



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

OCTOBER-NOVEMBER 2001

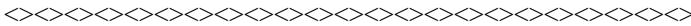
<http://www.baronline.org>

Great Summer Fun!!!

PRESIDENT'S MESSAGE

November is elections. The nominating committee is having a tough time finding people to fill the slots on the ballot. If you have an interest in increasing your involvement in the club, please call someone on the nominating committee and let them know you will accept a nomination. The nominating committee is Dave Fullmer, Don Rawlinson, and Rik Stallings. I have certainly been enjoying this nice weather. Perhaps we should be getting our antenna work done before the weather gets too cruel. Fortunately, my 160 meter antenna didn't get blown down this past Summer, so unless that changes I won't have to be erecting that again this year. The past two years it got blown down so this is a welcome change. I might miss the antenna parties though. It is always fun to get a group together and put up an antenna. There is that school who will tell you the antenna won't work right if there isn't snow and ice and at least a ten mile an hour wind the day it is erected. Some say this theory is open for debate? Good deer hunting, and we will see you on the eighth at club meeting.

Jim K7OA



SUMMER EVENTS

By Tyler Griffiths N7UWX

I was thinking it is a good thing we do not have any club meeting during the summer because between meetings and our public service activities we would not have any time for anything else.



(Continued on page 9)

HAM PROFILE

By Boyd Humpherys W7MOY

We would like you to meet one of our kind who has been a Ham longer than some of us are years old, say 62 years to be exact. None other than Willis Arnold Finchum, first licensed in 1939 as W9FVO, now W6HO. Arnold as he has been known to most of us, remembers well that on 20 Nov 1939, he received his class B ticket in Chicago, IL. In those days, if you passed the exam, you walked right out the door with the ticket in your mitts. One had to wait a year for the class A try. Procedures have gone down hill a bit here and there since then. Imagine if you will the transmissions he heard on the Amateur bands that 7th. of Dec. 1941. "QST--QST, All radio Amateurs must cease all operations immediately until further notice". We hope we never hear that order again.



Arnold sports a Kenwood HT, a Kenwood TS820S (with bottles???) and an unobtrusive 5 band vertical in the back yard. In a retirement location, his persistence really paid off.

He recalled the beginning of the first Amateur Radio club here in Cache Valley. It was started at the AC (as it was known then in 46), and known as Utah State Electronics Society. It found a home on the top floor of the old

(Continued on page 2)

Club Officers

President

Dave Fullmer N7RRZ
webmaster@spectradesign.com
(435)753-2685

Vice President

Jim Lofthouse K7OA
lofthouse@mtwest.net
(435)245-6632

Secretary

Julie Dabb KC7RPP
juliebugbug@hotmail.com
(435)797-6724

Treasurer

Kathy Brooksby KD7FXC
kathy@brooksby.com
(435)787-2984

Board Members

Mark Hebert AA1HR
aa1hr@arrl.net
(435)563-1135

Lem Earl KC7VLV
leme@sisna.com
(435)752-2255

Tyler Griffiths N7UWX
(Past president)
tyler@n7uwx.net
(435)752-7269

Newsletter Editor

Dale Cox KB7UPW
dalec@qwest.net
(435)563-3836

Repeater Chairman

Ted McArthur AC7II
tmac4@uswest.net
(435)245-4904

Web Page Editor

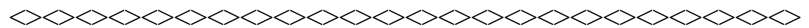
Kevin Reeve N7RXE
kevree@mdls.usu.edu
(435)753-1645

(Ham Profile Continued from page 1)

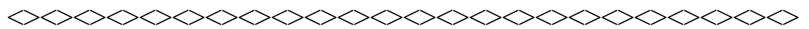
Mechanics Arts building, South of Old Main. Some of you may have operated the sizable old rigs in that shack, under the call W7TMK. As we chatted, we had a chuckle or two about some early transmitter hunts, with a nondescript vehicle towing all the gear and generator in a trailer. Wild tales of speeding tickets, running out of gas on a lonely country road, several highway patrolmen apprehending a mysterious bunch gathered around the discovered stalled rig, other officers stopping suspicious vehicles with strange welding rod contraptions hanging out of the windows, cigar boxes with knobs attached and emitting strange sounds. Spies of the first order no doubt. Needless to say, this stuff was the state of the art, super regen, tube gear that took the best brains to concoct. Some of our brethren nearly wound up in the pokey on those expeditions. Several field days were held up Logan Canyon in some of the campgrounds, most of the stuff had to go straight up.

Space will not allow a full account of his military career, however a couple of notes are worth repeating. His Ham radio experience, and some electronics background came in handy when he got involved in Uncle Sam's Navy. Usually in those days, if you were a little older, had some electronics know how, one usually wound up with a Petty Officer ranking upon signing on the dotted line. Here was someone with good background, but only 18. No way, most of the honchos were to say, however he just happened to make acquaintance with the right person and started off with a Petty Officer 2nd. Class rank, much to the consternation of the other old salts watching the whole thing. Later, off the coast of Japan, their destroyer and a few others transmitted a single Morse letter continuously to act as beacons for incoming aircraft. He had to instigate a code class for the crew on a single letter, since there was no mechanical key.

He met his future wife, Gladys Noble, born in Smithfield, when he came out to the AC to attend Electronics school. They have two children, boys, both married. A wealth of work experience at Sandia Labs, Raytheon, Hurricane Mesa, Ramo Wooldridge, Frenchman's Flat came after graduation from the AC in 49. Over several years he was involved in setting up Electronics Technology programs in CA, Purdue, Cal Poly and many years of teaching across the country finally brought him back to USU where he inspired many to follow the same route. Sit down with Arnold for an interesting hour to hear the rest of the story. Retirement is great.



Answers to questions on page 10:
1-A, 2-C, 3-C, 4-A, 5-D, 6-B



VE Test Session

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

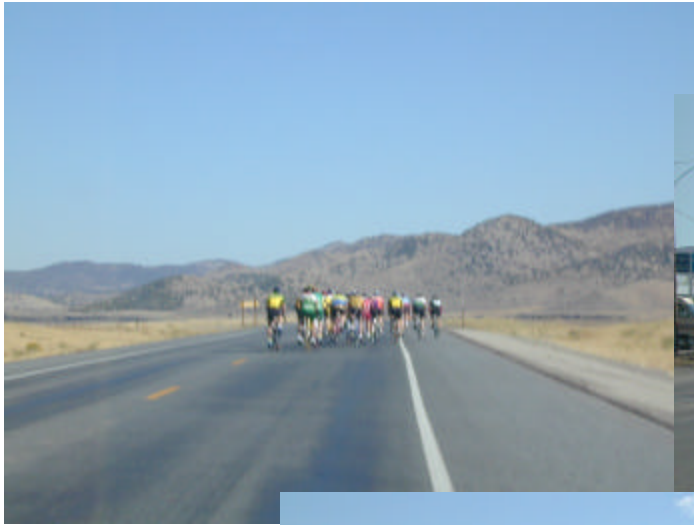
At Campbell Scientific Inc.

815 West 1800 North

Logan, Utah

LOTTOJA - 2001

The Race



LOTOJA - 2001

The Finish and Afterwards



Proxy (Absentee) Ballot and List of Candidates

For year 2002 Officers and Board
of the Bridgerland Amateur Radio Club

Voting held on Thursday, November 8th, 2001
Hyde Park City Center beginning at 7:30 PM

Important Instructions: If you are unable to attend the above meeting and wish to vote you may mail this ballot to any club officer in time to be in their hands before the meeting time noted above, or, you may seal the ballot in an envelope and send it with someone to be handed to a club officer at the meeting. If you need help, please contact any club officer.
YOU NEED TO BE A CURRENT MEMBER OF BARC TO VOTE

For President (Vote for one)

- Dave Fullmer N7RRZ
- -----

*Write In _____

For Treasurer (Vote for one)

- -----
- -----

*Write In _____

Note: Any person elected to the office of President shall have served at least one year as Officer or Board member of the club, whether before or after incorporation.

For Vice-president (Vote for one)

- Rik Stalling N7XZ
- DeAnn Jensen KB7LLG

*Write In _____

For Board Members (Vote for **THREE**)

- Cline Hendrickson K7KE
- -----
- -----
- -----
- -----
- -----

*Write In _____

For Secretary (Vote for one)

- Julie Dabb KC7RPP
- Ted McArther AC7II

*Write In _____

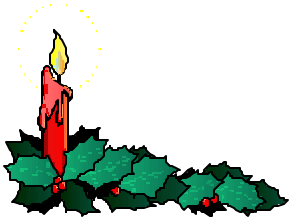
***You MUST get approval from a write-in candidate before submitting their name for office, Additional nominations will be accepted from the floor at the meeting, with the approval of the nominee.**

Bridgerland Amateur Radio Club Christmas Party

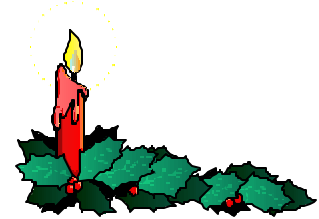
Thursday, December 13, 2001 at 6:30 p.m.

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 wish to order your tickets through the mail, cut out the order form below and mail it with your check (made payable to BARC) to:

BARC
c/o Kathy Brooksby
224 West 1330 N.
Logan, UT 84341

If you have any questions,
contact Kathy at 787-2984

Bridgerland Amateur Radio Club Christmas Party			
December 13, 2001 at 6:30 p.m.			
at Ruby Tuesday 43 East 1400 North, Logan			
Name:			
Address:			
Phone Number:		Number of tickets:	

BYLAWS

BRIDGERLAND AMATEUR RADIO CLUB, INC

Article I – NAME

Section 1. The name of this organization shall be **THE BRIDGERLAND RADIO CLUB, INC.**

Article II – PURPOSE

Section 1. The purpose of this organization shall be to unite radio amateurs in fellowship, to aid those not licensed in learning code and theory, and to provide service to the community especially in times of emergency.

Article III – MEMBERSHIP

Section 1. All persons having a bonafide interest in amateur radio, whether licensed or not, shall be eligible for membership.

Section 2. Application for membership shall be submitted to a club Officer. A member charged with conduct unbecoming a member of this Club may be expelled by a (2/3) majority vote of the members if the Board of Directors (Board) has found the charges are sustained by its investigations. An expelled member may not reapply for membership unless approved by the Board.

Section 3. A member shall be defined as one who has submitted an application for membership and paid the appropriate dues.

Article IV – OFFICERS AND BOARD

Section 1. There shall be a Board of Directors which shall consist of the Officers, the immediate past President and two at large Board Members.

Section 2. The Officers of the club shall be: President, Vice-President, Secretary, and Treasurer.

Section 3. All Officers and Board members shall be members of the club in good standing.

Section 4. Any person elected to the office of President shall have served at least one year as Officer or Board member of the club, whether before or after incorporation.

Section 5. The immediate past president shall serve the subsequent year as a member of the Board.

Section 6. Committee chairpersons of the various committees required shall be appointed by the Board. Additional members of said committees shall be appointed by the committee chairperson.

Article V – ELECTIONS

Section 1. The Officers and Board members of the club shall be elected for the term of one (1) year and until such time as their successors shall have been elected and take office. Newly elected Officers and Board members shall take office the first day of January of the next year.

Section 2. The President shall appoint a nominating committee of three (3) members, at least one (1) of whom shall be a member of the Board. They will present their list of nominations by notification as specified in Article XII Section 6.

Section 3. Election of Officers and Board members shall be held at the November Club meeting. Nominations will be accepted from the floor. Those receiving the largest number of votes shall be elected.

Section 4. Vacancies occurring between elections must be filled by a special election at a general meeting after which the withdrawal or resignation is made known. Nominations for replacement shall be made by the Board. Nominations shall also be accepted from the floor. Voting shall be conducted per Article XII and the person receiving the largest number of votes will be the new Officer. The newly elected Officer shall take office immediately.

Section 5. Officers and Board members may be removed by a petition signed by at least ten (10) members and upheld by a $\frac{3}{4}$ majority vote.

Article VI – DUTIES OF THE BOARD AND OFFICERS

Section 1. The Board shall be the governing body of the Club and as such shall formulate and be responsible for all matters of policy. Decisions of the Board shall be reached upon majority vote; and thereupon the President shall execute the decisions so made or the policies so formed.

Section 2. The newly elected President shall call an organizational meeting of the old and new Officers and Board members within 30 days of the election meeting.

Section 3. The President shall preside at all meetings of this Club; shall enforce due observance of the by-laws; shall decide all questions of order; shall sign all official documents that are adopted by the Club; and shall perform all customary duties pertaining to the office of President.

Section 4. The Vice-President shall possess all the powers and assume all duties of the President in the event of the absence, disability, refusal, or failure to act, of the President. The Vice-President shall further assist the President in all functions of that office and shall perform such other duties as are properly assigned by the Board.

Section 5. The Secretary shall countersign all deeds, leases, and conveyances executed by the corporation; shall keep a record of all proceedings of all meetings; keep a roll of members and the current status of these members; shall keep a roll of members present at meetings; accept applications for membership; keep a copy of the Articles of Incorporation and By-laws present at all meetings; carry on all correspondence; read communications received at each regular meeting, and give notice of all meetings.

Section 6. The Treasurer shall receive and disburse all club funds, including dues from members; shall keep an accurate record of all such transactions; and shall give a financial report to the Board and members upon request.

Article VII – MEETINGS

Section 1. There shall be a general Club meeting held monthly. This meeting schedule may be changed, subject to a decision by the Board.

Section 2. Special meetings of the members may be called at any time by the President, provided the entire Club membership is notified in writing of such special meeting ten (10) days prior to the meeting. Notification may be done per Article XII, Section 6. The President shall be required to call a special meeting upon receipt of a written request signed by ten (10) or more members.

Section 3. The Board shall meet in a general or special meeting in order to transact business. The Board shall normally meet once a month. All meetings of the Board shall require ten (10) days notice to the Board members.

Section 4. All meetings of the Board shall be open to all Club members.

Article VIII – DUES

Section 1. The annual dues will be recommended by the Board and approved by the members. The dues year shall be January 1 to December 31. Pro-rated dues will only apply to new licensees or those new in the area. The Board has the authority to accept dues paid from any valuable consideration.

Article IX – AMENDMENTS

Section 1. The by-laws may be amended by a two-thirds (2/3) majority vote at a general meeting, providing that members shall have been notified per Article XII, Section 6. Proposals for amendments shall be submitted in writing to a Club Officer.

Article X – RULES

Section 1. Roberts's rules of Order shall govern all proceedings of this Club.

Article XI – BUDGET AND REPORTING

Section 1. The Board shall give an annual report to the members on the activities of the Club with a financial report including the receipt and disbursement of Club funds. The Board shall present an annual budget after receiving input from committee members and members at large. The members shall vote upon said budget within the guidelines of said budget. A vote of the members will not have to be given again unless the budget is changed materially or exceeded in total.

Article XII – VOTING

Section 1. Only members in good standing shall be entitled to vote.

Section 2. All voting shall be by majority vote of the members present, unless specially stated otherwise in these articles.

Section 3. Voting for the election of the Board and Officers; expulsion of a member; Board member or Officer; adoption or amendments of the By-laws; approval of the annual budget and dues; and other issues as designated by the Board shall be conducted as stated below in Section 4 through 6.

Section 4. Voting on matters specified in Section 3 of this Article shall be by secret ballot of members in attendance and by members Proxies.

Section 5. A Proxy shall be included with the notification as specified in Section 6 below. Proxies may be given to a Club Officer or any other member by mail or in person. Proxies may be specific or general. The form of the proxies, ballots and balloting procedures shall be determined by the Board.

Section 6. Notification to members of the subject matter of any vote to be taken shall be by publication in the OHM TOWN NEWS the issue prior to the meeting in which the voting is to be done. The notification shall include the time, date and place of the meeting in which the vote will be taken. The notification shall be mailed no later than ten (10) days prior to the scheduled meeting date.

(Summer Events Continued from page 1)

Public service activities this summer have been a blast and I think everyone that participated would agree. Public service events are a good exercise for us practice for our emergency communications skills and keep up to date on our equipment.

The big events we participated in were The Pony Express, Field Day, The Cache Cruise In, LOTOJA and The Top of Utah.

The **Pony Express** race is a horse race that takes place in Clarkston. It is a race to commemorate the old pony express mail delivery and has been made into a relay race for team from all over Utah and Idaho. About 5 hams participated in the emergency communications part of this race this year.

Field Day was a big success. This year we held it at the Cache Valley Mall in the parking lot in conjunction with the Fire/EMS fair. Although not as well attended as the years we have it up the canyon it was a great time for all of those who chose to come and participate. I guess that means most people would rather have it up the canyon. I guess it's a good escape from the city for most of us! About 12 people participated in the set up and more than 40 people attended the event at one time or another including the dinner that evening. We made 334 contacts and almost got every state in the US. That is more than any other Field Day that I can remember.

Our big event for the year was, of course, LOTOJA! Besides all the planning meetings and stuff LOTOJA is a daylong event. Starting Saturday morning about 4:30 a.m. and not ending till seven or eight Saturday evening, about 55 hams and other helpers provided all communications, medical and support for 557 riders. That is almost 30 percent more than last year. There were twelve Support Vehicles, two Rovers, five Feed Zones, eleven Corner Marshall's and of course Net Control. Four Repeaters (one was a portable), five portable APRS digipeaters, nine APRS Trackers and many simplex frequencies provided continuous communications the whole 203 miles.

Medical aid needed at the finish line became quite a task. Ted AC7II and Brandon KC7GCI kept up with it, but they got their exercise. With the amount of riders and the unusually warm weather, heat exhaustion was a real problem. There were about three riders that got sent to the hospital for one reason or another.

Next year LOTOJA is most certainly expected to be bigger, and many changes will be needed to be make it a successful event.

The following week we participated in **The Top of Utah Marathon**. While not as intense as LOTOJA good communications for this event is essential.

About 28 hams provided communications for all the aid stations from the starting line, at Hardware Ranch, to the finish line at Merlin Olsen Park and also two meat wagons. Keeping track of 1815 runners provide quite a challenge for us this year.

Net control was ran out of a trailer this year witch provide a much better environment for the Net Control operators. (the fridge kept my diet Coke very cold!) Both meat wagons had APRS Trackers in them witch made keeping track of them quite a bit easier. Simplex from the last corner to the announcer at the finish line keep the crowd up to date on when and witch runners were about to cross the finish line. Dixon Allen KC7SJX was stations in Comm 40, Smithfield Fire's Communications van, at the mouth of Blacksmith Fork Canyon had a straight shot up the

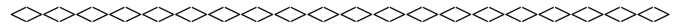
canyon and kept us in contact with EMS, Sheriff, and the Police communications.

This event is sure to get bigger and better!

As the Activities Chairperson for this year I would like to take this opportunity to thank all of those who volunteered there time to participate in these events! With out your help these activities would not have been such a great success.

Thanks,

Tyler N7UWX



Excerpt from The ARRL Letter

Vol. 20, No. 40

October 5, 2001



==>KODIAK STAR LAUNCH IS A SUCCESS

Following several delays, the Kodiak Star launch vehicle took off into space from Alaska early Sunday, September 30 UTC. The Athena I rocket boosted three Amateur Radio payloads and PICOSat—a technology demonstration satellite—into orbit. Initial indications were that all satellites deployed properly and were being monitored on the ground. The payloads included the APRS-equipped PCsat, built by midshipmen from the US Naval Academy under the guidance of Bob Bruninga, WB4APR, the acknowledged "father of APRS."

PCsat is a 1200-baud APRS digipeater designed for use by amateurs using hand-held transceivers or mobiles. PCsat is transmitting 1200 baud AFSK telemetry on 145.825 MHz, but the satellite has not yet been commissioned for general amateur use. "We ask that users please wait while we get the system loaded," Bruninga said. PCsat's downlink has been heard around the world, with reports logged from Alaska and Hawaii as well as from South Africa, Europe, Africa and even Antarctica. Carried into space in addition to PCsat were the Starshine 3 and Sapphire payloads. Starshine3 is a "disco" mirror ball with 9600 baud telemetry on 145.825. Sapphire has 1200-baud telemetry and a voice replay on 437.1 MHz. Starshine 3's mirror ball is visible to the naked eye for earthbound students to track. Chip Margelli, K7JA, spotted the satellite October 2 on the West Coast. "Starshine was at least as bright as Mars," he reported. "Very impressive!" Sapphire is a joint effort between the Naval Academy's Small Satellite Program, Stanford University and Washington University at St. Louis. Starshine is a NASA payload. The Kodiak Star launch—the first orbital mission from the Kodiak launch complex—had to be delayed several times—most recently due to high solar flare activity this past week. Earlier delays resulted from unsuitable weather conditions, a problem with a tracking radar, and travel delays because of the recent air traffic shutdown following the September 11 terrorist attacks.

For more information, visit the PCsat Web site, <<http://web.usna.navy.mil/~bruninga/pcsat.html>>. For more information on Sapphire, visit the Stanford University Space Systems Development Laboratories Web site, <http://ssdl.stanford.edu/aa/projects/squirt1/sapphire_overview.html>. The Starshine Web site is <<http://www.azinet.com/starshine/>>

Questions for General Class License

1.(G1A08) What are the frequency limits for General class operators in the 10-meter band?

- A. 28000 - 29700-kHz
- B. 28025 - 29700-kHz
- C. 28100 - 29600-kHz
- D. 28125 - 29600-kHz

2.(G1B01) Up to what height above the ground may you install an antenna structure without needing FCC approval unless your station is in close proximity to an airport as defined in the FCC Rules?

- A. 50 feet
- B. 100 feet
- C. 200 feet
- D. 300 feet

3.(G1C09) What is the absolute maximum transmitting power a General class amateur may use on 28.400 MHz?

- A. 200 watts PEP output
- B. 1000 watts PEP output
- C. 1500 watts PEP output
- D. 2000 watts PEP output

4.(G1E03) What kind of amateur station

simultaneously retransmits the signals of other stations on a different channel?

- A. Repeater station
- B. Space station
- C. Telecommand station
- D. Relay station

5.(G2A08) Why is the single sideband mode of voice transmission used more frequently than Amplitude Modulation (AM) on the HF amateur bands?

- A. Single sideband transmissions use less spectrum space
- B. Single sideband transmissions are more power efficient
- C. No carrier is transmitted with a single sideband transmission
- D. All of the above responses are Correct

6.(G2B04) When selecting a CW transmitting frequency, what minimum frequency separation from a contact in progress should you allow to minimize interference?

- A. 5 to 50 Hz
- B. 150 to 500 Hz
- C. 1 to 3-kHz
- D. 3 to 6-kHz

**THE OHM TOWN NEWS
PO BOX 111
PROVIDENCE, UT 84332**

October-November, 2001

Some Contents...

Presidents Message	1
Ham Profile: Arnold Finchum.....	1
LOTOJA Pictures	3, 4
Election information	5
Christmas Party Info	6

