



YL-Harmonics

A Bi-monthly Publication of the Young Ladies' Radio League, Inc.



May/June 2022

\$2.75

Field Day 2022



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Cover Photo: Margaret Hardwick, AE7MB, and Marilyn
Melhorn, AF7MM, at the Clark County ARC tent on Field
Day

May/June 2022

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Dues can only be paid for one (1) year or three (3) years at a time. Dues are \$15.00 for one year and \$45.00 for three years. The membership year is from January 1st to December 31st with memberships becoming delinquent on March 1st.

An additional **\$4.00** is required for Canada and Mexico **airmail**.

Dues for a licensed YL family member (residing at the same address) are **\$3.00**. Subscriptions for non-members are \$15.00 per year and may not be pro-rated for portions of years.

For US and Canada **ADDRESS CHANGES** or dues payments please contact the Receiving Treasurer, **Vicky Luetzelschwab, AE9YL**, 1227 Pion Road, Ft. Wayne, IN 46845 rectreas@ylrl.org

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President's Message de Rita McConnell, NE0DB

131 N. Blythe Dr.
Pueblo West, CO 81007
president@ylrl.org

It's the Most Wonderful Time of the Year ... It's ARRL Field Day Time!

On the fourth weekend of June of each year, thousands of radio amateurs gather with their clubs, groups or simply with friends or individually to enjoy the many aspects of amateur radio. ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. For many amateur radio clubs, it's their only major event held each year. Whether it be for contesting, emergency practice, comradeship, it's the perfect opportunity for fun and food!

And if you're in the right place at the right time, you may even catch-up with an ARRL representative visiting your local FD event. Rain or shine, with the exception of the war years, Field Day has been an integral part of amateur radio since 1933.

Volunteers Needed

Many YLs hesitate to become YLRL volunteers for one reason or another. What better time is there than now? There are three exciting opportunities awaiting your acceptance. I am seeking volunteers for the following: (1) District 3 Chairwoman, (2) Branded Merchandise Team, and (3) Artist.

The D3 chair is self-explanatory. The "Branded Merchandise Team" came about as a suggestion at the March Board of Directors' Meeting that a team be formed to pursue an avenue for YLs to purchase "YLRL" tee-shirts, caps, etc. Partial work has been accomplished in the initial project; all that is needed are a couple of YLs to finish the project. Along the same line is the need for an additional artist to help with the design. We do have an art teacher who has volunteered to get the art work rolling. Contact me at president@ylrl.org for additional information. If the Branded Merchandise Team does not come to fruition, there will be no items or apparel for your enjoyment.

33 Rita





Vice President's Message de Carol Laferty, K4SAF vicepresident@ylrl.org

Hello YLRL Members,

Things are greening up beautifully in the Bluegrass state of Kentucky. (Secret: it was *really* named after the Music I hold so dear, NOT the stuff you mow.) After a three-year absence, the Dayton Amateur Radio Association's **Hamvention 2022** got to happen in May. The theme was **Reunion** and that is what it felt like as I ran into old friends. I attended Friday and Saturday and enjoyed myself more than ever. The YLRL Booth was well staffed and buzzing with visitors. When I was there, I saw Anne Manna WB1ARU, Cheryl Muhr, NØWBV, Linda Metz, KC8PKY, and Marsha Fleming, N8FE in the booth. I hope they signed up several new members.

As a newly appointed ARRL QSL card checker for Kentucky, I helped check QSL cards at the ARRL's Radiosport Booth. I was a bit anxious about doing it, but no worries, as there was an experienced co-checker with me, Mike W0VTT. Carole Perry's, (WB2MGP) Youth Forum was fun as always, hearing about the adventures of the youngest operators in our hobby.

The highlight of Hamvention for me personally was being presented the prestigious ARRL 5-Band DXCC Award by the ARRL CEO, David Minster. Thanks to Danny Dantzler, W0JMP, for arranging that photo op. I have been working on the award for the past two years and completed it in May. Since, I have added 17 and 30 meters to the award. Watch out 12 meters as you're next! The core of the 5 Band DX award is at least 100 DX countries on each of the Legacy Bands, 80, 40, 20, 15, and 10 meters, and other bands are added to the plaque as completed.



Hearing that Covid 19 virus deaths in the US reached 1 million in May revived memories of a YL friend and YLRL member, Theresa Korn, K7JGU, or Terry as she was called. Terry succumbed to the effects of Covid on April 9, 2020, in Wenatchee, WA, at age 93.

Born in 1926 in Missouri, Terry became a ham at age 14 in 1941 in her then home state of PA. At the time she was the youngest ham in the U.S. She earned a pilot's license in her teens, as well. She was a 52-year member of YLRL, having joined in 1968. Theresa became the first female to enter and complete an engineering degree at the Carnegie Institute of Technology; however, she could be awarded only the Bachelor of Science degree because she was a female. She had been awarded a Carnegie engineering scholarship, but not being able to receive the degree due to gender discrimination, she refused the scholarship. Her

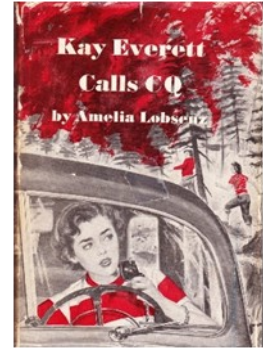
YL pilot friends financed her way through the University. She was nominated to the engineering honor society after graduation, but they refused her nomination, and gave her instead "Best Student in the Class."

Continued on page 6

Continued from page 5

Theresa married Dr. Arthur Korn, a German-born physicist, who was a Professor at the University of Arizona for many years. They had two children, as she continued her work in the engineering and computer fields. Together, they co-authored a widely used textbook "Mathematical Handbook for Scientists and Engineers" in 1967, and it is still published and used today. She and Arthur were pioneers in early computer design. Terry wrote many other books in the engineering and computer fields.

I am proud to have called her my friend. We corresponded by mail and talked on the phone. She was friendly, humble and energetic. I mentioned to her that I had bought a copy of the novel written for young teens by Amelia Lobsenz, "Kay Everett Calls CQ." It was published in 1951 and was about the adventures of three young girls traveling the country in a trailer. One of them was a ham and that played heavily into their adventures. One chapter features a young female ham pilot, who befriends and helps them along the way. That character was based on Terry Korn, K7JGU. I asked Terry if she had ever read the book, and to my surprise she said "No." I bought a copy and sent it to her as a gift. She was elated to finally read the book. That speaks to her humility.



Terry had the lung condition COPD, which added to her struggle with the Covid virus. She told me once that she had been isolated in her Washington home for weeks due to the smoke from the forest wildfires in the Northwest. I often told her what an honor it was just to know her, and of course, she came back with "It's my honor to know YOU!" I regret that I never got to meet her in person.

We have many accomplished members in our YLRL organization. When we honor one, we honor all. Theresa kept her membership active for 52 years. She said at the end of her life that of all her life's accomplishments, getting her amateur radio license was among the most important. Please do some further Googling to learn more about Theresa Korn and her amazing life. [Theresa M. "Terry" Korn | Women's Plaza of Honor \(arizona.edu\)](https://www.theresamkorn.com/) Until next issue, stay well and get on the air. Amateurs all over the world are anxious to talk to you.

33, Carol Laferty, K4SAF

President's Advisory Committee

Anne Manna, WB1ARU; Barbara Yasson, AC7UH; Nancy Rabel Hall, KC4IYD

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Marilyn Melhorn, AF7MM; Ria Jairam, N2RJ; Carol Laferty, K4SAF

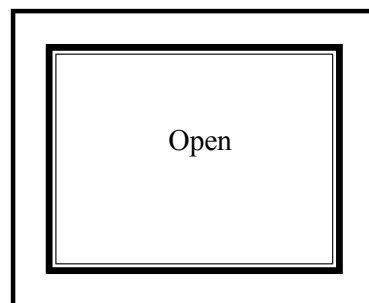
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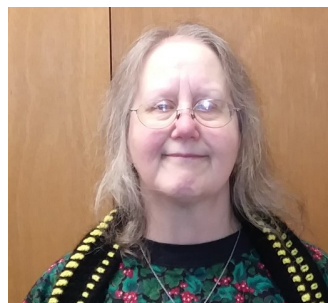
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Meghan Crocker, KL5AF
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KL7 and KH6 District Co-Chairwoman
Sharon Groomer, KL2CM
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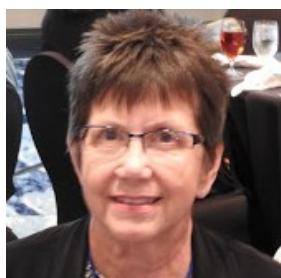


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dxtreas@ylrl.org



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Judy Cox, KC5BOO
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Vicky Luetzelschwab, AE9YL
rectreasurer@ylrl.org



New YLRL Members de Anne Manna, WB1ARU

newmem@ylrl.org

DISTRICT 1

Judith Wodynski, K4LEK
Nantucket, MA 02554
Judith holds a Technician license.

Anita Kemmerer, AB1QB (REJOIN)
Hollister, NH 03049
Anita holds an Extra license.

DISTRICT 2

Jean Consorti KD2ZAJ
Monroe Township, NJ 08831
Jean holds a General license.

Tobi Massano AD2CD
Monroe Township, NJ 08831
Tobi holds an Extra license.

DISTRICT 3

Barb Korteling KC3TJN
Honesdale, PA 18431
Barb holds a General license.

DISTRICT 4

Jill Dybka KR4EE (REJOIN)
Sparta, TN 38583
Jill holds an Extra license.
Her former call was KF4ZEO.

Diane Phillips NK4TE
Mableton, GA 30126
Diane holds an Extra license.

DISTRICT 5

Wendy Baum, WF8R
Fredericksburg, TX 78624
Wendy holds an Extra license.

Theresa Purdy, KI5ODV
Houston, TX 77049
Theresa holds an Extra license.
She is a VE for W5YI.

DISTRICT 6

Lea Christensen KJ6OUY
Little River, CA 95456
Lea holds a Technician license.

DISTRICT 7

Annaliese McDermond NH6Z
Lebanon, OR 97355
Annaliese holds an Extra license.

DISTRICT 8

Elizabeth (Elise) Campbell KE8TYU
Columbiana, OH 44408
Elise holds a Technician license.

Susan Scott KD8FIZ
Miamisburg, OH 45342
Susan holds a General license.

Tina Kampman, KD8UYY
Springfield, OH 45506
Tina holds a Technician license.

Cindy Kuntzman, KE8EJF
Franklin, OH 45005
Cindy holds a General license.

Amy Lacey, KE8UYZ
Niles, OH 44446
Amy holds a brand new Technician license.

Cristina Staats, WD8KUR
Boyne City, MI 49712
Cristina holds a General license.

DISTRICT 9

Linda Nardin, W9LAN (REJOIN)
Fort Wayne, IN 46835
Linda holds an Extra license.

DISTRICT 10

Desiree Baccus N3DEZ
Castle Rock, CO 80109
Desiree holds an Extra license.

Martha Auchard W0ERI
Leavenworth, KS 66048
Martha holds an Extra license.

Elizabeth (Betsy) Gordon AD0AP
Denver, CO 80220
Betsy holds an Extra license.

Evelyn Jacobson, WB0VHF
Bloomington, MN 554231
Evelyn holds an Extra license.

CANADA

Abby Goodrum VE3UXD
Waterloo, Ontario N2L 2P8
Abby holds a Basic with Honors license.

DX

Lynette Bijleveld PD4LYN
Gouda NETHERLANDS
Lynette holds a Novice license.

Silent Key

KB3ATI Brenda S. Diamond-Rose 24 January 2022



**Scholarship Information
de Linda Hynan, AC5QQ
Scholarships@ylrl.org**

**Scholarship Information
Memorial Scholarships
Ethel Smith, K4LMB
Mary Lou Brown, NM7N
Martha (Marte) Wessel, K0EPE**

The following donations were received:

Memorial

For present and past WRONE SKs

Henrietta Horvay (KA1JVN)

Donation

Hiromi Hishiki (JJ1CAS)

Michelle Carey (W5MQC)

Green Valley Amateur Radio Club, N7GV

Thank you for your generous gift!

Contributions to this fund support three annual YL Scholarships in the pursuit of higher education. The Foundation for Amateur Radio (FAR) administers the amateur radio-related scholarships including those sponsored by YLRL. Applications are submitted to FAR in April of each year and the scholarship winners are selected in June/ July and announced in the November/ December *YL Harmonics*. Information about FAR can be found at the following web site:

<http://www.farweb.org>

To make a donation

Make your check payable to:

YLRL Scholarship Fund

Send your donation to:

Linda Hynan, AC5QQ
1312 Western Ridge Dr.
Waco, TX 76712-8709
(254) 666-4873
LSHynan@hot.rr.com



**Webmistress
de Michelle Carey**
webmaster@ylrl.org

I want to thank Angie Voss, G0CCI, for sending me some of the missing issues of YL Harmonics from 1985 and 1988. They are scanned and on the website for everyone to enjoy. If you have copies of any of the missing issues (most of the 50's and a couple from 1984), let me know!

Also, if you have YL events or pictures, we would love to add them to the website.

33, Michelle, W5MQC

WHY PARTICIPATE IN A NET

We hear about them all the time; they seem to be rampant everywhere (virtually one for any day of the week). But why should we join the nets?

Learn proper technique

Check the range of your equipment for prolonged communications

Build your network

Camaraderie

Share knowledge

Learn Proper Technique

Many hams participate in the hobby to be able to assist in emergency communications and some are in it for the sheer joy of the science and technical tomfoolery. Regardless of why you are in the hobby, it is important to operate your station correctly. Nets provide operators with an environment to learn a variety of skills: how to operate their radios, speaking effectively for a good transmission, the errors of quick keying, traffic handling, how to break into a QSO, how to report information and the ability to listen and record important information. Just to name a few.

Submitted by **Terri, N9ZEN**

Reprinted from April 2020 YLH

District News

District 1

Women Radio Operators of Maine recently rekindled their organization. Their first public appearance was at the Androscoggin Amateur Radio Club Hamfest and Maine ARRL Convention in Lewiston on April 2. Many YLs stopped by to express their support and thanked us for our presence. Pictured are Marion, N3OA; Joan, W1DLC; and Brenda, N1ZPV. Thank you, Barbara, for providing an assortment of YLRL materials. They definitely enhanced our presentation. A Facebook page for our organization has been established, and we look forward to hearing from our YL friends.



One YL, in particular, touched our hearts with her stories and enthusiasm. Joy, WA1YZV, has been a ham since 1973. She is seen here holding a copy of her recipe in the Maine YLs 1984 cook-book.

Joan W1DLC recently participated in the New England QSO Party, logging 101 contacts.



Anne, WB1ARU, and OM, Tony, WA1ENO, journeyed to Hamvention 2022 "Reunion" and had an excellent time. "It was great to see long time friends and make new ones. The YLRL booth was a busy place most of the time with several YLs becoming members for the first time. It was exciting to have a large turnout for "YL Reunion", the YL Forum on Friday afternoon. Our speaker, YLRL Youth Chair, Katie Campbell, KE8LQR, gave a great presentation on starting and encouraging school clubs."

We went through Pennsylvania on our return trip and stopped to see ham friends, Lois, WB3EFQ, and her OM, Tom. I think I have known Lois for over 40 years! We worked together as YLRL officers for several of those years.

I am still getting on the air nearly every Wednesday evening kicking off the "YL Meet-up" on 20 and/or 40m. Conditions are quite variable, so each week is a bit different. I would really like to hear that there are YLs across the country who are getting on and calling "CQ YL" even if they do not hear me! One evening an OM camping in California heard us and his 9 year old daughter, Sagan, wanted to talk to us. Afterward he sent me a picture of her wearing headphones, talking to us.



From Barbara, KC1KGS:

Hope everyone has been enjoying some pleasant weather! I was able to attend the NEARFest in Deerfield, NH for a short while this April. First time—I got a general idea of the layout and met up with a few people, one of whom I'd never met in person! Will come up with a plan to work on a YL table for the Fall version in October.

Meanwhile, I continue participating in VE sessions about every week and am a contributor to various nets 4 days a week. Unfortunately I haven't had great success with the Yankee Lassies net the last few weeks—conditions aren't ideal for great contacts for me for some reason. I participate in my club's meetings every week either by zoom or in person—planning for Field Day is continuing!

I am a member of the ARRL New England Division Mentoring and New Ham Development Working Group, run by Assistant Director Anita, AB1QB. I continue my interest in attracting a diverse group of people (including YLs!) into amateur radio.



District 4

Kelly Loyd, KI4JAV, has been recently appointed as the new Scott County ARES Emergency Coordinator in Tennessee. She is very excited to take on the role and will be transitioning over into the position over the next few months.

Audrey McElroy, KM4BUN, recently launched a high-altitude balloon as her final high school project. Attached is the abstract taken from her research paper on the launch as well as some images showing the components of the payload and the recovered payload

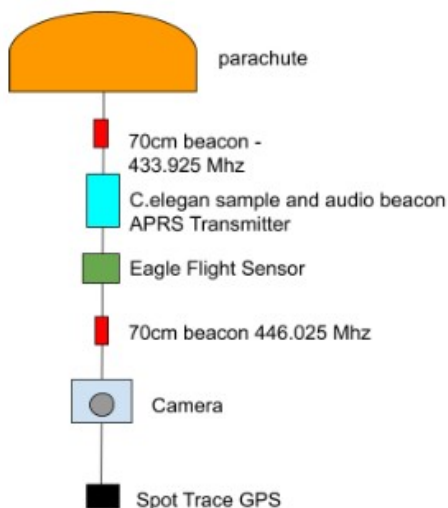
In this project, a sample of *C.elegans* will be studied for any changes in their development, size, and expression of the *myo-3* gene when exposed to extreme conditions found in the upper atmosphere of the Earth.

The sample will be sent up as part of a high-altitude balloon payload, allowing for a relatively inexpensive experiment. The high-altitude balloon itself will be outfitted with several tracking methods, utilizing amateur radio frequencies, in compliance with the FCC.

The payload will also consist of a device used to measure temperature and pressure, in order to see what the sample was exactly exposed to. In terms of radiation data, the University of Alabama at Huntsville provided raw data for purposes of examining how much radiation the *C.elegans* may have been exposed to. After the launch has been completed and recovered, the *C.elegans* samples, along with a control, will be studied over the course of about a week in order to view and record any changes in reproduction rate, size, and the ability for expression of *myo-3* through the expression of GFP. Through examination and statistical testing, a slight statistical significance was found with an increase in reproduction rate with the samples of *C.elegans* that were on the high-altitude balloon payload. There was no statistical significance in a change in size, nor was there a visual change in the expression of GFP. The experiment itself proved to be successful in the ability to inexpensively send biological samples to high altitudes and yielded some interesting results, as explained further in this examination.

Thanks

Audrey McElroy, KM4BUN



District 5

Sorry I did not get the message out to all the 5th district members for news.
Hope everyone had a great field day. We can collect news and pictures for the next newsletter.
I would like to welcome a new member to YLRL: Wendy Baum of Fredericksburg, TX
Judi Jaksa, W0JJ/5
5th District Chr

District 7

I haven't been on the radio for quite awhile but EchoLink is a champ! We are currently on a cruise in Mexico. Left Mazatlan today (4/26/22) and are on our way to Puerto Vallarta then home Saturday. Our local ham group is starting to meet in person. Has been a very long time! Hope everyone is safe and healthy. Skye, KA7SKY

We are in Deming, NM for the summer having a great time at an RV park that we stayed many times over the years. We attend the Amateur Radio Club meeting and check into their 2m net each Thursday night. I stay in touch with New Mexico ham friends on the 80m Breakfast Club each morning. The weather is very dry with high winds many days a week, but the temperature is very favorable. Our little shelter dog Marty keeps us in shape with long walks and playing ball a few times a day. He now has a little doggy swimming pool and enjoys playing with his toys in the water. It is less messy than the mud puddles he really enjoyed. I spend a lot of time doing my family genealogy. I've met many of my DNA matches which have been an enormous help with my family tree. As it happens, most of the surnames in the small town in Louisiana where I grew up are the surnames in my family tree going back to the 1400s. Little did I know that most of my school mates were probably DNA Matches. Margaret AE7MB does an excellent job running the Minow Net each Friday morning at 08:00 UTC on 14.310, or 14.288 if 14.310 is busy. Please come and join us. Have a safe, healthy and happy summer!
33, Judy, KC7KPG

Keeping busy here as usual! Here are the highlights: Sea-Pac, the Pacific NW ARRL convention, is coming up the first weekend in June and I am this year's Vice-Chair (next year's Chair) so I've been involved in its planning. We hope for an enjoyable return to in-person convention! I'm continuing to study CW through CWOps, which I highly recommend for anyone who's ready to learn/improve their CW. My grandmother, Clarice, had her 100th birthday in February. It wasn't safe enough to have a gathering, but she was feted in a variety of ways: a newspaper interview, having a tribute to her read into the Oregon state legislature record, cards and letters from all our representatives, senators, and the White House! It was a special celebration. She is doing remarkably well, still cognitively sharp, still gardens, and even drives for short distances quite safely. She isn't a bad roommate, either :-). I love my job as Oregon's Hard of Hearing Specialist with Oregon Deaf and Hard of Hearing Services and the opportunities it gives me to make a difference for other hard of hearing and Deaf people. I work with a wonderful Deaf Specialist, with whom I partner on projects and use my sign language skills daily. Growing up completely deaf in one ear and partially in the other, I gained a great deal of insight about the needs of Deaf and hard of hearing people and have all kinds of projects in "the hopper." I'm currently rolling out assistive technology "kits" in a statewide pilot that will help staff communicate with Deaf or hard of hearing people using virtual relay sign language interpreting, real-time (human generated) speech captioning, or just speech amplification. I hope that these kits will also be used by Deaf and hard of hearing staff to support their work as well. I'm still "nesting" in the newly built house I bought in 2020, and expect to make the outdoor space more of an oasis this year with a firepit, heat lamp, swing bench with

sunshade, and occasional BBQ! We have raised bed planters set up with veggie starts as well as more flowers and berry plants in the ground. Really looking forward to summer, and hopeful we aren't plagued by wildfires or 115 Fahrenheit "heat domes" like last year. I'm a proud auntie, as my grand-niece Alina (KI7ZRG) recently passed her general test! Alina is entering her senior year of high school, taking some college courses along with her high school classes. She's an awesome "geek girl!"
33, Barbara, KI7BR

Our local radio club, the Clark County Amateur Radio Club, is working on the first in-person Awards Banquet since 2019. It has been fun trying to remember what we did 2 years ago. Fortunately the documents for previous years have been saved so we will be able to get it going in our usual style. I've been working on the YLRL continuous membership. While I'm not caught up yet I'm getting the hang of it. It is fun and interesting. The first part of the year is when most of us renew so that's when the big membership lists come to me, and that's what I'm working through now. I'm looking forward to the MINOW meeting on May 14 when I'll host the Zoom portion. Since MINOW members come from Montana, Idaho, Nevada, Oregon and Washington, having the meeting via Zoom means more members can participate. The local Hazel Dell Parade of Bands will be on Armed Services Day, May 21; I'm coordinating the communications team. The last live parade was held in 2019. In 2021 they did a fun online "parade" that included CVTV clips from past parades as well as videos of the local bands performing for the 2021 online presentation. This was the only time in 2021 that some of the bands were able to perform, so they had a really good time. I'm looking forward to SEA-PAC the first weekend in June. The best part is it will be live. This year's Field Day will look a lot more like it did in 2019, so more fun to be had. 33, Barbara, AC7UH

District 8

Janice, W8MTR wrote: I bought an Elecraft KX3 "Shack in a Pack". It comes with everything. It has the KX3 160-6M all mode transceiver, a pan-adaptor, antenna tuner, a brief case type carrying case and other extras. I'm very excited to have it delivered, but because of the supply chain problems, the boards are held up along the way. I'm told by Elecraft I will have to wait 8-12 weeks for delivery. So now I'm 7 weeks in!!

Brenda, KB8IUP wrote: I went to Dayton and was looking for you. Sorry you couldn't make it this year. My 5 year-old granddaughter is the one I had written to you about that is interested in space and I was going to show you some pictures of her in her space outfit and space tent. At Dayton I went to the YL forum and listened to several speakers including the young girl that spoke of her school radio club. It was very interesting and I praise that young lady for what she does for her club. There was a raffle for those who were not members and one for the members. I was the lucky one to win the members prize—the wooden coasters. They are very nice. Thanks to the YL group for them. Dayton was truly a great hamfest. I got to see old friends and made some new ones friends. We didn't get wet! We had left on Sat. about 4 and then the rain let loose. We bought a new 220 radio so we can get that up and running. Of course we have to get the antenna up first. That is about it this month. Hope your summer is going well.

Nancy, KC4IYD wrote: The OM has assembled the Rohn 55FK fold-over tower into 2 parts (see attached pictures) and has painted the tower with galvanized paint as he noticed some rust spots. Once done, the next step will be to bring in a crane to install the tower and then add the 10 element tri-bander (20-17-15M), rotator and coax. Can't wait until we are back on the air.

In addition, during the months of April and May, I got together with Annette, KC8SQM; Dawn, KC8SQN; and 4 other friends for our monthly SpaceCrafter's Zoom weekend. I set up Zoom and 5 of us will scrapbook while the 6th person quilts. It's a fun way for us to stay in touch and continue working on crafting hobbies.



Top view of tower that will attach to the base



Tower folder over section



Bottom view of tower next to base

NASA YL Trivia

Have you ever wondered “who was the first female ham in space”? Well a colleague of mine was in a Teams meeting with me and several of the NASA amateur radio club members when the question was asked, so he did a little research and found out the following ...

Linda Godwin, N5RAX, was the first female to go into space with a ham radio license on Atlantis for the STS-37 mission in April, 1999. In fact the entire crew of STS-37 were licensed hams (at the insistence of their commander, Ken Cameron, KB5AWP, and Jay Apt, N5QWL). Jerry Ross, N5SCW, and Steve Nagel, N5RAW, were the other two crew members. They ALL made ham radio contacts during the mission with 10 schools, and operated voice, packet, SSTV and received an ATV uplink from the ground (W5RRR was the uplink station).

Of noe, Kathryn Sullivan, N5YYV, was the first female NASA astronaut to into space (STS-41-5, 5 October 1984) that later became a ham radio operator. Kathryn got her ham license on 11 Feb 1992 for the STS-45 mission (launched 24 Mar 1992), so she was not a ham on her first spaceflight. Sally Ride was also a crewmember of STS-41-G and marked the first time that two women were in space together. Kathryn was the third US woman in space preceded by Judith Resnick (2nd) and of course, Sally Ride.

Thanks to John, AB5SS for this little bit of NASA YL history.

Nancy, KC4IYD/8

NASA On the Air

NASA is well known for communication with astronauts on space missions, but now amateur radio operators can contact NASA centers around the world. Now until the end of this year, NASA will mark several past and present-day key milestones where the NASA amateur radio clubs at the agency centers and support facilities across the United States plan to celebrate these occasions with “NASA on the Air” special event stations.

Upcoming “NASA on the Air” Events in 2022 will include:

- June 18-24th Commemorating STS-7 & Sally Ride—In honor of 2022 American Women’s Quarter Release
- July or August—James Webb Space Telescope
- Aug—ARTEMIS launch
- December 7—19th In honor of the 50th Anniversary of the Apollo 17 mission

Please check the NOTA website regularly as Special Event dates are always being added.
<https://nasaontheair.wordpress.com>

Nancy, KC4IYD/8

District 9

It has been a busy couple of months for my OM and me in radio. In April we participated in the Michigan QSO party. We made 50 contacts. The first weekend in May we participated in the Indiana QSO party where we made 75 contacts. Not too bad for 100 watts and a wire. Then of course the biggest event in May — Hamvention. It was awesome. The YLRL booth was fun we have 2 new banners. Cheryl, N0WBV, did an amazing job designing them. Our forum was great and we had a large group for our annual picture. We had lots of visitors to our booth over the weekend. A couple of ladies who had gotten their Tech license at Hamvention signed up on the spot. Several pages were filled in our guest book.

On Friday evening Dave and I went to the Hope Hotel and heard a band consisting of amateurs. Appropriately named “Spurious Emissions” They take popular tunes and change the lyrics to amateur radio lingo. We thoroughly enjoyed them.

That was it for radio next on the agenda is Carburation Day at Indy with our son.

Linda Metz, KC8PKY

*Cheryl, N0WBV, and Anne, KC9YL ,
at the Dayton Hamvention*



District 10

Barb, KD0WAU – District 10 continues to participate in Zoom Meet Ups. Here is a wrap up on what some of the Ladies are doing.



KD0WAU, Barb – Barb relayed information on the recent Andover, KS, Tornado. She was storm spotting when the sirens went off and she went to the basement. No major damage except the roof. Barb said it was good she was on the radio as fellow hams followed up after the tornado hit to see if she was okay!

W5MQC, Michelle – Michelle joined us after being on Echolink as Net Controller on the World Node. Michelle says it is Ladies Night on Tuesdays, 7:00 CT. Michelle said she got booths free at hamfests for YLRL District 5 the last couple of years and Barb confirmed she also was given booths at hamfests at no cost. Michelle told us the YL DMR Net is still going strong. Devora from Israel is Net Control with Pat in Canada. Check the calendar for more information. Michelle is looking at purchasing a new home with 20 to 30 acres. Jodie suggested Michelle take out an HF Rig, spread out a long wire and check the ground floor noise when looking for their new home and watch out for farmers electric fences!

NE0DB, Rita – Rita is looking for a talented person (perhaps a graphic artist?) to do some art work. Rita says we perhaps would take our Girl on the World logo and make it more modern.

It's up to the league. Rita said we also need a design for the YLRL 85th Anniversary Convention. Rita had a couple of other goals looking for someone to start up the merchandise shop and we could also use someone to help create and establish a budget to control spending.

KD0DFY, Shirley–Shirley retired from the Army Nurse Corp in 1993 and from a hospital in 2015. She said she doesn't have a rig so doesn't get on the air often and has had difficulty getting on Echolink. The ladies suggested she try a Cell Phone application as you don't have to mess with the ports on the Internet. Barb has her own Echolink Node KD0WAU-L if anyone wanted to try out that connection.

KE0MDJ, Jenn -She is moving back to Colorado from Florida where she was doing caretaking for her Mom. Jenn said she attended a Bar-BQ at a local club. She met a lady who wanted to talk to her 65-year-old Mom in Brazil who is a ham. The lady wanted to get her ham radio license and Jenn will try to help her so she can talk with her Mom. Jenn was looking forward to getting her G90 HF radio in her backpack when she gets to Colorado. Jenn, a tech, is still seriously studying to upgrade her license and needs encouragement. Jenn shared with the lady hams that she is afraid of damaging her equipment or getting hurt. Doshia encouraged her to not be concerned unless there is a lightening strike!

KB0MPL, Margot – Margot is trying to decide how to do Field Day this year. She lives in Iowa and her husband is president of their local club. Her husband does have some health issues and they may work from home. Margot said she got on the YLRL net last week on 20 meters at 8:00 PM Central Time. She was in her grey zone at 14.288. The frequency is posted on Facebook each Wednesday and is determined based on the propagation. Michelle said it is on the YL Internet site calendar as well. Margot says she gets on the Digital Net once a week and she really enjoyed actually talking on the air with YLs.

KB0NAS, Doshia –Doshia's 100-year-old Mom passed away recently. Her Mom was a World War II veteran. She was a WAVES Communications Officer (Women's Accepted for Emergency Service in the Naval Reserve during WWII) in the Boston Port Authority. She was a liaison between the Navy and the Port Authority. She was working on getting her license after many years but her Mom was worried about remembering her morse code from WWII. Doshia told her she knew everything on the exam but her Mom lost her vision and felt she couldn't really learn it. Doshia felt she was an amazing person who encouraged Doshia to get her license. Her Mom had four children and we thanked Doshia for sharing her Mom's inspiring life with us.

K5YL, Jodie – Jodie lives in the country on 18 acres in Arkansas. In response to Rita she volunteered to help the YLs in designing new artwork for the YLRL as she is an art teacher. Jodie said she recently joined a new MARS group on 3.935 called the Central Gulf Coast Hurricane Net. Jodie's husband bought her a new dipole especially for that frequency! It is an NVIS antenna at a 45 degree angle and Jodie says she is getting great signal reports! Jodie told us she was on her 100 foot tower putting up a new Log Periodic Antenna. See below for her picture showing Jodie 60 feet up on the tower. Mind you Jodie told us she is 62 and climbing towers and this picture proves it.



Jodie, K5YL climbing radio towers

District KL and KH

Meghan Crocker: At the end of April, my daughter Audrey took her Technician exam. She did very well and was asked by the Anchorage Amateur Radio Club (KL7AA) to do a little write up on her experience studying for and taking the test, as a way of encouraging others to get their license. Her new call is KL5IX. As a new ham, her privileges are limited but we're making the most of them. There was a ten meter opening and she was able to work a few stations on SSB. We've also been making contacts via satellite. One of her first satellite contacts was with KE8RJU, Grace. Audrey is also practicing her CW.

I've been busy starting plants in the greenhouse and getting the garden beds ready for planting. Everything is still pretty muddy as of the middle of May but I think I can get my potatoes planted this week. We're also still having freezing temps overnight.

Every spring we also tap birch trees to make syrup. This year we ordered some special evaporator pans from Vermont. Their larger surface area allows the sap to evaporate much more quickly than the crab boil pot we had been using. It took pretty much all day to boil 40 gallons of sap down to about three gallons. The next day I finished it on the stovetop. For birch trees the sap ratio is 100 to 1, meaning it takes 100 gallons of sap to get one gallon of syrup. Maple trees have a 40 to 1 ratio.

We've been surf fishing for halibut but so far have not caught any. Our friend Jason, KL7AAR has an air cannon that he uses to put up antennas. His plan is to use the air cannon to launch frozen pieces of bait (attached to the reel) to get the line further out. Sounds like a plan to me. I'm looking into getting our truck set up with a radio and some antennas for mobile operation. I think I've decided on a Hustler for 20m and a Diamond for VHF. We already have a "Mr. Potato Head" radio. In June we will be heading up north towards Fairbanks. I'd like to stop at Denali on the way up and do a POTA activation if we have time. We'll also be visiting some dog kennels, going to hot springs, metal detecting, and rock hounding. No trip to the Fairbanks area would be complete without a trip to Pioneer Park and the "North Pole," the Santa-themed attraction in the town of North Pole (right outside of Fairbanks).

Youth



Hello everyone! Many of our YLRL members attended the Dayton Hamvention this past month, and it was an amazing opportunity to get to know some of the YLs that I've worked with online. During Hamvention, I was very excited to have the opportunity to meet many young YLs that I did not know previously, and get to know what other young YLs are doing in the hobby.

My newly licensed little sister and I also got the chance to connect with other young YLs during the Youth Social Hour at the YOTA (Youth On The Air) booth organized by Neil Rapp, WB9VPG,

and made friends with a few young YLs (Some of which will be attending the YOTA Region 2 camp in Cincinnati, Ohio, in a few weeks!) The youth social hour was a great way to meet and get to know other young operators, especially those who may not be on the air much yet. We also had the opportunity to watch a young lady present at Carole Perry's Youth Forum on Saturday, which was very exciting.

Additionally, my sister and I got the opportunity to improve our kit building and soldering skills at the Youth Tech booth. Neither of us had much experience with kit building, and the detailed instructions and guidance really helped us improve our skills. At first, it was definitely a challenge given my lack of soldering experience, however it became easier towards the end.



Finally, on Friday of Hamvention, the YLRL reunion forum was a very exciting part of the trip. I got the chance to meet many of the YLRL members that I have only worked with over email and Zoom during the past few months, and I was very glad to get the chance to get to know them in person.

VE News

Heather, VE3HQH, writes: Not much has been happening radio wise. I don't know where the time has gone.

As far as the YLRL Challenge for this year goes, I only have one more YL to talk to, to have all 15 YL's and their favourite vacation spots confirmed.

Now that our Spring has arrived I've spent a lot of time in the yard doing clean-up after the winter and getting my flower beds ready for some new annuals and mulch. I've planted yellow and green beans, radishes, beet and carrots in the veggie garden so far but I'll be putting more in in a few weeks time.

Our winter seemed very windy this year but we've had beautiful weather for the past 3 weeks but now we need rain. I've had orioles and humming birds at the feeders, which I love to watch. We're not planning to take part in field day this year but things could change by then. Take care and have a great Summer.

Heather VE3HQH

Ann, VE3HAI, writes that the Three Amigos (Sarla, VU2SWS, Suzanne, VE7IM, and Ann, VE3HAI) are getting together this summer in Toronto. They plan to visit Cobourg to see the "Fern" as the locals call it. "The Fern" is the statue of Fern Blodgett Sunde, Canada's first woman to earn the designation Second Class Wireless Operator. It is on the waterfront in Cobourg. Fern participated in 78 of the 96 sailings her ship made during the Second World War. So watch for a photo of the YLs joining Fern in an upcoming Harmonics. As luck would have it, Minnie's Echolink Net will be operating that week (July 27th) so anyone wanting to make a contact with Sarla, VU2SWS, check-in and wait for your opportunity. Minnie's Net is held on the London Repeater, VE3TTT, every second Wednesday at 21:30 UTC. CLARA Net frequencies and times are listed on the front page of each Clarion and on the CLARA website. Ann wishes everyone a happy and safe summer.

Suzanne, VE7IM, writes: Spring has been a long time in coming to the West Coast, this year. Lots of rain and cold weather and it has only just started to warm up. I might put my winter woollies away but not yet, just in case. We had some terribly cold, wet, windy days when all the fruit trees were in blossom. I do hope the bees were able to venture out to forage and pollinate the blossoms. My neighbour has lovely honey for sale every fall. Super for tuck-in gifts at Christmastime. Keeping my fingers crossed.

By the time you read this I will be in Toronto with Ann, VE3HAI, Sarla, VU2SWS and Roberta, VA3RMW. I have never been to Toronto and getting quite excited about it all. Finally, after waiting for more than 2 years to make our trip to see the statue honouring Fern Blodgett Sunde that it is actually going to happen !! We had all wanted to be at the unveiling but Covid had other plans for us.

Ann is hosting Sarla and myself and is a great organizer. She has organized all sorts of things such as transportation, lunches and even theatre tickets !! It is going to be such a grand time for the three of us (The Three Amigos)

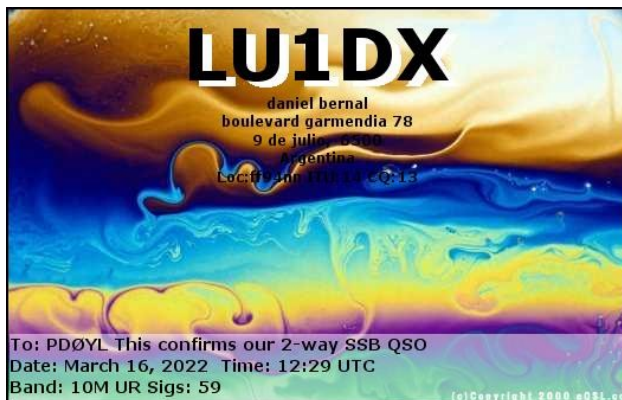
I hope everyone is keeping well and staying safe. Have a good summer...

33 Suzanne - VE7IM

DX News

Some results photos of EQSLs I received in the last couple of months

Monique, PD0YL



New England QSO Party 2022

-Leandra MacLennan, AF1R

2022 - Another New England QSO Party- NEQP. How should I participate this year?

Last year I was a mobile and split my roving up into two different loops. I was not able to find a place to stay in Northern New England, so I did a Saturday loop within eastern Massachusetts, stayed overnight at my house in the Boston suburbs, and did a long loop up to Vermont and back.

This year I wanted to activate the rare northern Vermont counties. The only way for me to do this was to stay overnight in Vermont. I knew I was not going to win in the mobile class, since I would only be working SSB, so my goal was to turn this into an adventure exploring the northern Vermont and have fun handing out QSOs from “rare” counties. I haven’t been to Montpelier in years, so NEQP became a good excuse to revisit a scenic town in central Vermont. My plan was to work the counties south of Montpelier on Saturday evening, and work the counties north of Montpelier during the day on Sunday.

I found a B&B in East Montpelier for Saturday night. My plan was set!

Two days before the weekend the weather forecast for the weekend looked great! I was doing this for fun, so poor weather would have minimized my radio operation.

Friday night I loaded up the car. My IC-7300 was placed on the passenger seat. My 40Ah Bio-Enno battery went into the car, along with my laptop. I put my 5 inch mag mount antenna base on top of the car. I’ve had success with hamsticks and Wolf River coils antennas, so the hamsticks, the large Wolf River Coil with pre-tuned taps for 80 and 40M, and the small Wolf River Coil small coil pre-tuned for 20M went into the antenna bag. I knew my laptop battery would not last a whole day, so in addition to the 120V charger, I brought a 12V DC charger. Two 100 inch extendable whips (in case I broke one), my RigExpert antenna analyzer (for tuning the Wolf River Coils) and a spare mag mount also went into the antenna bag.

Saturday was a beautiful sunny day. I finished packing my car Saturday morning, filled it up with gas and made a note of the mileage. I was on the road by 11:00 A.M. I wanted to get to Montpelier by mid-afternoon, check in to the B&B, have an early dinner and head out to work the counties south of Montpelier, then head back north and work Washington county, where Montpelier was located, on my way back to the B&B for the evening.

On my way to Vermont I stopped at the I-89 rest area just north of White River Junction. This rest area had been under construction for several years and now has a beautiful building. There was an extensive help desk filled with dozens of Vermont state highways maps. Not only did this map show the highways, it showed the county boundaries. This was going to be a great resource for the weekend. I took two maps.

I made it to Montpelier by 2:30 P.M., filled the car with gas and found the B&B high up on a hill at the end of a road. There was a spectacular view from the B&B. I checked in with the hostess and discovered my room was not ready at 3:00 P.M. Not a problem. I needed to head off to an early dinner. I took a minute to admire the view and head back down the hill to Montpelier to get a good dinner at Sarducci’s before heading out.

I had a nice dinner, but it ran late and by the time I got back into my car, it was 4:15 P.M., 15 minutes after the contest started. I needed another 45 minutes to get to my first stop in Orange county. I drove south on Route 12, and unknowing missed the right turn in Northfield

Center to stay on Route 12, and instead headed directly south on Route 65. A stroke of good luck! Five minutes on this road and off to my left I saw a sign indicating I was in Orange County. Time to find a spot to park and activate this county. Baker's Pond, a fishing area with a large parking lot appeared on my right. That was good enough. I parked the car and set up the 20M Wolf River coils antenna.

At 5:17 local time I started calling CQ on 20M SSB. There was no cell phone service to spot myself. This would be a common theme at most of my operating locations over the weekend. Anyone looking for me would just have to stumble over my CQ. I knew I would only be able to work 3 counties over the evening, and it was only 5 P.M. so I was not in a hurry to leave. That was a good thing because I only worked 12 stations in the first hour. I was torn between leaving or trying for more stations. Then all of a sudden I got a pileup. From 6:22 to 6:42 P.M. local time I got a pile up and worked another 15 stations. The pileup disappeared. OK, now time to move on to the next county.

I noticed on my Vermont highway map, a short section of Route 12 south, in East Granville, goes through Addison County. I headed north to find the turn I missed, then south on Route 12 to find East Granville to see if there was a safe space to pull over for an hour to operate. Yes, there was a large field on the right side of the road in East Granville. There was still lots of activity on 20M so I tried it first. I put the 20M coil and the 100 inch whip on the car.

7:23 P.M. I started operating from Addison County. No cell service, so let's see who can hear me. It took 4 minutes to make my first contact. Two minutes to make the next contact, 5 minutes for the following one, and a long 15 minutes to make the fourth contact. 20M was not working for me.

I realized East Granville was in a river valley with high ridges on the east and west. 20M was not getting down to my car. Last year I had good luck with 40M being able to get into a valley. Let's see if 40M can bail me out again this year. I swapped the 20M Wolf River coil for the 40M Wolf River coil. Two minutes to my first contact on 40, five minutes to the next one, then a pile-up! From 8:12 to 8:33 P.M. local time I worked them as fast I could log them! 30 contacts! And I got one more when I made my final CQ.

Washington County was next. My plan was to work from the parking lot at the Montpelier airport, the highest spot in Montpelier.

I drove by the Montpelier airport parking lot twice before I realized the tiny building next to the runway was the terminal building. No one else was there and there was plenty of parking.

At 9:42 P.M. local time I got on 40M. There was cell service here, but it was late and I just wanted to get on the air. It took about 3 minutes to make each contact for the first five contacts, and 5 minutes to make the 6th contact. I changed to the 80M tap on the antenna coil. I made another 7 contacts on 80M in the next 16 minutes. Before leaving I thought I'd try 20M, and made 4 more contacts. I finished at 11:15 P.M. Back to the B&B to get some sleep for the long drive up to the northern Vermont counties on Sunday.

Sunday morning I got up at 8:00 A.M. but after my breakfast, a long talk with the inn keepers and admiring the view, I didn't leave until 10:30 A.M. My destination was Hardwick, which I noticed was near a junction of Lamoille, Orleans and Caledonia Counties.

From Hardwick I headed west to the Lamoille County line. Just over the county line I found the Fuller Covered Railroad Bridge park and pulled in. This would be my Lamoille location. The park was not in a good physical location. It was below the surrounding terrain and below the nearby road. It was 11:45 A.M., so I tried 20M first. It took 5 minutes to make the first contact, 3 minutes for the next one and 10 minutes for the next one. 20M was not working. So I tried

40M and hoped it would bail me out like it did for me in Addison County the night before. It took a lot of calling to make the first contact, then made 6 more contacts in the next 12 minutes. Time to give up. It was 12:40 P.M.

I headed back east to Hardwick, in Caledonia County and found a parking area at a hiking trail. It was mid-day, but I tried 40M again. I made my first contact here at 12:53, then two more quick contacts, but it took 14 minutes to make the next contact. I tried 20M again. I didn't do much better. It took 5 minutes to make the first contact, 7 minutes for the next and 14 minutes for the next contact. It was 1:26 P.M.

Greenboro, in Orleans county, was 7 miles north. I headed up there over an unnumbered road that went up and down 5 hills, just like a roller coaster, over the 7 miles. I found a parking spot at a recreation field just south of Greensboro.

At 2:00 P.M. I started with 20M. 3 minutes for my first contact, 4 minutes for the next, then a huge pileup. Everyone wanted this rare county, one of the three northernmost counties in Vermont! I worked them as fast I could from 2:15 to 2:29 P.M. Then, before leaving I tried 40M. One call and I got a pileup on 40, too. 40 contacts in 50 minutes. My best county count so far. 3:00 P.M.– on to the next county.

Essex County is another of the northernmost counties in Vermont. But, to get there I had to drive across the width of the Caledonia County. I headed to Concord and Concord Center. The only safe place to pull off the road and park was on a turn-off just south of Concord Center.

I decided to start with 40M. At 4:52 P.M. I made my first contact. Just like the other locations it took about 10 minutes to make the first two contacts before I got another pile-up: 22 contacts in 15 minutes. I switched over to 20M to get another 6 contacts in 12 minutes.

It was 5:40 P.M., less than 2 ½ hours left in the contest. Time to hustle down I-89 to Windham county.

At 7:00 P.M. I made it to the town of Norwich, in Windsor, Vermont. I made my first contact at 7:04 P.M. on 40M and then 3 more. I moved to 20M to make two more contacts and at 7:25 P.M. left to move on to my last county. 35 minutes remaining in the contest.

I remembered from last year, the Lebanon airport in Lebanon, NH, Grafton County, was high up on a hill. I got there at 7:45 P.M. 15 minutes remaining in the contest. There were no clear SSB frequencies on 40M. I couldn't call CQ. The band was busy with last minute NEQP activity. But I was able to call 6 stations on 40M before the end of the contest at 8 P.M.

My NEQP road trip by the numbers:

- 9 counties total
 - 8 counties in Vermont
 - 1 county in New Hampshire
- 185 SSB contacts
 - 8 on 80M
 - 101 on 40M
 - 76 on 20M
- 35 states
- 16 DX contacts from 5 countries
- 32 counties in New England
- 571 miles of driving
- 14 hours driving time
- 31 amp/hours used from my 40 amp/hour Bioenno battery powering the radio

Notes

Rules for All YLRL Contests

1. Check to make certain you are sending logs to the CURRENT Vice-President.
 2. Logs must be postmarked no later than 30 days after each contest ends.
 3. Scoring:
 4. Phone and CW contests will be scored separately. Separate logs must be submitted for each contest.
 5. One point is earned for each different station worked on each band. The same station may be worked on different bands. In the YL-OM contest only, YLs count OM's and OM's count YLs.
 6. Multiplier will be the ARRL sections and/or DX countries, whichever is appropriate. Canadian provinces are counted individually. Multipliers are used only once on all bands when figuring the score.
 7. Contestants running 5W or less will be considered QRP and earn a power factor of 3. Contestants running 5W to 100W will be considered low power and earn a power factor of 1.5. Contestants running over 100W will be high power. If no transmitter power is listed on logs, no power factor will be given.
- Total scored claimed is calculated by multiplying the points times the multiplier times the power factor.

Logs

1. All logs must show the operator's ARRL section, VE province, or country to qualify for awards. Where applicable, logs must state whether or not the operator is a member of YLRL. For each QSO, logs must also state the power output. If you have 200 or more QSOs, submit a separate log for each band and submit a "dupe" sheet.
 2. Please type or print. If you print a log from a logging program or photocopy your log book, be sure they include all the required information.
 3. Logs must be signed and show claimed score. No logs will be returned.
- Entries in log must also show time, band, date and transmitter power.

Exchange

Station worked, QSO number given and received, RS(T) given and received, and section/province/country.

Entry categories

Single operator and YL clubs/groups.