The Five-Watter Index of Articles

This index of articles was hand-compiled from a collection of The 5 Watters contributed to the editor by several members. To save time, some regularly recurring columns, and articles not listed on the front cover may not (yet) appear in this list. As time permits, your editor will review each magazine to identify additional substantive topics that may be of interest and will update the index accordingly.

1990

March 1990

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Ten-Tec knob fix
Simple thoughts on SWR
Small antennas that work
Triboelectric topics
Life without 10 meters
A reasonably priced QRP kit
Net report
CFA - Strange new HF antenna

June 1990

Field Day map
Net report
One from the Old Buzzard
Argonaut II - Higher & higher

September 1990

Net Report Editor's Logbook The Tangent-Ray Who to contact

December 1990

Upcoming CW contest Auto gain control for C-21 Net Report Feedback on Tangent Ray New column

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March 1991

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Easy antennas for 160
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The return of QRP-DX

June 1991

Up & Out Antenna Product Review: Super Keyer II Net Report More comments on redefining QRP

The return of QRP-DX

September 1991

The new Argonaut II Mods for the FT-7 Mod for the Century 22 QRPing the Icon 751 Speaking of polarization

December 1991

Three-band portable dipole Electromagnetic waves —or pixies? Review: OHR QRP-20 transceiver Freed needs some help 624 kits

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March 1992

All balled up A second opinion New members Letter from Saudi Arabia QRP transmitter from Singapore

June 1992

Improved Up & Outer M-1000 awarded Icom QRP mod Kenwood QRP mod HW-9 mod Check that balance

September 1992

Message from the President - Lowell Corbin KD8FR
From the Editor's Logbook
QRP-DX: Changing hands
Net Report
QRN: Radio's universal bane
What is this thing called "characteristic impedance?"
Book Review: Low Power Communications: Vol. 1 - QRP Basics
A quick, cheap, easy dummy load
QRP PR Column
Michigan QRP Club pins now available

HW-9 Selectivity improvement recommended Welcome to new members

Are your dues due this month?

December 1992

The Soup-Loop
Faster than the speed of light?
Milliwatting
QRP DX
Adapting the "Rockloop"

1993

March 1993

Whispering with a Screamer 1993 Michigan QRP Club CW Contest results QRP-DX: New countries Opinion: DX Chasing New QRP book reviewed

June 1993

A review of the X-Beam An ideal QRP keyed Breathing new life into old tuners QRP-DX: More new countries Review of two new books

September 1993

DX QRP News 40-meter end-fed Zepp Is QRP necessary? A second look at "72" QRPing Icom rigs

December 1993

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March 1994

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September 1994

DX QRP News More on the Windom Radiation resistance Labor Day CW Sprint 5 watts from an HW-8

June 1994

DX QRP News User Review: QRP Plus QRP PR

Why not an indoor antenna?

Field Day plans

December 1994

Confessions of an Appliance Operator Labor Day Sprint Results January CW Contest Info What's Wrong With Today's Ham Magazines? Special Help Wanted

1995

March 1995

Rock's Remarkable Ramshackle-Radiator 1995 CW Contest Results Insect CW Filter The Three'fer

June 1995

Ramshackle-Radiator Revisited Elevated Verticals Help for Heath Hum ARRL Handbook Review

September 1995

Elevated Verticals
Short Verticals
Review of OHR Wattmeter Kit
QRP-DX in St. Lucia
ARRL Handbook Review
Ionospheric Focusing

December 1995

Handbook Review Mini Dipole Marker Generator Handle With Care - 2N7000 Antennas - The Inside Story

1996

March 1996

Peanut Whistles of Corregidor Simple Antenna for 160M TS-50S Mod Tejas Backpacker Mod Rock Tells All About Sol Super CW Station Preview of Dayton

June 1996

The Founding of the Michigan QRP Club How to Test an Antenna A Simple Tuner for QRP On Mysteries Member News Hints and Tips

September 1996

Mi-QRP Comes of Age Heard on grp-I Let me introduce myself The WBL V2L lambic Paddles Antenna Tip 4 Travel The Lima Electronics Mini-Straight Key Easy Portable Antenna Membership Notes A Few Thoughts on Small Single-Turn Antennas QRP-DX: YS1ZRB Randy

December 1996

Ooops Fun - Sun - And a Little Radio, Too The HF/MF Skylooper for 160 - 40 Meters The Spark Resonant Speakers for CW Four Days in May QRP Symposium - the Amateur Radio QRP Event of 1997 Announcing the NorthWest QRP Club Digital Contest QRP-DX - YS1ZRB Randy - Party 2 Michigan QRP Club 1997 CW Contest

1997

June 1997

WQ8RP (explained) MiQRP Club January 1997 CW Contest MiQRP Club 1997 Labor Day Sprint

September 1997

A Word of Explanation (gap in T5W publication) New Product Announcement The DB 80 SSB/CW QRP Transceiver QRP-DX The Joy of Bricolage

December 1997 The MiQRP Club 1998 CW Contest Can it get better than this?

Isn't HAM Radio Great? Confessions of a QRP Addict HW-8 Milliwatt Adventures MiQRP Club Contest Results QRP-DX The Rockloop "JOY..." is Back!

1998

March 1998

MiQRP January 1998 CW Contest Results Oak Hills Research OHR100A Review The Duck Vertical MiQRP Club Memorial Day CW Sprint Details Contesting for Fun QRP Contest Calendar QRP-DX

June 1998

Elecraft K2 SGC-2020 TenTec 1330/1340 Review The NorCal 20 Maryland-DC QSO Party Mi-QRP July 4th CW Sprint MiQRP Labor Day Sprint QRP-DX

September 1998

MiQRP Contest Results - Memorial Day CW Sprint MiQRP Contest Results - 4th of July CW Sprint MiQRP Contest Rules Where has all the Ether gone? How about some Loop-Lore? Contesting for fun QRP-DX

December 1998

Mi-QRP Contest Rules - January 1999 CW Contest The Art of QSLing DX Review of the SST QRP Rig QRP with John Shannon Contesting for Fun QRP DX How to buy a Gell Cell

1999

March 1999 K2 Road Test Working "Weak Ones" - '821K The OHR 500 Contesting for fun QRP DX WinCW

June 1999

Small Wonder Labs DSW-40 Simple Antennas Contesting for Fun 4th of July CW Sprint Dayton 1999 Recap QRP DX

September 1999

The Michigan Challenge - 1999 The Double Extended Zepp QRP with K3WWP QRP: Light Emitting Diodes Contesting for Fun

December 1999

More on the ZEPP Antenna Indoor Loop Antenna QRP with K3WWP Michigan QRP Club - 2000 CW Contest Rules TICK talk 4: Next Generation Telegraph Collector's Guide

2000

March 2000

Tune it up Memorial Day CW Sprint A QRPer's Friend 1999 4th of July CW Sprint Contesting for Fun

June 2000

Pocket Organizer for QRP Contesting Great Old Rig Never Dies Review of PSK-20 2000 4th of July CW Sprint

2001

Fall 2001

QNI? The Original Geeks Tower/Beam Alternative MultiPig-20 (aka MP-20)

Winter 2001

Hexagonal Beam in Three Hours QCWA Cruise - QRP Style November Breakfast Pics 2002 QRP Contests

2002

Spring 2002

QRP 70 Years Ago QRP DX Prime Time December Breakfast Photos VE7CA Wire Beam Michigan QSO Party

Summer 2002

QNI?
WQ8RP FD Report
Portable Loop Antenna
Frugal 15 Meter Beam
MiQRP Reflector Web Page
MiQRP Club Contest Page

Fall 2002

MiQRP Receives Windfall Pork Free Tuner TAP Code Bobtail Antenna

2003

Winter 2003

No Excuses QRP Rig LED Camping Light QNI 2002 Winter 2003 (second edition) The "Ideal" Back-Up Antenna for 80-20 Meters - L.B. Cebik W4RNL 30 Years and still one of my most pleasant memories - Mike Hall WB8ICN Project Box using PCB material Revisiting "The Rock" aka Rocky W9SCH

Spring 2003

The First QRP Ops Why Support ARRL? Ft. Smith Sidekick Receiver Atlanticon 2003 QRP Forum Follow-up to the MP-20 My Retro Station

2004

Spring 2004

The "Ideal" Back-Up Antenna for 80-20 Meters (part 2) - L.B. Cebik W4RNL The Second Story Antenna 2004 Michigan QSO Party Rambling Cajun Uttering's Antennas and Feedlines

2005

Winter 2005

Antennas and Feedlines Uttering of that Ol' Rambling Cajun You will not drill and antenna hole in the car 2005 Contest and Sprint Rules QRP Tid-Bits

Fall 2005

Hurricane Katrina
Utterings of that Ol' Rambling Cajun
Antennas and Feedlines
Let's be positive about the no code decision
The Michigan QRP Club Weekly CW Net

Spring 2005

Great Lakes Division Convention Banquet 2005 Annual Meeting Antennas and Feedlines Utterings of that Ol' Ramblin Cajun Rocky W9SCH Returns to the Airwaves AmQRP "QRPers of the Year"

Summer 2005

NVIS Antenna Antennas and Feedlines 2005 Contest and Sprint Rules

2006

Spring/Summer 2006

That Utterly, Ramblin Cajun Came to FDIM Software Tools for the Homebrewer [Part 2] Memories - Bill Loucks VE3AR Michigan Scanner Law Using the Elecraft XG2 Receiver Test Oscillator To Brew, or Not to Brew 2006 Contest and Sprint Rules FDIM 2007 Building Contest Memories - Bill Loucks VE3AR (continued) Revised Band Segments per WTB Docket 04-140 Homebrew Manual Spectrum Analyzer To Brew, or Not to Brew

Winter 2006

2006 Straight Key Night Ol' Rambling Cajun Utterings Antennas and Feedlines Software Tools for the Homebrewer

2007

Spring 2007

L.T. "Buck" Switzer N8CQA .. SK Compact Switchable Balun and FD3 Antenna QRP - the German Influence WQ8RP in QRPTTF Let's Get Digital

Winter 2007

Memories - Bill Loucks (continued) Band and Mode Allocations 75/80 and 40 Meter Band Allocations To Brew. or Not to Brew

Summer 2007

QRP - The German Influence (continued) Antenna Pruning by the Book Makin Cents from Non Cents Secretary's Scribbles Alaska QRP Lunch Deal of the Year To Brew, or Not to Brew

Fall 2007

Brainteaser for a Homebrewer QRP - The German Influence (continued) Fourth of July Sprint - 2007 Results QRP in an Emergency To Brew, or Not to Brew Homebrew QRP Meter

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Spring 2008

The Antenna Guru, LB Cebik W4RNL SK The Joy of Kit Building Homebrew Single Coil Z-Match An amplifier for a DDS VFO To Brew, or Not to Brew

Fall 2008

A Huff-puff stabilized heterodyne VFO/Exciter First Sound: receiver project The Curse of the Spruce N8XX is Out There Again - Ohio QSO Party

Winter 2008

And the Winner is... (brainteaser contest)
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Trip to Paradise, Michigan, Anyone?
To Brew, or Not to Brew

Summer 2008

The "UNTENNA"

N8XX MiQRP Memorial Day CW Sprint 2008

W8QRP used in QRPTTF 2008

QRP Quality Recognition Award

Volunteering

To Brew, or Not to Brew

2009

Summer 2009

Mikey's (WB8ICN) Completed 20 Meter Rig 2 Steps Back to Take 1 Step Forward Governor recognizes contributions of amateur radio enthusiasts WQ8RP goes TTF (To The Field) An Introduction to Digital Signal Processing (DSP) Scientists predict Solar Cycle 25 to Peak in 2013

Winter 2009

The RixPix - My version of the Pixie Transceiver
Ham Mag - www.ham-mag.com
QCWA - Hamming - Cruising on the High Seas
Build the "COBRA" Antenna
Ugly/Ground Plane Construction - the method I use in building my simple receivers

Spring 2009

10th QRP Minimal Art Session WQ8RP in FYBO 2009 The RixPix - My version of the Pixie Transceiver (part 2) MiQRP Minutes of Annual Meeting 2009

Fall 2009

Gel Cell Charger/Maintainer A Universal Random Antenna Tuner The Bail-out continues!!! (Cash for radio clunkers) Homebuilding Diode Ring Mixers WQ8RP to the Field for FOBB 2009 The Reggie Transceiver

Winter 2009-1

ARRL Sweepstakes Contest CW
The VRX-1 / NS-40 Project
A Polyvaricon Tuned Sudden Receiver
Woodworking or Homebrewing???
Christmas Crossword Puzzle

2010

Spring 2010

My QRO Machine WQ8RP FYBO Team 40 Meter Popcorn Superhet Receiver North American QSO Party, CW FYBO at Blue Mountain Summit in PA Rig Dead due to reverse power application Michigan QRP Club Minutes of Annual Meeting 2010

Summer 2010

VE7BPOs RF Current Sampler
MiQRP Club joins the 21st Century
The Michigan QRP Club is What the Hobby is All About - Dan Romanchik KB6NU
My QRP Machine
Why radio amateurs are called "HAMs"?
Memorial Day Sprint - Contest Results
WQ8RP/N8XX Wins the WW-WPX Contest
CQ OQP CQ OQP, Ohio QSP Party is Near

Fall 2010

My QRP Machine, Part 3 WQ8RP - QRP - TTF 2010 Report Michigan QSO Party MiQRP Club Memorial Day Sprint CQWW WPX Contest, CW Using High Rs for Standoffs WebSDR de WB4MAK Independence Day Sprint

2011

Spring 2011

Message from the President - Jim Vigne K8DD's Celebration of Life WOW, a Plaque for N8Q/N8XX Comments from the workbench - VCOs and Varactors K6JSS/8 in Michigan FET Tester - VGS Measurement Tool

Winter 2011

Tribute to K8DD News from the ARRL FET Matching

Summer 2011

Michigan QRP Club T-Shirts 555 Super-Regenerative IF HF Spectrum Analyser Dayton 2011 Story and MFJ 9200 QRP CW Xcvr Popcorn Audio Frequency Power Amplifier

Fall 2011

My First CW QSO
The Tri Bander Award
CQWW WPX Contest, CW
The CC-20 First Beta Version
HF Wavemeter
Bipolar Junction Transistor Beta Tester

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Fall 2012

QRP Afield 2012 from Colorado - Alpha Antenna Review
ARLB023 FCC Seeks to changes amateur radio licensing rules, allow additional emission types
T32LJ QRP QSOs from Christmas Island
Antennas for RVs
Ohio QSO Party K6JS (N8XX) Single Op QRP

Winter 2012

Advent Calendar of Circuits 2011 Contest and Operations Butler Oscillator-based 50 MHz Signal Generator -20 dB Tap Attenuator The Paraset ARRL Sweepstakes Contest, SSB

Spring 2012

Minutes of the Annual Meeting 2012 Homebuilding Diode Ring Mixers Ongoing Operating Adventures of Hank, N8XX

Summer 2012

Magnitude only scattering parameters A plea for help New "PRB-1" law now in effect in Ohio (favorable to ham radio) Ongoing Operating Adventures of Hank, N8XX Microphonics in direct conversion receivers

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Flight of the Bumblebees 2013 - WQ8RP club Volunteer Kitting - New Experiences (part 2) MiQRP Club's Sponsored Contests Michigan QRP First Annual Picnic The CRX1 40 Meter receiver kit by EtherKit MiQRP Club's Labor Day Sprint

Summer 2013

SYBO - Scorch your butt off CQWW WPX Contest, CW QST MIQRP Members

Volunteer Kitting (part 1) 2013 CMARC "Outdoor Hamfest" ARRL Great Lakes Division Convention Summer Hamfest Listing for 2013

Winter 2013

Flying Pig Rig Four State QRP Club kits L-C Meters More Antennas for RV's

Spring 2013

W9SCH (M-80) SK Minutes of the Annual meeting 2013 Memories of "Ol' Rock" Variable power supply using the LM388 Regulator QRP ARCI Spring QSO Party - WQ8RP

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Soldering is easy
Michigan QSO Party 2013
Michigan QSO Party 2014
New England QSO Party 2013
The Michigan QRP Club Honor Roll
CQWW WPX Contest, CW
Michigan QRP Net Report for first quarter 2014
DXpedition to HELL
Michigan QRP Picnic

Winter 2014

SVA (short vertical antenna)
ARRL 160 meter contest results
NCCC Sprint
QRP Contesting and Portable Operating
PHSNA (poor ham scalar network analyzer)
2014 ARRL Centennial QSO Party
Stew Perry Topband Challenge

Spring 2014

Michigan QRP Club Honor Roll Michigan QRP Club Minutes for Annual Meeting 2014 MiQRP Net Reports for Fourth Quarter 2013 WZ8C Nancy Anne Kott - SK Binaural Direct Conversion Receiver for 40 Meters Upcoming Hamfests

Fall 2014

The 30 degree gap on toroids - from lore to insight What a hobby A day in Hell (Michigan, that is)

MiQRP Net Report for Second Quarter of 2014
The Michigan QRP Club Honor Roll
ARRL Hamfest Schedule for the Great Lakes Division
QRP SWL Homebuilder Website
N8XX does it again (2013 CQWW DX Contest - single op 10 meters)

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Fall 2015

2015 Great Lakes Division Convention
Antenna Basics - Part 2
Technician Licensees - why not try low power HF CW?
New "Minimum QRP" book released
W1AW 2015/2016 Winter Operating Schedule

Winter 2015

3 Ham Band VFO with Adjustable Amplitude The MiQRP Club Honor Roll Livonia ARC Swap & Shop MiQRP Net Report for third quarter 2014 Arduino Projects on the Workbench

Spring 2015

Vintage QRP
The MiQRP Club Honor Roll
2015 MiQRP Club Picnic
ARRL Sanctioned Hamfest listing for the Great Lakes
MiQRP Net Report 4th quarter 2014
FCC "Paperless" Amateur Radio License Policy now in effect
Minutes of the Annual Meeting 2015

Summer 2015

The MiQRP Club Honor Roll MiQRP Net Report A Keyer fit for a CW geek Picnic Pictures Hamfest Update Tid-Bits and Nice to Know Info

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Winter 2016

MiQRP Net Report for 2nd and 3rd quarters of 2015 A Simple VXO for 7 MHz. MiQRP Net Procedures Reverse polarity protection N8XX on the North Country Trail during National Parks on the Air The Reverse Beacon Network to predict station performance

Spring 2016

1W20 - Review of the One Watter

MiQRP Net Report for 4th quarter 2015 You have an appointment with the Doctor A simple receiver front end for 7 MHz Ham Radio in the outdoors N8XX on the North Country Trail ERRATA - Reverse polarity protection Peanut Power on the Air

Summer 2016

MDT Ham Radio 40m Transceiver Kit CQWW WPC Contest, CW Cadillac Hamfest 2016 Why do I have QRP fun from Ypsilanti Annual Lark in the Park T5W Fodder

Fall 2016

Mark Schreiner's NK8Q, Hike on Isle Royale An adventure out west for the National Parks on the Air - N8XX North American QSO Party, CW

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NK8Q Contest Ramblings Upcoming Hamfests N8XX Contesting Adventures

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Dales Tales
Fun with end-fed antennas and 9:1 nuns (part 2)
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The Z-Match - a home-built antenna tuner
Michigan Distracted Driving Bill HB4466
HamCon Michigan - October 7th and 8th
MiQRP Picnic

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Annual Club Picnic Ugly/Ground Plane Construction CQWW WPX Contest, CW Great Lakes Hamcon Ham Swaps/Meets PNP Wrap-around bias for an NPN RF Amp

Fall 2017

mcHF QRP - a KX3ish SDR transceiver Peanut Power Sprint Upcoming Hamfests/Meets Time Stopped Still for QRP My version of N2CX try-bander vertical Annual Club Picnic 2018

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Contesting with Attitude (and purpose)
W1AW 2018 Winter operating schedule
Play Word Too and learn to copy Morse in your head
Upcoming Michigan Hamfests

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2018 Club Picnic QRP and 160 Meter Contests QRP and Computers - part 2 Club News

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Which way does current really flow?
ARRL DX Contest, CW
Announcing the 2018 Michigan QSO Party
Wintertime SOTA
ARROW Bus to Dayton
ARRL: How can we help?
Upcoming Hamfests

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The Fabulous Michigan QRP Picnic
Make every day an outing day, QRP Style
QRP and Computers - Part 1
The minions have arrived! - Review of the Minion Mini DC-3001 QRP Transceiver

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Winter 2019

MiQRP Club 2019 Calendar Annual Michigan QRP Club Picnic Back issues of Lo-Key A review of the CommRadio CTX-10 uBitx Top Band QRP at the bottom of the sunspot cycle 24 (part 1)

Spring 2019

Announcing the MiQRP FT8 Net ARROW Dayton Bus Trip MiQRP Club 2019 Calendar Weekly video chat announcement Top Band QRP at the bottom of the sunspot cycle 24 (part 2) Final Tid-Bits

Summer 2019 (first color edition) - published in paper and available electronic Election Results KR8L PC Sound Card to Transceiver Interface Box Start a breakfast group in your area

Voices from the past Go fly a kite Gone Fishing What's Coming Up

Fall 2019 - published in paper and electronic

Labor Day Sprint Contest Results Up North Expedition MiQRP Lark in the Park - SKCC Contest Discovery of the Morserino Voices from the Past Go Fly a kite (Michigan style)

2020

Winter 2020 - published in paper and electronic Contest Challenge Results
Where's the Net?
Contest Proposal - submitting your QRP score
For no reason
Hidden Words - Puzzle
Lazy Man's Way of Tracking Down Noise
You have a NanoVNA. Now what?
Birds and Bees

Spring 2020 - published in paper and electronic

Could you do us a big favor? (We need email addresses)
MiQRP Contest Challenge Report
National Bureau of Standards helped make Radio
Let's give JS8call ad try
Check us out on FT8
From the Archives

Summer 2020 - published in paper and electronic

Did you receive your electronic copy?
Contest challenge report
Ubitx Transceiver accrues for improved CW operation
Easy receiver Kit
A QRP Field Day

2021

Winter 2021 - published in paper and electronic

Did you receive your electronic copy?
Review of the new RGO One HF Transceiver
A first look at the ICOM IC-705
MiQRP Contest Challenge Report
Enhancing our MiQRP contesting effort

Spring 2021 - published in paper and electronic

Did you receive your electronic copy?

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MiQRP Contest Challenge Report
Election of Officers and Directors
Review of W6NBC's HF Slot - Inverted Delta Antenna
Announcing Annual Club Meeting
Antenna Design with Modern Tools - using NanoVNA and NanoVNA Saver
Upcoming Activities We Have Planned
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Labor Day Sprint - Signup
In Search of the Perfect Rotatable Dipole
A Different QRP Transceiver WA3RNC TR-25
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Fall 2021- published electronic only President's Message Contest Report for Fall 2021 The DMX-40 Morse Code Transceiver Parks on the Air - Getting Outdoors MiQRP Picnic 2021 Elecraft K4 - First Impressions

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Winter 2022- published electronic only President's Message MIQRP Winter 2022 Radio Sport Report How to Send Email from Gilligan's Island A Band Springer -for when Spring is in the Air 2022 Calendar

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Message from the President
Michigan QRP Contest Report
User Review: Lab599 TX-500
Feedback from Member NK8Q — Some Differences Between SOTA and POTA
The Elecraft T1 Antenna Tuner
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Summer 2022- published electronic only

Message From the President QRP Contest Challenge Report My IC-705 Just Got a Lot More Interesting Another Different QRP Transceiver: WA3RNC TR-35 Making Up for Lost Ham Swaps Annual Picnic - Please Join Us MiQRP 2022 Calendar

Fall 2022- published electronic only
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MiQRP Labor Day Sprint Report
Weather Tracking Tool for Field Operations
Flight of One Bumblebee
Portable Digital Field Day-Can a little QDX play with the big boys?
Cabin Trip Fun
A few words on the (tr)uSDX transceiver

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Spring 2023- published electronic only
Message from the President
Spring 2023 MiQRP Contest Report
Midnight Design Solutions "Phaser" - ORP Digital Transceiver
Adventures with the Past My first days with a 40-year old HW-8
Field Radio Finger Dance

Special Edition 2023

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- Elections
- Annual Meeting
- Club Picnic