

Portage County Amateur Radio Service, Inc. - PCARS - Newsletter
The RADIOGRAM - Annual Index of Articles - Volume 14 - 2019



| Title | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 13 Colonies Special Event Stations | | | | | | | 45 | | | | | |
| 3 rd Annual AM Rally | 26 | | | | | | | | | | | |
| A Radio on Your Belt - 1930's Style | | | | | | | | | | 38 | | |
| About 1x1 Special Event Call Signs | | | | | | | | | 11 | | | |
| Amateur Radio Applications Piling Up | | 14 | | | | | | | | | | |
| Announcing the World Wide Digi Contest | | | | | | | 39 | | | | | |
| April Meeting | | | | 7 | | | | | | | | |
| ARRL CEO Wants to "Start a Conversation" | | 12 | | | | | | | | | | |
| ARRL Code Proficiency Award - Updated | | | | | | | | 40 | | | | |
| ARRL Knight Distinguished Service Award | | | | | | | | | | | | 8 |
| ARRL National Convention Programs | | | | 16 | | | | | | | | |
| ARRL Rolls Back Outgoing QSL Fees | | | | | 8 | | | | | | | |
| Automated Contacts Banned | | | | | | | | | 16 | | | |
| A-Z Award | | | | 29 | | | | | | | | |
| Bay 3 Clean & Paint & Refurbish | | | | | | | | | | 7 | | |
| BNC Connector & How It Got That Way | | | | | 40 | | | | | | | |
| Canadian National Parks On The Air | 12 | | | | | | | | | | | |
| Carole Perry - Visit PCARS | 10 | 9 | 12 | 12 | | | | | | | | |
| Carole Perry Educator of the Year Award | | | | | | | | | | 15 | | |
| Carrington Event - 1859 | | 16 | | | | | | | 25 | | | |
| Case Western Reserve College Club Visit | | | | | | | | | | | | 14 |
| Center of Hope Donations, 2019 | | | | | | | | | 44 | 11 | 26 | |
| Charles Shultz Philosophy | 38 | | | | | | | | | | | |
| Charlie the Tuner's HF High-Lites | 20 | 25 | 26 | 30 | 26 | 25 | 31 | 32 | 34 | 32 | 40 | 24 |
| Check Your Ham License | | 33 | | | | | | | | | | |
| Club Site Caution | | | | | | | | 5 | | | | |
| Coffee Cup - Limited Edition | | | | | | 14 | 15 | 9 | 10 | 9 | 24 | 11 |
| Congratulations to the Newly Elected Officers | 3 | | | | | | | | | | | 9 |
| Constitution & By-Laws, Proposed Changes | | 21 | | | | | | | | | | |
| Contest Calendar | 25 | 31 | 32 | 37 | 34 | 28 | 20 | 14 | 14 | 14 | 28 | 13 |
| Conversation - Try a Different Verb | | | | | | 17 | | | | | | |
| CQ 160 Meter Contest | | | | 38 | | | | | | | | |
| CTU 2019 Presentations Available | | | | | | | 13 | | | | | |
| CubeSat Simulator & AMSAT Work | | | | | | 23 | | | | | | |
| Cycle 25 is On Its Way | 8 | | | | | | | | | | | |
| Daylight Savings Time Starts March 10th | | | 24 | | | | | | | | | |
| DBs Made Easy | | | | 41 | | | | | | | | |
| Dead Electrical Dude - Andre M. Ampere | 11 | | | | | | | | | | | |
| Dead Electrical Dude - Andre Maria Ampere | | 10 | | | | | | | | | | |
| Dead Electrical Dude - Georg Simon Ohm | | | 14 | | | | | | | | | |
| Dead Electrical Dude - James C. Maxwell | | | | | | 11 | | | | | | |
| Deriving Equations for NE555 Timing | | | | | 30 | | | | | | | |
| Don't Mess with Old Folks | | | | | | | | | | 47 | | |
| Down & Up - 40 Meter Antenna Replaced | | | | | | | | | | 26 | | |
| Drop a Card to a PCARS Member | | | | | | | | | 18 | | | |
| DX Calendar | | | | | | 32 | 21 | | | | | |
| DX Engineering Winter Sale Day | 34 | | | | | | | | | | | |
| Extra Class Pool to Change in 2020 | | | | | | | | | | | 32 | |
| Facebook Re-Post | | | | | | 31 | | | | | | |
| Father Maximilian Kolbe | | 32 | | | | | | | | | | |
| FCC Action on ID Petition | | | | | | | | | | | 47 | |
| FCC to Reinstate Morse Code Test | | | | 10 | | | | | | | | |
| Field Day - CW Station | | | | 39 | 39 | | 12 | | | | | |
| Field Day - Flex Station | | | 33 | 39 | 38 | 8 | 11 | | | | | |
| Field Day - Gearing Up | | | | 40 | | | | | | | | |
| Field Day - Location Map | | | | | 37 | 10 | | | | | | |

Portage County Amateur Radio Service, Inc. - PCARS - Newsletter
The RADIOGRAM - Annual Index of Articles - Volume 14 - 2019



| Title | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|-----|------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| Field Day - Some Notes About | 25 | 29 | 33 | | 36 | | | | | | | |
| Field Day 2006-2019 | | | | | | 7 | 10 | | | | | |
| Field Day 2019 | | | | | | 7 | 6 | | | | | |
| Field Day 2019 - 20 Meter Station | | | | | | 9 | | | | | | |
| Field Day 2019 - 40 Meter Station | | | | | | 9 | | | | | | |
| Field Day 2019 - All Submitted to ARRL | | | | | | | | 6 | | | | |
| Field Day 2019 - Loggers/Operators | | | | | | | 7 | | | | | |
| Field Day 2019 - Results | | | | | | | 8 | | | | | 23 |
| Field Day Entries nearly 3,100 | | | | | | | | 7 | | | | |
| Fine Print | 40 | 44 | 50 | 56 | 52 | 47 | 48 | 52 | 54 | 50 | 57 | 42 |
| First Year of Issue - Ham License Plates | | | | | | | | | | 20 | | |
| Fishing Pole Dual-Band Slim Jim Antenna | | | | | | | | | | 24 | | |
| Flex Net | | | | 28 | 25 | 24 | 29 | 31 | 33 | 31 | 39 | |
| Four State QRP Group AM 75/80 meter Kit | | | | | | | | | | | 38 | |
| Fox Hunting | | | | | | | | | | 29 | | 10 |
| Free Exam Review on ARRL Web Site | | | | | | 12 | | | | | 36 | 18 |
| From the Ohio Section Manager | | | | | | | | | | 27 | | |
| FT8 Crowned King of Modes | | | 17 | | | | | | | | | |
| Funmeister | 28 | | | | | | | | | | | |
| FYAO - Freeze Your Acorns Off | 36 | 7/41 | 7 | | | | | | | | | 37 |
| General Class Course Flier | | | | | | | | | | | | 39 |
| General Class Pool | 14 | 13 | | | | | | | | | | |
| Getting Loaded (Antenna Wise) | | | | | | 15 | | | | | | |
| Good Bye Yahoo - Hello IO | | | 21 | | | | | | | | | |
| Great Lakes Division Director - From the | | 20 | | | | | | | 15 | | | |
| Great Lakes Division Vice Director - From the | | 20 | | | | | | | 16 | | | |
| Gridtracker for WSJT-X or JTDX | | | | | | | | 9 | | | | |
| Ham Radio Boot Camp Dry Run | 9 | | | | | | | | | | | |
| Hamfest Calendar | 17 | 22 | 23 | 22 | 22 | 21 | 23 | 23 | 21 | 26 | 27 | 13 |
| Hamvention® 2019 | | | | 8 | 5/6 | 6/13 | 16 | 18 | | | | |
| Hamvention® Signs 5 year Contract | | | | | | | | | | 23 | | |
| Happy Birthday | 17 | 22 | 24 | 17 | 20 | 5 | 5 | 8 | 10 | 9 | 24 | 11 |
| Hara Arena Severely Damaged by Tornado | | | | | | 37 | | | | | | |
| Heading for a Grand Solar Minimum | | | | | | | 22 | | | | | |
| Headwaters Adventure Race | | | | | | 20 | 22 | 19 | | | | |
| Help Desk | | | | | | | | 37 | | | | |
| HF Interference with U-Verse | | | | | | | 14 | | | | | |
| HF7V From Old HF9V Parts | | | | | | | | | | 39 | | |
| Hiram Percy Maxim | | | | | | | | 25 | | | | |
| Hiram Percy Maxim - Happy 150 th | | | | | | | | 24 | 50 | | | |
| Home Project Jams Cars & Garage Doors | | | | | | 18 | | | | | | |
| How to Clean Up after a Battery Leak | | | | 45 | | | | | | | | |
| How To Make Projects Simpler Using Modules | | | 22 | | | | | | | | | |
| I Really Like This Club | | | | | 20 | | | | | | | |
| IO Group - PCARS | | | 21 | 19 | 21 | 12 | 19 | 37 | 39 | | | |
| Jamboree On The Air 2019 | | | | | | | | | 40 | | | |
| Kid or Grandkid - Rainy Day Project | | | | | | | | 39 | | | | |
| Kilo Eight Big Fun | | | | | | | | 20 | | | | |
| Knight Distinguished Service Award | | | | | | | | | 22 | | | 8 |
| Knowing a Language or Decrypting | | | | | | 32 | | | | | | |
| Little City Grill | | | | 24 | | | | | | | | |
| LOL in the Age of the Telegraph | | | | | | | 24 | | | | | |
| Low Power & Portable Operation | | | | | | | | | | | | 15 |
| Major Upgrade Boosts FT4 | | | | | | | | 8 | | | | |
| Make Ham Radio a Habit | | 34 | | | | | | | | | | |
| Mantua Potato Stomp | | | | | | | | 28 | 32 | 30 | | |
| March Meeting | | | 11 | | | | | | | | | |

Portage County Amateur Radio Service, Inc. - PCARS - Newsletter
The RADIOGRAM - Annual Index of Articles - Volume 14 - 2019



| Title | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Marshall D. Moran - 9N1MM | | | | | | | | | | | 28 | |
| Meetings, PCARS | 30 | 36 | 43 | 47 | 45 | 42 | 43 | 42 | 49 | 46 | 54 | 36 |
| Member Ham License Plates Wanted | 29 | 35 | 42 | 46 | 44 | 41 | 42 | 41 | 48 | 45 | 52 | 34 |
| Membership - New/Renew Application | 33 | | | | | | | | | 48 | 55 | 38 |
| Membership in ARRL | | | | | | | | | | | 30 | |
| Membership Information | | | 15 | | | | | | | | | |
| Mentoring the Next Generation | | | | | 5 | | | | | | | |
| Merry Christmas to ALL | | | | | | | | | | | | 40 |
| Mini Maker Faire - Akron | | | | | | | | | | 6 | 7 | |
| Mini Maker Faire - Kent | | | | | 24 | | | | | | | |
| Mobile Cruise-In | | | | | | | 46 | 46 | 7 | | | |
| More than a Million Contacts Made - FD 2019 | | | | | | | | | | | | 23 |
| MVARA Special Event | | | | | 34 | | | | | | | |
| NAQP RTTY Results | | | | | | | | 14 | | | | |
| National VOA Museum | | | | | | | | | 24 | | | |
| Net Info & NCS Schedule | 15 | 18 | 41 | 45 | 42 | 39 | 27 | 22 | 23 | 28 | 36 | 20 |
| Net Night at the Club Site Quiz | | 11 | | | | | | | | | | |
| New ARRL Publication - On The Air | | | | | | | | | | | 39 | |
| New England QSO Party Follow Up | | | | | | 19 | | | | | | |
| Newly Elected Club Officers for 2020 | | | | | | | | | | | | 9 |
| Now's the Time to get Your Name on Mars | | | | | | 40 | | | | | | |
| NWS Asks Everyone to Look Out | | | | | | 39 | | | | | | |
| Ohio NVIS Day | | | | 36 | | | | | | | | |
| Ohio QSO Party, Open House & Club Picnic | | | | | | | | 47 | 41 | | | |
| Ohio Section Manager, From the | | | | 23 | | | 38 | 15 | 29 | | | 18 |
| Ohio State Courthouses On The Air | | | | | | | | 17 | | | | |
| Ohio State Parks On The Air flier | | | | | | | | 48 | 51 | | | |
| Oldie But Goodie - SB-230 Revived | | | | | | | | | 20 | | | |
| OO's End - Monitors In | | | | | | | | | | 41 | | |
| OSPOTA 2019 | | | | | | | | | 9 | 8 | 8 | |
| OSPOTA 2019 Photos and Comments | | | | | | | | | | | 15 | |
| Paper Chase | 27 | 33 | 39 | 44 | 42 | 37 | 37 | 38 | 39 | 37 | 36 | 19 |
| Patches & Stickers PCARS | 15 | 15 | 15 | 22 | 22 | 20 | 22 | 13 | 12 | 37 | 46 | 28 |
| PCARS Christmas Party Meeting | | | | | | | | | | | | 7 |
| PCARS is One Fantastic Club | | | | 21 | | | | | | | | |
| Pictures from the PCARS Meeting | 31 | 37 | 44 | 48 | 46 | 43 | 44 | 43 | 45 | 42 | 49 | 30 |
| Pioneer Bus to Hamvention® 2019 | | | 47 | 51 | 49 | | | | | | | |
| Portable Ham Station | | | | | | | | 29 | | | | |
| Portage County Coms Unit | 16 | 19 | 20 | | | | | | | | | 21 |
| POW MIA Special Event | | | | | | | | | 18 | | | |
| PowerPole Distribution Board | | | | | | | | 10 | | | | |
| President, From the | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| President's Award 2018 - Tom, WB8LCD | 18 | | | | | | | | | | | |
| Progress on New Volunteer Monitor Program | | | | | 19 | | | | | | | |
| Putting the "Radio" in Radio Shack | | | | | 11 | | | | | | | |
| QSL Cards - WX4QZ | | | | | 35 | | | | | | | |
| Radiogram Wins First Place in Ohio Section | | | | | | | | | 6 | | | |
| Radiosport & Field Services Manager - New | | | | 17 | | | | | | | | |
| Raising a 42 foot Hex Beam at KD8SNM | | | | | | | | | | 16 | | |
| Raspberry Pi Sunclock Project | | | | 18 | | | | | | | | |
| Real Radio Hackers | | | | | | 35 | | | | | | |
| Registration for Contest University 2019 open | 37 | 42 | 48 | 52 | 50 | | | | | | | |
| Registration for Four Days in May open | 37 | 42 | 48 | 52 | 50 | | | | | | | |
| Repeater On The Air - New from K8IV | | | | | | | | 28 | | | | |
| Report Causes Concern & Confusion in CA | | | | | | | | | | | 29 | |
| Riley Hollingsworth - Volunteer Monitors Program | | | 19 | | | | | | | | | |
| RSGB Announces New FT4 Contests | | | | | | | | 22 | | | | |

Portage County Amateur Radio Service, Inc. - PCARS - Newsletter
The RADIOGRAM - Annual Index of Articles - Volume 14 - 2019



| Title | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Running for PCARS President | | | | | | | | | | | 27 | |
| Russian Sunflower Costal Radar on Ham Bands | | | | 37 | | | | | | | | |
| Schedule of Events | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 4 | 4 | 6 |
| Scouts and Ham Radio | | | | | | | | | 31 | | | |
| Senior Test | | | | 53 | | | | | | | | |
| Setting Digital Time | | | | | | | 40 | | | | | |
| Shack Shot - KB8UHN | | | | | 35 | | | | | | | |
| Shack Shot - N8XTH | | | 20 | | | | | | | | | |
| SIG - Antennas | 22 | 28 | 30 | | 33 | 30 | | | | | 44 | |
| SIG - Digital | 23 | 29 | 31 | 35 | 33 | 30 | 35 | 36 | 37 | 36 | | 27 |
| SIG - DX & Contest | 24 | 30 | 30 | 35 | | | 35 | 35 | 38 | 36 | 45 | 28 |
| SIG - QRP & Linux | 22 | 28 | 31 | 34 | 33 | 30 | 35 | 35 | 37 | 36 | 44 | 27 |
| SIGs? Why Do We Have | | | | | | 29 | | | | | | |
| SK - K8NI - Albert Into | | | 16 | | | | | | | | | |
| SK - K8STK - Tom Creech | | | | 6 | | | | | | | | |
| SK - KC8PD - A Tribute to Jim Aylward | | | | | 43 | | | | | | | |
| SK - KC8RJR - Errol Jordan | | | | | | | | | | | | 5 |
| SK - KD8EPE - John Hart | | | | | | | | | | | 6 | |
| SK - WB8FEW - Bobby Pruett | | | | | | | | | | | 6 | |
| Skywarn Net | 17 | | | | | | | | | | | |
| Skywarn Recognition Day | | | | | | | | | | | 38 | 17 |
| Smithsonian Institution Station NN3SI | | | | | | | | 36 | | | | |
| Solar Cycle 25 - Below Average Prediction | | | | | 16 | | | | | | | |
| South Mill K8JLY Tour - September | | | | | | | 36 | 49 | 52 | | | |
| Spring Forward, FALL BACK | | | | | | | | | | | 7 | |
| Squirrel Buro at PCARS | | | | 27 | | | | | | | | |
| Strange Things | | | | | | | | 50 | | | | |
| Sun-path | | | | 38 | | | | | | | | |
| Survey Says F8 Growing as THE DX Mode | | | | 14 | | | | | | | | |
| Survival - Precautions & Planning Helps | | | | | | | | | | 17 | | |
| Swap-N-Shop | 19 | 24 | 25 | 25 | 23 | 22 | 26 | 27 | 26 | 25 | 33 | 16 |
| Teaching Ohm's Law to Beginners | | 23 | | | | | | | | | | |
| Tech Notes | | | | | 9 | | 28 | | | | | |
| Tech Tip - Living With Surface Mount Devices | | | 40 | | | | | | | | | |
| Technician Class Flier - Starts Feb 6 th | 35 | 40 | | | | | | | | | | |
| Thanks & 73 | 39 | 43 | 49 | 55 | 51 | 46 | 47 | 51 | 53 | 49 | 56 | 41 |
| The Electrical Outlet - How it Got That Way | | | | | | 33 | | | | | | |
| The Ghostly Station No One Claims to Run | | | 35 | | | | | | | | | |
| The PCARS Black Squirrel is Back !! | | | | | | | | | | | 53 | |
| There is No Plural for 73 & info on FT8 | | | | | | | | | | 13 | | |
| Think [Box] - Filling Your Skills Gap at | | | | 26 | | | | | | | | |
| Think [Box] Tour | | | | | | | | | | | | 22 |
| Three Most Asked Questions from Newbees | | | | | 18 | | | | | | | |
| Tuesday UHF Net at Noon | | | | | | | | | | 14 | | |
| Two Entry Level Petitions | | | | 42 | | | | | | | | |
| UN Amateur Radio Club | | | | | | | | | 13 | | | |
| Unusual Antenna Designs | | | | | | | | | | | | 29 |
| USB and the Man on the Moon | | | | | | | | 12 | | | | |
| VE Test Sessions | 13 | 13 | 18 | 15 | 17 | 16 | 19 | 13 | 12 | 10 | 25 | 12 |
| Vice President - From the | 6 | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 5 | 5 | 5 | 4 |
| Vigilant Guard 2019 | | | | | | | | | 17 | | | |
| VOA Expanded Hours during Hamvention® | | | | | 10 | | | | | | | |
| Voltage References | | | | 33 | | | | | | | | |
| What's Inside? Hidden Parts | | | 41 | | | | | | | | | |
| Winter Field Day | | 19 | | | | | | | | | | |
| Winter Tech Class and VE Session | | | | 11 | | | | | | | | |
| World Scout Jamboree Gears Up | | | | | | | 41 | | | | | |

Portage County Amateur Radio Service, Inc. - PCARS - Newsletter
The RADIOGRAM - Annual Index of Articles - Volume 14 - 2019



| Title | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| WSJT-X Version 2 - UPGRADE | 12 | | | | | | | | | | | |
| WSPR Information | | | | | | | | | | | 32 | |
| WWV Funding Restored | | | | 27 | | | | | | | | |
| Yagi Antenna Build Day | | | | 20 | | | | | | | | |
| Yahoo Group PCARS | 13 | 15 | | | | | | | | | | |
| Yes - I'm an Old Curmudgeon | | | | | | | | | 27 | | 48 | |
| Yet Another CW Article | | | | | | | | | | | 34 | |
| You've Got Mail | | | | | | | 20 | 21 | | | | |
| Youth DX Adventure | | | | | 21 | 21 | 13 | | | | | |
| YouTube PCARS | 29 | 35 | 42 | 46 | 44 | 41 | 42 | 41 | 48 | 45 | 52 | 34 |