MARC Times

Newsletter of the Murgas Amateur Radio Club Inc. and K3YTL

Volume XXXVII Number VII **July 2025**

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Club Station - K3JML
Trustee Elaine Kollar
Club Repeater
145.450 MHz
Tone – 82.5 Hz
Packet - WBLAN
145.05 MHz
MARC NET
Every Thursday 9pm
Club Repeater
145.450/PL 82.5
The Murgas Amateur Radio Club Inc. meets on the first Wednesday of each month at 8:00 P.M in the Luzerne County EMA .Guests are always welcome.

de W3TRM

Hello everyone!!!
I am writing this article before our Field Day event, but nonetheless, I'm sure we all had a great time and made more good memories, as always. I'll have more to say about Field Day in the August newsletter!!!

Also, don't forget Murgas ARC is hosting its annual Hamfest on Sunday, July 6th at the Polish American Veterans, 2 South Oak Street, Plains, PA. There's always something interesting to see, and always something interesting to buy!!! We hope to see you there too.

The club is still preparing for our 50th Anniversary celebration. Plans are coming along nicely to recreate Father Murgas' overland wireless transmission from Wilkes-Barre to Scranton. Dr. Nathaniel Frissell W2NAF has invited us to populate the display cases in the Loyola Science Center to honor Father Murgas, the Murgas Amateur Radio Club, W3USR, and amateur radio in general. If this is something that sounds interesting to you and you would like to participate let me know.

Enjoy your July and of course, enjoy the great hobby of amateur radio!!!

de KC3TLC

I hope all of you are enjoying the summer weather that finally appeared. The weather appeared just in time for Summer Field Day coming up this weekend June 28-29th at the Lehman EOC from 2 PM Saturday to 2 PM Sunday. I'm sure all of you are familiar by now with that facility as we have used it for several years now. We will have lots of food and good company. I hope you will come out to operate and spend some time with your fellow MURGAS ARC members.

Also coming up is the Hamfest on July 6th. We need members to come out and help.

Planning continues for the November anniversary celebration of the formation of our club and the first overland transmission of Radio by Father Murgas in 1905. The event will be held on Saturday, November 15, 2025 at the Alley Building of Kings College and at the University of Scranton's Radio Room in the Loyola Science Building. The reenactment will begin at 1:00 PM and will be followed by a reception and open house at the Murgas Room at Kings College and the W3SUR Radio Room at the University of Scranton. Please remember to put that on your calendars. It's important for all of us to attend.
Enjoy the summer weather.

COMING EVENTS

ARRL Field Day
This year the ARRL Field Day will take place on June 28th and 29th at the Back Mountain EMA Building located at 3593 State Route 118 in Dallas. The Murgas Club will operate two stations -one station on SSB and one on CW. Antennas will be switched between the two stations. There will also be a VHF station and a GOTA station. Set up will Saturday morning, June 28th beginning at 10AM. Food, snacks, and water will be provided. Come out and see what Field Day is all about.

MARC Hamfest
The MARC Hamfest is scheduled for July 6th, 2025. Herb K2LNS has 50/50 tickets available, so please try to sell a few. Help is needed with food, parking, admissions, and the club table. Beginning at 10 AM, FCC exams will be given, so VEs are asked to participate. Please make plans to attend and lend your support in any way hat you can.

Father Murgas Reenactment
A reenactment of Father Murgas' first overland transmission will be held on November 15 at King's College and the University of Scranton. The board of directors is looking for club members to participate in the planning and carrying out the recreation. See Tom W3TRM's column for information about the display cases at the University of Scranton.

POTA
The idea of having a Parks on the Air event in August was briefly mentioned. Further discussion will take place at future meetings.

CLUB NEWS

Condolences
The Murgas Club extends condolences to Tony Piotrowski N3DAP on the recent passing of his mother, Lorraine. Lorraine was a graduate of Mercy Hospital School of Nursing and worked in local hospitals. For many years Loraine played centerfield for the Plymouth women's softball team and loved to read and crochet.

Area Hamfest Calendar

This is a list of area Hamfests. More information can be found on the ARRL website.

Date	Name	Location
July 5	Firecracker Hamfest	Harrisburg PA
July6	**Murgas ARC**	**Plains, PA**
July 13	Sussex County NJ Hamfest	Augusta, NJ
July19	Batavia Hamfest	Alexander, NY
July 20	Somerset County Hamfest	Somerset, PA
July 26	NJARC Hamfest	Wall Township, NJ

Did You Know?
The first time the Murgas Club ventured into a hosting a hamfest was in 1981 when the Broadcasters ARC asked the club to assist them with their hamfest for a share of the profits. The next year the two clubs again shared profits, but this time the Murgas Club received more profits, because they had done a larger share of the work. The third year Murgas ARC held the hamfest on its own. There has been a Murgas Hamfest every year since, except in 2020, when it was canceled due to COVID. Previous locations for the Hamfest were the parking deck at what is now Boscov's, Pocono Downs, the Kingston Armory, Coal Street Park, the Luzerne County Fairgrounds, and The Polish American Veterans Club, which is our current location,

MARC MINUTES
Monthly Club Meeting
For June 2025

The monthly meeting of the Murgas Amateur Radio Club was held on June 4th, 2025. President Tom Mayka W3TRM called the meeting to order at 8:03 PM. Nineteen (19) members were in attendance. There were no upgrades or call sign changes noted. Guest was Robert Ecklund of Scranton who just passed his Technician exam.

Alex K3EAM reported he had participated in the Ultra Marathon in Central Pennsylvania and that he worked the same location WN3LIF had covered. He said it was a rainy cold weekend.

Herb Krumich K2LNS reported on the club's finances. Dave KC3HLQ motioned to approve the report. WA3RA seconded the motion. The report was approved.

The secretary, Rick Rinehimer K3TOW, reported no correspondence.

Committee Reports:
VE Team - 1 successful new Tech at the exam session before the meeting. No exam before the July meeting, all VE Hands on deck for the Hamfest.

Ham Fest – July 6th all members should help. Help needed in the food area and help parking/organization in the flea market. Herb K2LNS has 50/50 tickets available for members to sell.

Field Day - Last weekend in June, 28th and 29th. Back Mountain EMA building. We think we have a pretty good plan – 2 HF stations, VHF station, and a GOTA station are planned. Anyone who would like to come and work CW is invited. Setup will start around 10AM. Food and drinks are available. Stop by for a while and operate.

Old Business:
A donation to remember Jerry Rodski, K3MKZ was discussed. Sue N3RMX contacted Jerry's daughter Amanda (KB3DTY) who would like Jerry remembered by a scholarship given to someone that is furthering their education. The Board of Directors will further discuss this idea.

Tom W3TRM stopped by the Murgas Room at King's. Tom says the towers may not fit in the room but there are other possibilities. Bill WA3RA asked if the towers could be used at the University of Scranton display. Nathaniel W2NAF has requested the club's help with a display at the University through the fall. Tom needs content and equipment related to Father Murgas. Anyone who wants to help can contact W3TRM.

New Business:
It was asked if we wanted to hold a July meeting because of the holiday and all the activities. It was decided to meet on July 2nd at our normal time.

Announcements:
Herb K2LNS reminded members of the digital contest held the first weekend in June and the June VHF contest 6/13 -14. Herb will be operating at the Stairville Cemetery and welcomes visitors to see his setup in his van.

Bill WA3RA explained that some images in his MARC Times article may not be visible to some in the first posting. They are available on the Group.io page in the Files\MARC Times section.

Jonathan KC3EEY provided an update on the funding for the VLF project he is working on. They have received a grant to allow them to produce multiple units and begin deployment. The first system will be located at an observatory in New Jersey.

The Murgas Board of Directors meeting will be held on June 18th at 7:30 PM. The meeting is held in Luzerne County EMA Building in Wilkes-Barre.

The next monthly club meeting will be held on July 2nd at 8:00 PM. The meeting is held in the Luzerne County EMA Building in Wilkes-Barre.

With no further business, the meeting was adjourned at 8:38 PM.

Respectfully submitted,
Rick Rinehimer K3TOW, Secretary

Board of Directors Meeting
June 2025

The monthly Board of Directors meeting of the Murgas Amateur Radio Club was held in the Luzerne County EMA Building and via teleconference on June 18th, 2025. President Tom Mayka, W3TRM called the meeting to order at 7:30 PM. Directors present were Herb Krumich - K2LNS, Rick Rinehimer -K3TOW, Elaine Kollar – K3VQR. Amanda Rodski, KB3DTY, daughter of SK Jerry Rodski, K3MKZ was also at the meeting.

The Board along with Amanda discussed a way to memorialize Jerry, who was a longtime member, Past President, and participant in the K3YTL Red Rock VHF Contesting group. Amanda told the Board that Jerry wanted some of his estate to fund a scholarship at King's College. After some discussion, Amanda and the Club will contact King's to see if something can be arranged. Since the Foundation for Amateur Radio is no longer coordinating scholarships, this may be a good home for the Murgas ARC N3FA Memorial Scholarship to go. The Scholarship would be made available with preference to an Amateur Radio licensee in the Engineering or Computer Sciences areas of study.

Tom W3TRM mentioned that a group of Boy Scouts will be visiting Field Day. He researched what would be necessary for them to obtain their merit badges. To be a merit badge counselor needs a multi-page application and a background check. Tom is willing to apply if there is a need to do so.

Elaine K3VQR has the food for Field Day set.

Herb K2LNS reported a generous donation to the Club for door prizes at the Hamfest-two complete weather stations.

The next monthly club meeting will be held on July 2nd at 8:00 PM. The meeting is held in the Luzerne County EMA Building, and also via teleconference on FreeConferenceCallHD.com.

With no further business, the meeting was adjourned at 8:20 PM.

Respectfully submitted,
Rick Rinehimer K3TOW, Secretary

de WA3RA

July. Field day is behind us, Independence Day and the ham fest are coming up, and then the long hot summer. I hope everybody gets a chance to get out and play some radio!

This month we are going to look at some esoterica, trivia as it were. We are going to look back around 100 years or so. It is a time of transition in ham radio, as we move from spark to CW.

Before tubes were a thing, a spark gap was the easiest way to generate radio signals. The design and operation were pretty straightforward. A capacitor and inductor were connected in series, and fed to a pair of electrodes that had a short space between them. This interelectrode space was called a spark gap. The capacitor (condenser) was charged by a high voltage supply. When the voltage reached a high enough level, it would jump the gap across the electrodes for a short period. The condenser would quickly discharge through the spark gap at a very high current. The inductor would cause a fly-wheel effect causing the condenser to be completely discharged and then charge back up in the opposite direction. The flow then reversed and the process would repeat. As long as the spark lasts, a current flows back and forth through the spark gap and the inductor, then to and from the condenser, alternating in direction with a the frequency determined by the values inductance and capacitance. This created a radio frequency "ringing" effect, at our desired frequency (a WIDE frequency, hundreds of kHz, unlike today's 300 hertz code signals). This back-and forth would happen perhaps forty or fifty times during a short period of time, with each back and forth just a little weaker due to the resistance inherent in the system. A spark signal was known as a *damped* wave because of this constant energy fall-off. The condenser would then be recharged by the high voltage supply and the process repeated, over and over again. The spark transmitter creates a series of bursts of RF current, one each time a new spark is formed. Depending on the LC pair and the size of the spark gap, hundreds to thousands of these bursts would be produced over a given second, determining the frequency of the transmitted signal.

Early on, the ham would simply break the circuit after the gap and send the oscillations off the "ariel". If we think about that, this makes the antenna an active part of the LC circuit. If the breeze moved the antenna wire, the capacitance would change and so would the signal frequency. As time went on, it was realized that we could use a fixed inductance on the transmitter side, and use a transformer to inductively couple the antenna into the oscillator circuit. This meant that the transmitter looked into a fixed load. The antenna no longer was a part of the oscillator circuit, and it no longer had a great effect on the frequency or stability of the transmitter.

The problem with these transmitters, of course is that they were noisy, the signal was coarse, the signal was as broad as a barn door, and there were hundreds of them all going on at the same time. The bands in those days, especially given the state of receivers, must have been bedlam.

In the early 1920s, tubes began to be available (if not affordable) and the simple Colpitts oscillator had been designed. The drawback was that while power tubes were available, rectifiers were not.

What was a ham to do? Obviously, we did not want to destroy an expensive tube trying to run it on straight AC (not a problem for the spark crew since that is how spark transmitter worked) but a major consideration for the wannabe CW operator. Along came something called a “slop jar”.

The slop jar rectifier consisted of a series of drinking glasses, filled with a solution of Borax and water. An electrode was placed on each side of the glass, one electrode being aluminum and the other consisting of lead. High voltage AC was supplied to the bank of glasses for a period of time that would allow a very thin coating to build up on the electrodes. The circuit would then be used until the coating became too thick. This would cause the current to rise, heat to be generated, and the nasty chemical solution to boil over. The hapless amateur would then usually need to replace the aluminum electrode. This was no small expense, since there may be 50 to 100 of these drinking glass combinations. Efficiency was never more than about 50%. And other interesting fact about these open rectifiers was that when high current was flowing through them they would glow with a soft purple light. Imagine a hundred -five cent drinking glasses lined up on your shack counter all sitting there flashing purple every time you hit your key!

They were smelly, and rather evil, but they were successful high-voltage rectifiers. By the end of the decade rectifier tubes were available if a little pricey.

Here is an interesting piece of trivia: 100 years ago, where did the average ham, especially one living in the country, find the equipment he needed to create his station? It goes without saying that much of the station was built by hand but you still needed parts for these builds.

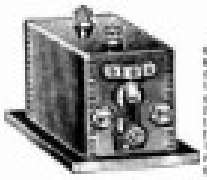
The answer – Montgomery Wards! Yep, that Montgomery Wards. Take a look at the included images with this month’s article to see some of the parts available in 1920. A world-class spark transmitter could be built with parts bought out of the catalog. They always carried a full line of receivers, under The “Airline” brand. Excellent amateur receivers as well as household receivers were carried right up into the 1970s! Montgomery Ward also had a close relationship with Hallicrafters, their nearby Chicago neighbor. Many pieces of equipment were designed for Wards by Hallicrafters. The Hallicrafters HT-2 transmitter was actually designed for and exclusively sold by the store before it was available directly from Hallicrafters themselves.

I suppose I have blathered on long enough about this interesting time in ham radio.

We will return to some of these ideas later, in the meantime have a great summer!

de WA3RA

Spark Transmission Apparatus



Wireless Spark Coils

These coils are carefully constructed and operate successfully on either dry cells or storage batteries. The vibrator is of original construction and gives a quick, even tone. The necessary primary resistance is enclosed in the base and is of correct size for proper operation. Properly adjusted, the half-inch coil has a sending radius of from 2 to 3 miles, the one-inch coil 6 to 10 miles. Amateurs will appreciate the efficiency of this economically priced spark coil. Shipping weights, 6 and 9 pounds.

63 J 5126—Half-inch coil $4.85
63 J 5127—One-inch coil 6.95

Spark Coil Transmitting Condenser

Designed for use with spark coil sets, dielectric of five 5 by 7 glass plates. Mahogany finished case. Permits working on 300 meter wave. Shipping weight, 3 pounds.

63 J 5340 ..... $1.48

Zinc Spark Gap

For use with spark coil transmitters. Base is molded composition. Metal parts are plated and polished. Can be used with coils up to 4 inches. Shipping weight, 2 pounds.

63 J 5350 ..... $1.10

Radiator Spark Gap

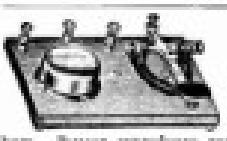
Micrometer adjustment. Electrodes of zinc. Cooling vanes aluminum. Metal parts nickel plated. Heat-glazed porcelain. Will handle over 1 K. W. Ideal for use by amateurs constructing their own spark transmitting sets. Shipping weight, 2 pounds.

63 J 5351 ..... $2.30

Murdock Oscillation Transformer

Permits sharp tuning on 200 meter wave. Can be used on sets up to 1 K.W., primary and secondary windings of edgewise-wound copper ribbon. Coupling varied by lever. Rugedly built to withstand hard constant usage. Very efficient part for amateur sending stations. Shipping weight, 3 pounds.

63 J 5155 ..... $4.75



Wireless Practice Set

Anyone learning wireless telegraphy transmission must know the code. Send for a wireless practice set and see how easy it is to learn the code. Set consists of a key and buzzer mounted on a polished wood base. Buzzer reproduces accurately the high pitched sounds of wireless code stations. Connect a dry battery to the binding posts on the set by means of a short piece of wire, press the handle of the key and buzzing sound will be produced. In a very short time your ear will become accustomed to the various combinations of dots and dashes representing different letters and passwords. Practice until you can understand the signals at the speed sent by amateur stations and you have conquered the most difficult part of wireless telegraphy. A very good way to learn the code quickly is to place two of these sets in separate rooms with an operator at each set, and practice sending signals back and forth. Chart included with each set. Base size, 7 by 4½ inches. Shipping weight, 3 pounds.

63 J 1750 ..... $1.79

Learner's Code Chart

Explains how to learn the code by the sound method, which is recognized as the correct way. With the aid of this chart you can learn the code faster and more thoroughly. A copyrighted system that gives fast sure results. Printed on durable oilcloth in convenient pocket size. Shipping weight, 2 ounces.

63 J 1751 ..... 48¢

Professional Telegraph Set

Regulation instrument used by professional operators. Sounder and key mounted on polished wood base. Frame of sounder polished brass with quadruple lever and hard rubber covered magnets. Key polished brass frame with steel lever, hard rubber knob and finial, bronze adjusting bolts. Unmounted. Shipping weight, 3 pounds.

63 J 1732—4-ohm resistance set $2.78
63 J 1733—20-ohm resistance set 3.98

Amateur Telegraph Set

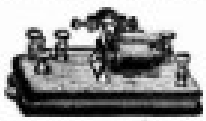
Full size key and sounder, mounted on polished oak base. A good instrument for beginners. Price includes up-to-date Operator's Manual containing Morse code; instructions for telegraphing, and other information. Shipping weight, 2½ pounds.

$2.65

63 J 1718—With 4-ohm sounder $2.65
63 J 1719—With 20-ohm sounder 2.98

Pony Relay

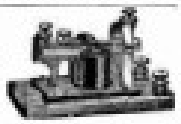
A relay working in conjunction with each instrument will improve the efficiency of any telegraph system, when several instruments are connected on the same line. Also used on burglar alarm systems. Finely finished. Made of high grade materials. Shipping weight, 2¼ pounds. Resistance, 20 ohms.



63 J 1745 ..... $3.35

Sounders

Sounders same as used on our professional combination set. Shipping weight, 10 ounces.



63 J 1735—4-ohm sounder $2.30
63 J 1737—20-ohm sounder 2.50

Electric Bell Ringing Transformer

Attach transformer to regular lighting wires. Makes current suitable for door bells, buzzers, annunciators or door openers. Registers on meter only when current is used. Produces three voltages—6, 8, and 14. Operates on alternating current of 100 to 120 volts, 60 cycles. Lasts a lifetime. Working capacity, 25 watts. Transformer only, without bell. Shipping weight, 2 pounds.

63 J 5921 ..... $1.15

Electric Bell

Nickel plated door-ringing gong. Operates on single ordinary dry cell or from bell-ringing transformer. Very sensitive. Built to last for years. Coils carefully protected. Japanned iron box. Shipping weight, 9 ounces.

63 J 5945—2½-inch gong ..... 48¢
63 J 5947—3 -inch gong ..... 53¢
63 J 5949—4 -inch gong ..... 71¢
63 J 5950—2½-inch gong to operate direct from 20-30 volt current ..... 72¢

Insulated Bell Wire

63 J 5960—Single conductor. Size 18. About 180 feet to the pound. Shipping weight, 1 pound. Per pound ..... 50¢
63 J 5962—Double conductor. Size 18. Two insulated wires twisted. About 65 feet to the pound. Shipping weight, 1 pound. Per pound ..... 55¢

Push Buttons

Nicely finished wood push button suspended center. Positive spring contact. Shipping weight, 1 ounce.

63 J 5932—Each ..... 9¢
63 J 5936—Dozen ..... 80¢

Insulated Staple

For fastening wires to wall. Insulated saddle eliminates danger of short-circuiting. Height, ⅝ inch. Shipping weight, 2 ounces.

63 J 5932—Per 100 ..... 20¢

Spark Transmission Apparatus

On pages 26 and 27 are shown a complete line of spark transmission apparatus using either batteries or 110-volt 60-cycle A. C. as the source of power. Spark transmission was the original method used for sending code, and the apparatus used is very simple when compared to that used with the modern transmission methods. Suitable for instruction and experimental use for schools, colleges, etc.

Thordarson Type R Transformer

For use on 108 to 115-volt 60-cycle alternating current. Provided with adjustable magnetic leakage gap which controls primary input, giving a wide range of amperage and permitting easy adjustment. No impedance or choke coil necessary in primary circuit. This transformer has some wonderful long distance records and has given general satisfaction to amateurs for years. Works best when used with rotary spark gap producing about 500 sparks per second. Shipping weights, 33 and 55 pounds.

Article Number	K.V.A.	Amperage	Sec. Volt	Price
563 J 630	½	1 to 6	10,000	$21.00
563 J 632	1	2½ to 14	25,000	38.00

Thordarson Type RS Transformer

This type differs from the well known model shown above except in that it does not have the adjustable magnetic shunt. All other features of sturdy, compact construction and correct electrical characteristics are the same. For use on 108 to 120-volt 60-cycle alternating current.

Article Number	K.V.A.	Sec. Volts	Shipping Weight	Price
563 J 633	½	[illegible]	[illegible] pounds	$10.00
563 J 635	1	25,000	55 pounds	28.50

Kick Back Preventer

Prevents high frequency surges from discharging back into power line. A necessity when power transformer is supplied from city mains. Two 2000-ohm resistance rods. Mahogany finished base. Connections of strip copper. Ship. wt., 4 lbs.

63 J 5355 .... $4.80

Universal Spark Gap Motor

A rugged high grade motor for spark gaps, running sewing machines, fans, small lathes, buffers, emery wheels, etc. Running idle will make 8,000 r.p.m. Will make about 4,000 r.p.m. with electrode shown below. Will operate on 100-125 volt A.C. or D.C. current. Black enamel finish. Height over all, 5½ inches. ¼-inch shaft extends ¾ inch. Will develop about 1/16 H.P. Supplied with 1-inch grooved pulley. Shipping weight, 8 pounds.

63 J 5624 .... $9.50

Variable Transmitting Condenser Oil Immersed

An oil immersed variable condenser for use with all makes of transformers up to 1 K.W., 25,000 volts. Phenol fiber dielectric, corrugated aluminum separators allow circulation of oil to keep down heating. Flat aluminum sheet electrodes with rounded corners. Variable in ten steps of .0002 MF each from .0018 MF to .010 MF. Especially designed to prevent corona losses and brush discharge. Oil included. Shipping weight, 25 pounds.

563 J 620 .... $25.00

Spark Gap Electrodes

Saw tooth rotor, 3½ inches diameter, of machine cast aluminum with bakelite center and brass bushing to fit ¼-inch shaft. Two adjustable stationary electrodes. This set together with universal motor listed above, mounted on a substantial base will make a high grade rotary spark gap. Shipping weight, 1½ pounds.

63 J 5625 .... $4.50

Commercial Type Oscillation Transformer

Designed to give wave ranges both above and below 200 meters. Solid copper windings on formica supports. 10½ inches diameter primary of six turns No. 3 wire. Secondary is 8½ inches diameter of twelve turns No. 5 wire. Mahogany finished woodwork. Two helix clips included. Ship. wt., 20 lbs.

563 J 638 .... $16.50

New Style Antenna Switch

A large, sturdy, well built "change over" switch suitable for use on sets up to 1 K.W. Mahogany finish base. Improved support, copper blades. Fitted with third blade to disconnect receiver when sending. Our price on this article shows you a considerable saving. Quick, easy operation. Shipping weight, 3 pounds.

63 J 5114 .... $2.95

Standard Wireless Key

One of the finest keys made for radio work, either spark or C.W. Base lever and supports made of heavy brass in lacquered gold finish. Extra large durably hardened contact points. New style knob. Ship. wt., 1 pound.

63 J 5352 .... $3.48

Improved Model Rotary Spark Gap

Flat pure copper stationary electrodes and cast aluminum rotary electrodes avoid pitting. Width of break is adjustable. Strong breeze generated by rotary electrode quickly quenches spark, thereby allowing transmission of wave of low decrement. All conducting metal is mounted on formica. Easily handles 40,000 volts without endangering motor windings. Constant steady speed. Shipping weight, 10 pounds.

½ K.W. size; 1/16 H.P. Universal motor. For 108 to 115-volt current. Speed 4,000 r.p.m.

563 J 5142 .... $14.80

1 K.W. size; 1/16 H.P. Universal motor. For 108 to 115-volt current. Speed 5,000 r.p.m.

563 J 5143 .... $18.95

Double Action Wireless Key

Double action which makes for speed. Will improve your sending and lends individuality. Large standards, formica knob, heavy silver contacts suitable for use up to 2 K.W. Mounted on durable and heavy formica base. Metal parts nickel plated. Shipping weight, 1½ pounds.

63 J 5356 .... $4.65

Steel Lever Keys

Steel lever and switch strip are heavily nickel plated and buffed. Black composition knobs on switch and key. Shipping weight, 14 ounces.

63 J 1739—Leg key with legs to go through table or desk $1.85

63 J 1741—Legless key to screw to top of table or desk $1.97

Montgomery Ward & Co. All merchandise in this catalogue shipped from Northern Illinois 27

Editors Notes

I would like to thank all those who have contributed articles or information to this issue and encourage other members to submit articles for publication. Sharing your knowledge or experience makes our newsletter informative for others. Articles may be submitted at marctimes@murgasarc.org

46th Annual Wilkes-Barre, PA

Murgas ARC – K3YTL

Gates Open 8AM

Rain or Shine

Vendor Setup 6AM

Hamfest

and Computerfest

Sunday July 6th, 2025

Near I-81 Exit 170B and NE Ext of PA Turnpike - Easy Access from Rt 309. *Near Mohegan PA Casino & other major Hotels.*

Polish American Veterans
2 South Oak Street, Plains PA

GPS Users enter "2 Oak Street, Plains, PA, 18705"

GPS Coordinates: 41.273818 / -75.836817

Talk-In: 146.610 (-) PL: 82.5

Buy/Sell * New/Used
Radio, Computer, and Electronic Equipment
****

Admission: $10 At Gate
(Includes 1 *Free* Tailgate Space Per Vehicle!)
XYL & Children Under 16 Free

1 *Free* Tailgate Space Per Vehicle!
Additional Tailgate Spaces $5.00 Each
Pavilion Tables - $10 each on a first come first served basis.

Door Prizes!

ARRL Table

http://hamfest.murgasarc.org

For More Information:
Herb (K2LNS) 570-829-2695
http://hamfest.murgasarc.org
email: murgasarc@gmail.com
Murgas ARC
1202 Gemini Street
Nanticoke, PA 18634
NO Overnight Camping Available

ARRL VE Exams

Testing Begins At 10AM

No Preregistration required.
Walk-ins Preferred.
Testing Fee at current ARRL rate.
New Technician Candidates **MUST** have an FCC FRN. Upgrade candidates **MUST** have a copy of their current license or CSCE. All candidates need a photo ID.

CLUB MEETING

Wednesday, July 2, 2025 at 8:00 PM
Meeting will be held at the Luzerne County EMA.
A conference call option is also available. Details to call in will be emailed.

BOARD MEETING

Wednesday, July 16, 2025 at 7:30 PM
Meeting will be held at the Luzerne County EMA.
A conference call option is also available. Details to call in will be emailed.

MARC Times Submissions

Articles for the August newsletter are due by July 27, 2025.

Email to marctimes@murgasarc.org

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