



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

April 2006

>>>>>> <http://www.barconline.org> <<<<<<

PRESIDENTS MESSAGE

If you have not checked out our club website, you need to do it (www.barconline.org.) It has up to date information on all things going on in the club. You can sign in for a username and password to receive more privileges on the site. You can go there to find up to date information.

I would like to thank the VE's for the great work they do 4 times a year to help others get their license. This past test session we had 15 show up eager to upgrade or get their first license. Most of these were from our recent ham class we had. Expect some new hams on the air soon. Thanks to Heidi Blazzard, Bob Wood, Beanie Lofthouse, and Jim Lofthouse for their great work.



A big thanks goes out to Tom Baldwin for his persistent effort with our Tuesday night Nets. At club meeting we announced the desire to give Tom a break. Our proposal is to pass the net around and have someone take it each month. Thanks to those who volunteered to help. We can use more of you to help out. Jacob Anawalt our Vice President will spearhead this effort and work with those who have volunteered. We would like to have a brief training at least twice each month.

Thanks goes out to Boyd Humpherys for his write ups each month in the newsletter. It is great to learn more about these other hams in the valley. Thanks to Dale Cox our newsletter editor who is very patient with me and my crazy schedule lately.

Coming up are some great activities. For those of you who are newly licensed hams, activities are the

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HAM PROFILE

by Boyd Humpherys W7MOY

Since the April issue of Ohm Town News usually is a bit looser in its requirements for literary accuracy, it is suggested that all the other articles contained herein might bear some scrutiny, however the stuff we'll talk about today is straight from the horse's mouth. We'll promise not to nag you however.

The principles we and the rest of the world utilize in electricity were made possible by the genius of a handful of people who changed the world forever. Let's look at one such individual, born in Breslau, Silesia (now Wroclaw, Poland) on April 9, 1865, just five days before Abraham Lincoln was assassinated. He was born deformed, attaining a height of only 4 foot, 3", had a hunchback and with a hip problem, which required the use of crutches.

After a rocky start in his early school performance, his brilliant mind brought him to the head of his class, thence to an undergraduate degree from the University of Breslau, studying everything from mathematics, to economics, literature and medicine. He also received his Ph.D. there in 1888. An example of his mind and memory was his memorization of the logarithmic tables with which he could manipulate mentally to solve problems in a few seconds. How would you like that as a requirement for Math 101????



While in Breslau, he joined the Socialist Club having some sympathy with their facets, however the German Chancellor Otto von Bismarck began to round up those with socialist leanings and he was forced to flee quickly into Switzerland without even telling his

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Bridgerland Amateur Radio Club
Budget 2006

Income Dues	\$1,500
Income Savings	\$600
Total Income	\$2,100
Promontory site rental	\$600
Field day	\$375
Repeater repairs & equipment	\$600
Newsletters	\$180
Club fees & post office box	\$35
Christmas party	\$150
Socials and refreshments	\$160
Total	\$2,100
Contingency fund	\$600

The contingency fund is added to the budget to provide the board with emergency access to funds without additional vote should the need arise. The intention is for unforeseen repairs to repeaters or other emergency expenses. If needed the money is pulled from savings.

If you will not be at club meeting and desire to vote, please circle your vote below and mail this to the club at P.O. Box 111, Providence Utah, 84323.

Approve Budget

Reject Budget

We had an exam session on March 11 and the following have passed the license exam or upgraded:

Upgrade to Extra: KE7DGX Barnett Terry

Passed Technician license:
KE7GYD Elwood Richard D
KE7GYF Elwood Nathan R
KE7GYH Urroz Gilberto E
KE7GYJ Jarrett Clark

KE7GYC Swing Lisa A
KE7GYE Hansen Conly L
KE7GYG Adkins Kate K
KE7GYI Kelser Robyn C
KE7GYK Payne Jay M

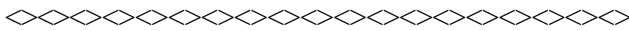
Congratulations to all!

(Presidents Message Continued from page 1)

best way to sharpen your skills. I remember after getting my new 2 meter handheld, I signed up to help at the Pony Express in Clarkston. This was my first public service event and a lot of fun. I got to use my handheld and press that PTT button on my radio. Then something happened. Someone had a flat on a horse trailer and needed to get a hold of someone to come help them. Time to use the auto patch, but I was scared to death. A voice at net control helped me through it, and all was well. Perhaps that is what I like about ham radio best, helping out.

See ya on the air,

Kevin



(Ham Profile Continued from page 1)

parents. While there his friend Oscar Asmussen, who happened to have a rich Uncle in the states, persuaded him to come to the United States which they both did, arriving in 1889. The customs officials, looking at the penniless 4'3" tall, deformed twenty four year old, were about to deport him back to Europe, when Asmussen convinced them that he was a mathematical genius and volunteered to support him. He brought with him a letter of introduction to Rudolph Eickenmeyer, a leading American electrical engineer and was soon busily engaged at the firm of Osterheld and Eickenmeyer Co. in Yonkers, N.Y.

When Otis needed a more powerful motor to lift his elevators to higher floors, he designed the motors. When a challenge was made to run trolley cars using alternating current rather than DC, he sequestered himself in his laboratory and solved the problem mathematically and his solution became known as the "Law of Hysteresis".

These developments did not go unnoticed by Thomas Edison, who initially promoted DC applications, and he immediately tried to hire this promising genius. He replied that his loyalty was with Rudolph Eickenmeyer, however that was soon to change. Edison craftily bought all of Eickenmeyer's patents and along with it a new employee, who shortly was transferred to the main GE plant at Schenectady, NY. This new GE engineer built a campsite on the Mohawk river and during the summer he would work in a canoe, sailing up and down the river, using a small board as a desk, doing mathematical calculations. Probably one of the first maritime mobile platforms. When his camp was struck by lightning, he invented a way to produce lightning bolts so he could study it.

In the early 1920s, he headed the school of Electrical Engineering at Union College, to become one of best in the nation. He served on city councils, Boards of Education, and projects to assist immigrant children. At Christmas every Schenectady orphan received books and gifts which he generously contributed.

He had formed a club, "The society for the Adjustment of Salaries" and on many evenings in his humble home built on GE property, the members spent evenings and late hours playing draw poker, he rarely being seen without one of his favorite Blackstone panetella cigars emitting wisps of blue smoke. During a crackdown on smoking at the G.E. labs, he was told that his ever-present cigar had to go. His reply was reported to have been "If the cigar goes, I go". He stayed.



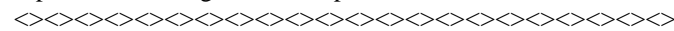
He was apparently on a first name basis with such notables as Guglielmo Marconi, Albert Einstein, Lord Kelvin, and many others. He was awarded many honorary degrees, developed many theories of alternating current, and was then considered to be the leading Electrical Engineer in the United States, and played a great part in the development of the power industry in this country. His accomplishments were legion and beyond the scope of this article, however many honors were and have been bestowed upon him, by leaders of many countries.

Two of his quotations appear worthy of mention. "No man really becomes a fool until he stops asking questions", & "I want to say that absolutely all the success I have had have been due to my thorough study of Mathematics". A man worthy of emulation.

Charles Proteus Steinmetz, died of a heart attack on 26 Oct., 1923, in New York.

There will be some training sessions sponsored by the Teachers Institute on Wireless Technology. These are all expenses paid. The application deadline is May 15, 2006. "The Teachers Institute on Wireless Technology (TI) is a week long, in-residence learning opportunity designed for motivated teachers and other school staff who want to learn more about wireless technology and bring that knowledge to their students. A variety of topics are covered during the 5 days of the TI including basic wireless technology literacy, electronics, and the science of radio; bringing space into the classroom; ham radio operation; introduction to micro controllers; and basic robotics."

If you have questions, please contact:
Mark Spencer, WA8SME, ETP Coordinator
774 Eastside Rd., Coleville, CA 96107
mspencer@arrl.org
or by phone at 530-495-9150 (PST)
<http://www.arrl.org/FandES/tbp/ti.html>



The ARRL Letter Vol. 25, No. 11 March 17, 2006

==>"HELLO" CAMPAIGN PROVIDES RALLYING POINT TO PROMOTE AMATEUR RADIO

The first components of the ARRL's "Hello" Amateur Radio public relations campaign now are available. "This campaign will give hams the tools they need to reach out in their communities to non-hams and influence their perception of Amateur Radio," says ARRL Media and Public Relations Manager Allen Pitts, W1AGP, who conceived the campaign and is its principal Headquarters contact. The "Hello" campaign is aimed at recasting Amateur Radio in the light of the 21st century and focusing on its universal appeal. At the same time, it will mark the 100th anniversary of what many historians consider the first voice radio broadcast in 1906 by Reginald Fessenden.

"For years, ARRL public information officers (PIOs) and others interested in promoting Amateur Radio have been looking for leadership and a rallying point from which we can join together in a major promotion for ham radio," Pitts said. This is it! Tools include a distinctive "Hello" Web site <<http://www.hello-radio.org/>> and radio and TV public service announcements.

Based on the word "Hello," which Pitts calls "possibly the most pleasant word in any language," the coordinated campaign will set "a positive, upbeat tone that highlights the international capabilities of Amateur Radio," he explained. The "Hello" Web site is designed for non-hams to learn a little bit about Amateur Radio and to arouse more interest. The site points prospective Amateur Radio licensees to groups that have indicated they will provide a warm welcome to newcomers. The national "Hello" campaign can bring curious people into contact with ham radio groups, but it will be up to local radio amateurs to make them truly welcome, Pitts maintains.

"The key to creating a new ham operator is to develop a relationship with a current ham operator," says Pitts. Behind the effort is "an army of dedicated, truly motivated PIOs and others who want to see ham radio flourish."

A series of 30-second radio public service announcements (PSAs) <<http://www.arrl.org/pio/pr.html>> has been developed for the "Hello" campaign. "You can help by downloading the PSAs from the ARRL Web site onto a CD

and taking it to your own local radio station," Pitts suggests.

A broadcast-quality video for the "Hello" campaign will be available in April.

Copies of the special four-page "Hello" brochure <<http://www.arrl.org/pio/hello/Hello-Campaign-Brochure.pdf>> are available from ARRL Headquarters for use during presentations to non-ham groups. (Full details on the "Hello" campaign plus a pull-out copy of the brochure are available in the April issue of QST.) The brochures are suitable for talks to schools, clubs, displays and other venues promoting Amateur Radio to the public. There is a space on the back page to add local club info.

"For 100 years, the magic of the human voice over radio has brought imaginations to life. It opened a whole new era of human communication," the brochure declares, urging, "It's your world. Get on the radio and say 'Hello.'"

To obtain copies, e-mail the "Hello" campaign <hello@arrl.org>. Donations are welcome (make checks out to "ARRL") to help cover return postage to ARRL, Public Relations, 225 Main St, Newington, CT 06111.

"Hello" logo bumper stickers will be on sale through the ARRL on-line catalog <<http://www.arrl.org/catalog/?item=9731>>. Buttons for the "Hello" campaign will be available at Dayton Hamvention and at other major Amateur Radio events. Banners for the "Hello" campaign will be flying at Dayton Hamvention and at the National Association of Broadcasters convention in April. After that, they will be made available for use at major events in 2006.

"ARRL President Joel Harrison, W5ZN, was correct in stating that the Main Street of today is not the same as the Main Street of yesteryear," Pitts says. "To reach out today, the very first requirement is that Amateur Radio operators be perceived as friendly and trustworthy. That's a true public relations goal and the primary focus of the campaign."

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The ARES E-Letter March 15, 2006

Letters: ARES Volunteers and NIMS Compliance

Are volunteers required to be National Incident Management System (NIMS) compliant? I decided to ask FEMA for clarification. Their answer: "Thank you for contacting the NIMS Integration Center. The short answer is: Yes. In a response scenario that extends beyond local government, there needs to be common terminology and doctrine that everyone can follow so that personnel and resources are feathered in a seamless manner. This is especially true for radio communications. Radio operators need to understand what is being said and asked of them during an incident so that they can convey this information effectively and efficiently. Please let me know if I can provide further assistance. Regards, Paul F. Ganem, NIMS Integration Center"

We need to push NIMS and ICS training as hard as we can. If you know of a forum where these issues are being discussed, I would be very interested in participating.—Ron Breitwisch, KC0OX, District Emergency Coordinator, Iowa District 6 West, Emergency Preparedness Director, <<http://ares.rf.org/linn/kc0ox.htm>>



Questions for General Class License

1. (G1D10) If you are a Technician Class operator with a CSCE for General Class operator privileges, on which of the following band segments must you include the special identifier "AG" after your call sign?
 - A. Whenever you operate from 18068 - 18168-kHz
 - B. Whenever you operate from 14025 - 14150-kHz and 14225 - 14350-kHz
 - C. Whenever you operate from 10100 - 10150-kHz
 - D. All of these choices are correct
2. (G2B06) When selecting a RTTY transmitting frequency, what minimum frequency separation from a contact in progress should you allow (center to center) to minimize interference?
 - A. 60 Hz
 - B. 250 to 500 Hz
 - C. Approximately 3 kHz
 - D. Approximately 6 kHz
3. (G2E03) Which of the following user adjustable controls are usually associated with VOX circuitry?
 - A. Anti-VOX
 - B. VOX Delay
 - C. VOX Sensitivity
 - D. All of these choices are correct
4. (G3B03) If the HF radio-wave propagation (skip) is generally good on the 24-MHz and 28-MHz bands for several days, when might you expect a similar condition to occur?
 - A. 7 days later
 - B. 14 days later
 - C. 28 days later
 - D. 90 days later
5. (G4B02) What is a digital oscilloscope?
 - A. An oscilloscope used only for signal tracing in digital circuits
 - B. An oscilloscope used only for troubleshooting computers
 - C. An oscilloscope used only for troubleshooting switching power supply circuits
 - D. An oscilloscope designed around digital technology rather than analog technology
6. (G5A09) What unit is used to measure reactance?
 - A. Mho
 - B. Ohm
 - C. Ampere
 - D. Siemens
7. (G8A13) What signal(s) would be found at the output of a properly adjusted balanced modulator?
 - A. Both upper and lower sidebands
 - B. Either upper or lower sideband, but not both
 - C. Both upper and lower sidebands and the carrier
 - D. The modulating signal and the unmodulated carrier
8. (G9D03) What is the characteristic impedance of flat-ribbon TV-type twin-lead?
 - A. 50 ohms
 - B. 75 ohms
 - C. 100 ohms
 - D. 300 ohms

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PO BOX 111
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April, 2006

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