrate 30 years anniversary by holding a huge contest. You do not have to be a member of Handi-Hams to enter this contest. All participants will receive a certificate.

The grand prize that gets the most points is the one that gets A Mug (not a face) with the HANDI- HAM logo on it. Linda wants this mug very bad!

FREQ
40 meter CW 7.100 to 7.150
phone 7.250-7.280

20 meters CW 14.025-14.100
phone 14.270 -14.300

80 meters 3.675-3.750
phone 3.875-3.950

15 meters CW 21.025-21.200
phone 21.350-21.400

10 meters single side-band only
28.300-28.500

The log must have date, time, station worked operator name, QTH, frequency, type of emission, power, their RST, your RST, Handi-ham member yes or no, 5 points for contacting the HDQTRS (Courage Center) W0ZSW or The camp station, W0EQO. 2 pts if you contact a handi-ham member and 1 point for a non-member. Same station can only be contacted once on each band. Submit your log, total points claimed. Your name your address your call sign, indicate if you are a handi-ham member or not. SASE 5" by 7" w/ log. Send to Jim Whitaker WB0TVL certificate custodian, 3019 O'Henry Road
Brooks Center Minnesota, 55429-2220. 73s Linda Reeder



THE MICROVOLT

UARC VOTES TO SPONSOR CLUB STATION

At its May 1 meeting, the Utah Amateur Radio Club voted unanimously to fund a program to make a club station available to its members. The program, designed by President Alan Seyboldt, KC7MUZ, will make the station available at the new Red Cross Headquarters, 440 South Fifth East, in Salt Lake City.

In the agreement with the Red Cross, the Red Cross will supply a room for the station, accessible at any time. In return, UARC will supply coax and labor to install several antennas for the Red Cross's use on non-amateur frequencies. Also, the station will be available for ARES use during emergencies.

The station will be administered jointly by UARC and Salt Lake County ARES (Amateur Radio Emergency Service). A committee will be formed having two members from each group. This group will oversee operation and general policies. Equipment ownership, however, will remain with UARC.

Alan's plan calls for a group of volunteer control operators who would make sure the station is used safely and legally.

A side benefit of the proposed arrangement is that space would be available for programs such as amateur licensing classes.

Estimated cost for coax, an HF antenna, and accessories is \$1100. The club voted to authorize expenditure of up to \$1500 to complete the station.

A number of volunteers will be needed to set up the station and make the coax runs. Watch this space and check the UARC Information Net (Sunday evenings, 146.62, 9 p.m.) for more information.



**STEAK-FRY
DETAILS**

ANNOUNCED

UARC's annual Steak-Fry and Swap Meet, the biggest event of the club year, will take place on Saturday, July 19. It will be held at the traditional location, Area 7 of the Spruces Campground in Big

Cottonwood Canyon The Swap Meet will start at about 2 p.m., and dinner will get underway at about 5 p.m.

Reservations are required and must be received by July 12. Note that the June club meeting will be the last opportunity to sign up in person.

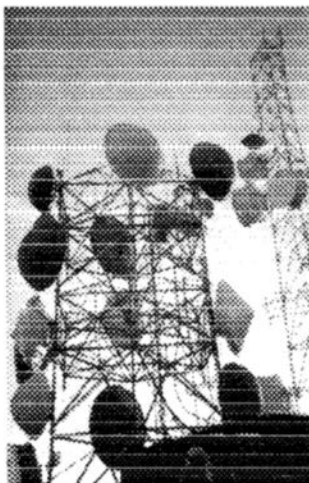
Here are the prices:

Members: \$2
 Guests: \$9
 Children: \$3

Reservations can be made by mail. Send requests and checks to the club Secretary:

Gary Openshaw, KC7AWU
 861 Roosevelt Avenue
 Salt Lake City, Utah 84105

THANKS TO GORDON SMITH (K7HFV) FOR THE TWO PREVIOUS NEWS ARTICLES.



REPEATER USER COURTESY

-Thanks to The ARRL New User Guide- Picture: Lake Mountain repeater picture courtesy of Dave Eddy KB7ZLH

These guidelines promote efficient communications and harmony between operators.

DOs:

- Speak clearly and don't key or unkey your microphone at the moment you start or finish talking. Give your rig and the repeater a moment to come on. This ensures that listeners won't miss any part of your transmission. Repeated transmissions take up unnecessary air time.
- If the repeater has a courtesy tone, the 62 does not, the 39 does. I believe the 82 does but I am not sure.)wait until you hear it before transmitting. This allows time for other stations to break in if necessary, and allow the system to reset. if you don't hear a courtesy tone, wait 2-3 seconds after the previous user has finished before making a transmission.
- If you hear a jammer, ignore him. Resist the temptation to "set the jammer straight." Don't acknowledge his presence in any way. Anything you might say about it probably doesn't belong on the band and may contribute to the problem. If the jammer has no audience, he won't have any fun and will soon be gone.

Repeater traffic priorities:

- 1) Emergency and priority
- 2) System test or maintenance transmissions by control operators or system owners.

THE MICROVOLT

- 3) Public service
- 4) Fixed (base) stations should ensure that mobile and portable stations have priority, especially during the commute hours of 6-8 AM and 4-6 PM. The weekday commute hours are the only time many hams can get on the air.
- 5) Fixed (base) station communications.

- Follow the FCC's requirement to identify your station once every 10 minutes and at the end of a QSO. But don't "over identify" by sending your call sign after every transmission.
- Ask somebody for a signal report if you're using a hand-held transceiver with a "rubber ducky" antenna. Little rigs can't always capture the repeater's receiver adequately. The excessive noise of partial quieting made by weak signals is irritating to those who monitor for extended periods.
- There are always other operators and people with scanners listening. Don't say anything that should be "private" and do your best to sound friendly, professional and courteous.

DON'Ts:

- Don't use radio jargon. Talk as you would over the telephone. Listen and learn from the examples of experienced users. Don't say things like "QSL," "Roger that," "10-4," "What's your QTH?" and "The handle here is..." Such terminology is often a misused habit carried over from HF, Citizens Band or public safety services, and on local Amateur radio repeaters it confuses more than it communicates. Keep in mind that there are probably dozens- even hundreds- of other hams listening to the machine and nonhams monitoring with scanners. You may not hear them, but they hear you. Ensure that they get the best impression of your operating skill and of the Amateur radio service.
- Don't break an ongoing QSO unless you have emergency or priority traffic or something valuable to add. (ed. Some of us have learned this the hard way!)
- Don't use the repeater to shoot the breeze endlessly with a local station. Make your contact and move to a simplex frequency. (62 is a designated rag chew repeater and I think that this does not relate to the 62.) The system is designed for mobile and long-distance QSOs, not for local ragchewing.
- Don't carry on a QSO longer than necessary. Allow others to use and enjoy the system. Limit your QSOs to a reasonable length, especially during commuting hours.
- Don't use excessive microphone gain. Distorted voices and background noise make it difficult to carry on an enjoyable contact. Speak across, rather than directly into, the mike element and talk at a reasonable volume level. Nothing's more frustrating than operating a mobile station and trying to copy someone who mumbles. It's irritating to have one person in a roundtable whose voice is extraordinarily loud. If in doubt, ask other users for an audio report.
- Don't "think out loud." If you have nothing to say, release the push-to-talk button. If you forget what you were going to say next, drop it.
- Don't acknowledge a "no contact" or announce that you are clear after calling a station that doesn't answer. If the station doesn't answer, everybody who heard your call knows that- why announce it?

FEATURE OF THE MONTH -JUNE

This month we are featuring Brent Thomas AC7II. Brent has been in amateur radio since 1963. He obtained his extra class license in 1976. This was the one and only time that the two by one A-calls were issued to extra class operators in honor of the bicentennial.

For seven years, Brent has been the secretary treasurer for the Utah VHF Society. This year the VHF Society decided to divide the job. Brent is the treasurer and John Maybey W7CWK is secretary. Brent is a VE examiner and is the contact person for testing in Davis County. He is a member of the Davis County Club and runs their bookstore.

He is also the Races Director for the state of Utah. Races stands for Radio Amateur Civil Emergency Service. He says that there are 1100 members in the state of Utah. His favorite facet in amateur radio is public service and emergency response. He is also working with Utah Packet Radio Association in developing a state wide high speed packet radio systems.

For 25 years, Brent has worked for Utah Power and Light as a supervisor and technician. He presently works for the state of Utah Department of Public Safety Division of Comprehensive Emergency Management as the Communication Manager of the state EOC.

Brent, thank you so much for your contribution to amateur radio.

73 N7HVF Linda Reeder

THE MICROVOLT

HAPPY
FATHER'S
DAY!

FROM THE MICROVOLT
STAFF

PLEASE REMEMBER THAT IF YOU
HAVE AN ADDRESS CHANGE OR
SOMETHING ABOUT YOUR
MEMBERSHIP THAT NEEDS TO BE
ADJUSTED- PLEASE CALL GARY
OPENSHAW AS THE MICROVOLT
EDITOR CANNOT HELP YOU-THANKS

The Utah Amateur Radio Club would like to extend their deepest sympathy to Dee Christensen in the lose of his wife this past month.

