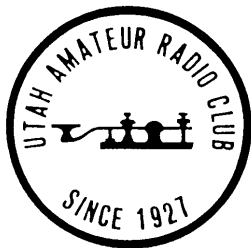




Jack Hood, GM4COX, presented to us “Summits On The Air” and his successes of operating QRP from summits in Scotland.



Volume 49, Issue 5, May 2006

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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 University of Utah Engineering and Mines Classroom (EMCB) building, Room 101.

**Membership:** Club membership is open to anyone interested in amateur radio; a current license is not required. Dues are \$17 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 \$17 may obtain a membership without a *Microvolt* subscription for \$9. Send dues to the Club Secretary: Dick Keddington, KD7TDZ, 1933 Woodside Drive, Holladay, UT 84124-1632. 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 (uarc@xmission.com), but other means including diskettes and typewritten submissions can be mailed directly to: Telvin Mills, 6864 Beargrass Rd., West Jordan, UT 84084. 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: Dick Keddington, 1933 Woodside Drive, Holladay, UT, 84124-1632.

## UARC 2006 Board

President:: Roy Eichelberger, W7ROY	571-2447
Executive VP: John Brewer , N7MFQ	837-5646
Vice Pres: Gordon Smith, K7HFV	582-2438
Secretary: Dick Keddington, KD7TDZ	274-9638
Treasurer: Chuck Johnson, WA7JOS	268-0153
<i>Microvolt</i> Editor: Telvin Mills, KB6BYU	968-5089
Asst. <i>Microvolt</i> Editor: Bryan Mogensen, W7CBM	281-1752
Program Chair: Brett Sutherland, N7KG	298-5399
Program Chair: Dave Jeffs, KK7WI	538-3506
Imm. Past Pres: Glen Worthington, WA7X	272-8825

## Committee Chairpersons and Members

"Book Lady": Fred Desmet, KI7KM	485-9245
Historian: Ron Speirs, K7RLS	968-4614
Field Day Chair: Vacant	
Club Trustee: Brett Sutherland, N7KG	298-5399
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

## IRLP Information

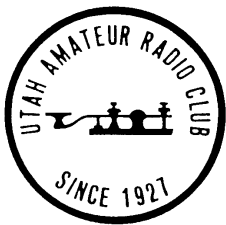
For information on using the club's IRLP node on the 146.76 repeater, check <http://www.utaharc.org/irlp>.

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](http://www.xmission.com/~uarc/announce.html)

We are grateful to the management of XMission, our Internet Service Provider (ISP), for the donation of this Web-Page service.

For account information go to:  
<http://www.xmission.com/>  
Or call 801 539-0852





# The Microvolt

May 2006

## QST From the Prez

The topic for this month is The COW. No, not the moo type. The COW I'm referring to is actually a Communications On Wheels. The board purchased the COW for a modest amount of the club's funds. We feel it was a good purchase, but now realize there are some liabilities connected with ownership of the COW.



1. Storage- Luckily Glen, WA7X, has been able to help with this; however, this may not be a permanent solution. It could be a chore to re-locate it.
2. Injury- Someone could be injured in the putting up and taking down of the tower. Also, a possibility of injury or even death if the tower were to blow over while it was up.
3. Transportation- Transportation of the COW could present another liability, as our insurance does not cover it. It also would take a one-ton truck to transport it.
4. Guying- The tower is 85' tall and requires guying and is very hard to do so properly in the mountains where we hold Field Day. It would also be very hard in an emergency response on asphalt.

Now, the good news is we have an opportunity to sell the COW. We could realize approximately 1400% profit for the club. We also keep the 8KW generator and fuel tank from the COW for the club's use. With some of the profit we could purchase a nice trailer to place the generator on.

So, the question to you (the club members and board) is this – should we sell the COW or not? **Deal or no deal?** (hey isn't that a game show?).

I invite all to respond to this question. By e-mail to [w7roy@netzero.net](mailto:w7roy@netzero.net), [john@beehive.net](mailto:john@beehive.net), [k7hfv@arrl.net](mailto:k7hfv@arrl.net) or call the ham hotline at 583-3002 leave your message. Make sure to leave a name and call so Linda Reeder can get the messages and e-mail them out to the board members.

Don't forget that Field Day is coming up quickly. Make your plans now to attend. It'll be fun!!

73 de W7ROY



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### Special points of interest:

- ♦ UARC Meeting May 11th (Second Thursday)
- ♦ Field Day, June 24th and 25th
- ♦ Steak Fry, July 8th
- ♦ WIMU 2006, Jackson Hole, August 4, 5, 6, 2006
- ♦ IRLP on 146.76 Operational



## Member of the Month

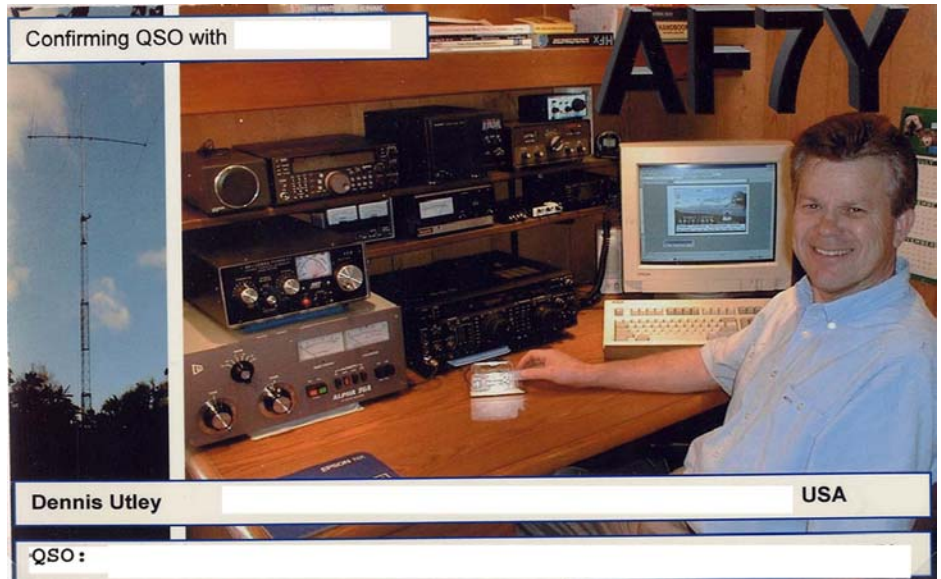
This month we are featuring Dennis Utley, AF7Y. Dennis obtained his Novice license in 1959. His call sign was KN7JLF. From his first CW contact at age 15, Dennis says he was fascinated by the idea of sending out his modest RF signal and seeing how far it would go. Many years has passed since then, but the thrill is still there when he tries to talk to other amateur radio operators around the world. In 1991 Dennis worked hard to pass the Extra class license. Gordon Smith, K7HFV, was one of the volunteer examiners for the 20 words per minute code to get the Extra class license.

Dennis first became interested in amateur radio in 1958 when his mother got him a subscription to *Mechanix Illustrated* magazine. The magazine had occasional articles about amateur radio. One magazine included an ad for a book on how to become an amateur radio operator. He sent for the book, and soon he and his friend Darryl Hazelgren, now, K7UT, took their 5 wpm code test, and written exam for the Novice class license. Dennis says Amateur Radio is a hobby that can keep friends together through the years (now almost 50 years).

Dennis and his wife Sue have five children and three of them are licensed. Jon, K7CO; Brian, KB7GHF; and Joann, KD6FWP. Sue also has her ham license. Her call sign is N7TZY. Dennis and Sue also have 23 grandchildren and they are hoping to get some of them involved with amateur radio.

Dennis worked for Epson America for almost 20 years. Most recently he was the Northwest Region Manager for Epson's Digital Projector group.

Dennis is a Utah native, but has lived in several other states. Until retiring back to Utah a few years ago, Dennis and Sue lived in the San Francisco Bay area (Alameda, CA). Dennis and Sue like to go back to the Bay area as often as possible to check on their sail boat, and do some Maritime Mobile operating. Dennis has also lived and operated from



Idaho and Colorado.

What does Dennis like best about amateur radio? Dennis is an avid DXer and also enjoys contesting. He has operated from several places in the U.S. as well as from remote DXpedition sites. While operating in Jamaica he had the call sign 6Y2A as part of a team that won the Multi-Transmitter/Multi-Operator class for the 1998 CQ World Wide CW Contest.

His son Jon, K7CO, was also part of the team. He and Darryl also went on a DXpedition to the Spratley Islands in the South China Sea. He had the call sign 9M0M. Dennis received his first DXCC (100 countries confirmed) in 1967. Just recently Dennis decided to work 100 countries using low power, less than 5 watts. It took him approximately six months to accomplish this. What a challenge this was, but it was fun. Dennis has also operated from Germany and Hawaii.

Another interest Dennis has is writing. He has written an article about QRP operating from Hawaii at a bed and breakfast for hams in Maui in Hawaii. (Go to Google.com and search for AF7Y). He was vacationing there with his wife Sue. While they were there he did a lot of QRP operating. Dennis also enjoys flying. He is a private pilot and flies single engine planes as well as high performance gliders. Dennis also enjoys scuba, golf, and skiing. He was able to do a lot of Scuba on the DXpedition to Spratley Island.

Dennis is a member of UARC, the Utah VHF Society, the Northern California Contest Club and the Central Arizona DX Association. Dennis is also a member of the Utah DX Association. Darryl Hazelgren, K7UT, is President and Dennis Utley, AF7Y, is Vice president. This club was originally formed in 1967 and recently restarted. The club is focused on DX-ing and also DX contesting. Members of the club are from the entire state of Utah. The club call sign is K7UM in honor of Morley Naylor their good friend and long time DXer.

Dennis invites anyone with an interest in HF, and DXing to visit the UDXA.ORG web site and join them at the next club meeting.

We wish Dennis and the DX gang the best in getting the Utah DX Association going again.

73, Linda Reeder, N7HVF

## Steak Fry

UARC's annual steak-fry will be held on the afternoon of Saturday, July 8th. Tickets will be available at the May and June meeting. The deadline for purchasing your tickets will be July 8th.

The steak-fry is one of the club's most popular activities each year. A steak dinner in the mountains combined with a mini swap meet and a chance to get acquainted or reacquainted with the people we talk to on the air.

The event will be held again in the campground called "The Spruces" in Big Cottonwood Canyon. (That's the canyon that goes to Brighton and Solitude.)

It may seem awfully early to be thinking about a mid-summer event, but there will only be two opportunities to buy tickets in person at a meeting.

The prices for this years steak fry are as follow:

Adults	\$4.00
Non-member adults	\$12.00
Children (12 and under)	\$5.00

Contact the club secretary Dick Keddington, KD7TDZ, to get your reservations.



## Field Day

Field Day is fast approaching. UARC will be holding Field Day at Payson Lakes the weekend of June 24th and 25th Bryan Morgensen has volunteered to be our Field Day Chairman this year. If you would like to volunteer to help set up, please contact Bryan at 281-1752.

## National Fox Hunt Weekend

Saturday and Sunday May 13<sup>th</sup> and 14<sup>th</sup> is "National Fox Hunt Weekend."

To honor this long standing ham activity, there will be a hidden transmitter in the Salt Lake Valley operating on 146.56 MHz from Friday evening until at least Sunday night, maybe longer. There is no contest and there are no rules except you keep the location to yourself so others can enjoy the hunt and leave your comments behind in a log. This is just a fun thing to do with your family. If you enjoy this, please plan on attending the Davis County Amateur Radio Club meeting in July for a fox hunt program followed by a couple more hidden transmitters.

For more information goto:

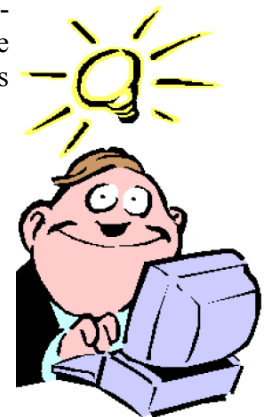
<http://members.aol.com/joek0ov/nfw.html> or contact Larry Jacobs at [Wa7zbo@arrl.net](mailto:Wa7zbo@arrl.net)

Enjoy, Larry Jacobs – WA7ZBO

## Submit An Article



Do you have an idea for a newsletter article? Maybe you have acquired a new piece of equipment, designed or constructed a new antenna, took a trip focused around ham radio, want to share an amateur radio related experience or discuss a technical topic. Why not write an article for the monthly *Microvolt* newsletter? The article can be short or long, simple or elaborate and can even include pictures! *The Microvolt* relies on articles from our members. So why not give it a try? Write an article and send it to the newsletter editor. It's fun, and at the same time, your contribution helps support our club and hobby.



# Who's On The Air

Submitted by Blair, K3YD  
W3OK Newsletter, April 2004  
From Chuck, K3FT

Every one of you can recall, I'm sure, laughing at the CLASSIC routine "Who's On First?" by Messr's Abbott and Costello. I sure do. Over the years I've rewritten those lines for many a specific purpose in various disciplines but never about ham radio.

Well, a thread started on one of the reflectors and I got pinged to do one about ham radio. So for better or for worse...for groaning or for pain...here it is. I don't claim it's as polished as the original, but it is the best I can do for a first cut.

Had Abbott and Costello been hams and they did the WO1st' bit where Abbot was a ham and Costello was someone who he was trying to explain it to. Costello knew a little bit..

They'd had a Field Day (literally and figuratively) with all the fun with our acronyms, abbreviations, slang, jargon and shorthand as well as the labels attached to various things.

It boggles the mind to think of the variations that would appear from the very famous and still totally hilarious 'Who's On First?' routine. With the greatest respect and admiration to Messr's Abbott and Costello I present to you..

(Scene opens, Curtain lifts to show Abbott and Costello talking to one another)

C- I heard you were on the air last night.

A- Yep, I was. I was on A-1....

C- A-1?

A- Yeah. C-W on the air.

C- Hang on. First you said a One. Now you are telling me you see W on the air? Better get your eyes checked. You can't see W on the air! It's RADIO, not TV!

A- TV? I'm not talking about TV! I'm talking about

A-1...C-W on the air! It's C-W.

C- See W? Who is W?...(pause as Abbott starts to answer)..HANG ON!! UH UH! I'm NOT going back to baseball! I already KNOW who's on first, so don't start THAT again! OK. You see W on the radio which has no picture and it's a one too!?

A- Baseball? Who said anything about baseball? I'm talking radio here! Now, there is NO A-1-2. That doesn't exist. There is A-2, but no A-1-2!

C- Wait a minute! NOW there is a two AND a ONE? Next thing you'll tell me that makes a three!?

A- There's A-1 and A-2 and an A-3!

C- Now your talking like Lawrence Welk! Stick to the subject. Is W on the air or not and how can you see him?

A- Lawrence Welk? That's music. You know we can't transmit music! Look, A-1 is C-W. A-2 is a different C-W. A-3 is talking on phone!

C- (splutters in exasperation) A three is on the phone? Wait a minute! Look, this is getting all jumbled up. Just give me the facts and I'll be fine.

A- OH! You want the fax! THAT'S A-4!

C- (sotto voice-NOW he's talking about a four!) The facts are a four? Ok. Let me see if I have this right. A one is see W. There's no music, but there IS a one and a two and a three. Now you tell me that if I want the facts I have to have a four!

A- That's right! NOW YOU'RE GETTING IT!

C- (waves hands in desperation, voice rising) NOW I'm getting it? All I'm getting is a headache! If I want to see W I have to have a one! If I want phone I have to have a three. If I want facts I have to have a four! This is crazy enough to be on TV!!!

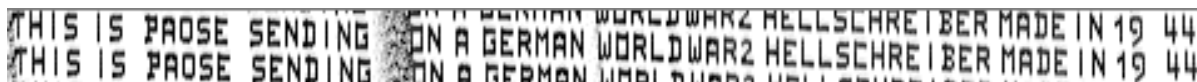
A- (Smiles and nods his head) AHH! TV! That's A-5!!

C- (begins to mumble and splutter and gets a look of gas pains on his face as curtain drops)

## The Bands Are Going To Hell!

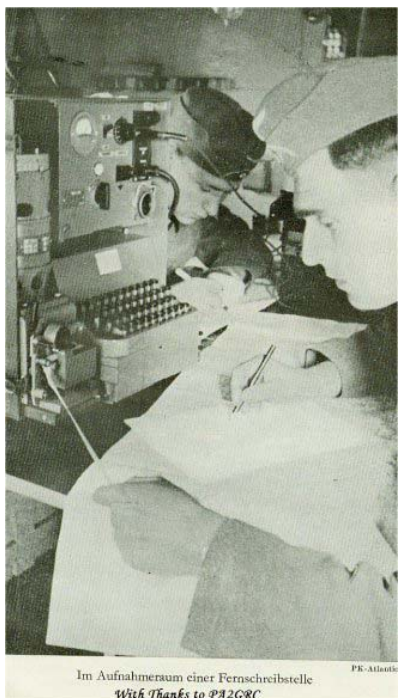
Here is your chance to operate one of the “new” digital modes that has a lot of history behind it.

For the past six or seven years I’ve enjoyed the leisurely pace of Hellschreiber, a digital mode that prints across your computer screen a bit like a fax, which is why it is sometimes dubbed the “fuzzy mode”.



Feld-Hell chugs along at 25 wpm, and some software allows you to print simple pictures like smiley faces and stars. Mostly you’ll find US operators who like to rag chew, but I’ve had some European DX contacts as well.

**A RICH HISTORY** There is a rich history to this mode, which was originally patented in 1929 by Rudolf Hell and used extensively in portable field operations during WWII. It eventually was employed by some news services and remained in use as recently as 1980. Unlike teleprinters, Hellschreiber machines had only two moving parts and so were mobile and dependable.



Im Aufnahmestudio einer Fernschreibstelle  
With Thanks to PA2GR

Today you don’t need a Hellschreiber machine because of software by IZ8BLY, MultiPSK or the commercial MixW.

**ANYBODY OUT THERE?** Until recently, Hellschreiber enthusiasts were sometimes frustrated by the low level of activity in the mode. Then in March a Feld-Hell club was formed which has stimulated new interest in the old fuzzy mode. Membership is free and there are some achievement awards, links to a cluster that spots digital stations, a club newsletter and a weekly 20-meter net.

You can learn about the Hellschreiber mode, join the club and get links to software at <http://www.feldhellclub.co.uk/>



FRIENDS PRINTING FRIENDS  
FRIENDS PRINTING FRIENDS

## The Missing Q

From <http://www.zerobeat.net/drakelist/missingq.html>

QBO I sat net to that guy at the meeting.

QBO? Should I sit net to that guy at the meeting?

QBS It’s getting deep in here.

QBS? Is it getting deep in here?

QET Phone home.

QET? Has anyone called me from another planet?

QWC I have to go to the bathroom.

QWC? Do you have to go to the bathroom?

QZZ I fell asleep at our last meeting.

QZZ? Did you fall asleep at our last meeting?

# May Meeting: Second Thursday

## May 11th: Official Observers

For many years ARRL has maintained a network of volunteer hams known as "Official Observers," or OO's. These people monitor the amateur frequencies and notify people, usually by postcard, when they hear a rules infraction that an operator should know about. The intent is simply to let people know when there is a problem, whether it is a misunderstanding of identification rules or a transmitter harmonic interfering with another radio service, before the matter is noticed by the FCC. UARC's Brett Sutherland, N7KG, is the OO coordinator for the Utah Section and is going to be presenting the program at the next UARC meeting, to be held May 11th.

What do OO's do? How can one become an OO? What are the most common infractions that OO's must deal with? These are some of the

questions that Brett will be answering for us. He will also tell us about some of the provisions of the FCC rules and how they might apply to us in different situations. If you order a pizza by amateur radio, is it a business communication? Can you let your boss know you'll be late to work? How about a commercial trucker asking for directions to take his load to the right place? Brett will help clarify some of the fine points of the rules and there will be time for questions.

Of course, the meeting will include the "standard" meeting features:

- Availability of ARRL books from Fred, the "book lady".
- An opportunity to join UARC or renew your membership.
- An opportunity to join ARRL or renew your membership.
- The chance to meet face-to-face

the people you talk to on the air.

- The "Meeting(s) after the meeting":

A chance to enjoy pizza or other gastronomic delights with other hams. One group goes to Litza's Pizza, 716 E. 400 South. Another group goes to a restaurant that varies from month to month, but will be announced at the meeting.

The "Meeting before the meeting", a similar get-together for those who can leave work early enough to get there by 5:15 P.M. This time it will be at the "Chuck-A-Rama," 744 East 400 South in Salt Lake City.

## Exam Schedule

5/17/06 (Wed.) Provo

Contact: Steve Whitehead, NV7V

Phone: (801) 465-3983

5/17/06 (Wed.) St. George

Contact: Ron C. Sappington, WI7Z

Phone: (435) 673-4552

5/25/06 (Thu.) Roosevelt

Contact: R. Chandler Fisher, W7BYU

Phone: (435) 722-5440

5/30/06<sup>1</sup> (Tues.) Salt Lake City

Contact: Eugene McWherter, N7OVT

Phone: (801) 541-1871

6/03/06<sup>1</sup> (Sat.) Salt Lake City

Contact: Gordon Smith, K7HFV

Phone: (801) 582-2438

6/07/06 (Wed.) Ogden

Contact: Mary Hazard, W7UE

Phone: (801) 430-0306

6/10/06 (Sat.) Logan

Contact: Heidi Bleazard, AC7ZC

Phone: (435) 753-7487

6/21/06 (Wed.) Provo

Contact: Steve Whitehead, NV7V

Phone: (801) 465-3983

6/21/06 (Wed.) St. George

Contact: Ron C. Sappington, WI7Z

Phone: (435) 673-4552

6/27/06<sup>1</sup> (Tues.) Salt Lake City

Contact: Eugene McWherter, N7OVT

Phone: (801) 541-1871

7/05/06 (Wed.) Farmington

Contact: Mike Youngs, KK7VZ

Phone: (801) 573-3922

7/19/06 (Wed.) Provo

Contact: Steve Whitehead, NV7V

Phone: (801) 465-3983

7/19/06 (Wed.) St. George

Contact: Ron C. Sappington, WI7Z

Phone: (435) 673-4552

7/25/06<sup>1</sup> (Tues.) Salt Lake City

Contact: Eugene McWherter, N7OVT

Phone: (801) 541-1871

7/27/06 (Thu.) Roosevelt

Contact: R. Chandler Fisher, W7BYU

Phone: (435) 722-5440

8/05/06<sup>1</sup> (Sat.) Salt Lake City

Contact: Gordon Smith, K7HFV

Phone: (801) 582-2438

<sup>1</sup> Pre-registration required. Contact the contact person prior to the examination date.

For more detail either call the contact or checkout the information on our webpage:

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