



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

DECEMBER 2001

<http://www.barconline.org>

HAM PROFILE

Christmas Greetings from Santa's elf, W7MOY

It's entirely appropriate this time of year to come up with some sort of 'expose' on our new VEEP, none other than the person of Rik Stallings, N7XZ. He sports an extra ticket and has been licensed for several years. To give you some measure of his enthusiasm for the trade, our chat started with a rather animated visit to his shack, where he was trying to work a Nepalese station just heard on 10 meters as the band was giving one last gasp for the evening. Some good stuff on there guys, better wade in and explore the high end of the HF bands as the sun spot cycle begins to head down into the gully for another 11 years. Rik has a well equipped lair downstairs for HF, 2 meters, 70 cm, TVI & is equipped for all the good modes throughout. (How about some interest in fast scan TV everyone?) He has some Yaesu and Kenwood 2 meter gear, a Kenwood D700, a Heath Hot Water 5400, an Alinco rig, a vertical antenna for the good stuff and glimpses of a few other items that look interesting. He has been involved in a host of club activities for 23 years, field days, Latoja, Top of Utah and some hare hunts. Rik like others of you is scheduled for involvement in communications for the 2002 Olympics. They run a background check on everyone, tell you to come prepared, but thus far very little info on exact assignments. This will be a first class experience for participants and we hope things will run as anticipated. It's good PR for our fraternity and we hopefully will gain a little mileage out of it.

Rik was introduced to the realm of tax payers in Ogden. Shortly thereafter the family moved to Rexburg, just 3 miles south of the North Pole, where his father taught at Ricks. He graduated from High School there, Magna Cum Whew, and spent a couple of years for his faith down South of the equator in Chile where he learned to wave his arms, smile, and try out his new new Spanish twang. He enrolled at USU in 89, gradu-

(Continued on page 3)

PRESIDENT'S MESSAGE

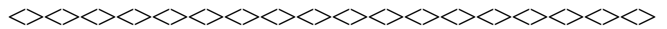
Be sure to mark your calendar for the Christmas party December 13th. Tickets will be on sale in advance. Rumor has it that there will be some very nice door prizes. Here we are coming near the end of another year. The kids are counting down till Christmas, and I'm counting down till the days start getting longer again. Time sure flies when you're having fun. It has been a good year. We have had a lot of fun events. Thanks to all who pitched in to make things run for the club. We will soon have a new slate of officers. Congratulations to them. The new officers will take office on January 1. Please come out and give them your support. See you at the Christmas party.

73 Jim K7OA



Rik sent a message that would be good to pass on. The ARRL decided to use one of the field-day photos we submitted in the December QST magazine. You can see this fine piece of free publicity on page 108 (bottom-right)! Photo credits go to Ted, AC7II.

Also, our field-day results are listed on page 107, left-hand column, about 2/3rds the way down the page.



ELECTIONS A GREAT SUCCESS

Club Officers

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At least we ended up with all of the positions being filled, thanks to a few nominations from the floor. Prior to the club meeting there was only one candidate for President, no candidates for the Treasurer position, and only one of the needed three positions for the Board. After some discussion the elections proceeded, and while the ballots were being counted we were enlightened with some videos about some radios and other equipment. As the elections proceeded, the new Officers were announced. They are:

President:	Tyler Griffiths
Vice President:	Rik Stallings
Secretary:	Ted McArthur
Treasurer:	Dave Fullmer
Board members:	Cline Hendrickson Julie Dabb Dave Hancey

After the elections, videos, and discussions, there were refreshments, another good reason to come to club meeting.



VE Test Session

Coming up at 8:00 a.m. on December 8, 2001

At Campbell Scientific Inc.

815 West 1800 North

Logan, Utah

(Ham Profile Continued from page 1)

ated in 93 with an EE degree.

One of his first exposures to Amateur Radio was during the Teton Dam disaster when as an early teenager he looked over the shoulders of the gang up there in handling of communications duties. He also spent a summer, right after their honeymoon, working in maintenance for the BLM fire crews. His disappearance for a couple of weeks out in the boonies, climbing towers and roughing it must have left a lasting impression on the good frau.

Incidentally while at Ricks with a singing group, he must have noticed an outstanding soprano voice belonging to one DeAnna Black, a native of Rexburg and Sugar City. They compared notes, figuratively speaking, decided they ought to make good music together and thus began the makings of a bunch of new Stallings. At present three daughters share the breakfast table, 3 year old Shelby, 7 year old Rikki, & 3 year old Paige. Three new hams for the club in a few years. He is breaking them in gradually with some FRS units, pretty shrewd!!

Rik's interests, besides Ham radio, involve music, he plays a mean guitar, although I didn't get a sample of such this time around. (Hint--music background for the dinner or breaks at club???) He has played in some jazz band ensembles and many of you probably have recognized him with the Crestmark organization, well known on campus and in the area.

He presently is employed by the Logan City Schools in setting up and operating their computer networks. Incidentally DeAnna also works for the Logan City Schools. Initially DeAnna thought the Ham bunch were a little bizzare, we need to change that impression.

Welcome to the group Rik, and also DeAnna, really we're not a bad assortment.

Bridgerland Amateur Radio Club Christmas Party

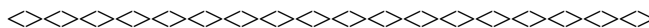
Thursday, December 13, 2001 at 6:30 p.m.

At Ruby Tuesday, 43 East 1400 North, Logan

Menu

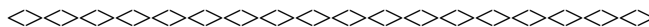
- Baby Back Ribs
- Chicken Cordon Bleu
- Rice Pilaf
- Salad
- Steamed Broccoli
- Chocolate or Carmel Sunday

Cost is \$14.00 per person. You **MUST** purchase your tickets in advance, and tickets will be sold on a first-come, first-served basis. If you **do not** already have your tickets please contact Kathy Brooksby as soon as possible, at 787-2984. There are some great prizes so don't miss out.

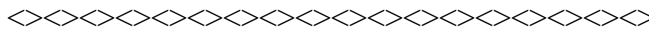


CLASSIFIEDS / WANT ADDS

Radio Books (some rather old), miscellaneous equipment including dual trace tube O-scope, misc. extra tubes, etc. Willing to sell, trade, discuss options etc. Contact Oscar Schultz at 753-4855 or oscar.schultz@thiokol.com



Answers to questions on page 6:
1-A, 2-D, 3-C, 4-B, 5-A, 6-A



VHF and HF NETS

Group	Day	Time	Frequency (MHz)	Comments
UT VHF Soc.	Tuesday	8:00 p.m.	146.94 -	VHF Swap Net
BARC	Tuesday	9:00 p.m.	146.72 -	Weekly net
RACES	3rd Thursday	8:00 p.m.	147.26 +	(Even Months*)
Beehive	Daily	12:30 p.m.	7.272	
UT Code Net	Daily	7:30 p.m.	3.710	
FARM	Daily	8:00 p.m.	3.937	
MARA Voice	Saturday	7:30 a.m.	3.918	
MARA CW	Saturday	8:00 a.m.	3.723	
RACES	3rd Saturday	8:00 a.m.	3.918	(Odd Months*)
UT MARA	Saturday	8:30 a.m.	3.873	

(* You should have a RACES number to check in)
Net information thanks to the SPARC newsletter

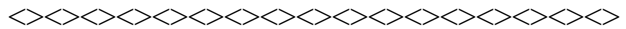


QST de W1AW
ARRL Bulletin 46 ARLB046
From ARRL Headquarters
Newington CT October 24, 2001
To all radio amateurs

SB QST ARL ARLB046
ARLB046 FCC clarifies CORES amateur implementation

The FCC's Wireless Telecommunications Bureau has clarified several issues regarding Amateur Service implementation of the Commission Registration System—or CORES. Starting December 3, everyone doing business with the FCC—including amateur licensees—must obtain and use a 10-digit FCC Registration Number (FRN) when filing. Amateur licensees now registered in the Universal Licensing System (ULS) already have been cross-registered in CORES and issued an FRN by mail. The FCC said it planned another cross-registration by November 28. Amateurs can check to see if they have an FRN via a ULS license search. Many Internet call sign servers, including ARRL's, also can provide this information. Once CORES becomes mandatory, the FCC will "auto-register" all amateurs who seek to register in ULS and will issue them an FRN. Amateurs then should use their FRN in place of their Taxpayer Identification Number (TIN—typically an individual's Social Security Number) when filing applications with the FCC. New or upgrade license applicants not previously registered in ULS will be registered automatically in both CORES and ULS when they provide a TIN on a license application filed through a Volunteer Examiner Coordinator. Although both ULS and CORES will contain a licensee's FRN, updating information in one system will not update the other. For amateurs, CORES registration will replace ULS "TIN/Call Sign" registration, but the ULS will remain the Amateur Service licensing database within WTB, and only ULS will associate an individual with a particular call sign and FRN. Once CORES/FRN becomes mandatory, those registering in ULS will be redirected to CORES registration. Going away December 3 will be the so-called Assigned Taxpayer Identification Number, or ATIN, which the FCC has been issuing to applicants ineligible to obtain a Social Security Number, such as foreign applicants and club station licensees. An FCC Public Notice this week said applicants that have been using ATINs "must now register in CORES." The FCC said it will accept ATINs only "during a short transitional period" after December 3. CORES will offer exemptions to amateur clubs and to foreign entities not holding a TIN/SSN. Club station applicants

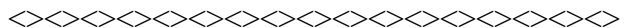
also may use a trustee's TIN/SSN or a tax-exempt club's IRS-assigned EIN. The WTB says that starting December 3, "all passwords will be maintained in the CORES database." Amateurs also may use FCC Form 160 to register in CORES, and those doing so will be mailed a CORES password for on-line access. The FCC continues to work out the details of how amateurs, CORES and ULS will coexist. Amateur Service testing with CORES is planned for early November.
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ARRL Bulletin 47 ARLB047
From ARRL Headquarters
Newington CT November 14, 2001
To all radio amateurs

SB QST ARL ARLB047
ARLB047 W1AW seeking 40-meter reports

Maxim Memorial Station W1AW has made some hardware changes to its 40-meter bulletin/code practice transmitter and now is seeking signal reports. Reports should note location, time of reception, mode, signal strength and quality. Use of the standard RST system is acceptable. Mail reports on a postcard to W1AW 40-meter reports, 225 Main St, Newington, CT 06111. E-mail reports may be sent to w1aw@arrl.org. W1AW's schedule calls for Morse practice Tuesdays through Fridays, 9 AM Eastern and Morse practice/bulletins Mondays through Fridays 4-6 PM Eastern, both on 7047.5 kHz. The weekday digital transmission begins at 6 PM Eastern on 7095 kHz. A phone bulletin is transmitted daily at 9:45 PM Eastern on 7290 kHz. The complete W1AW operating schedule is on the ARRL Web site, <http://www.arrl.org/w1aw.html>.
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ARRL Bulletin 49 ARLB049
From ARRL Headquarters
Newington CT November 16, 2001
To all radio amateurs

SB QST ARL ARLB049
ARLB049 Vice Director election results announced in three ARRL divisions

Ballots were counted today at ARRL Headquarters in contested races for vice director in three ARRL divisions for the 2002-2005 term. The Committee of Tellers has certified the results of these contested elections. In the Pacific Division incumbent Vice Director Bob Vallio, W6RGG, of Castro Valley, California—a retiree—garnered 1924 votes to beat back a challenge

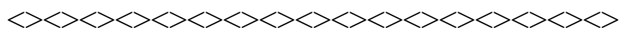
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from physician Gerald D. Griffin, K6MD, of Pacific Grove, California. Griffin polled 1225 votes. A ham since 1952, Vallio, 65, was SM and, previously, Section Communications Manager of the East Bay Section and is completing his second year as Pacific Division Vice Director. In the Southeastern Division, Georgia SM and retired TV traffic coordinator Nelson E. "Sandy" Donahue, W4RU, of Atlanta, Georgia, outpolled West Central Florida Assistant Section Manager and computer programmer-analyst Paul J. Toth, NA4AR, of Seminole, Florida, 2783 to 2305. They were contending for the seat being vacated by Vice Director Evelyn Gauzens, W4WYR, who decided not to seek a new term after 22 years of service. A frequent hamfest and convention attendee, Donahue, 56, is in his third term as Georgia SM and has been an Assistant Director since the mid-1980s. He's been a ham for more than 40 years. In the Southwestern Division, San Diego Section Manager and train operator Tuck Miller, NZ6T, of National City, California, defeated electrical engineer Edward J. "Ned" Stearns, AA7A, of Scottsdale, Arizona. The vote was 2485 to 2208. Miller thus gains the vice director's position being vacated by Art Goddard, W6XD, who ran unopposed for director upon the retirement of Fried Heyn, WA6WZO. Heyn has served as director since 1984. A ham since 1991, Miller, 48, has served as San Diego SM since 1998 and is active in the Amateur Radio Emergency Service. Vallio, Donahue and Miller all are ARRL Life Members. In addition to Goddard, those unopposed for directors' seats were incumbents Jim Maxwell, W6CF, in the Pacific Division; Walt Stinson, W0CP, in the Rocky Mountain Division, Frank Butler, W4RH, in the Southeastern Division and Coy Day, N5OK, in the West Gulf Division. Vice directors' positions who went unchallenged in this election cycle were incumbents Warren G. "Rev" Morton, WS7W, in the Rocky Mountain Division; and David Woolweaver, K5RAV, in the West Gulf Division. All unopposed candidates were declared elected. New terms for all successful candidates begin at noon January 1, 2002, and run for three years.

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The ARRL Letter
 Vol. 20, No. 46
 November 23, 2001

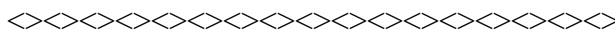
**KD5OPQ DOES FIRST SPACE WALK;
 NEW ISS CREW IN THE WINGS**

International Space Station Expedition 3 Commander

Frank Culbertson, KD5OPQ, and Pilot Vladimir Dezhurov conducted a five-hour space walk, or extravehicular activity (EVA), as NASA calls it, on November 12. The EVA—Culbertson's first, but the last for the current crew—completed the external outfitting of the PIRS docking compartment on the ISS. Flight Engineer Mikhail Tyurin monitored the activities from inside the ISS and operated the robotic arm, providing television views for flight controllers in Houston and Moscow. The ISS Expedition 4 crew of Commander Yuri Onufrienko and Flight Engineers Dan Bursch, KC5PNU, and Carl Walz, KC5TIE, launches aboard the shuttle Endeavour November 29. In addition to a new crew, new Amateur Radio antennas are manifested aboard the shuttle for transport to the ISS. The new antennas will be installed around the perimeter of the Service Module, allowing future operation from HF to microwave frequencies. The HF antenna is made up of a flexible tape that will work on 10-meters—and possibly 15 and 20 meters. The ISS is on orbit at an average altitude of 247 statute miles above Earth. For more information about the ISS, visit NASA's Human Space Flight Web site:

<http://spaceflight.nasa.gov/>

—NASA, ARISS, via AMSAT News Service



Special Bulletin 12 ARLX012
 From ARRL Headquarters
 Newington CT November 28, 2001
 To all radio amateurs

SB SPCL ARL ARLX012
**ARLX012 W1AW schedules Transatlantic,
 OSCAR celebrations in December**

Maxim Memorial Station W1AW has scheduled two Special Event operations during December. W1AW will be on the air December 3-7 to honor the 80th anniversary of the 1921 Transatlantic tests. Listen for W1AW/80 on many HF and VHF bands (including satellites). W1AW also will celebrate the 40th anniversary of the first Amateur Radio satellite—OSCAR I—launched into orbit on December 12, 1961. W1AW will be on the air as W1AW/40 December 10-14 on as many of the active satellites as possible. A special QSL card will be available for contacts or listener reports on both events. QSL requests for W1AW/80 and W1AW/40 go to W1AW, 225 Main St, Newington, CT 06111. Include a self-addressed, stamped envelope or the appropriate number of IRCs with each request.

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Questions for Extra Class License

- 1.(E1A03) What exclusive frequency privileges in the 40-meter band are authorized to Extra class control operators?
- A. 7000-7025 kHz
 - B. 7000-7050 kHz
 - C. 7025-7050 kHz
 - D. 7100-7150 kHz
- 2.(E1G04) Which of the following is one of the standards that must be met by an external RF power amplifier if it is to qualify for a grant of FCC Certification?
- A. It must produce full legal output when driven by not more than 5 watts of mean RF input power
 - B. It must be capable of external RF switching between its input and output networks
 - C. It must exhibit a gain of 0 dB or less over its full output range
 - D. It must satisfy the spurious emission standards when operated at its full output power
- 3.(E2A06) What are the receiving and retransmitting frequency bands used for Mode J in amateur satellite operations?
- A. Satellite receiving on 70 centimeters and retransmitting on 2 meters
 - B. Satellite receiving on 2 meters and retransmitting on 10 meters
 - C. Satellite receiving on 2 meters and retransmitting on 70 centimeters
 - D. Satellite receiving on 70 centimeters and transmitting on 10 meters
- 4.(E5B10) How long does it take for an initial charge of 20 V DC to decrease to 0.37 V DC in a 0.01-microfarad capacitor when a 2-megohm resistor is connected across it?
- A. 0.02 seconds
 - B. 0.08 seconds
 - C. 450 seconds
 - D. 1350 seconds
- 5.(E8A04) What type of wave is made up of a sine wave of a fundamental frequency and all its odd harmonics?
- A. A square wave
 - B. A sine wave
 - C. A cosine wave
 - D. A tangent wave
- 6.(E9E15) What characteristic will 450-ohm ladder line have at 50 MHz, as compared to 0.195-inch-diameter coaxial cable (such as RG-58)?
- A. Lower loss in dB/100 feet
 - B. Higher SWR
 - C. Smaller reflection coefficient
 - D. Lower velocity factor

THE OHM TOWN NEWS
PO BOX 111
PROVIDENCE, UT 84332

December, 2001

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