

**Portage County Amateur Radio Service, Inc. - PCARS - Newsletter**  
**The RADIOGRAM - Annual Index of Articles - Volume 15 - 2020**



Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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ARRL Expands Online Discussion Groups		30										
ARRL Letter Updates									26			24
ARRL Membership Application									44	39	48	45
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Beyond Radio								36				
Canadian Section, New		23										
Center of Hope Donations											6	8
Charlie the Tuner's HF High-Lites	28	31	32	30	34	33	29	41	34	30	39	31
Cleveland Marathon Volunteers Needed			17									
Club Log Updates	25											
Club Officers for 2020	7											
Coffee Cup - Limited Edition	6	6	5	5	5	8	6	9	15	5	5	7
College Club Visit - Case Western Reserve	11											
Coms Unit & EOC Update		17		21								
Congratulations to the PCARS 2021 Officers												6
Contest Calendar	10	12	13	16	15	16	26	39	33	29	38	31
Contest University 2020	26	29	31			11						
Contesting - 10 Steps to FUN & Success											38	
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Covid-19 and Wine										40		
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CTU 2020 - LIVE on ZOOM & Free					8							
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Dead Electrical Dudes				18	16							
Deron (N8XTH) and Constance Boring										16		
Drake TR-3 Pre-Production Model - 1962					33							
DX Engineering Hamfest - Cancelled						35						
DX Engineering is Hiring						27	31	39				
DXCC and the South China Sea Claims									25			
EchoLink to the UK		21										
Elmer, The Importance of Being an			38									
Extra Class Question Pool Changes		11										
FCC Fines HobbyKing \$3 Million								15				
FCC Headquarters Relocates											42	
FCC Proposes Amateur License Fees										9		
Field Day - 20 Meter Station		27	26	28	30	31						
Field Day - 40 Meter Station						30						
Field Day - CW Station		27	26	27	29	30						
Field Day - Flex Station		26	25	26	29	29						
Field Day - K8CAV Style							25					
Field Day 2020	23		25	25	28	29	21	32				25
Field Day 2020 Rule Changes for						6						
Field Day History						15						
Field Day IMPORTANT NOTICE about						7						
Fifteen Years and Still Growing	14											
Fifteenth Anniversary Special Event - K8BF										27	9	11
Fine Print	45	49	48	44	43	45	41	56	48	42	53	48
Flattening the CW Learning Curve								48				
Flex Net						23	21	29	27	21	36	27
Foghorn is Back on the Bands										6		
Friedrichshafen Cancelled					12							
From the ARRL Letter												36
Fun Stuff		44	45	42								
Fun with State QSO Parties		24										
FYAO - 15 <sup>th</sup> Annual		7										
FYAO 2020	42	45	6									
General Class Course Flier	26	46										
Get Your PCARS Gear on-line NOW			4									
Getting Out to Parks for HF Fun	17											
Global COVID-19 Radio Event						11						
Good Memories							39					
Great Lake Division Newsletter Award								8				
Great Lakes Div 2020, Candidates for the									18	24		10
Great Lakes Division Convention		47	46									
Great Lakes Division Director, From the		19	20	23	23			23				

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Grid & Prefix Award Program - Digital									33			
Ham Nation - N8AMY talks about PCARS									23			
Ham Radio - Germany - 1933		15										
Ham Radio Mobile Operations - Circa 1919								40				
Hamfest Calendar	10	12	12	13				37				
Hams Help Develop a Medical Ventilator					38							
Hamvention® 2020 Tickets On Sale		25	24	13		10	6					35
Hamvention® Bus Trip Flier - Pioneer ARF			46									
Hamvention® QSO Party				17	9							
Happy 15 <sup>th</sup> Birthday PCARS											28	
Happy Birthday	5	5	23	23	22	18	16	11	16	11	28	22
How to Become an Expert Wireless Op					14							
How Well Do You Know Your Radio?											27	
Hustler 5-BTV Project							22					
I'm Trying to Smile - You Should, Too					41							
IARU Adjusting to COVID-19				12								
IO Group	31	28	30	29	30	31	26	15	17	11	25	19
Island & Maritime (Kayak) Mobile								44	37			
JOTA 2020										23		
K3LR - Hosts Youth for CQ WW WPX CW			39									
KDKA Centennial Celebration											22	
Keep Active				9								
Learn About Electronics, A Resource									14			
License Plate - Gave Up My Amateur Radio		41										
License Plates Wanted, Member Ham	39	42	43	40	39	42	37	49	41	35	44	41
Like I said - 'It's a Snap"	22											
Little Rock, News from			10									
Looking for that Transceiver				20								
Mahoning Valley ARA - 2m Contest			13									
Maritime Mobile							36					
Meetings, PCARS	40	43	44	41	40	43	38	50	42	36	45	42
Membership Application												44
Membership Application											47	
Membership Application										38		
Membership Renewal Information												23
Michael Kalter - W8CI - Life Membership				6								
Mobil Cruise-In Flier								51				
Moonbounce Contact via FT8 - A First						13						
More COVID-19 Changes							10	5				
Morse Code Message Going to Mars					37							
Motorola Wins DMR Dispute			27									
MVARA 2 Meter Contest					32							
N3FJP, Update from			28									
N8AMY - 13 Colonies Special Event								12				
NCVEC Annual Meeting										34		
Net Info & NCS Schedule	23	25	24	24	27	28	24	38	32	28	37	28

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New Antenna Installation at N8WCP											33	
New ARRL Amateur Radio Webinar Series								21				
New ARRL CEO - David Minster, NA2AA									6			
New Benefits for ARRL Members					10							
New Mode - FST4-WSJT-X										7		
Newer Solar Cycle 25 Forecast								17				
News from the CQ Magazine Blog							11					
NIST's Roll in Radio - 1911 to 1933					25							
NOAA Updates Solar Cycle 25 Prediction					19							
NVIS Day	20	21	22	20								
Ohio Ham Named Young Ham of the Year								18				
Ohio Section Awards - 2020								6				
Ohio Section Manager, From the ARRL	15	18	18	22	21	24	17	22	22	18	32	22
Ohio State Parks On The Air								30	9	8	11	
Ohio State Parks On The Air Flier								53	45			
Ohio's Proposed Anti -Texting Law			19									
On the Air Magazine		23										
One Happy Grandpa									28	22		
On-Line Code Instruction - Free				11								
Opposing FCC's Application Fee Proposal											10	
Orlando to Host 2021 ARRL Convention							12					
Outlet Challenge			29									
Paper Chase	21	22	23	16	12	14	12	25	24	20	35	26
Past President's Notes & President's Award	8											
Patches & Stickers	9	11	11	21	22	18	16	9	15	11	25	17
Phonetic Alphabet				8								
Pi Day - March 14 <sup>th</sup>			16									
Pictures from the last PCARS Meeting	35	38	40	38	36	36	34	45	43	37	46	43
PowerPole Build Project - March 21 <sup>st</sup>			11									
President, From the PCARS	4	4	3	3	3	4	3	3	3	3	3	4
Propagation as a Matter of Life or Death								10				
Public Service Volunteering			17									
Puzzlement over FT8 Contest Use											43	
QRP News										12		
QSL Display at Little City Grill	24											
RCA Youth Activities - QSO Today Expo											30	
Remote Testing - Contrary Opinion					6							
Rental Car QSO's									36			
RF Exposure Safety Rules, FCC Amending	12											
RSGB - No Multi-Ops				11								
RTTY/Data - Where on HF?	16											
Russian Radar in the Ham Bands - Again	18											
Santa Net On The Air												12
Schedule of Events	6	6	5	5	5	8	5	5	5	5	5	7
Schematic Wall Art										33		
Shack Shot - Mike, N8WCP									18			
SHELL, The			14									

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SIG - CW/QRP & Linux	32	35	35	33	37	39	35	46		32	42	
SIG - Digital		36	35	33		40	35		38	32		29
SIG - DX & Contest	33	37	36	34			35	47	38	32		30
SIG - Special Linux Report		36										
Sign of the Times							36					
SK - Dave DeSimio, WA8GCF		3										
SK - George Boggs, KB8SK	3											
SK - John Devoldere, ON4UN												9
SK - Rick Tenan, WA8TSI												3
SK - Robert Davet, W8JFQ						3						
SKYWARN Recognition Day											8	10
Skywarn Spotter Training Postponed			27									
Solar Cycle 24 Minimum Passed									21			
Solar Cycle 25 to Peak in July 2025	14											
Spark - A New Form of Communication				15								
Special Event W8A - December 5th												13
Spring Forward - FALL BACK											8	
State of the Hobby Survey - 2020						26						
Suitcase Radio - 1922								43				
Sun Clock							27					
Supporting Amateur Radio						32						
Swap-N-Shop	13	14	15	19	17	17	15	19	19	14	26	18
Thanks & 73	44	48	47	43	42	44	40	55	47	41	52	47
Thunderstorm Safety							32					
Titanic Distress Call					19							
Titanic Radio Room Retrieval Debated												16
Tools - From the workshop of NO8D												46
Tower Safety Video Series					11							
Trotwood Plans to Demolish Hara Arena										19		
Turkey Takes Toll on Ham												40
Two Hundred Meters					13							
U.S. Amateur Band Chart											29	
UHF Net, Tuesday Noon			22									
Universal Radio - Closing												29
VE Test Sessions	9	10	9	7	6	9	7	11	16	10	23	14
Versa-TR Switch Kit			40									
Vice President, From the PCARS	5	5	4	4	4	5	4	4	4	4	4	5
Virtual Ham Expo							9	13	39			
Volunteer Monitor Program		24										
W4F Special Event - Dec 18-24												20
W8CI - Candidate for GL Division Director										24		
W8S DXpedition Delayed			11									
What Will You Do in Amateur Radio? 2020	38											
What Would You Do?								16				
Win a Yaesu FT-450D		28	30	28								
Winter Sale Day at DX Engineering	14											

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Wireless Power Transfer for Vehicles										17		
Work the World on 100 watts	34											
Wouldn't it Be Wonderful?							13					
WRTC 2022	21											
WSJT-X Beta Update						12						
YOTA 2020 Cancelled					31							
Youth Team Contest at K3LR - Cancelled					31							
YouTube	39	42	43	40	39	42	37	49	41	35	44	41