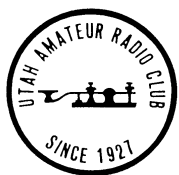




Photo: Ron Speirs KC7MYS

1999 FIELD DAY - THE MAST GETS ATTACHED TO THE BOOM

Volume XLIV Issue 3, March 2000



The MICROVOLT

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Prologue

The Utah Amateur Radio Club was organized under its present name in 1927, although its beginnings may date back as early as 1909. In 1928, it became affiliated with the American Radio Relay League (club #1602) and is a non-profit organization under the laws of Utah. It holds a club station license with the call W7SP, a memorial call for Leonard (Zim) Zimmerman, an amateur radio pioneer in the Salt Lake City Area.

Meetings: The club meets each month except July and August. The meetings are held on the first Thursday of the month at 7:30 PM in the 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 84109. 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. □

UARC 2000 Board

President: Maurine Strecktenfinger, K7HOZ	254-1536
Exec VP: Alan Seyboldt, N7OI	572-8112
Vice Pres: Gordon Smith, K7HFV	582-2438
Secretary: Gregg Smith, KD7APW	255-0344
Treasurer: Chuck Johnson, WA7JOS	268-0153
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Asst. <i>Microvolt</i> Editor: Bruce Leonard, KJ7HZ	576-9162
Program Chair: Dick Abbott, K7MZ	943-0370
Program Chair: Darryl Hazelgren, AF7O	942-3817
Imm. Past Pres: Gary Openshaw, KC7AWU	484-3407

Committee Chairpersons and Members

"Book Lady": Fred Desmet, KI7KM	485-9245
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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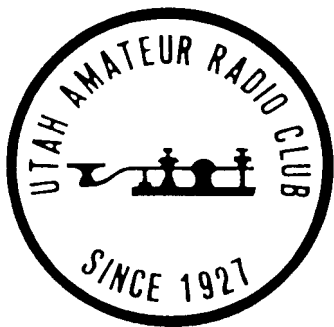
For late breaking news listen to the UARC Information Net Sundays at 21:00 on 146.62 or set your browser to:
www.xmission.com/~uarc/announce.html □

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The Microvolt

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

Volume XLIV, Issue 3, March 2000



I believe that as Hams, the most important service we can give back to the Amateur Radio community is mentoring (Elmering). I came into the hobby in 1994 as a "no code" technician, and had no plans to be anything else. I knew for sure that I wasn't interested in the "Code", but I did know that I liked the people I met in Ham Radio. Well, thanks to great Elmers, I found out that Code is a lot of fun, HF is awesome, and there is more to Amateur Radio than I ever dreamed. I am so grateful that these people take the time to explain, advise, and help us learn.

I was so pleased to hear that Dick Abbott and Darryl Hazelgren, our program chairmen, have started a mentoring session to be held at the end of each UARC meeting [see photo -ed.]. There will be people there to answer your questions and help with problems you may be having concerning all parts of the hobby, and if they can't help you, someone will be found that can.

I believe that this program will strengthen UARC, because when we are willing to help each other, it brings us together and makes us all stronger. We would like to hear from those of you who would be

willing to be an Elmer.

Our meeting at the Emergency Operation Center in February was extremely interesting. I was happy to see how much emphasis has been put into Amateur Radio, and how closely they will be working with the Ham Community. We would like to thank Brent Thomas and all his helpers for allowing us to tour their facility. I feel very secure in knowing that the communications part of a disaster of any kind will be very well taken care of. It is so important to get the right people to where they are needed the most, and as quickly as possible. [See photos on p.8 -ed.]

Thanks to Dick and Darryl for arranging this informative meeting for us.

I'll see you in March for another great meeting.

Thank you and 73,

Maurine Strecktenfinger K7HOZ □



Photo by Ron Speirs KC7MYS

Elmer Session after January Meeting

Myanmar DXpedition

8 FEB 2000 *Salt Lake City, Utah* The last group of XZ0A team members has arrived home after a very successful expedition to Thahtay Kyun Island, Union of Myanmar (located in the Andaman Sea at 09 57 N 98 32 E off the southernmost tip of the Union of Myanmar, Zone 26, Southeast Asia). The operation went QRV on 14 January and QRT on 6 February. As of 4 February, the team had made over 75,000 contacts.

The team arrived on the island on 11 January and began assembly of the low-band antennas from the equivalent of Rohn 25 tower sections. These consisted of a full-size 80-meter four-square, a full-size 40-meter four-square and a full-size, elevated feedpoint, 1/4 wavelength transmitting tower for 160 meters. A full complement of LF beverages was used for receiving. Various yagi and vertical antennas were used for the other HF bands.

The stations consisted of eight positions running FT-1000MPs and Alpha amplifiers with full size antennas on all bands. Although the great majority of contacts were made on 80 through 10 meters, there were also dedicated stations, with specialized operators, for Top Band, RTTY and 6 meters. This was the first ever XZ IOTA, and a brand new prefix.

The XZ0A DXpedition team represented a wealth of operating experience from seven countries: England, Indonesia, Japan, México, Spain, Thailand, and the United States. Currently, licensure is not possible for Myanmar nationals, but we are hopeful that this will change in the near future.

XZ0A Operators were:

EA5XX	Julio Volpe O'Neil - Alicante, Spain
G3VMW	Steve Wilson - Bramham, England
G3NOM	Ray Gerrard - Sarika, Thailand
JA1UPA	Setsuko Hayashi - Tokyo, Japan
JA1UT	Yoshio Hayashi - Tokyo, Japan
JR0CGJ	Tada Shimuzo - Nagano, Japan
KM5EP	Sally Brown-Martínez - Albuquerque, New Mexico
N5IA	Milt Jensen - Virden, New Mexico
K6RKE	Don Wilson - La Cañada, California

KD6XH	Clifford Hauser - Tucson, Arizona
AF7O	Darryl Hazelgren - Sandy, Utah
K7TR	Robert Johnsen - Phoenix, Arizona
K7VS	Van Sias - Medford, Oregon
K7WX	Warren Hill - Mesa, Arizona
K7ZV	Rich Chatelain - San José, California
N7XYR	Sara Brown - Page, Arizona
NA7DB	Dan Brown - Page, Arizona
V73GT	George Talbot - Kwajalein Atoll, Marshall Islands
WF5T	Paul Rubinfeld - Santa Fe, New Mexico
WA6CDR	Robin Critchell - Fountain Valley, California
WY7K	Millie Thompson - Phoenix, Arizona
W8AEF	Paul Playford - Phoenix, Arizona
XE1L	Luis Chartarifsky - México DF, México
YB0ARA	Phil David - Jakarta, Indonesia

This operation was scheduled to coincide with a period of favorable propagation to Europe and North America on the low bands. On the XZ0A web site there was an area devoted to zone-by-zone propagation information, prepared by the propagation expert, Carl Luetzelschwab, K9LA. By clicking over any QTH on the world map, one could see a chart of hour-by-hour band openings for that location. We trust this information made it possible for many to work an all-time new country or to fill in some band/modes.

Our deepest appreciation goes out to Ray, HS0/G3NOM, and several members of the Radio Amateur Society of Thailand, who joined us for several days, for their assistance in obtaining tower sections for our low-band antennas and providing invaluable engineering support as well as for their assistance in erecting the towers. This was a highly collaborative project, with help from many sources in Asia, Europe and North America.

More complete details can be found at the DXpedition web site:

<http://getnet.com/~k7wx/myanmar.htm>

Bureau QSLs: Cards should be clearly marked XZ0A via W1XT.

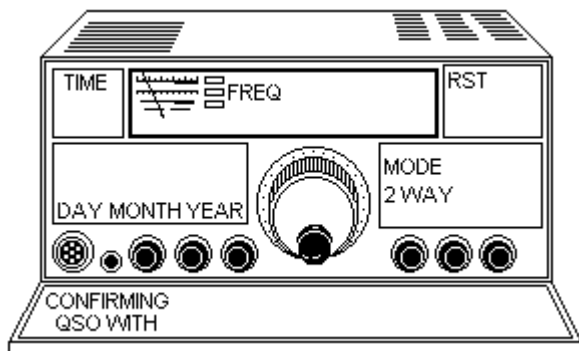
Any questions about XZ0A QSLing may be

directed to: Bob Myers, W1XT at:
w1xt@superphoenix.com

Dan Brown, NA7DB, Team Leader and Logistics Wizard, will present this expedition to the Utah Amateur Radio Club during its regularly scheduled meeting March 2nd, 2000, at 7:30 pm. This is your chance to see the slides and video before they make the circuit to Visalia, Austin, Dayton and Phoenix. Don't miss it.

Darryl Hazelgren, AF7O

Editors note: The participants in this Dxpedition are to be commended not only for advancing the hobby, promoting international good will, and having a great time. They should also be recognized as being enthusiastic enough about amateur radio to take a significant degree of risk. Our group has research facilities in the region, and I happened to be in Thailand and Indonesia while the Dxpedition was returning to their homes. I was particularly uncomfortable in rural Thailand, since the Burmese (the Myanmar "Republic" previously was Burma) are very serious about their dislike for the Thais and have repeatedly demonstrated their feelings militarily. A major firefight occurred while I was there; the only reason that it did not receive more international attention was considerable apprehension about a possible coup in Indonesia at the same time. The fact that amateur licensing is not acceptable in the "Republic" is an example of the typical relationship between the ruling military government and its citizens. □



Contesting Calendar for March 2000

ARRL Intl DX Contest - SSB	0000Z, Mar 4
4ARS Spartan Sprint March - CW	0200Z, Mar 7
AGCW YL CW Party	1900Z, Mar 7
WWL DX Contest - CW/SSB	0000Z, Mar 11
DIG QSO Party (10-20 m) - SSB	1200Z, Mar 11
QCWA QSO Party - CW/SSB	1900Z, Mar 11
DIG QSO Party (80 m) - SSB	0700Z, Mar 12
DIG QSO Party (40 m) - SSB	0900Z, Mar 12
Wisconsin QSO Party - CW/SSB	1800Z, Mar 12
Alaska QSO Party - CW/SSB/DIG	0000Z, Mar 18
Virginia QSO Party (1) - CW/SSB	1800Z, Mar 18
Virginia QSO Party (2) - CW/SSB	1100Z, Mar 19
CQ WW WPX Contest - SSB	0000Z, Mar 25

See www.contesting.com and www.sk3bg.se for more comprehensive listings and rules □

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Bob Wood W7OAD, UARC Member

TIGGER'S CORNER

Really Ready For Spring

I have spring fever; I can hardly wait for that first sixty degree Saturday in March. This time of year it gets frustrating to stay inside when all the promise of spring and, later, summer's fun are right on the doorstep. As a ham, I'm sure you have some antenna projects saved up, waiting for shirtsleeve weather. I find I've put off putting up and repairing dipoles and things that require me to climb trees or to get up on the roof. (Perhaps the reminder of nature's law of gravity, and the physics lesson I learned about "terminal velocity" whilst putting up holiday lights has something to do with this too.)

It's time to kill two birds with one stone so to speak. The first thing is to kill winter's blaahhs. The second is to get things like radios and camping gear ready for summer's fun. We have a lot to look forward to this spring and summer. It's amazing just how fast all the weekends in June, July, and August get filled up. Just looking at the calendar for June and July, something struck me -- every weekend already has something fun planned. Just to name a few items, we have our field day on the 24th and 25th of June and the Utah Hamfest at Ruby's Inn (Bryce) on the 7th, 8th, and 9th of July. Steak Fry is the following weekend, on the 15th. Now add in things like Memorial Day, Mother's Day, Father's day, Independence day, Pioneer day, On-Target, Friendship cruise, Wasatch 100, Lone Peak Hamfest and the like, and you'll find you are going to be very busy from the last week of May till the middle of August.

That means you're not going to want to miss out on a minute of the fun by discovering at the last minute that your lantern's broken, the generator won't start, your sleeping bag reeks, the tent is torn, or something similar.

I hate winter, and I find that it takes the edge off to get my summer camping gear out and get it repaired and ready for the upcoming season. I really enjoy the anticipation it invokes to do this early on, without any specific deadline. And it also gives me the time to get a repair part if I need to. Next time it snows, try what I do. Go start getting out your summer stuff and start cleaning it. Fix your lantern mantles, rebuild the carb on your generator, launder your sleeping bag. Or the best one! -- GO SHOPPING! Buy a new piece of summer gear in

March. You'll be surprised just how fast winter's blaahhs disappear. And you'll be ready for summer fun at a moment's notice.

Have Fun, Cya KA7TGR

An addendum: I feel it's time to retire "Tigger's Corner". I've enjoyed writing this column for a little over a year now, and I feel it's time to let someone else have a turn using this forum. In December 1998, Bruce Bergen approached me with the idea of writing this regular column. At first I thought it would be difficult, but it's turned out to really be fun to put together and easier than I thought. But it's time to let someone else's views be heard. I plan to write the last installment of the column for publication in the May 2000 issue. (If the editor will allow me, I would still like to be a contributor from time to time in the future.) I look forward to reading someone else's opinions. There are a lot of diverse and talented people in UARC. It's time YOU volunteered and let your voice be heard. (And not on the .62 repeater either.) KA7TGR

Editor's note: The loss of Tigger's contribution increases even more our dependence upon the membership for spontaneous contributions to Microvolt. We welcome your thoughts. □

Examination Schedule

03/01/2000 (Wed.) Farmington
Contact: Marc Uhrey, AB7PL
Phone: 771-0105; 536-4782

03/08/2000 (Wed.) Mantua
Contact: Niko Takahashi, AA7OL
Phone (435)512-5919

03/15/2000 (Wed.) Provo
Contact: Steve Whitehead, NV7V
Phone 465-3983; 225-5200

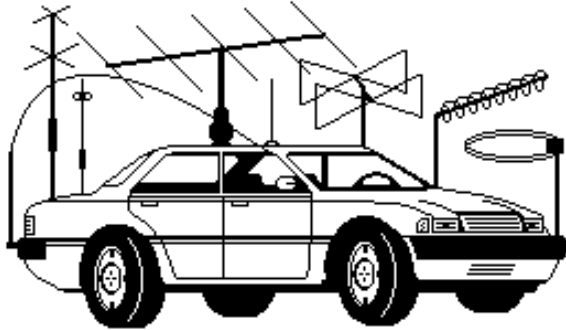
03/28/2000* (Tues.) Salt Lake City
Contact: Eugene McWherter, N7OVT
Phone 484-6355

04/01/2000 (Sat.) Salt Lake City
Contact: Gordon Smith, K7HFV
Phone 582-2438; 534-8116

04/12/2000 (Wed.) Mantua
 Contact: Niko Takahashi, AA7OL
 Phone (435)512-5919

*Only Novice and Technician elements (1A,2,and 3A) 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> □



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. □

Plans for Annual Field Day

The annual Field Day contest is one of UARC's biggest events and plans are already underway for this year's Field Day. If you would like to be on the Field Day Committee, get in touch with one of the Program Chairpersons, Dick Abbott, K7MZ, (943-0370) or Darryl Hazelgren, AF7O (942-3817).

[See the inside front cover for more detailed contact information. -Ed.]

This year's plans are already sounding big: as many as six stations operating the whole period and help from the Utah Contest Club. The June meeting will be devoted to Field Day and will be a hands-on training meeting to help newcomers learn how to operate the contest.

Field Day is a national contest sponsored annually by The American Radio Relay League (ARRL). It is held on the fourth Saturday of June and the following Sunday. This year, it will be on the 24th and 25th of June. The object of the contest is for portable and mobile stations to make as many contacts as possible (mostly on the HF bands) during a 24- or 27-hour period. The purpose of such a contest is to give as many operators as possible experience in the sort of long, stressful operating away from normal facilities that might be necessary in an emergency.

In recent years, UARC has entered the contest from a site near the Payson Lakes campground in Utah County. This has proved a good site for a family campout combined with the contest. A new wrinkle this year will be a pot luck Dutch oven dinner on Saturday night. Those who would like to provide a dish are encouraged to sign up. To get a better feel for what Field Day is all about, see the article and photos from the 1999 Field Day on the UARC webpage (www.xmission.com/~uarc)

In Spite of Everything

.....We must be doing something right!

Editor:

Thanks for including me on the Microvolt mailing list. You do a GREAT job! It's one of the finest in the entire Division. Please send me a copy of the member survey results after you've compiled them, so I can better understand your membership profile. All the best in 00....

73, Walt Stinson, W0CP
 ARRL Director
 Rocky Mountain Division. □

March Meeting

Darryl Hazelgren, AF7O, is back from his DXpedition to Myanmar, and he reports it was a great success (see article in this issue of the Microvolt). Now it's time for the full story. At the March UARC meeting, Dan Brown, NA7DB, the team leader, will be presenting his slides and a video of the operation. Dan used a new digital video camera on the island, and the results are being edited by WA7LNW who is a professional videographer. UARC should feel particularly honored to be the first to see this show. It will undoubtedly be making the rounds to better-known DX venues such as Visalia, Austin, Dayton, and Phoenix.

The operation was to Thahtay Kyun Island, part of the Union of Myanmar, although it is off the coast of Thailand. It is the first time this island has ever had amateur radio transmissions sent from it, and one of only a handful of times that Myanmar has allowed any kind of amateur radio activity.

The DXpedition employed a number of very well-equipped stations on a multitude of bands and modes using the call XZ0A. There were 24 operators representing seven countries. Together, they made a total of 79,639 QSOs. This puts XZ0A in second place for all DXpeditions of all time for number of contacts.

For more information about the DXpedition see Darryl's article in this issue and the official DXpeditionWebsite:

<http://getnet.com/~k7wx/myanmar.htm>

The meeting will be held March 2 at 7:30 pm and will also sport the customary features of UARC meetings including a chance to meet the people you've worked, see the latest ARRL books, attend a post-meeting "Dime-Lime", or get in on the new "Elmer Hour," a chance to get your questions answered or to help answer the questions of others.

For the newcomer, a map and instructions are available on the UARC Home Page

www.xmission.com/~uarc

and also via the Ham Hotline (801-583-3002). □

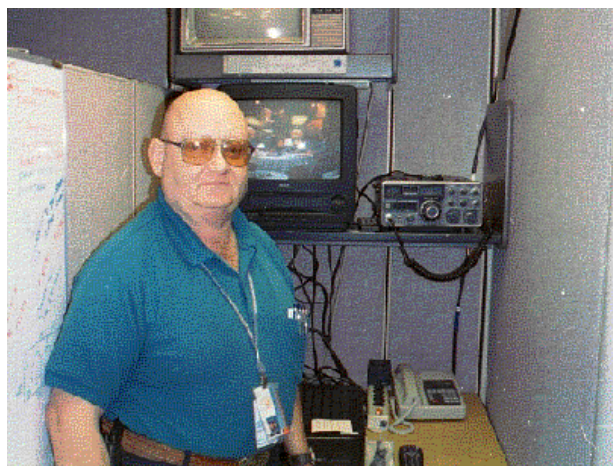
Photos from the February Meeting



Brent Thomas Enlightens the Troops



Carol McWherter



Eugene McWherter
[Photos by Ron Speirs KC7MYS]

Treasurer's Report

UARC Economics 101

As an engineer, it would seem that I would be the last person on earth to be advocating a position from a bean-counting perspective, but as the UARC Treasurer, that's the short straw I drew this month.

A cursory look at the annual financial statement published in last month's Microvolt shows that UARC is financially stable, but we could be doing a lot better. If we remove the "pass through" expenses from the report, UARC spent about \$11,500 on club activities for about 550 members, or an expenditure of about \$21 per member. Now ask yourself, "Self, if dues are \$15, how can we spend \$21?" I'm glad you asked that question. The majority of that difference comes from the yeoman efforts of our "book lady", Fred DeSmet.

Now why am I telling you all of this? It's NOT to justify a dues increase! First, it's a plea to support UARC book sales. Secondly, I would like to ask every one of you to help UARC recruit and retain members. There are over 8000 licensed hams in the state of Utah. Since UARC pulls the majority of its membership from the Wasatch front, it doesn't seem unreasonable that UARC membership should exceed 1000.

What will this do, you ask? The fact is that the Microvolt is the largest budget item. Great effort has been expended in recent years to improve the quality of the Microvolt. The incremental cost of printing additional copies is dwarfed by the setup cost for printing the first copy. Additional membership will reduce the average price per copy, leaving additional funds for repeaters, club meetings and other activities.

So here's the "bottom line". UARC needs YOU to help our club grow. The UARC board voted last month to expend more money for club meetings. The effect of this should be new, interesting and diverse topics and speakers. Talk up the benefits of membership to your friends. Invite them to join UARC, to support the activities of the club, and to participate in the club. Drag them to club meetings and sign them up (you'll get a free month of membership). Once they see what UARC has to

offer, they'll see what a bargain membership is.

Chuck Johnson, WA7JOS

And on that note.....

Secretary's Report

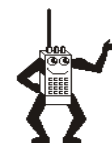
Money Saving Tips from the Secretary

During the last few months I have accumulated some ideas for preserving the club's funds.

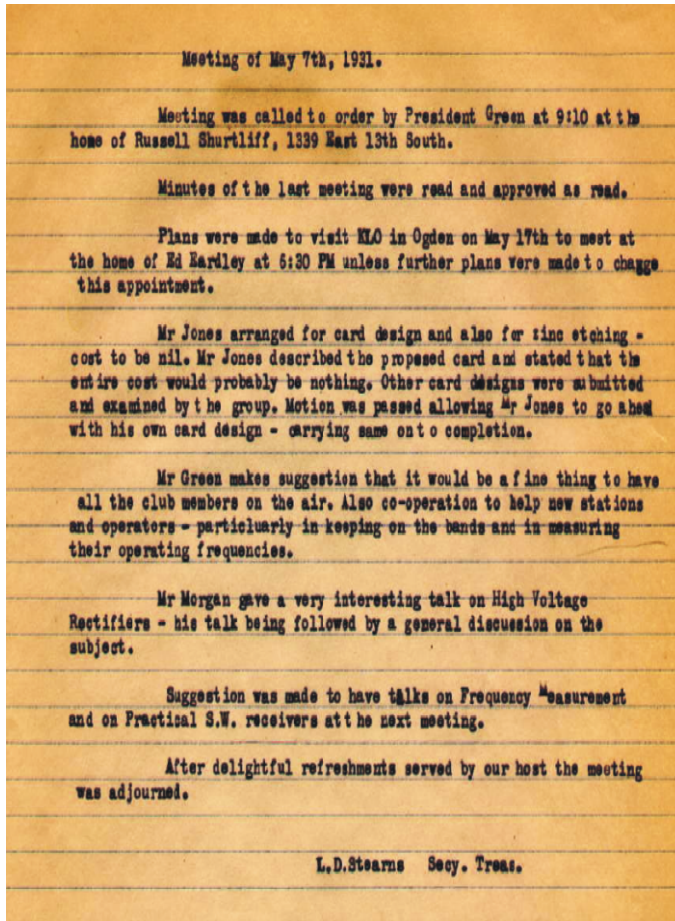
When a membership expires I wait for one month for the dues to be sent in by each member. The next step is to send out a renewal letter. The cost to the club is 50 cents per letter. The numbers are not extraordinary by themselves, but if each member needed a letter each year the cost would be \$275.00 for each letter. Please monitor the expiration date on your microvolt mailing label. Your club membership expires the first day of the month listed on the mailing label. Dues can be paid at the club meeting or can be sent by mail to UARC c/o Gregg Smith, 7546 Uranium Dr., West Jordan, UT 84084-3942. We realize that life is crazy, and we will continue to send letters to those who need the reminder. A second way to save money for the club is to watch your QST label. The ARRL sends out a renewal letter to all members whose memberships are expiring. Please bring the renewal letter and a check for \$ 34.00 to the meeting. The club is able to retain \$ 2.00 for local use. Please make the checks payable to UARC.

The club roster is posted on the website. Please advise the secretary of any changes to your record. We expect many changes of license classification in the immediate future. All changes will be updated only after you make us aware of the new information. Changes can be sent by mail, e-mail, or phone. Send e-mail to kd7apw@arrl.net or by phone (801) 255-0344. The club will sell name badges to those who desire them. We will announce more information at the next meeting.

Thank you for YOUR support of OUR CLUB. We need every member.



A Blast from the Past



Scott's Hill project

Work continues on the Scott's Hill site under the direction of Bruce Bergen, KI7OM. The site is ultimately expected to be the location of a 146.62 repeater operated synchronously with the Farnsworth Peak repeater on the same frequency. This will be the first such synchronous pair in the State.

Projects on-site for the summer of '99 ended with installation of a ground system and feedthrough plate, improvement of the door seal, power line protection, installation of an electric heater, and work on the racks that will ultimately house the equipment. Earlier in the summer, a new roof and insulation had been the priority projects. Now that the site is snowbound, the focus of activity has shifted to various basements (particularly that of KA7OEI) where different pieces of equipment are being built, modified, tested, and/or programmed.

Anyone who would like to help with the project should get in touch with Bruce Bergen, KI7OM. At this point the greatest need is for people who can build and test various subsystems. More details and pictures can be found on a special Scott's Hill page at the UARC webpage:

www.xmission.com/~uarc

The Scott's Hill page is maintained by Clint, KA7OEI. Also check Clint's explanation of how a synchronous repeater system would work. □

In Memorium

Hedwig Eva Marie Kiesler is not an immediately recognizable name to Hams. Her stage name, Hedy Lamarr, is familiar only to a few old folks and/or movie buffs like me. The story of her contribution to communication technology, however, should excite any of us who like to bread-board and read Hints and Kinks in QST.

Ms. Lamarr's film career was not distinguished -- her most notable successes were the first completely nude movie scenes ("Ecstasy" - 1933) and playing Delilah to Victor Mature's Samson in Cecil B. deMille's screen extravaganza. She was however, a unique individual. Her most famous quotable statement was "Any girl can be glamorous. All you have to do is stand still and look stupid." Stupid she wasn't.

She actually new Adolph Hitler from her early days in her native Austria, and during WWII she was active in U.S. war bond drives. She enlisted the aid of film composer George Antheil to design what was to become spread-spectrum technology (patent #2,292,387) to protect radio-controlled guidance systems. She conceived the concept while listening to Antheil randomly hit keys on the piano.

Think of her when you use Corel products (CorelDraw, etc). She successfully sued Corel when she discovered that they were (and still are) using her likeness on their packaging.

For details and a drawing from the patent application see: www.ncafe.com/chris/pat2/patstart.html

Manford Gooch, AB7PM □

FCC to ARRL: no expansion of PRB-1

If you live in a condominium or other housing with deed restrictions, you will not be getting any assistance from the FCC that will let you put an antenna on the roof. This as the regulatory agency turns down a bid from the American Radio Relay League to expand the scope of federal preemption over Amateur Radio operations.

The League wanted the FCC to in effect declare any restrictions limiting amateur radio antennas to heights below 70 feet as unreasonable. The only exceptions would have been if the state or local authority could show that the restrictions were necessary for health, safety or aesthetic reasons. But the Commission says no to the League's request, saying its existing policy with PRB-1 is sound. And, the agency says, it would be neither prudent nor appropriate to set a height standard for Amateur Radio antennas and towers. The FCC also says it does not want to impose specific rules that local governments must include in zoning ordinances.

The League had also asked the FCC to clarify that local governments should accommodate Ham antennas, rather than balance local interests against federal interests involving effective public service Amateur Radio communications. And the ARRL wanted the Commission to pre-empt what it called overly burdensome conditions and high costs that localities might require involving Amateur Radio antenna installations.

The Commission says its previously set standards have worked relatively well.

World Radio/Newsline

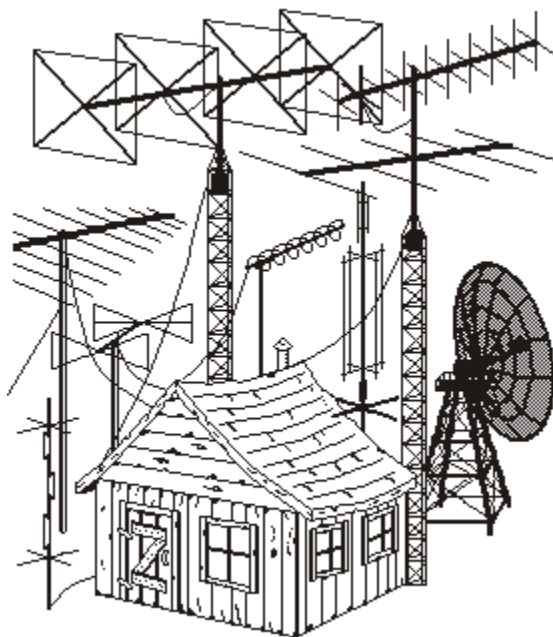
Editorial

After the above ruling, the ARRL petitioned the FCC for a reconsideration of the original petition denial, and a response is pending. There has been considerable editorial comment in non-League publications stating that the League's position is unreasonable. Expression of an alternative view appears required, if only for balance. The ARRL would like to see PRB-1 formally applicable to

amateurs living in areas subject to condominium rules, deed restrictions, restrictive covenants, etc. The FCC has taken the position that their prerogative under PRB-1 does apply in instances of local zoning disputes, and courts have drawn upon that opinion in judicial rulings. However, the FCC has stated that the broader application is "outside the reach of (their) limited preemption." The League's position is that the FCC has already extended their reach beyond the "limited preemption" by having indicated that it has Congressional authority to prohibit such covenants and restrictions when they apply to receiving antennas (local and satellite TV, etc.). The League feels that by applying PRB-1 to these other local land use regulations, the FCC would create a situation within which amateurs could negotiate reasonable compromises with local authorities with regard to antenna height and placement, as well as applicable fees and permits.

Many amateurs, as well as their neighbors, find themselves in domestic situations in which they would not like to have a 70-foot tower next door. In addition, they/I often learn a lot of theory by struggling with "stealth" antennas. However, a broadening of the FCC position would provide greater flexibility for us all and would be welcome to this Ham. What do you think?

Manford Gooch, AB7PM



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