

June
2019

Field Day Issue



www.marcwireless.org

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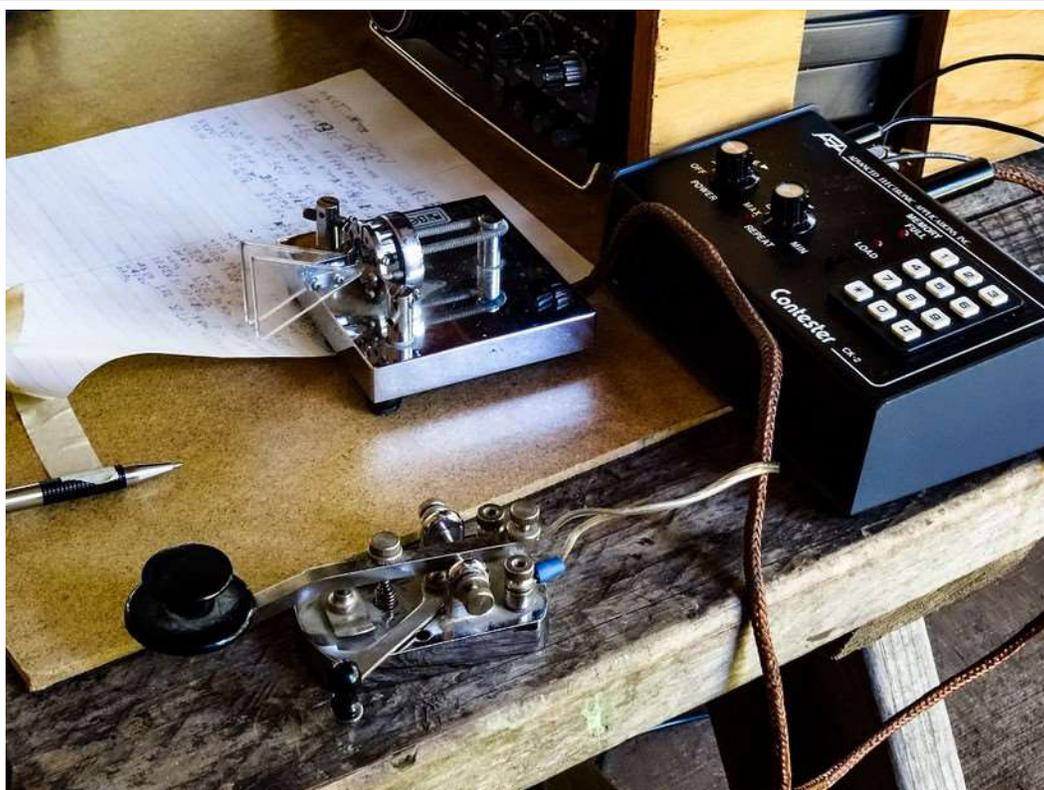
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Field Day 2019, June 22-23

Each year the ARRL Field Day event occurs on the last full weekend in June and that is less than two weeks away. Once again we will be operating under the callsign W7G, as a class 4 Alpha Station in the Oregon Section. The GOTA station operates as W7YAM. We are also lucky to once again to be able to operate from Camp Smith NW of McMinnville. Camp Smith is located at 16800 Willis Rd, and there will be signs provided by MARC put up specially for Field Day. These are in addition to the permanent Camp Smith wooden signs. Directions and a map to Camp Smith are located on pages 5 & 6 of this newsletter. The Saturday Pot Luck Dinner is at 6:00 pm. Hamburgers and hot dogs will be provide by the club. Sign up for side dishes, desserts and other items at the June General MARC meeting or email W7LAW. While Field Day is strictly not a contest, there are contest like rules that are to be followed to gain the scoring that is posted, generally in the December issue of QST.

The objective is to simply make as many contacts as possible in the 24 hour period with each station providing a receiving an exchange. This starts for us here on the West Coast at 11:00 am Saturday June 22nd. We are allowed 24 hours prior to the start of the event the time to install the radio infrastructure we initially plan to use. We will be taking advantage of this and locating our antenna sites and then placing them starting at 11:00 am on Friday June 21st. The gates should be unlocked by 11:00 am on Friday.

We are fortunate enough to have Dale Hunt (WB6BYU) to join in with us again this year, and he is planning to bring a variety of wire antennas to add to our own portable antenna placements. As on other years our hope is to have a selection of antennas available, from wire beams, multi-band doublets, Delta Loops, a Horizontal Loop, and Dipoles. On Friday during antenna setup, we hope to have a tennis ball cannon for getting more height in the trees. With proper antenna placement and a variety of antenna types, this should allow for some experimentation to both see what works and provide some practical experience and comparisons on antenna layouts.

With this experimentation in mind, if you have an portable antenna type you have been experimenting with, and are planning on joining us for Field day, please bring it. We will find a spot for you to erect it. If you are bringing you radio, please bring a copy or electronic copy of the radio's documentation, if you as we will be looking into transceiver settings for improving the reception in relationship to a crowded transmitter environment and cover proper microphone usage techniques and some of the radio settings to ensure we get the maximum benefit from the transceiver.

Station Operation

In previous years, there has been some difficulty with reading the log sheets for the pertinent information needed to report our results to ARRL for scoring. Also there were some observances of too many stations simultaneously operating than allowed for our 4A designation. It was also noticed that several may have not identified properly when transmitting. With these issues in mind, and the hopes of having a selection of antennas and maybe transceivers, we will adding some controls around station operation. With our 4A designation we are allowed to have no more than four transmitting stations operating as W7G on SSB/CW at any one time. This does not include the GOTA station or a VHF/UHF station. The Field Day Rules state the each station must be using a different Band/Mode combination than any other of the three. To make it clear what stations are operational and what Band/Mode is being used, there will be six tokens that can be flagged with the band and mode in use. To operate, the station must have a token and band/mode flag displayed. Two will be reserved for the GOTA station and the VHF/UHF station, as these are extra stations that we are allowed to operate that don't count in our operation designation. The remaining four tokens are for general SSB/CW use.

An accompanying logging folder is associated with each band and mode. There are 11 band/mode/logging items. One each for the CW (All Bands) station, VHF/UHF (28 MHz and higher) station and the GOTA station (All Bands). The remaining eight are the general HF SSB stations, two each for 80, 40, 20, and 15 MHz, one for Phone, one for Digital. The logging file folder has tabbed dividers containing scratch paper, MARC log sheets, and two tabs for the Dupe Sheets.

Dupe Sheets are paper document based process for determining whether the station being worked is a duplicate of one that has already been worked within that band and mode, maybe by another operator. The MARC Dupe Sheets consist of four sheets of paper, there are places to enter the call sign of the worked stations, organized by the calls region number and first character of the suffix. The Dupe Sheet pages are organized in the divided file folder by call number and suffix with the region number across the top and suffix leading character along the sides. Pages 1 and 2 have numbers 1-5 with suffixes A-Z and pages 3 and 4 have numbers 6-0 with suffixes A-Z.

Historically we receive many region 7 contacts, so this region number has twice the space for entries. The logging sheet contains columns for tracking the call sign of the Control Operator, working mode, Date, Time of contact, the station worked and the exchange. The time logged only needs to be to the closest 5 minute. If you have multiple contacts within the 5 minute window, just draw a line from the first contact to the last. According to the ARRL rules for entries of the reporting for scoring, a complete submission entry must consist of an Summary Entry on the ARRL Field Day Web Submission page and the supporting information. The supporting information consists of a list of stations worked by band/mode during the field day period. This list is required to be sorted by callsign, Band, and mode. While each operator can use their own process for how they document their contacts, in previous years, the Phone and GOTA stations had scribes that assisted the radio operator in logging the contact. After a contact is made the scribe can update the log sheet. If you are using the hunt and pounce mode of making contacts. Once you hear a signal and determine the callsign, look at the log sheet for that band and mode to ensure that that station is not a dupe. Some other operator may have worked that station earlier. There will also be some copies of the ARRL Worked All States map. This map has each of the sections ID's that are used as part of the exchange information located by the ID's geographic location. This can be used for each operator to get an idea of their contacts distance and location. We will have a larger colored map on display that we hope each operator will update when they check-in their token after their period of use. So hopefully every hour we will have an update of our total contacts and how they geographically range from each other for all to see.

Radio Operator Expectations

- Our Field Day callsign will be **W7G**, with an Exchange of **4 A Oregon**.
- Stay in band, remember that SSB Phone band width is 3 KHz.
 - For Upper Side Band (USB) do not transmit above the upper band limit minus 3 KHz.
 - For Lower Side Band (LSB) do not transmit below the lower band limit plus 3 KHz.
- Remember to identify.
 - **We are using a special event call sign, W7G, this requires us to identify with the club call once an hour.** Using the McMinnville Amateur Radio Club call (W7RXJ) this will look like:
 - Phone: Double U Seven Gee Slash Double U Seven Are Ex Jay
 - Digital: W7G/W7RXJ
 - Morse: • - - - - • • • - - • - • - - • • - - - • • • - - • • - - -
- Log your contacts
 - Verify that there are no duplicates. A scribe for assistance may help if you are fortunate enough to make many contacts.
 - A duplicate is a contact made on both the same band and same mode. Two contacts made with the same call sign on the same band but different modes are not duplicates
 - Validate you have the correct section identifier abbreviation logged. Orange County is ORG not OR, that is for Oregon.
 - There should be a list of a section identifier names and their abbreviation in the logging folder. Contact W7OWO if you don't have one in your packet, he'll have extras.
 - There is also a US map with the sections in each state.
- During the peak usage periods after using a station for an hour ask if anyone else is interested in using that station, we want to give as many people a chance to make contacts. Besides it good to get up and walk around once an hour.
- Don't be timid, if you want assistance or help and be walked through how to do try to make contacts, just ask. All the experienced MARC members at Field Day are willing to assist, or go and watch the GOTA station in action and learn from example, last year they had a 4 year old making contacts.
- Ask Questions! This should be a learning experience.

Misc Rules

- A person may not contact for QSO credit any station from which they also participate.
- A transmitter/receiver/transceiver used to contact one or more Field Day stations may not subsequently be used under any other callsign to participate in Field Day.
- Phone, CW and Digital (non-CW) modes on a band are considered as separate bands. A station may be worked only once per band under this rule.
- All voice contacts are equivalent.
- All non-CW digital contacts are equivalent.
- Cross-band contacts are not permitted (Satellite QSOs cross-band contacts are exempted).
- The use of more than one transmitter at the same time on a single band-mode is prohibited. Exception: a dedicated GOTA station
- No repeater contacts are allowed.
- Batteries may be charged while in use. Except for Class D stations, the batteries must be charged from a power source other than commercial power mains. To claim the power multiplier of five, the batteries must be charged from something other than a motor driven generator or commercial mains.
- All stations for a single entry must be operated under one callsign, except when a dedicated GOTA, it uses a single, separate callsign.

Scoring

Scores are based on the total number of QSO points times the power multiplier corresponding to the highest power level under which any contact was made during the Field Day period plus the bonus points.

- QSO Points
 - Phone contacts count one point each.
 - CW contacts count two points each.
 - Digital contacts count two points each.
- Power multipliers:
 - We will be making all contacts output power up to 150 Watts or less, the power multiplier is 2 (two).

There are bonus points that also can be gathered these can include:

- A) Emergency Power - 400 points if all our transmitting equipment at the site operates only from a power source completely independent of the commercial power mains.
- B) Satellite QSO (just 1 contact counts) – 100 points;
- C) Copying special Field D bulletin on W1AW (must be copied over the air) – 100 points;
- D) Demo of non-traditional modes (APRS, ATV, SSTV, etc.) – 100 points each, max. 300 points;
- E) Site visit by elected government official – 100 points;
- F) Site visit by served agency rep. – 100 points Bonus Points;
- G) Web submission of FD Entry – 50 points;
- H) Youth participation: 20 points per youth (18 or younger) who completes at least one contact (max. 100 points). This is the reason we need to have a sign in of all folks who participate.
- I) Eligible groups will receive a 100-point bonus for having a formal educational component associated with Field Day.
- J) Public information table – 100 points
- K) Alternate Power – 100 points if a station makes 5 contacts and is powered by natural source, like a battery that has been charged by solar.

- L) Safety Officer - 100 points The Safety Officer must verify that all safety concerns on the Safety Check List (found in the ARRL Field Day Packet) have been adequately met. A statement verifying the completion of the Safety Check List must be included in the supporting documentation to ARRL.
- M) Field Day on Social Media – 100 Points. When posting content from Field Day, use hashtag #ARRLFD on all social media.

Attempts to meet the requirements for options A, B, D, E, G, H, J, L, M are planned. This should give us the potential of 1170 bonus points. W7OWO will need some form of detailed documentation that each activity was performed to have these points accredited. Just saying we did it is insufficient.

Directions To Camp Smith

Instructions from Google Maps starting at the intersection of NE Baker St and NW Baker Creek Rd are as follows:

- Head west on NW Baker Creek Rd and continue for 2.6 miles.
- Turn right onto NW Willis Rd
- After 0.5 mile keep right to stay on NW Willis Rd.
- After 0.1 mile keep left to stay on NW Willis Rd.
- Continue for 3.2 miles and you should come to 16800 NW Willis Rd on your right.

There will be a gate you will need to open to continue North towards Camp Smith.

Close the Gate Behind You.

A map to Camp Smith is provided on the next page:

Knock on wood, the long range forecast shows mostly clear skies and upper 70's low 80's temperatures for Yamhill County around that time frame.

Other Items

- For those planning on staying the full 24 hour operational period, you may want to bring lunches for Saturday and Sunday, breakfast for Sunday Morning, and any snacks you wish. There is well water within the lodge. Other drinks will only be provided for the Saturday Evening Potluck, so you may want to bring other beverages with you. Please no alcoholic beverages.
- There are bunks in the main lodge in the main lodge with foam pads. Bring a sleeping bag and pillow if you want to get some sleep over night.
- The restroom facilities are pit toilets. While there is an attempt to keep toilet paper and handcleaner available, you may want to bring your own
- There is also lots of face to face communication occurring. If you plan on staying awhile, bring a lawn chair and enjoy the comradely.
- Benches are available in the lodge when operating a station, if you desire more sitting comfort, you may want to bring your own folding chair.
- Dress appropriately for the weather and the rural location. Hat, sunglasses, sunscreen, jacket for the evening, maybe even bug repellent.

Again, antenna placement will begin Friday, June 21st at 11:00 am. All are welcome to join. It is a good learning experience and practice in placement of portable antennas.

Directions to Camp Smith

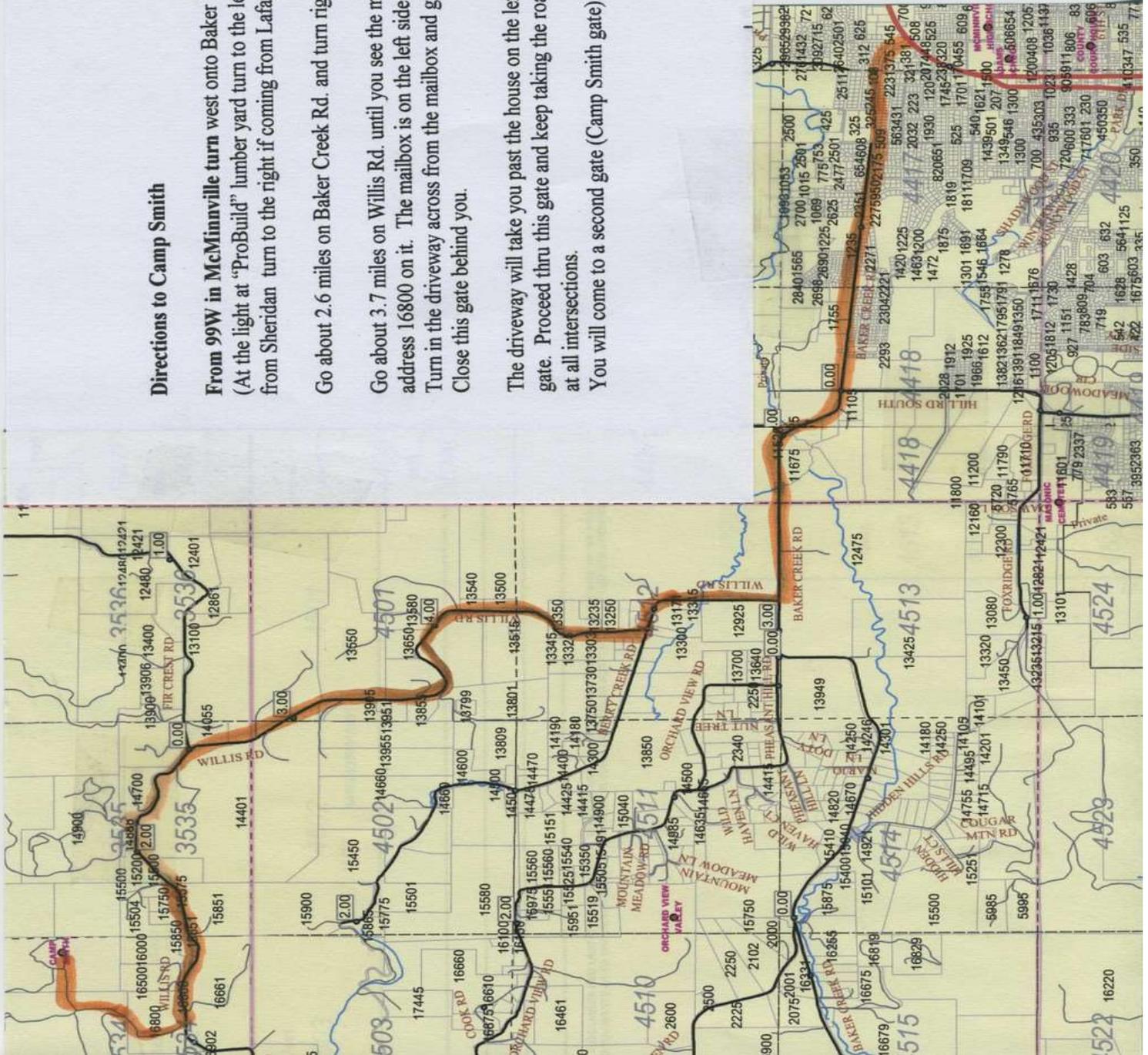
From 99W in McMinnville turn west onto Baker Creek Rd. (At the light at "ProBuild" lumber yard turn to the left if coming from Sheridan turn to the right if coming from Lafayette).

Go about 2.6 miles on Baker Creek Rd. and turn right on Willis Rd.

Go about 3.7 miles on Willis Rd. until you see the mailbox with the address 16800 on it. The mailbox is on the left side of the road. Turn in the driveway across from the mailbox and go thru the gate. Close this gate behind you.

The driveway will take you past the house on the left to the next gate. Proceed thru this gate and keep taking the roads to the right at all intersections.

You will come to a second gate (Camp Smith gate).



Field Day Station Check List

It is highly recommended that those who have a go-kit or portable station kit with an HF radio bring it to Field Day and give it a work out. This is an excellent chance to verify your kit has what it needs to perform. The following checklist is an attempt to provide a list of what items are needed for a station for Field Day. Not all items may be needed.

- Rig (covering bands and modes that station will be using - test for phase noise and overload)
 - DC power cable for rig
 - DC power supply
 - Battery for power backup, and way to connect to radio and power supply (Optional)
- Instructions for Rig
 - Particularly for:
 - ALC and how to set for individual voices
 - AGC
 - DPS band pass filtering
- Sound/Data inputs for mode station will support
 - Microphone for phone
 - Keyer and paddles for CW
 - Laptop, sound card interface, cables for digital
- AC outlet strip
- 15' to 25' extension cord (local distribution)
- Headphones/splitter (so operator and logger can both listen)
- Tuner and power/SWR meter, combo or separate items.
- Band Pass Filters (Optional)
- Coax patch cables
- antenna switch
- coax labels
- Saran Wrap to waterproof outside coax connections if wet weather is expected
- AC noise filter/ Power Conditioner

Suggested Accessories

- Toolbox
- Multimeter
- Dummy load
- Coax Connectors/Adapters
- Task Lighting
- Pens, Pencils, scratch pad
- Seat pads/comfortable chair

If you are bringing a portable antenna for testing, bring the coax and items needed to put it up.

YCARES Emergency Frequency List

The list of frequencies provided here are published to all Hams to be informed of where communications operations will occur within Yamhill County during emergency operations. All ARES members should have the repeaters and simplex frequencies programmed into their primary hand held VHF/UHF radio. MARC members are encouraged as well. *Simplex Frequencies can change or added due to conditions and needs. Know how to add and change simplex frequencies in VFO Mode on your radio!*

Priority	Mode	Frequency PL Tone	Offset	Call
Primary	Repeater	441.800 MHz 114.8 Hz	+5.0 MHz	W7YAM
Secondary	Repeater	146.640 MHz 100.0 Hz	-0.6 MHz	W7RXJ
Tertiary	Repeater	442.550 MHz 100.0 Hz	+5.0 MHz	KOINK
Primary	Simplex	146.400 MHz	VHF	
Secondary	Simplex	147.520 MHz	VHF	
Primary	Simplex	441.575 MHz	UHF	
Secondary	Simplex	441.600 MHz	UHF	
Eola Hills	WinLink	144.920 MHz	VHF	W7YAM-10
EOC	WinLink	144.960 MHz	VHF	W7YAM-11
Eola Hills	WinLink	441.050 MHz	UHF	W7YAM-12
Newberg Dundee	Winlink	145.080	VHF	W7OWO- 10

Local Nets

MARC Net			YCARES Net			
Monday June 10 th	7:00 pm	146.640 - PL100	Monday June 10 th	7:30 pm	441.800-PL114.8	Katie KI7ZLL
Monday June 17 th	7:00 pm	146.640 - PL100	Monday June 17 th	7:30 pm	441.800-PL114.8	TBD
Monday June 24 th	7:00 pm	146.640 - PL100	Monday June 24 th	7:30 pm	441.800-PL114.8	Kurt W9ERT
Monday July 1 st	7:00 pm	146.640 - PL100	Monday July 1 st	7:30 pm	441.800-PL114.8	TBD
Monday July 8 th	7:00 pm	146.640 - PL100	Monday July 8 th	7:30 pm	146.640-PL100	TBD
Monday July 15 th	7:00 pm	146.640 - PL100	Monday July 15 th	7:00 pm	441.800-PL114.8	TBD
Monday July 22 nd	7:00 pm	146.640 - PL100	Monday July 22 nd	7:00 pm	441.800-PL114.8	TBD
Yamhill County Weather Spotter Net			CERT Net			
Sunday June 16 th	6:00 pm	146.640 - PL100	Sunday June 16 th	7:00 pm	146.640 - PL100	

If you have a newsworthy small point of interest you would like presented in the MARC newsletter. Here is the place for them. Just send an email to me (Brian, W7OWO) my email address shown in the Club Officers call-out. Entries will be approved by the board.

*Special Services
Club*

About Us

**The McMinnville Amateur Radio Club
PO Box 891
McMinnville, Oregon 97128**

The McMinnville Amateur Radio Club (MARC) was founded in mid- 1981 by a group of Yamhill County area amateur radio operators who wished to share their common interests. An association was formed of men and women devoted to probing all facets of amateur radio.

June 1st Treasurer’s Report

Account	Funds
Repeater Maintenance & Project Account	\$5,198.90
Education Fund	\$230.63
MARC Business Account	\$2,267.30
Total:	\$7,696.83

2019 Club Officers

President	Anthony Perez, KI7ZBQ	anthony.perez@marcwireless.org
Vice President	Victor Viola, N7WOF	victor.viola@marcwireless.org
Secretary	Jayne Wolf, KI7MZP	jayne.wolf@marcwireless.org
Treasurer	Jane Beals, W7LAW	jane.beals@marcwireless.org
Board Member	Katie Perez, KI7ZLL	katie.perez@marcwireless.org
Board Member	Fred Rodley, N0NNO	fred.rodley@marcwireless.org
Board Member	Brian Wright, W7OWO	brian.wright@marcwireless.org

Local Open Repeaters

**W7RXJ 146.640- PL tone 100 Hz
W7YAM 441.800+ PL tone 114.8 Hz
K0INK 442.550+ PL tone 100.0 Hz**

Repeaters

Events

Weekly MARC Net,
Monday at 7PM on
146.640- PL 100

Monthly YCERT Net,
3rd Sunday at 7PM on
146.640- PL 100

Monthly MARC Board
Meeting, 1st Thursday
of every month at
China House in
McMinnville, next to
Bi-Mart. Starts at 7PM

Monthly MARC Club
Meeting, 2nd Thursday
of every month, starts
7PM at the OSU
Extension Service
Office 2050 NE
Lafayette Ave,
McMinnville

YCARES Monthly
Meeting, 4th Thursday
of each month. Meet at
the Lafayette
Community Center.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
June 9	10 Club Net YCARES Net	11	12	13 General Club Meeting	14	15 VE Testing – Even Testers
16 WX Net CERT Net	17 Club Net YCARES Net	18	19	20	21 Field Day Setup	22 Field Day Starts
23 Field Day Ends	24 Club Net YCARES Net	25	26	27 YCARES Meeting	28	29
30	July 1 Club Net YCARES Net	2	3 Board Meeting	4	5	6
7	8 Club Net YCARES Net	9	10	11 General Club Meeting	12	13
14	15 Club Net YCARES Net	16	17	18	19	20 VE Testing – Odd Testers

Significant Event Items:

- June 13th General Club Meeting
 - OSU Extension Service Office 2050 NE Lafayette Ave, McMinnville
 - Field Day Instructions and Discussion
 - Host: Sofia - KI7NMD
- June 15th, VE Testing, 9:30 AM Even Tester Grop
 - Lafayette Community Center, 133 Adams, Lafayette
- June 21nd, Field Day Set-up 10:0 AM
 - Camp Smith, 16800 Willis Rd (see map on page 5)
- June 22nd, Field Day Starts 11:00 AM
 - Camp Smith, 16800 Willis Rd (see map on page 5)
- June 23rd, Field Day Ends 11:00 AM
 - Assistance in take down will be greatly appreciated!
 - Camp Smith, 16800 Willis Rd (see map on page 5)
- June 27th, YCARES Meeting 7:00 PM
 - Lafayette Community Center, 133 Adams, Lafayette
- July 3rd, Board Meeting, 7:00 PM, Note, due to the 4th of July Board meeting will be held on Wednesday
 - China House Resteraunt, McMinnville
- July 11th General Club Meeting
 - OSU Extension Service Office 2050 NE Lafayette Ave, McMinnville
 - Host: Brian W7OWO

*Legal Disclaimer: The information contained in this document is for general guidance on matters of interest only.

**MARC VE
Exam Session
Results**

New Technicians

Linda Hutchison
Timothy Landauer
Reginald Boyle
Leo French-Pinzon
Terry Traver

New Generals

Sean Boyle
Garrick Whitcher

Local VE Testing Locations

McMinnville Amateur Radio Club – VE testing via ARRL. Lafayette Community Center located at 133 Adams in Lafayette, Oregon. Monthly ARRL VE exams on the third Saturday every month, testing begins at 9:30AM. Contact Jeff Monahan mactorg@gmail.com for more information.

McMinnville W5YI VE Team - Contact Mark Altus, AC7ZQ at 503-843-3580 for more Information.

Portland Amateur Radio Group offers twice monthly testing sessions on the 2nd and 4th Sunday evening's beginning at 8:00pm at Roundtable Pizza on Barbur Blvd at Capitol Hill Hwy. East of Tigard. Contact Duane Anderson, NA3VY at 971-235-6673 or email duane@na3vy.us for more information.

Oregon Tualatin Valley ARC – VE Exam sessions are held on the first Saturday of each month except June at 1:00 PM at the Sunset Presbyterian Church 14986 NW Cornell Rd, Portland, OR 97229.

Hoodview Amateur Radio Club offers one session at 9:00AM on the 3rd Saturday morning of every odd numbered month at Mt Hood Community College in Gresham. Arrive early as the doors close at 9:00am to Room HF1, the Horticulture Fisheries Bldg. Map available at club website www.wb7giw.org.

McMinnville Amateur Radio Club 2019 Membership Application

(A completed application form must be included with yearly dues)

Please print:

Name: _____ Call Sign: _____ Class: T G A E

E-mail address (required): _____@_____

Address: _____

City: _____ State: _____ Zip: _____ Phone #: _____ Home / Mobile
(circle one)

Date first licensed: _____ / _____ Birthday: _____ / _____ ARRL Member? Y / N
month year month day

Renewal? Yes / No New? Y / N (New to MARC? You will receive a MARC Membership Badge!)

Annual Club Membership - **\$20.00** per person/family at the same address.....**\$ 20.00**

Your MARC membership begins from date of signup or renewal to December 31 of the same calendar year.

Additional Voluntary donation – for repeater support and club projects.....**\$** ____.

Total \$ ____.

Additional Family Members:

(**ALL** family members must reside at the same address.)

Name: _____ Call sign: _____ Birthday: ____ / ____ Class: T G A E

E-mail address: _____@_____ ARRL? Y / N Renewal Y / N

Name: _____ Call sign: _____ Birthday: ____ / ____ Class: T G A E

E-mail address: _____@_____ ARRL? Y / N Renewal Y / N

Please include any additional family members on back.

Signature of Applicant: _____ Date: _____

Make check payable to “MARC”. Give to Club Officer or mail application to:

McMinnville Amateur Radio Club

PO Box 891

McMinnville, OR 97128

Club meetings are the **second** Thursday of each month at 7PM:

OSU Extension Service Office

2050 NE Lafayette Ave

McMinnville, OR 97128

For Office Use Only:

Processed by Treasurer: _____ Secretary: _____

Date Received: _____

Cash/Check #: _____

Amount: _____

Receipt: _____