

# The RaRa Rag

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SEPTEMBER 1977

NO. 1

## The President's Corner

by Ed Gable, K2MP

It is my pleasure to welcome you all to another year of activity by the Rochester Amateur Radio Association.

For many of you this is the first issue of the RaRa Rag, our monthly publication and official organ for the association. This September issue is mailed to every licensed amateur radio operator in the Greater Rochester and surrounding county area. It is our way of reaching out to all of you and introducing ourselves to newcomers and to welcome back you OT's.

The Rochester Amateur Radio Association is a truly dynamic organization of some 681 members. RaRa holds monthly meetings from September through May of the following year. In the month of June we have our annual picnic. No formal meetings are held in July and August. The monthly meetings this year will be held on easy to remember first Friday of each month.

The only exception is our September meeting on the 9th to avoid the Labor Day Holiday. At each meeting an interesting amateur related program with guest speakers follows a brief informational and business session. Then we continue with our awards and close with lots of rag chewing over refreshments.

RaRa, however, offers a lot more than these splendid meetings and the RaRa Rag. Throughout the year we offer Amateur Radio Licensing Classes, a dinner-dance in February, the Rochester Hamfest and New York State ARRL Convention in May, a club station and mobile van, K2JD, located at 350 East Henrietta Road, a RFI Committee, and on-going public service communications working closely with the county, Red Cross and CD officials.

RaRa is affiliated with and strongly supports the ARRL. Also RaRa has two very active affiliates, the Rochester VHF Group and the Rochester Radio Repeater Association.

This year the Board of Directors has dedicated themselves to the upgrading of our club station facilities. Stress is being placed on better OSCAR capabilities and an expanded operating schedule.

Therefore, if you have any spark of interest in amateur radio, RaRa has something for you. Come on down and see. 73 for now.

Novice and General Course starts Monday, September 19th. Openings still available for General. Novice is already filled.

## September 9th Meeting

by Lotta Keyclix, AKA WA2ZNC

This month starts the RaRa year. Our books, insurance, programming, and Rag, all come to life, with somewhat of a great exuberance. My task this new season will be to arrange for a program, for each of our monthly meetings. This job is a lot easier than it sounds, I think! Our club has great depth of diversified and qualified intellect and talent!! If you know of a subject that you think the membership would like to hear about, please let me know. Anything from your job, a project, or a "DX" pedition, are all fair game for this group. The meeting nights that are already confirmed (I think an old, old timer would say Hi, Hi there) are September, 1977 (FCC night), October, 1977 (RaRa Auction), December, 1977 (Kodak night), and April, 1978 (AWA). The year ends in June, 1978 with a club sponsored picnic.

The September program will present Mr. Richard Holbert. He is the Engineer in Charge of the Canandaigua FCC monitoring facilities. This non-formal program will be presented in a question-and-answer format. We ask, he answers. Dick is also a RaRa member, with the call WA2OXJ.

The FCC has made a great many rule changes recently and more are proposed. I would assume a few of us would have trouble passing a novice question exam, with today's new rules, if we have not looked at a license manual for 1977. (Do you know how old a general or higher class amateur has to be to be eligible to administer a novice exam?)

I hope to see a good turnout for our first meeting. There are over 600 paid up members in our club now. As usual, we will be at the Farm and Home Center, 249 Highland Avenue, on Friday, September 9, at 8:00 p.m. Talk in via 2 meter repeaters, any of them.

## LETTERS

Dear Friends:

Thank you so much for your gift of two books in memory of Robert S. Shorey. Amateur radio and radio history are popular subjects, and the books will be much used by our patrons.

Sincerely yours,  
Judith Prevratil, Head  
Science and Technology Division  
Rochester Public Library

# The RARA RAG

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INCORPORATED

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# ROCHESTER VHF GROUP

The first meeting of the season, for the VHF Group will be held at 8 p.m. on September 16th at the RF Communications, 1680 University Avenue. The program will be "Expedition to Delaware" featuring a 35mm slide show.

Among the programs this year will be sessions on low noise pre-amps and transistor power amplifiers. Transistors will be made available to interested builders.

The VHF bands have been open this summer and the September QSO Party is the 10th and 11th of September, rules in QST for August, 1977.

See you Friday evening, September 16th.  
Floyd A. Koontz, WA2WVL



Delaware has always been sought after, even for those in the "dc bands". Did these thirteen hams (for luck!) find Delaware? Did they succeed in putting Delaware on the VHF map? Come to the Farm and Home Center on Friday the 16th, see the survivors, hear this great war story.

## Club Jackets

Club Jackets will be available again this year.

There are three styles -  
Winter Lining     \$16.95  
Spring and Fall   \$13.50  
No Lining           \$11.95

Winter lining orders must be in by October meeting. Jackets without lining will be available after January 1978. Spring and Fall lining will be available throughout the year. To order - contact Ed Holdsworth, WA2EKR.

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# REPEATER NOTEBOOK

by Ron Jakubowski, K2RJ

The following is a compilation of Rochester area repeaters and those commonly accessible from good locations in the Rochester area.

16.04/64	WR2AIU	Weathersfield
07/67	WR2ACU	Rochester
10/70	WR2AFV	Rochester
13/73	WR2AON	Newark
13/73	WR2AER	Grand Island (Buffalo)
16/76	WR2AFF	Groveland
19/79	WR2ABF	Rochester
22/82	WR2ADH	Victor
22/82	WR2ACJ	Lockport
25/85	WR2ADF	Oswego
28/88	WR2AEI	Rochester
28/88	WR2ABO	Rome
31/91	WR2AEC	Syracuse
31/91	WR2ABU	Buffalo
34/94	WR2AET	Bristol
37/97	WR2ABD	Ithaca
40/147.00	WR2AHG	Owasco (Auburn)
46/147.06	VE3RPT	Toronto
147.69/09	WR2AFJ	Rochester
72/12	VE3OSH	Oshawa
75/15	WR2ADF	Oswego (closed repeater)
81/21	WR8AGN	Skaneateles
84/24	WR2AKY	Rome
87/27	WR2AEY	Auburn
222.30/224.90	WR2AHL	Rochester
449.00/444.00	WR2AHP	Buffalo
9.10/444.10	WR2ABS	Binghamton
49.25/444.25	WR2AHN	Rochester
440.40/444.40	WR2AOX	Rochester

NOTE: First frequency listed is the mobile transmit frequency (repeater input) and the second frequency is the mobile receiver (repeater output)

1977-78 ARRL Repeater Directories will be given - free - to all attending the September 9 RaRa meeting.

## NOTICE

The closing date for articles, letters, want ads, advertising changes. For the next issue (Oct.) of RaRa Rag is September 15th. All material should be directed to Dwight Hill, K2KWK, 265 Norcrest Drive, Rochester, NY 14617.



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## New Directory Available - - - At October Meeting

For quite a few years, one of the benefits of belonging to RaRa was the receipt of an updated Directory of local amateurs when your dues were paid.

Because there have been so many new amateurs added to our ranks over the past summer, it has been decided to wait until the October meeting to have the Directory available. This will give us an opportunity to get the Directory updated to be more useful for the upcoming winter season.

You may still pay your dues for the new season at the September meeting. A special list will be created so that those who have paid will receive a copy of the Directory at the October meeting without any hassle or waiting.

## Bulletins on Two Meter FM

by Dwight Hill, K2KWK

Each Sunday evening at 8:45 p. m. bulletins are sent by K2KWK, Official Bulletin Station for the American Radio Relay League. Frequencies are the 146.79 mhz WR2ABF and 146.88 mhz WR2AEI Rochester repeaters. Transmissions alternate each week from one to the other frequency coinciding with and preceding the Monroe County FM Net on those frequencies at 9:00 p. m.

Material being sent includes ARRL Official Bulletins, W1AW Code Practice Schedule and Text references for checking copy, ARRL Operating Events (selected), Local bulletins and events upon request or notification, also selected excerpts from "HR REPORT". Pauses are made between bulletins to allow emergency priority traffic if necessary. Bulletins of more immediate interest will be sent as often as practical.

## Transmitter Hunt Planned

The next RRRR Transmitter Hunt is scheduled for September 25th. As usual the starting place will be on top of Cobbs Hill at 2 p. m. sharp. The frequency will be 146.52 mhz.

At the last hunt in July the happy winner was Will Herzog, K2LB. Ed Gable, K2MP, and Ron Jakubowski, K2RJ, were hiding smack in the middle of downtown Rochester on the seventh level of the Sibley's Parking Ramp. K2LB will now become the bunny.

Everyone is welcome to join in on the fun. Will promises a fine hunt.

SELL - NCL-2000 Linear \$600; SB-610 Monitor scope \$95. C. Brelsford, K2WW, 244-9519.

FOR SALE: Rohn Tower Sections. 290 feet of galvanized, welded steel construction, requires guy wires. Ten foot sections available for \$2.00/foot. Contact Richard Jank, WB2EEU, 1-315-524-8994.

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It's the new Hy-Gain 3806 2-meter, 6-channel hand-held FM transceiver (144-148 MHz). The 2-meter hand-held that takes the high cost out of performance.

The Hy-Gain 3806 is built to out-perform. Out-last. And out-class every other 2-meter hand-held.

It's built tough. Water, dirt and corrosion are sealed out by the specially gasketed case. The speaker/microphone grill is engineered to prevent direct entrance by water. Even changing the power pack in the field won't diminish case integrity. The power section is separately sealed. So you never expose the circuitry.

The high-impact ABS case is extra tough. And ribbed for a sure, non-slip grip. The controls are up front. And easy to operate. There's volume. Squelch. 6-position channel selector. Transmit LED indicator. A meter that indicates battery condition on transmit, signal strength on receive. And a separate power switch for positive on-off.

There's a telescoping antenna that collapses completely into the case. Or you can use our 269 flexible antenna for extra convenience. And there are jacks for use with external antenna. Ear-phone. And external 12 VDC.

The 3806 has the kind of guts that have made Hy-Gain products famous throughout the world. Its receiver section is superior

dynamic range. For superb adjacent channel rejection, the 1st mixer is followed by a monolithic crystal filter. And the 2nd mixer by an 8-pole ceramic filter.

A frequency multiplication factor of 12 allows you to use thicker, high stability crystals (one set of 146.52 simplex crystals supplied). Audio is enhanced through use of separate speaker and microphone elements. And there's an internally adjustable mic preamp. Something you won't find anywhere else.

The Hy-Gain 3806 hand-held is backed by a complete line of superb accessories. Including AC and DC chargers. Carrying case. External antenna adapter cable. And a bicad power pack that's so over-engineered you won't over-extend it. Even in the most adverse conditions.

The pack is completely sealed in its own tough ABS case. Protected against over-charging. And contact shorting. It has 30-40% more in-use capacity than competitive units.

Soon we'll have a Touch-Tone™ pad available for the 3806. It'll fit flush in the back panel. Because we designed it specifically for the 3806.

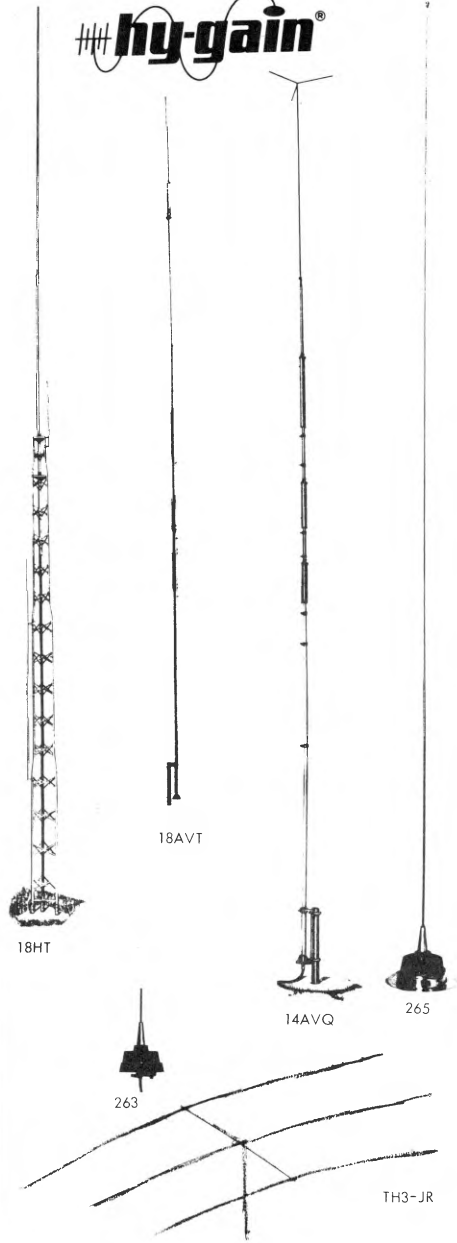
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to everything else for the money. It has sharply tuned, on-frequency selectivity in the RF amplifier circuit. Two MOS-FET RF amplifier stages. Plus MOS-FET's in the 1st and 2nd mixers. They make the 3806 virtually immune to out-of-band signals. Intermodulation distortion. And cross-modulation. So you get truly incredible

Price of the 3806 is \$189.95. Accessories are available. For more information, we'll be pleased to send you a descriptive brochure and price list.

MODEL	DESCRIPTION	PRICE
263	2 Meter 5/8 wave Trunk Mount Whip with Cable	\$ 28.95
265	2 Meter 5/8 wave Magnet Mount Whip with Cable	29.95
269	2 Meter Rubber Duckie Ant with 5/16-32 base	7.00
274	2 Meter Rubber Duckie Ant with BNC plug base	9.00
155	Center Insulator/Support for Doublet Antennas	5.95
156	End Insulator for Doublet Antenna	per pr 3.95
	(Note: One economical source of strong antenna wire is #14 AWG THW pvc insulated electrical wire from your local electrical supply house)	
BN-86	Ferrite Balun for 10-80M Beams or Doublets, 1 kW	15.95
18HT*	Famous Hy-Tower 10-80 M Vertical Antenna	259.95
14AVQ/WB	Trap Vertical Ant for 10-40M	67.00
18AVT/WB	Trap Vertical Ant for 10-80M	97.00
TH-3JR	Popular Tri-band Beam 10-15-20M, 3 elements	144.50
TH-3MK3*	Tri-band Beam, 10-15-20M, 3 elements	199.95
TH-6DXX*	6 element Tri-band Beam	239.95



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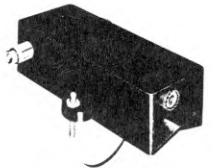
269



155



156



BN-86



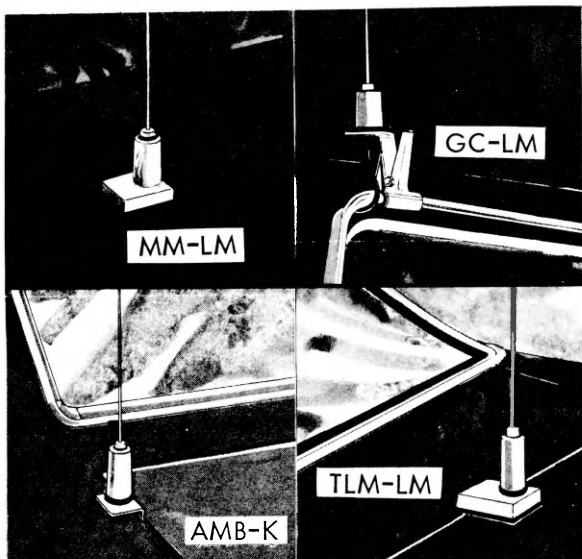
We carry a large inventory of famous Cushcraft vhf antennas for immediate delivery of the popular models listed below. Since we get a shipment of antennas every few weeks, we can even offer relatively fast service on the more exotic models in the Cushcraft line. Most antennas are shipped UPS (parcel post to Canada). This includes all listed below. Smaller antennas have a shipping weight of 3-4 lb. Larger ones weigh up to 20 lb.

If you don't see what you are interested in, we'll be happy to send you a copy of the complete Cushcraft catalog on request. There are many models not shown here because of space limitations. Cushcraft has many other horizontally polarized antennas, colinears, hf monoband and triband beams, etc.

MODEL	KEY	DESCRIPTION	GAIN	BOOM
AR-6	F	6M FM Ringo, 1/2 wave vertical	3 dB*	96 in
A50-5	K	6M SSB or FM 5 element beam	9.5 dB	144 in
A147-4	C	2M FM or SSB 4 element side mt beam. Great for xmtr hunts, links	9 dB	44 in
A147-11	E	2M FM or SSB 11 element beam	13.2dB	144 in
A147-22	E	2M FM 22 element array	16 dB	144 in
DX-120	J	2M SSB or FM 20 el colinear array Also avail in 40 & 80 el arrays	14.2dB	30 in
A147-20T	D	2M FM 10 el vertical and 2M SSB 10 el horizontal, on one boom	12.4dB	130 in
AR-2	F	2M FM Ringo, 1/2 wave vertical	3 dB*	50 in
ARX-2	G	2M FM Ringo Ranger colinear	4.5dB*	96 in
ARX-2K	G	Conversion kit: Ringo to Ranger	+1.5dB	
AFM-4D	H	2M FM Four Pole Colinear, great for repeaters or gain -omni -offset	6 dB 9 dB	23 ft
A220-11	E	220 MHz FM or SSB 11 el beam	13.2dB	102 in
ARX-220	G	220 MHz FM Ringo Ranger colinear	4.5dB*	72 in
ARX-450	G	450 MHz FM Ringo Ranger colinear	4.5dB*	39 in
A449-6	C	450 MHz FM or SSB 6 el sidemt beam	11dB	35 in
A449-11	E	450 MHz FM or SSB 11 el beam	13.2dB	60 in
A449-22	E	450 MHz FM 22 element beam	16 dB	60 in
AFM-44D	H	450 MHz FM Four Pole Colinear -omni -offset	6 dB 9 dB	8 ft

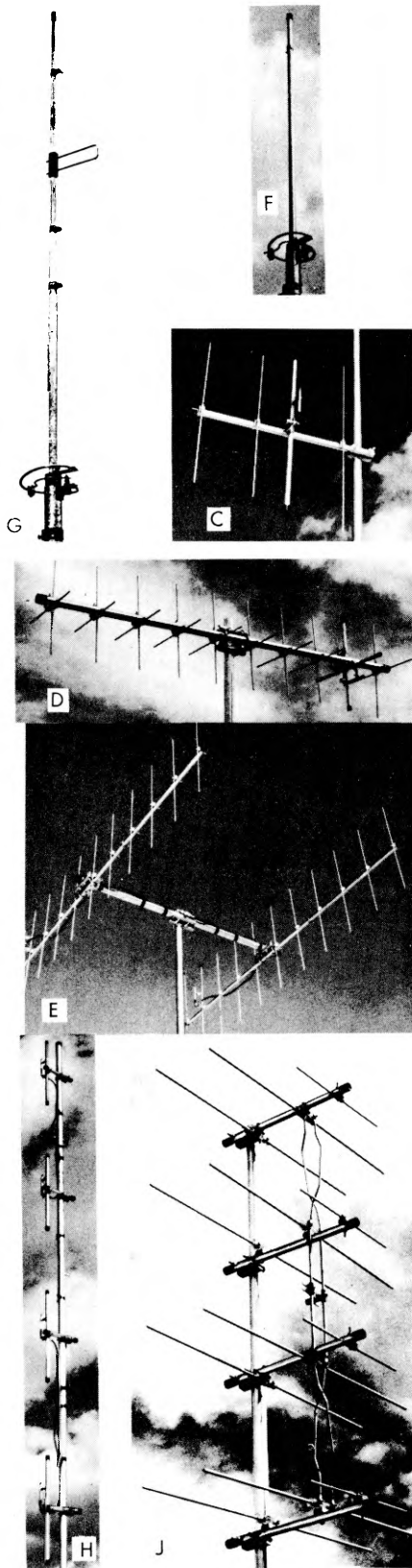


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- LM-450 Colinear 5 dB whip w/ center loading for 450 MHz..... 23.20
- PO-150 5/8 wave, 2 M whip and coil to fit 50-239 UHF Conn.... 25.25
- Q Quarter wave whip for 140 - 470 MHz (cut to length).... 2.60
- MM-LM Magnet Mount Kit Complete with Cable and Conn..... 14.20
- GC-LM Gutter Clip Mount Kit Complete..... 14.20
- TLM-LM Trunk Lip Mount Kit Complete..... 13.70
- AMB-K Trunk Gutter Mount Kit Complete..... 9.85
- LM-K 3/4" Hole Larsen Mount Kit Complete..... 6.20



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## Ham Equipment For Boy Scouts Requested

It has come to my attention, through one of the Scout Counselors at Camp Massawepie, that there is no amateur radio equipment there. Camp Massawepie is located near Piercefild, New York in the Adirondack Preserve north of Tupper Lake. This is entirely a Boy Scout Camp and operated by the Otetiana Council for boys and young men of the Rochester and Monroe County area. Many of you are familiar with Massawepie as campers, parents and relatives, or counselors. I think everyone will agree that this is a well run camp and a very worthwhile experience for all who attend.

Presently there is no ham station at Massawepie. But there are often amateurs who attend the camp as campers, or in the case of my friend - as a counselor. I cannot predict that a ham radio program would develop, that is the realm of the Otetiana Council and the Chief Scout Executive, Mr. Cruse. I can foresee the use of a ham station in the event of a summer weather or storm emergency - especially if it could be operated from 12 vdc vehicle type batteries. What can happen there in the nice summer weather? There are frequent electric storms, causing power and telephone failures. Or an overflowing stream could cut off transportation. When I attended one summer we had a snowfall in July that stuck over a day - just for a change of pace! The initial operators would be the counselors with novice amateur licenses who could benefit from the cw practice. Also, suspect the Scout Council is capable of making good use of equipment for greater benefit if it became available.

My intent here is to ask the area radio amateurs for a donation of equipment directly to the Otetiana Council, 474 East Ave., Rochester, N. Y. (244-4210) for use at Camp Massawepie. I can envision that a hf/ssb/cw station would be more useful than vhf/fm, however each could be utilized. A donation is tax deductible, if the value can be established, which is not a large problem. This would be a fine, appreciated, rewarding contribution, for the 1978 camping season.

Dwight Hill, K2KWK

## Auction in October

RaRa holds an auction every year, usually in November, RaRa will hold an auction this year -- in October, on the 7th at the Fire Academy on Scottsville Road. Start gathering your junque now. Complete details will be in the next Rag.

ILLNESS: Orville L. Potter, WB2FPT, has suffered a heart attack after moving his family to Florida. As of August 11th he is at the Cape Canaveral Hospital. His home address is 498 Brightwaters, Cocoa Beach, Florida, 32931 for those who wish to send him a card or note.

The Rochester Amateur Radio Association is very appreciative of the donation of equipment from Orv prior to his move.

## RaRa Summer Activities

The coming of summer did not call a halt to Amateur activities in this area. May 14 saw the departure of 20 area amateurs for Wellsboro, Pennsylvania where they were joined by 8 local amateurs to furnish communications support for the Susquehannock Trail Pro Rally. This was an over night Rally which covered 375 extremely rugged forest roads in North West Pennsylvania.

Again in July, a group made up of W2PBJ, WB2UTI, WA2EJU, WA2UTG, K2MP, WB2FGY, K2SQI, WB2IEY, WA2UGE, WB2SNA, WA2IMQ, and WA2EKR again ventured into the woods. This time it was the Western New York Equestrian Championships sponsored by the Mendon Pony Club. This event was held in Victor, New York and our primary function was safety communications with any other communications necessary to the smooth operation of the event as a secondary function. This was a first for us since we were involved with horses rather than horse-power.

The group will again be out on August 28th for the Annual Charity Road Rally sponsored by the Triumph Touring Club of Rochester. This event will be a 65 mile rally starting at the Genesee Regional Market and ending at the Craig Hill Country Club in Brockport.

These events are excellent training exercises for all operators that participate. If you have never become involved in this type of operation, the first time out will find you much better prepared to pack up your gear, travel a hundred miles and be able to operate for an extended time under conditions something less than ideal.

If you are interested in joining in, contact any Officer or Board member and perhaps the next time we journey to the woods or mountains you will be able to join us.

QST Magazine is available to the blind and handicapped on magnetic tape, from the Library of Congress. Division for the Blind and Handicapped, Washington, D. C. 20542.

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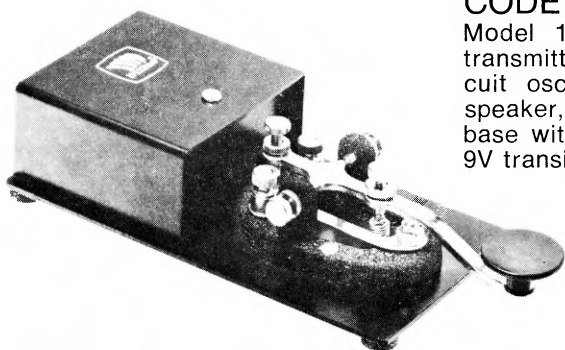
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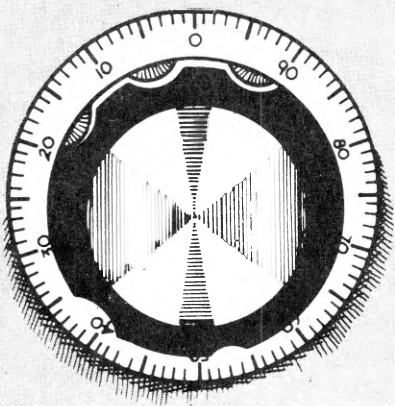
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