

# THE YARN

## *Yankee Amateur Radio Club Newsletter*

### **November 2009 Edition**

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## PREZ SEZ

Well what do you know, the first snow has fallen and the temperatures are falling. It seems like just yesterday that we had Maine's one day of summer. I think it might have made it to the low 80's. I hope that everyone had a good summer and that everyone is ready for winter. The snow tires put on and the yard work all done. I know I am not ready. I am never ready.

One good thing that comes from the short days and cold weather is the thought that before long it will be time for Winterfest. This is one of the best little hamfests that I have seen. I hope to see you all there. It will be here before you know it.

I hope that I see you at a club meeting. If I do not then I hope to hear you on the radio. If you have anything of club interest I hope that you will forward it to me and if you do not feel like talking about it in a group I will always be there to meet in person. Just drop me a message at [n1wjo@maine.rr.com](mailto:n1wjo@maine.rr.com) or mail it to me at Robert Gould, 572 Poland Spring Road, Casco Me 04015.

Until next month, stay safe and stay radio active.

Bob Gould

## New YARN Editor

First, let me thank all of the members for allowing me the opportunity to edit the Yankee Amateur Radio Club and Lee, W1LWT, for his time and dedication to previous editions of the YARN. Communication is a true art and can be found in many forms, from communicating orally to writing articles, it is important to be able to convey a message to an audience well. Communication can even be passive—Body language says everything about a person without uttering a single word. I hope to share innovative ideas with club members and have an open exchange of ideas, allowing others to voice their thoughts in articles they wish to contribute. If you would like to have an article in one of the newsletters, please send an email to [cory.m.golob@gmail.com](mailto:cory.m.golob@gmail.com) or mail to 63 Jordan Bridge Rd, Sabattus, Maine, 04280. If there is something that you would like to see in the newsletter, you can email your request or contact me on the air. In this technological age, most people have access to high speed internet, however, if anybody has a slow connection, such as dialup, please let me know so that I can make an alternate version of the newsletter that is not arduous to download.

May you all enjoy reading the newsletter just as much as I enjoy writing it!

73, Cory Golob - N1URA

## Secretary's Report

Secretary's Report, September 12th, 2009

Those in attendance were, Dan Engstrom, KB1FIG; Rich Hook, KG1ZR; Dick Knight, N1NYW; Virginia Knight, N1NYV; Phil Young, W1JTH; Bill Crowley, K1NIT; George & Kay Drisko, KB1AQE; Dot Young, W1TGY; Randy Clement, KB1PFJ; Jim McIrvin, N1IPA; Bob Sessums, W1LTX; Ivan Lazure, N1OXA; Jerry Hume, K1WTX; Lee Trask, W1LWT; John Goran, K1JJS; Rod Scribner, K1RFD; Martin Engstrom, N1ARY; Dave Hawke, KQ1L; Don Parker, N1JTJ; Gary Daigle, KB1GBD; Carol Inman, KB1KDX; Drew Northup, N1XIM; Joe Grace, W1SK; Brit Rothrock, AB1KI; Anne Rothrock, KB1PYV; Gary Gilman, N1ZNJ; Bob Gould, N1WJO

We held the September business meeting at the Windsor Hamfest in Windsor Maine.

1. We held a round of introductions.
2. The Treasurers report was read and accepted.
3. The secretary's report was read and accepted.
4. John Goran, K1JJS discussed the purchase of the new master control unit for the repeater system.  
Dave Hawke, KQ1L, put out the offer that if anyone had any questions about the new control unit, to talk to him personally.
5. John described the new fee structure. Jim McIrvin, N1IPA brought up the fact that I had forgotten to add the newsletter fee to the write up on the new fee structure.
6. Dave Hawke nominated Bob Gould, N1WJO, for president of the club. John called it 3 times for any other nominations no one responded so the nomination was seconded. One of the seconds came from Lee Trask, W1LWT and then we unanimously voted Bob into office.
7. Dave then nominated Bill Crowley, K1NIT for vice president. Rod Scribner, K1RFD seconded and we then voted bill into the office of vice president.
8. Either Bob or Gary nominated Martin Engstrom, N1ARY for Treasurer and Dan Engstrom, KB1FIG for Secretary. Multiple people seconded the motion, but I think I will blame this one on George, KB1AQE.
9. John thanked everyone who helped him along during his presidency.
10. Bill thanked John for the wonderful work he has done as president.
11. Lee Trask is resigning from his position as newsletter editor, so Bob will be looking for someone to fill those shoes.
12. We will be holding our October meeting on the air.

73's, KB1FIG

# GETTING STARTED ON CW, PART 1

By Bill Crowley, K1NIT

I had a new ham approach me recently and say that he was interested in getting on the air on cw, but he didn't know just how to go about getting that first QSO. As I thought about it, it became obvious that it really *wasn't* all that obvious just what you did to start. So here are a few ideas to get the electrons out flowing from your antenna.

The first assumption is that you already know the code well enough to copy at five words per minute or more. A slower speed will severely limit the number of other stations you will be able to copy or that want to copy you; 10 to 12 wpm is ideal for a start.

The best places to start are the 80-meter and 40-meter bands, as the operators there are more apt to be rag-chewers, as opposed to dx-ers. On 40, try between 7.035 MHz and 7.060 MHz, and on 80-meters, between 3.530 MHz and 3.680 MHz. Lower frequencies will generally find faster cw speeds, and higher frequencies will usually have little activity (on cw, at least). Novice and Technician class licenses are limited to 3.525 to 3.600 Mhz and 7.025 to 7.125 Mhz.

An easy way to find someone to talk to is to listen for a CQ. An advantage here is that you will not have to worry about the other op sending too fast for you to copy, as you are already copying him or her. Pick one of moderate signal strength, which will help ensure that you are heard; responding to a weak CQ may mean that your signal is equally weak on the other end. The exception here is that other station may be operating QRP.

If as you tune around, you don't hear a CQ that you want to respond to, you can call CQ yourself. When you come across that quiet frequency, first put out a QRL? to make sure no one is using it, and then send yours. If you don't get a response on the first transmission, try it again. Other people are probably tuning around looking for a QSO and may not have been on your frequency at the time you were transmitting. If you don't get a response after three or four tries, then you should consider changing frequencies or looking for someone else's CQ. But whatever you do, be sure to keep your sending speed equal to your copying speed, so that someone answering your call doesn't blow you out of the water!

As you are tuning around, you might hear someone just wrapping up a QSO ("73 es hpe to c u agn" for example). After both stations clear, try calling one of them and see what happens. Again, you will be fairly sure that you will be able to keep up speed-wise, because you have already been copying along. If you have been reading the mail for any length of time, you may have most of the information about them on your scratch pad – name, QTH, rig, etc.

A final option, one which is not often used, is to break in on a QSO in progress. I don't recommend this unless you know one of the other ops, and you may not be recognized if the other two don't know you. A clue to whether they are open to a roundtable QSO is if they are using "KN" at the end of each transmission, or "go ahead, only the station called." If they are using this, don't break in, but wait for the QSO to end and call one or the other.

So there you have it: Getting Started On CW 101. Next month, we'll take a look at what to talk about after you make that first contact.

## Look Up And Live

Understanding one's surroundings is crucial and can be life-saving. On Monday, October 12, 2009, three people in Palm Bay, Florida were killed while trying to erect an antenna when the pole fell and struck 13,000 volt power lines. The family members were aged 55, 49 and 15. As winter grows closer and hams decide to put up antennas, please remember to look up and see if there are any power lines in the area. Stay away from overhead lines and never assume a line is either dead or a television or telephone wire. Report downed wires to Central Maine Power at 800-696-1000. If for some reason, you do not have telephone service, but can access the internet, reports can be made via the following website: <https://www.cmpco.com/Outages/Notifications.html> (Be sure that you know the name on the account and CMP account number since they are required fields).

## H.R. 2160: Amateur Radio Emergency Communications Enhancement Act of 2009

H.R. 2160 is a bill that was introduced by Rep. Sheila Jackson-Lee [D-TX] to **'promote and encourage the valuable public service, disaster relief, and emergency communications provided on a volunteer basis by licensees of the Federal Communications Commission in the Amateur Radio Service, by undertaking a study of the uses of amateur radio for emergency and disaster relief communications, by identifying unnecessary or unreasonable impediments to the deployment of Amateur Radio emergency and disaster relief communications, and by making recommendations for relief of such unreasonable restrictions so as to expand the uses of amateur radio**

H.R. 2160 instructs the Secretary of Homeland Security to undertake a study, and report its findings to Congress within 180 days, on the uses and capabilities of Amateur Radio communications in emergencies and disaster relief. This study should:

- Include recommendations for enhancements in the voluntary deployment of Amateur Radio licensees in disaster and emergency communications and disaster relief efforts;
- Include recommendations for improved integration of Amateur Radio operators in planning and in furtherance of the Department of Homeland Security initiatives;
- Identify unreasonable or unnecessary impediments to enhanced Amateur Radio communications, such as the effects of private land use regulations on residential antenna installations, and make recommendations regarding such impediments;
- Include an evaluation of section 207 of the Telecommunications Act of 1996 (Public Law 104-104, 110 Stat. 56 (1996)); and recommend whether section 207 should be modified to prevent unreasonable private land use restrictions that impair the ability of amateurs to conduct, or prepare to conduct, emergency communications.

## Daylight Saving Time Ended November 1<sup>st</sup>

Eastern Daylight Saving Time reverts back to Standard Time on the first Sunday of November, which will be November 1<sup>st</sup> this year, at 2 a.m. Remember that clocks go back an hour and UTC time will go from -4 hours to -5 hours (2100 UTC will be 1700 hours EST). Eastern Standard Time will remain in effect until 2 a.m. on March 14, 2010.

## October was Fire Prevention Month

While October was Fire Prevention Month, it is still a good idea to get into the habit of checking the batteries in your smoke detector regularly. It is also a good idea to have a carbon monoxide detector, which can commonly be purchased as a combination smoke/CO detector, especially in the colder months when people run appliances inside and neglect proper ventilation; Last year, a family in Maine died when they decided to run a generator inside a home without any ventilation.

Have you made an evacuation plan for your home in case of a fire? Is there a communication plan? Is there a designated spot in the yard where everybody knows to meet? Are there fire extinguishers in the home? Do the extinguishers have the proper capability for the type of fire (A, B, C or D)? Class A extinguishers, used for paper, wood and plastic fires, will not help in an electrical fire. Make sure you have the right tools for the right job.

## Next YARC Meeting at China Rose

The next YARC meeting will be Saturday, November 21, at the China Rose Restaurant in Brunswick. We usually start gathering around 11:00AM and eat about 11:30 or 12:00 with the gift swap right after. We draw numbers from those participating in the swap and that is the order that you will pick your gift. Gifts should be in the \$5 price range.

## Mode of the Month

### *Hellschreiber*

Each month I will feature a mode in the newsletter, discuss its history, properties, locations it can be found and add a audio clip of how it sounds to help people better identify the mode. It is difficult to converse with someone if you are unfamiliar with the mode they are using and how it operates. These articles will serve as a guide to operation, etiquette and anticipation of people trying new modes.

Hellschreiber is a digital mode that was invented by Rudolph Hell in 1929. Portable machines were used by the Wehrmacht during World War II. Data is sent at 245 baud (5 characters per second). The most popular Hellschreiber format is Feld Hell, which operates at about 35 words per minute. Characters were eventually printed as double lines and are now simulated as a sort of virtual tickertape in computer soundcard software.

Here is what Hellschreiber sounds like:



Common frequencies for Hellschreiber are 1.804 MHz, 3.574 to 3.584 MHz, 7.077 to 7.084 MHz, 10.137 and 10.144 MHz, 14.063 MHz, 18.104 MHz, 21.074 MHz, 24.924 MHz and 28.074 MHz.

There only appears to be one active group for Hellschreiber:  
The Feld Hell Club <http://sites.google.com/site/feldhellclub/>

Software for Hellschreiber:

IZ8BLY Hellschreiber (freeware) <http://xoomer.virgilio.it/aporcino/Hell/index.htm>

Multipsk (freeware) [http://f6cte.free.fr/index\\_anglais.htm](http://f6cte.free.fr/index_anglais.htm)

MixW (shareware) <http://mixw.net/>

## November Contests

### November 2009

High Speed Club CW Contest	0900Z-1700Z, Nov 1
Ukrainian DX Contest	1200Z, Nov 7 to 1200Z, Nov 8
ARRL Sweepstakes Contest, CW	2100Z, Nov 7 to 0300Z, Nov 9
DARC 10-Meter Digital Contest	1100Z-1700Z, Nov 8
WAE DX Contest, RTTY	0000Z, Nov 14 to 2359Z, Nov 15
JIDX Phone Contest	0700Z, Nov 14 to 1300Z, Nov 15
OK/OM DX Contest, CW	1200Z, Nov 14 to 1200Z, Nov 15
CQ-WE Contest	1900Z, Nov 14 to 0500Z, Nov 16
Run for the Bacon QRP Contest	0200Z-0400Z, Nov 16
YO International PSK31 Contest	1600Z-2200Z, Nov 20
SARL Field Day Contest	1000Z, Nov 21 to 1000Z, Nov 22
LZ DX Contest	1200Z, Nov 21 to 1200Z, Nov 22
All Austrian 160-Meter Contest	1600Z, Nov 21 to 0700Z, Nov 22
ARRL Sweepstakes Contest, SSB	2100Z, Nov 21 to 0300Z, Nov 23
EU PSK63 QSO Party	0000Z-2400Z, Nov 22
CQ Worldwide DX Contest, CW	0000Z, Nov 28 to 2400Z, Nov 29

## November Special Event Stations

**Nov 1-Nov 15, 0600Z-0559Z**, Claremore, OK. Rogers County Wireless Association, W5R. Commemorating Will Rogers Birthday. 14.250 14.070 7.200 3.850. Certificate. Dirk Flint, K7QVD, 1460 Paradise Pkwy, Claremore, OK 74017. [www.rcwa.org](http://www.rcwa.org)

**Nov 1-Nov 16, 1700Z-0300Z**, Sevierville, TN. 470 Amateur Radio Group, W4H. 2<sup>nd</sup> Anniversary of the 470 ARG Net. 24.450 14.260 14.070 7.260 7.070 3.860. QSL. Note amateur's name and send QSL to, call that is working the W4H event. [www.470arg.com](http://www.470arg.com)

**Nov 5-Nov 8, 1700Z-1700Z**, Whitefish Point, MI. Stu Rockafellow Amateur Radio Society, N8F & K8F. Remembering the *Edmund Fitzgerald*. 18.160 14.260 7.260 3.860. Certificate. Richard Barker, W8VS, 264 N East St, Brighton, MI 48116. [www.qsl.net/w8njh](http://www.qsl.net/w8njh)

**Nov 6, 1700Z-2300Z**, Marietta, GA. Lockheed Martin Employees Amateur Radio Club, W4LMA. Veterans Day and Marietta built F-22, C-130, C-5. 21.320 14.280 7.250. QSL. David Pearce, AB0NG, PO Box 5213, Marietta, GA 30061. [ab0ng@arri.net](mailto:ab0ng@arri.net) or [www.w4mfc.com](http://www.w4mfc.com)

**Nov 7, 1200Z-2200Z**, Iowa City, IA. ACT, N0T. 50<sup>th</sup> anniversary of the 1<sup>st</sup> administration of the ACT test. 14.260 14.075 14.020 21.300. QSL. Art Peters, 308 E Burlington St. #284, Iowa City, IA 52240. [K0ACP@arrl.net](mailto:K0ACP@arrl.net)

**Nov 7, 1400Z-2100Z**, Rocky Point, NY. Radio Central Amateur Radio Club, W2RC. Radio Central Day. 14.280 14.050 7.114 7.050. QSL. Radio Central ARC, PO Box 396, Centereach, NY 11720. *Celebrating the 88th Anniversary of the First Transatlantic Transmission from RCA's Radio Central transmitting facility.* [www.rcarc.org](http://www.rcarc.org)

**Nov 7, 1500Z-2000Z**, Livonia, MI. Livonia Amateur Radio Club, W8F. Sinking of the Edmund Fitzgerald in Lake Superior. 14.260 14.040 7.250 7.125. Certificate. Bruno Walczak, WA8DHP, 16601 Golfview, Livonia, MI 48154-2139. *Will operate on 10, 15, 20, 40 and 80 m as conditions permit.* [www.livoniaarc.com](http://www.livoniaarc.com)

**Nov 7, 1700Z-2359Z**, San Diego, CA. USS Midway (CV 41) Museum Radio Operations Room, NI6IW. Veterans Day and US Marine Corps Birthday 1775. SSB 14.320 7.250 PSK-31 7.050 CW 14.060 7.055 D-STAR 2m/70cm SOCAL rep. QSL. USS Midway Museum Radio Room, 910 N Harbor Dr, San Diego, CA 92101. [kk6fz@arrl.net](mailto:kk6fz@arrl.net)

**Nov 7-Nov 8, 1500Z-2200Z**, Waterloo, IA. Five Sullivan Brothers Amateur Radio Club, W0FSB. Veterans Day and Marine Corps Birthday. 14.240 7.240. Certificate. Vernon McNulty, 4015 Independence Ave, Waterloo, IA 50703. [t-mc-nulty@msn.com](mailto:t-mc-nulty@msn.com)

**Nov 7-Nov 9, 1600Z-0200Z**, Split Rock, MN. Stillwater Amateur Radio Association, W0JH. Remembering the *Edmund Fitzgerald*, 35<sup>th</sup> Anniversary, from Split Rock Lighthouse. 21.360 14.260 7.260 3.860. Certificate. Stillwater Amateur Radio Assoc, W0JH, 1618 West Pine St, Stillwater, MN 55082. [w0jh@arrl.net](mailto:w0jh@arrl.net) or [www.radioham.org](http://www.radioham.org)

**Nov 9-Nov 12, 1300Z-2359Z**, Spiro, OK. D.W. Greenwood, W5M. Commemorating US Marine Corps Birthday. 28.390 21.360 14.315 7.230. QSL. D. W. Greenwood, 19299 Greenwood Rd, Spiro, OK 74959.

**Nov 10-Nov 12, 1700Z-2100Z**, Iron Mountain, MI. Mich-A-Con Amateur Radio Club, K8V. UP Veterans Memorial atop Pine Mountain. 14.230 14.060 7.230 7.060. Certificate. Thomas Martin, 812 West B St, Iron Mountain, MI 49801. [w8jwn@arrl.net](mailto:w8jwn@arrl.net) or [www.qsl.net/ka1ddb](http://www.qsl.net/ka1ddb)

**Nov 11, 1200Z-2359Z**, Nutley, NJ. Robert D. Grant United Labor Amateur Radio Assoc, N2UL. CQ Veterans Day. Freedom is not free; it's paid for by our veterans. 28.460 14.260 7.250 EchoLink W2NJR-R. Certificate. RDGULARA, 112 Prospect St, Nutley, NJ 07110-0716.

**Nov 11, 1300Z-2300Z**, Sioux Falls, SD. Northwest Iowa Amateur Radio Club, W0V. Saluting all veterans! USS South Dakota Memorial BB57. 14.280 7.200 3.825. QSL. Mark Carlson, Box 272, Ashton, IA 51232. [alaskamark@nethtc.net](mailto:alaskamark@nethtc.net)

**Nov 11, 1300Z-1700Z**, Stratford, CT. Greater Bridgeport ARC & Derby OEM, N1S. Sikorsky Aircraft Military Appreciation Day. 14.255 7.255. Certificate. Frank Krasnicki, K1CRU, 94 Andrasko Rd, Beacon Falls, CT 06403. *Event also sponsored by Sikorsky Aircraft's Veteran's Association to honor all Vets and servicemen presently deployed.*  
[www.gbarc.net](http://www.gbarc.net)

**Nov 11, 1400Z-2200Z**, Columbus, GA. Columbus Amateur Radio Club, N4I. Honoring America's Veterans from the National Infantry Museum. 14.250 14.045 7.225 7.045. QSL. Columbus Amateur Radio Club W4CVY, PO Box 6336, Columbus, GA 31917. *Certificate and/or QSL available.* [www.w4cvy.org](http://www.w4cvy.org)

**Nov 11, 1400Z-2200Z**, Emporia, KS. Emporia Amateur Radio Society, K0V. Veterans Day. 14.268 7.262 3.920. QSL. Conrad Steinel, K0UER, 950 Oxford Dr, Emporia, KS 66801. [www.qsl.net/emporiaars](http://www.qsl.net/emporiaars)

**Nov 11, 1500Z-2245Z**, Baton Rouge, LA. Baton Rouge and USS Kidd Amateur Radio Clubs, W5KID. Veteran's Day. SSB: 15 20 40 m Gen & above RTTY subband CW: QRP sub bands. QSL. W5KID, 305 S River Rd, Baton Rouge, LA 70802. *Primary frequency is 20 meters.* [www.lsu.edu/brarc/uss\\_kidd.htm](http://www.lsu.edu/brarc/uss_kidd.htm)

**Nov 11, 1500Z-2300Z**, Bellevue, NE. Strategic Air Command Memorial Amateur Radio Club, K0GRL. To honor the service & sacrifice of all vets on Veterans Day. 18.147 14.247 7.247. QSL. SACMARC Inc, K0GRL, PO Box 1292, Bellevue, NE 68005-1292. [treasurer@sacmarc.org](mailto:treasurer@sacmarc.org)

**Nov 11-Nov 12, 0800Z-0759Z**, Santa Cruz, CA. United Veterans Council, K6V. Veterans Day. 14.280 7.250. QSL. Veterans Emergency Radio Room, 846 Front St, Santa Cruz, CA 95060. [vetshall.org](http://vetshall.org)

**Nov 11-Nov 15, 1600Z-2100Z**, Arlington Heights, IL. Armored Force Amateur Radio Net, KA9NLX. Veterans Day in honor of all military veterans. 14.325 7.283 MT63/ Olivia/ MFSK 10.133 and 2 meters. Certificate. John Paskevicz, 1423 N Ridge Ave, Arlington Heights, IL 60004. [jpaskev@aol.com](mailto:jpaskev@aol.com)

**Nov 11-Nov 15, 1600Z-2200Z**, Indianapolis, IN. USS Indy Amateur Radio Station, WW2IND. Veterans Day. 14.260 7.260. Certificate. USS Indy Radio, 6455 Madison Av, Indianapolis, IN 46227. [www.ussindyradio.org](http://www.ussindyradio.org)

**Nov 13-Nov 15, 0000Z-2359Z**, Burley, WA. Burley Amateur Radio Club, W1E. Commemorating historical significance of Friday the 13<sup>th</sup>. 28.313 14.313 7.263 3.913. QSL. Tom Sanders, 4072 SE Saxon Ct, Port Orchard, WA 98366. [tjsand@wavecable.com](mailto:tjsand@wavecable.com)

**Nov 14, 1200Z-1800Z**, Azle, TX. Tri-County Amateur Radio Club, WC5C. 12<sup>th</sup> Annual NCTECH Station honoring Emergency Communicators. 14.260 7.260 147.16. QSL. NCTECH 2009, c/o David Johnson, KB5YLG, 820 Wood Ln, Azle, TX 76020.

*NCTECH is an annual ARRL sanctioned Hamfest and On-the-Air event to honor Amateur Radio Operators involved in Emergency Communications. [www.wc5c.org](http://www.wc5c.org)*

**Nov 14, 1400Z-1900Z**, Guthrie, OK. Edmond Amateur Radio Society, K5EOK. Commemoration of Oklahoma Statehood Day. 21.285 14.265 7.265 3.865. Certificate. EARS, PO Box 48, Edmond, OK 73083. [k5eok@arrl.net](mailto:k5eok@arrl.net) or [www.k5eok.org](http://www.k5eok.org)

**Nov 14-Nov 15, 1400Z-1900Z**, Bridgeport, CT. Greater Bridgeport ARC, Inc & Derby OEM, N1Z. Celebrating The Connecticut Beardsley Zoo. 28.440 21.350 14.255 3.855. Certificate. Greater Bridgeport Amateur Radio Club, Inc, c/o John G. Russo, KA1JXW, 104 Woodside Ave, Waterbury, CT 06708. [www.beardsleyzoo.org](http://www.beardsleyzoo.org) or [www.gbarc.net](http://www.gbarc.net)

**Nov 14-Nov 23, 1800Z-0200Z**, Utica, NY. Utica Amateur Radio Club, K2IQ. Commemorating the 75<sup>th</sup> anniversary of the UARC 1934-2009. SSB 14.275 7.275 3.875 CW 14.034 7.034 3.534 RTTY 14.075. QSL. UARC, PO Box 71, Utica, NY 13501. [www.uticaarc.org](http://www.uticaarc.org)

**Nov 16-Nov 22, 0000Z-2359Z**, Civitavecchia, ITALY. I.N.O.R.C., IIØTRM. In memory of T.R. McElroy, World's Champion Telegrapher. 14.045 10.115 7.025 3.563. QSL. Fabio Bonucci, IK0IXI/ K0IXI, via delle Sterlizie, 10, Civitavecchia, RM I-00053, ITALY. [www.qrz.com/II0TRM](http://www.qrz.com/II0TRM)

**Nov 17, 1500Z-2300Z**, Paulden, AZ. Yavapai Amateur Radio Club, K7NRA. NRA's 138<sup>th</sup> birthday. 21.335 14.250 7.250. Certificate. Michael Campbell, K7NRA, 404 Lampliter Village, Clarkdale, AZ 86324. *Operating from Gunsite Academy.* [www.w7yrc.org/nra\\_birthday.htm](http://www.w7yrc.org/nra_birthday.htm)

**Nov 20-Nov 22, 1900Z-1900Z**, Washington, DC. Radio Club of America, W2RCA. Centennial Celebration of the Radio Club of America. 14.285 7.225 3.885. QSL. Radio Club of America, PO Box 621074, Littleton, CO 80162. [www.radioclubofamerica.org](http://www.radioclubofamerica.org)

**Nov 21, 1300Z-2100Z**, Moultrie, GA. South Georgia United Methodist ARS, WG4UM. Historic Moultrie Automotive Swap Meet. 28.425 18.150 14.240 7.185. Certificate. Randy Woods, 5410 Little Oak Way, Lake Park, GA 31636. [aj4rw@bellsouth.net](mailto:aj4rw@bellsouth.net)

**Nov 22-Dec 6, 0000Z-0000Z**, Berwyn, IL. Chicago Suburban Radio Association, W9C. 85 years since the founding meeting of CSRA. 145.555 21.331 14.255 7.190. QSL. Ed Schumacher, 3011 Becket Ave, Westchester, IL 60154. [www.csraham.com](http://www.csraham.com)

**Nov 27, 1300Z-2000Z**, Eastham, MA. KM1CC Marconi Cape Cod Radio Club, W1P. 111<sup>th</sup> anniversary of the sinking of the Steamer PORTLAND. 14.310 14.030 7.260 7.030. QSL. Henry Brown, K1WCC, 19 Sao Paulo Dr, East Falmouth, MA 02536. [k1wcc@arrl.net](mailto:k1wcc@arrl.net)

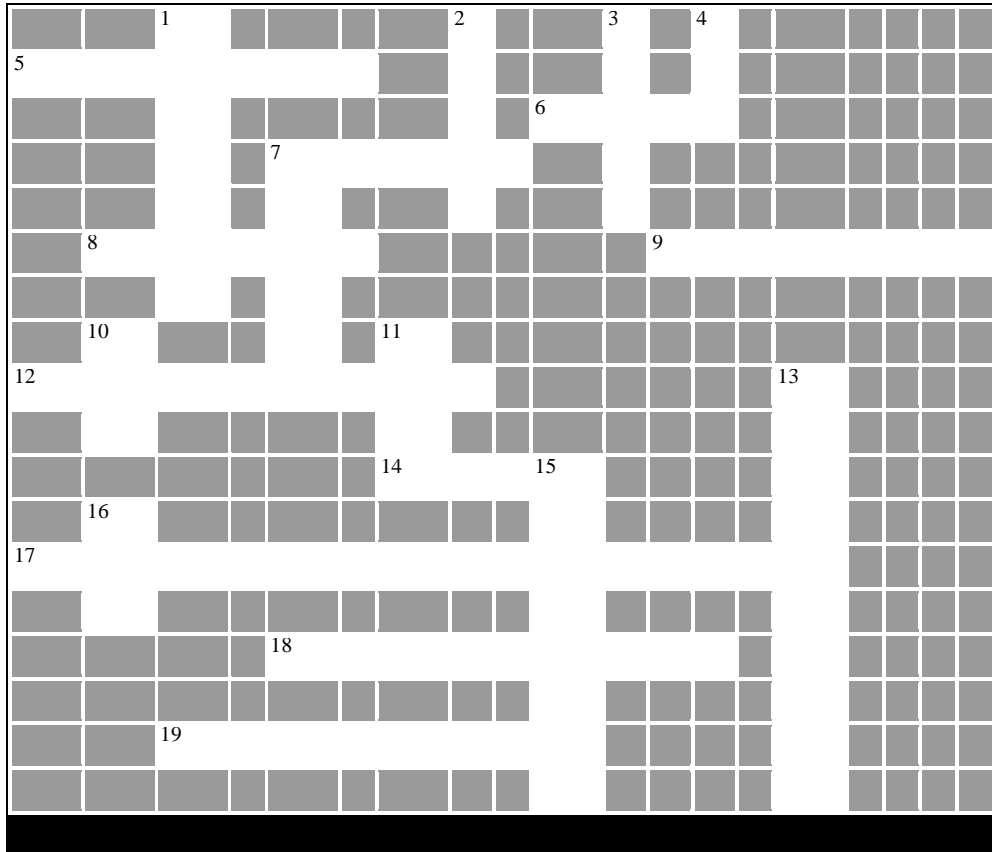
**Nov 28, 1500Z-2200Z**, Manitowoc, WI. USS Cobia Amateur Radio Club, NB9QV. 66<sup>th</sup> Birthday of USS *Cobia* WWII Submarine. 14.260 7.250. QSL. Fred Neuenfeldt, W6BSF, 4932 S 10th St., Manitowoc, WI 54220-9121. [www.qrz.com/nb9qv](http://www.qrz.com/nb9qv)

**Nov 28-Nov 29, 0001Z-2359Z**, All US call areas. Ten-Ten Club, W6OI. 10-10 Special Event. 10 m. Certificate. Jack Moore, K5CC, 371 Ridge Creek Ln, Bulverde, TX 78163. *QSL and certificate available.* [www.ten-ten.org](http://www.ten-ten.org)

**Nov 28-Nov 29, 1400Z-2000Z**, Plymouth, MA. Whitman Amateur Radio Club, WA1NPO. First Pilgrim Landing at Plymouth, MA. 18.140 14.280 7.250 3.860. Certificate. Whitman ARC, PO Box 48, Whitman, MA 02382. *Times are daily.* [www.wa1npo.org](http://www.wa1npo.org)

**Nov 28-Nov 29, 1400Z-2000Z**, The Villages, FL. The Villages Amateur Radio Club, K4VRC. 14<sup>th</sup> Anniversary of the club from Sumpter Landing Square. 14.310 7.250 3.940. Certificate. Dennis Hardoin, 601 Lacy Pl, The Villages, FL 32162. [vicepresident@tvarc.net](mailto:vicepresident@tvarc.net) or [www.tvarc.net](http://www.tvarc.net)

# NOVEMBER CROSSWORD



## ACROSS

- 5. Type of contest usually lasting 4 hours
- 6. Alternative to using ladder line
- 7. Type of loop antenna; Greek letter representing change
- 8. Digital Mode: \_ Shift Keying
- 9. The "S" in SWR
- 12. 14 MHZ in relation to 7 MHz; slang used to describe a ham's child
- 14. Mode invented by Bob Bruninga
- 17. The Northern Lights (2 words), enjoyed by 6 meter ops
- 18. Country with the prefix VK
- 19. Celebrity ham who died this year... And that's the way it is

## DOWN

- 1. 1st Trans-Atlantic message "What hath God \_?"
- 2. Number of ohms a radio seems to like
- 3. Electronic component that conducts electricity in 1 direction
- 4. \_ Hunting AKA Radio Direction Finding
- 7. Annual cup awarded to top operator with most DXCC band points
- 10. Spark \_ Transmitter; Manufacturer of vertical antennas
- 11. Phonetic for "L"; Capital of Peru
- 13. Method for learning CW, characters sent at 18 WPM
- 15. Mountain where the 146.88 repeater is located
- 16. Proword used when ending a transmission, never used with "Over"

# Yankee Amateur Radio Club, INC. Membership Application

DATE\_\_\_\_\_

RENEWAL\_\_\_NEW MEMBER\_\_\_

FULL(\$20)\_\_\_FAMILY(\$30)\_\_\_ASSOCIATE (non-voting)(\$15)\_\_\_

LAST NAME\_\_\_\_\_

FIRST NAME\_\_\_\_\_ CALL

SIGN\_\_\_\_\_

FIRST NAME\_\_\_\_\_ CALL

SIGN\_\_\_\_\_

FIRST NAME\_\_\_\_\_ CALL

SIGN\_\_\_\_\_

ADDRESS\_\_\_\_\_

CITY\_\_\_\_\_ STATE\_\_\_\_\_ ZIP\_\_\_\_\_

TELEPHONE\_\_\_\_\_

EMAIL  
ADDRESS(ES)\_\_\_\_\_

ARE YOU AN ARRL MEMBER? (The Yankee Club is an Affiliate  
Club)\_\_\_\_\_

*Please make your check payable to:*

**Yankee ARC, Inc.**

**Then mail the completed form with your enclosed check to:**

**MARTIN D ENGSTROM, JR**

**227 West Fryeburg Road**

**FRYEBURG ME 04037-9603**