



# the RARa RAG

Published by

**ROCHESTER AMATEUR RADIO ASSOCIATION, INC.**

Rochester, N.Y.

JUNE 1984

Volume 36 No. 10

## HAMFEST BEST YET ! ATTENDANCE NEARS 10,000 117 TAKE EXAMS K2RJ NAMED HAM-OF-YEAR

A record crowd of nearly 10,000 people jammed the Monroe County Fairgrounds for the Rochester Hamfest and the Atlantic Division ARRL Convention, Saturday May 19th. According to flea market chairman Dave Payne, KA2J, there were more hams set up in the flea market than ever before.

Thanks to the efforts of Metroplex, the Area 2 Volunteer Examination Coordinator, and the Hamfest Exam Committee, 117 people took Amateur Radio exams, with a pass-rate of nearly 50 percent. Nearly everyone who passed left with an interim operating permit signed by RaRa's first certified volunteer examiners Committee Chairman John Schooley, K2NC; Joe Hood, K2YA; and Ron Jakubowski, K2RJ. All the newly upgraded amateurs you hear signing *interim WB* passed their exams at the Rochester Hamfest.

At the banquet Friday night, Ronald Jakubowski, K2RJ, was presented the *Amateur of the Year Award* by Harry Dannals, W2HD, President Emeritus of the ARRL.

## THANKS!

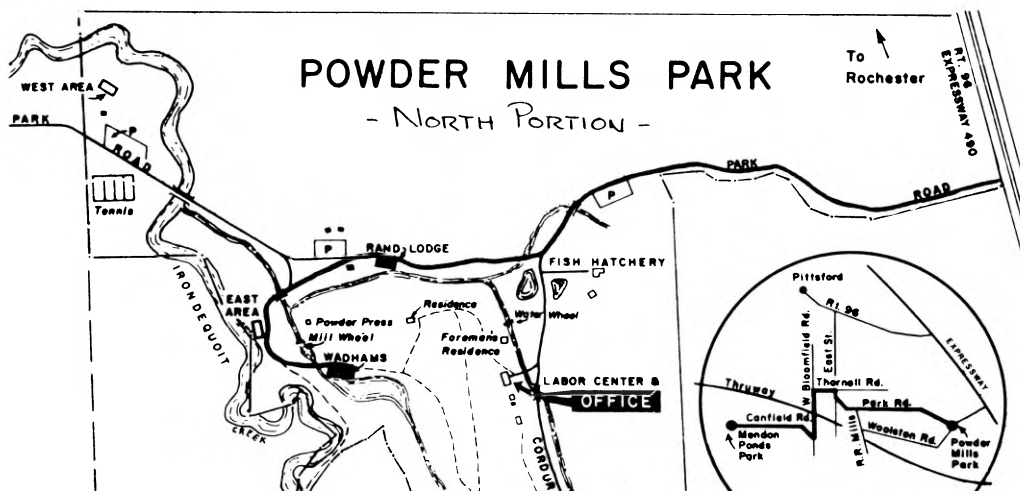
A special thanks to all of you who contributed so much time to make this year's Hamfest the success that it was. I am sure I have not expressed my thanks in person, to all that helped so I extend my appreciation to all of you now. The assistance with everything before, during and after the Hamfest was just SUPER.

Again - Thanks for a job well done.

*Ed, N2EH*

## RaRa PICNIC — JUNE 2nd POWDER MILL PARK

The Annual RaRa Picnic will take place Saturday, June 2nd at Wadhams Lodge in Powder Mill Park in Pittsford. The picnic will be from 2 - 5 p.m. and as always there will be plenty of games, fun and food. The picnic is open to all members and their family or a guest. There is no charge. The annual picnic is one of the membership benefits of RaRa. See you there!



# the **RaRa RAG**

Published by

**ROCHESTER AMATEUR RADIO ASSOCIATION, INC.**

P.O. Box 1388, Rochester, NY 14603-1388

Editor . . . . . Ronald J. Jakubowski, K2RJ  
446 Cedarwood Terrace, Rochester, NY 14609 (716-482-6308)

Associate Editor . . . . . Don Taylor, KB2BU  
109 French Road, Rochester, NY 14618 (716-586-3158)

Contributing Editor . . . . . Dwight Hill, K2KWK  
265 Norcrest Drive, Rochester, NY 14617 (716-544-2332)

Advertising Manager . . . . . Frank Pollino, K2OS  
149 Whittier Road, Rochester, NY 14624 (716-594-0502)

Photographer . . . . . Virgil DuMond, WB2FGY  
152 West Church Street, Fairport, NY 14450 (716-223-7344)

Photographer . . . . . John VanGriethuysen, N2BNE  
61 Olympia Drive, Rochester, NY 14615 (716-663-8192)

**VOL. 36 JUNE 1984 NO. 10**

## OFFICERS:

President: Bill Thiel, K2KGE	442-3111
Vice-President: Ray Roberts, WA2SSU	663-6157
Secretary: Alan Komenski, AC2K	248-8286
Treasurer: Bob O'Neil, KA2NBK	467-9937

## BOARD OF DIRECTORS:

Dave Bernheisel, N2DPF	244-1856
Lloyd Caves, WB2EFU	671-7079
Don Drennan, W2EBF	671-3366
Ed Holdsworth, N2EH	624-1929
Ron Jakubowski, K2RJ	482-6308
Steve Sykes, KA2KGM	288-8559
Brad Wallace, N2BEJ	334-7559

Club Historian: Bruce Kelley, W2ICE

Licensing Course Director: Edwin Holdsworth, N2EH

Membership Chairman: Lloyd Caves, WB2EFU

Public Relations Director: Lee Grills, WB2ZHD

Hamfest General Chairman: Harold Smith, K2HC

K2JD Engraving Director: Robert Lauzon, K2RL

The RaRa RAG (USPS 605-440) is published monthly except July and August by the Rochester Amateur Radio Association, 446 Cedarwood Terrace, Rochester, NY 14609. Subscription price \$1.00 per year (included in \$7.00 annual membership dues). Second class postage paid in Rochester, New York. Postmaster - send address changes to RaRa Rag, P.O. Box 1388, Rochester, NY 14603-1388. Full permission is granted for reprinting articles provided a credit line is given to the RaRa RAG. The RAG exchanges with other organization's publications.

## HARVEY'S HAM

**KB2LB**

3284 Clover Street  
Caledonia, NY - 538-2122

**TEN-TEC — DENTRON**  
new and used

**SUPER LOW PRICES**

We will sell your used gear for you.

## RaRa ELECTION RESULTS

At the May 4th Annual Meeting, the following were elected to office:

Ray Roberts, WA2SSU, *President*  
Ron Jakubowski, K2RJ, *Vice-President*  
John Lloyd, KA2KFV, *Secretary*  
John VanGriethuysen, N2BNE, *Treasurer*

### *Directors:*

Dave Bernheisel, N2DPF  
Howie Davies, N2CUN  
Keith Freeberg, N2BEL  
Dick Goslee, K2VCZ  
Ed Holdsworth, N2EH  
Alan Komenski, AC2K  
Ed Neubauer, N2BXA

At the recommendation of the Board of Directors, the membership voted to retain the same dues structure next year with no increase.

## PRESIDENT'S CORNER

To the officers, directors, committee chairpeople, committee members, and individuals who served the club goes all the credit for a successful year. Because of your efforts, RaRa lived up to its tradition of being one of the best Amateur Radio organizations anywhere. By my count there were more than 75 people who served in various capacities — several doing multiple duty. Thanks to each of you for a job well done.

To all members, my best personal wishes for a safe and enjoyable summer. See you at the Picnic and/or in September.

Bill, K2KGE

## RRRA ANNUAL MEETING JUNE 1st

The Annual Meeting of the Rochester Radio Repeater Association, Inc. will take place Friday, June 1st, 8 p.m., at the Pittsford Town Hall. The main business of the meeting will be the election of officers.

The nominating committee (Len Gessin, WA2ZNC and Rich Koehn, K2UW) has proposed the following slate of officers:

Howie Davies, N2CUN, *President* (automatic accession)

Art DeBruycker, W2YGW, *Vice President*

Ron Nelson, KA2GLG, *Secretary*

Joe Phillips, W2DHF, *Treasurer*

Nominations will be open from the floor at this meeting.

Program for the meeting will be a demonstration of the RRRA portable repeater by technical director Ron Jakubowski, K2RJ.

# ARMORED FORCE AMATEUR RADIO NATIONWIDE EMERGENCY TEAM "A FAR NET"

The Armored Force Amateur Radio Net is an informal and nonprofit group of amateurs made up as of this date by 180 members located in 34 states and 3 DX sites. The great majority of our members are veterans of World War II and the Armored Forces of the United States and its allies and that even includes some marines. HI. We do list active duty service personnel, and a limited number of associates in our membership roster who have served in other of the military arms of service.

The "A Far Net" as it is more commonly known would like to proudly announce our first annual "Eyeball/Bivouac/luncheon" to be held on Saturday, July 28th 1984, at the Sheraton Inn, Canandaigua, New York at 1:00 p.m. The dress will be casual.

All amateur radio operators who have seen military service with any unit of armor are invited to attend the informal luncheon and chat.

Additional information on the luncheon or net membership is available through the founder, Harry B. Thomsen, W2PJH, 348 Jefferson Avenue, Apt 15, Canandaigua, New York 14424. An SASE would be much appreciated.

It should be noted that the A Far Net is a no dues organization, with its operating and postage costs supported through member donated funds. We are very proud of our military heritage, and of our very beautiful QSL card.

## SCHEMATICS AVAILABLE

The AWA Museum (East Bloomfield/Holcomb) has a complete set of Rider Manuals which have the circuits and specs of most broadcast receivers and many amateur sets made between 1922 and 1955. If you're restoring or working on an old receiver, bring a pad and pencil and copy the info any Saturday or Sunday afternoon. See May RAG for hours.

### SILENT KEYS

Fred Barto, ex-WA2GCZ, April 17  
Hugh MacPherson, KA2CSD

## SUMMER RAG CALENDAR

### JUNE

- 1 - RRRRA Annual Meeting, 8 p.m.,  
Pittsford Town Hall
- 2 - RaRa Picnic, 2 - 5 p.m.,  
Wadhams Lodge, Powder Mills Park
- 3 - Lake Ontario Marathon public service event
- 3 - Rome Ham Family Day, Rome, NY
- 3 - Manassas Hamfest, Manassas, Va.
- 9, 10 - *SUSQUEHANNOCK* public service event
- 9, 10 - June ARRL VHF Contest
- 10 - Mendon Pony Rally public service event
- 16 - SARC Hamfest, Cortland, NY
- 17 - Frederick Hamfest, Frederick, Md.
- 21 - Teleconference Network, 8:30 p.m.,  
19/79, 145.11
- 23 - Scotch Bonnet sailboat race public service event, Lake Ontario
- 23-24 Field Day Weekend

### JULY

- 8 - Batavia Hamfest, Batavia, NY
- 14 - Ontario Hamfest, Burlington, Ontario
- 14 - Mt. Beacon Hamfest, Poughkeepsie, NY
- 29 - Maryland Hamfest & Computerfest,  
Baltimore, Maryland

### AUGUST

- 2 - RaRa Board of Directors meeting,  
7:30 p.m., QTH of WA2SSU
- 15 - September RAG deadline
- 16-19 Walnut Hill Farms public service event
- 16-19 Empire State Games public service event,  
Syracuse
- 19 - Iron Man Contest public service event

## HEATHKIT ELECTRONIC CENTER

### Amateur Radio Equipment and Accessories

Keyers, Antenna Tuners, SWR/Wattmeters,  
Coax, Connectors, Wire, Test Equipment,  
Educational Courses, etc.

(716) 424-2560  
937 Jefferson Road Rochester, NY

## TELECONFERENCE — JUNE 21st

“Multiband, Broadband, and Frequency Independent Antennas, an Overview” presented by Dr. John S. Belrose will be the subject of the North American Teleconference Radio Net (T.R.N.) Thursday, June 21, 1984. Access to T.R.N. is provided by over 180 gateway stations, mostly VHF repeaters, linked together to cover virtually every metropolitan area in the United States and much of Canada.

The antenna is, arguably, the single most important element in radio station effectiveness, contributing as it does to both transmit and receive performance. This alone makes a talk on antennas immensely popular in the radio community. However, radio amateurs will be particularly interested in Dr. Belrose's talk because they will need new approaches to antenna design to accommodate the additional bands recently allocated to them.

Dr. Belrose is a world-wide respected authority on antenna design. He is professionally involved with antennas as Director of Radio Communications at the Canadian Department of Communications, Communications Research Center, Ottawa, Ontario. Many amateurs will recognize him as “Jack”, VE2CV, an A.R.R.L. Technical Advisor on antennas and author of many articles in *QST* and other journals. A more extensive biography on Jack's accomplishments and interests may be found in *QST*, March 1982, page 39. To this may be added that Jack is married to an understanding wife Denise and has three children: John, Patrick, and Catherine.

Dr. Belrose's talk on T.R.N. has been arranged on behalf of all Canadian amateurs by the Canadian Radio Relay League.

A complete and up to date list of gateway stations providing access to T.R.N. programs is maintained in the Compuserve “Hamnet” X10 database. This, and information on linking repeaters into the net, may also be obtained by writing the net manager W0TN at 4749 Diane Drive, Minnetonka, MN 55343 (S.A.S.E. please).

The national program begins at 7:30 p.m. Central Daylight Time June 21 (that's 0030Z next day). Local nets may begin earlier.

Past T.R.N.s have featured ham radio's technical and institutional leaders including Bill Meyn K4PA, Joe Reisert W1JR, Vic Clark W4KFC, Barry Goldwater K7UGA, and “Rip” Riportella WA2LQQ (and other top AMSAT leaders). The T.R.N. following Dr. Belrose on June 21 will be September 14, 1984, with Bob Heil K9EID speaking on “Microphone equalization for the

WANTED: Local 2-meter crystals and accessories for Wilson Mark II handheld. WB2UXI, Dave, 637-4148.

WANTED: Central Electronics 100V xmtr for parts, documentation. WB2UXI, Dave, 637-4148.

FOR SALE — WILSON 15 meter 5 element monoband antenna, and 220V squirrel-cage blower. Must sell, best offer. Ray DeMers, W2KVP, 381-8925, 425-1742.

### ROBINSON ROCHESTER CYCLES

### TRIUMPH

• MAICO • RICKMAN • CAN-AM  
• OSSA • YANKEE • SWM • BSA • KTM  
MOTORCYCLES

### Onan

EMERGENCY GENERATORS  
2.2KW — 1 MW  
Starting at \$500

ROBIN (FUJI)  
Portable Generators  
600W — 5KW  
Starting at \$349

COMPLETE MACHINE SHOP & SERVICE  
free parking in rear

**436-4775**  
900 W. MAIN ST.  
(AT BULLS HEAD)

Radio Amateur”. Mark these dates and times (7:30 p.m. Central) on your calendar now!

Remember, you don't have to travel to hear top experts and leaders discussing the technology and issues of concern to radio amateurs and the radio communications community including full two-way Q&A from amateurs across North America. Just tune into T.R.N. at home, in your car or walking down the street with your handheld radio. Scanner owners too will enjoy and learn by tuning into the net. T.R.N. is amateurs in action; learning, inspiring and preparing to serve the public interest.

## the BLOWN FUSE

by Bill Clarke, WA4BLC, via AUTOCALL

So you bought a computer did you? Well here's a short program that's written for the Vic 20 and/or the Commodore 64. It'll probably work on other computers also, as it's quite simple.

The object of this program is to provide the user with some basic antenna information. By entering a frequency, in megacycles, the computer will display the full wave length, half wave length, and quarter wave length, in feet, of an antenna cut for that frequency.

Type the following program in:

```
10 PRINT "clear": CLR
11 PRINT "ENTER FREQUENCY IN
MHZ:":INPUT M
12 H=468/F
13 F=2*H
14 Q=H/2
15 PRINT "clear"
16 PRINT "FREQUENCY "M" MHZ"
17 PRINT SPC(5) "down FULL WAVE "F"
FT"
18 PRINT SPC(5) "down HALF WAVE
"H" FT"
19 PRINT SPC(5) "down QUARTER WAVE
"Q" FT"
20 PRINT "downdowndown PRESS * FOR
NEW ENTRY"
21 GET AS: IF AS<>"*" THEN21
22 GOTO10
```

After you've typed this into your computer, SAVE it to tape or disc... BEFORE RUNNING IT!! That way if you have a visit from Murphy, and the computer hangs up, you won't lose what you've typed.

To use it just type in RUN and press RETURN. The display screen will clear, and you will see line 11 asking you what frequency you want to try. Type in the frequency, in megacycles, (ie: 7.255) and press RETURN. At this time lines 16 thru 20 will be displayed.

TIP #1 - ICOM has recently introduced a new handheld radio, the O2AT. There is an optional battery pack for it that will give it more power than is standard. This pack will also fit the 2AT series radios. DON'T DO IT. You will get higher power from your 2AT by using it, but only for the brief time it takes the final to overheat and fail.

TIP #2 - Many older rigs, such as the Hallcrafters 150s and 160s use sweep tubes as finals. These tubes are getting hard to find, and quite expensive. 6146s may be used in their place, however you will have to do some rewiring. Use the ARRL Handbook to assist you.

## VETERANS IN NEED OF USED MAGAZINES

It has been brought to our attention by Bill Landon, K2CBD, that there is a great need for men's clothes, used magazines, and cancelled stamps for the patients in the region's veterans hospitals. Magazines of the *Field and Stream* or *Sports Illustrated* variety would be the most useful.

Bill tells us that the cancelled stamps are used for therapy - they are pasted into books - and even the most common variety are useful.

The regional VA hospitals are in Bath, Canandaigua, and Batavia. Bill has been the chaplain for the local American Legion post for the past 8 years. He is eager to arrange pickup of these items so give him a call at 663-0429. He can also be found regularly on 28/88 and 19/79.

---

## JOHN RILEY, N2ERJ, SAILS ATLANTIC

John Riley, N2ERJ, a local ham who has lived aboard his 41-ft. yacht *Dolphin* and who retired from Harris RF Communications last month set sail in early May with two crew members for the French Riviera. The *Dolphin* sailed from Rochester to Oswego and then motored to New York Harbor via the Barge Canal system. He is now enroute to the Azores, then to Gibraltar, Miorkia (Spain), and finally to France where John plans to continue to live aboard the *Dolphin*.

Daily schedules are planned on the Maritime Mobile Net, 14.313 MHz. John, who is an avid computer enthusiast, a noted authority on HF propagation and a long-time ham welcomes contacts from Rochester area hams. For any further information on his schedules, contact Herb Perkins, WA2JRV, at (716) 244-5830 or 544-5303.

---

## SYRACUSE HAM CITED

Edward L. Johnson, WA2JHU, of Syracuse, New York, has paid a \$600 FCC fine and has agreed to turn in his amateur operator and station licenses for a four month period. Johnson was caught violating FCC Rules by Captain David A. Stevenson of the Onondaga County, New York, Sheriff's Department. Captain Stevenson investigated complaints from hams supplying radio-communications at the 1983 Empire State Games in Syracuse. Captain Stevenson used direction-finding gear to locate the interference. He submitted evidence to the FCC, who cited Johnson for failing to identify (FCC Section 97.84) and broadcasting (97.113). Tnx ARRL LETTER

# THE DARK SINK THEORY

For years it has been believed that light was emitted from an electric light bulb. This has now been proven wrong. This paper proves, without a doubt, that dark sinks into the bulb, giving what we thought was light. The bulb is a **DARK SINK**.

There are many types and sizes of dark sinks. The largest manufacturers are GE and Sylvania. Some modern dark sinks utilize solid power to operate properly. These power units can be purchased from Eveready, Exide and Mallory.

The Dark Sink Theory proves the existence of dark sinks, and that dark is heavier and faster than light. Some examples follows:

## ELECTRIC BULBS

There is less dark near the electric bulb than at a distance of 100 feet when it is operating. Therefore, it is sinking dark and can be classified as a dark sink. The larger the dark sink, the greater the distance it can sink dark. The larger the dark sink, the greater its capacity of dark. The dark sink capabilities are evident when the dark sink has reached its capacity and will no longer sink dark. Notice the dark area on the inside portion of the dark sink. The larger the dark, the larger the area of dark found within.

Dark sinks can be made directional by placing a shield around a portion of the unit or behind it. This will prevent dark from entering the dark sink from that side, thereby extending the range of the dark sink on the unprotected/unshielded side.

## CANDLES-PRIMITIVE DARK SINKS

There is more dark 30 feet from a lit candle than there is at a distance of 3 feet. Proof of its dark sinking capabilities is relatively simple. Examine a new, unused candle. Notice that the center core is not dark. Ignite the center core and allow it to burn for about five minutes. Notice the lack of dark around the candle. Extinguish the candle flame. Notice that the center core of the candle is now dark.

The center core is a dark sink protected by a soft insulator to extend its life expectancy and to maintain rigidity. To verify this, ignite the center core again. Pass a clean pencil over the top, left to right, approximately 3 inches above the center core. Notice there is no dark on the pencil. Do this again approximately 1/2 inch above the center core. Notice that the pencil now has a darkened area. This proves the pencil blocked the path of dark being drawn to the core of the dark sink.

## DARK IS HEAVIER THAN LIGHT

Dark always settles to the bottom of a lake or river. Submerge just below the surface of a lake

# STATION FOR SALE

1. Kenwood TS-120S with noise cancelling mike and mobile mount. \$425.00
2. Astron RS-20A power supply \$75.00
3. MFJ-941B antenna tuner \$60.00
4. Heathkit Keyer \$40.00
5. Hallicrafters S-85 \$15.00
6. Cushcraft 18AVQ \$40.00
7. Miniproducs Miniquad \$75.00
8. Hustler mobile mount antenna system 10 - 80 with quad band adaptor \$75.00
9. 5-positon antenna switch
10. 120' - 450 ohm ladder line

Contact: Ed Engel, WA2EJQ, Lower Road Box 66C, Constantia, New York 13044. Phone: (days) 315-437-0393; (home) 315-623-7120.

---

**WANTED:** Am looking for a used tower, 50 - 70 ft. range. Call Irv, AF2K, 671-4430.

---

and you will notice an absence of dark. Lower yourself to 15 feet below the surface and you will notice a degree of darkness even on a sunny, bright day. Lower yourself to 50 feet or more below the surface, and you are in total dark. The dark has settled to the bottom; therefore it is heavier than light.

Modern technology has allowed us to utilize the dark that has settled to the bottom of large rivers. The dark is passed through turbines which push it down river to the ocean, which has a larger holding capacity for dark and is common, safe storage location. As the dark is passed through the turbine, a percentage of solid power is removed and transmitted to various short-term storage plants for many uses.

## DARK IS FASTER THAN LIGHT

If you would open a drawer very slowly, you will notice that the light goes into the drawer. This you can see happen. You cannot see the dark leave the drawer. Continue to open the drawer and the light will continue to enter the drawer; however, you will not see any dark leave the drawer. Therefore dark is faster than light.

Go into a closet, close the door and turn off the dark sink. Have a friend open the door about one inch. Your friend will not see any dark leave the closet, nor will you. Have your friend open the door until half the closet is dark and half light. Since two objects cannot occupy the same space at the same time, and you do not feel any change in pressure, by compressing the dark it is logical to assume that dark is faster than light.

*(from World Radio, April 1984)  
via N.A.R.C NEWSLETTE*

## INTERFERENCE TO NETS

de Tom, K1PZU

QRM on low-band nets is fairly consistent, but the true cause and cure seem to be overlooked. While it's often blamed on others, it is either caused by net members themselves, or provoked by their conduct.

Many a rag-chew has been finished by the whistle and moan of net stations tuning up their rigs ... without courtesy or ID. It doesn't make a good impression, nor does a net claiming a frequency and ordering others to get off. That net deserves its problems.

Late check-ins often tune up on frequency, and if the xmtr offsets on tune, you've jammed your own net. These carriers, and others that appear on freq hold up the net because the NCS often stops to deliver a volley of insults to the still-transmitting signal. Better he should wait, then ask the station to move.

Other QRM comes from the "helpful comments" made without permission by net members. Even without doubling (which often happens) these people lower the net's efficiency as much as any other jammer.

The honest-to-goodness deliberate QRM that does occur is best handled by simply ignoring the jammer and making NO comment about him. Net members who state their opinions are prolonging the agony. Not being "heard", the jammer won't stay around long.

*Tnx MARC TIMES*

## FOR SALE: ESTATE of Hugh MacPherson

Rohn Tower, 30 feet (buyer take-down)	\$50.00
Heathkit SB-102 txcvr, with Heath Pwr Unit	\$100.00 to 150.00
Eico #720 cw, 80 - 10	\$10.00
Heathkit #7401 2-meter rig with Pwr Supply #HW-82036-3	\$50.00 to 75.00
Supreme Receiver #AF-100 for am & cw (antique!)	\$10.00
Lafayette SWR Bridge	\$5.00
Heathkit Counter #IM-2410 (to 225mHz)	\$25.00
Micronta V O M #27-20-B	\$10.00
Micronta SWR Bridge (two meter movements, three ranges)	\$25.00
Hammarlund #HQ-100	\$50.00
Heathkit #DX-100 transmitter, 80 - 10	\$10.00
Revere Tape recorder	\$5.00
FM Broadcast Converter	\$7.00
Royce CB rig (23 chan.)	\$10.00
Contact Helen MacPherson, 865-2772	

## NEW LOCATING SYSTEM REMINDS ARRIVAL OF 1984

A telecommunications manufacturer in California has reminded us that 1984 has arrived - as it has announced the availability of a sophisticated 2-way personnel locating and call-directing system capable of pinpointing the location of an individual within a large facility in less than 1 second.

TELOC Inc. employs infrared technology, microprocessors and high-speed data communications to enable the TELOC Locating System to instantaneously read electronic personnel badges. This "reading" allows the system to locate the individual, verify his/her location within an area, advise the individual that a call is on its way, and ring the nearest available telephone.

The system also has applications for security needs, and can be fitted to accommodate the needs of hospitals, defense plants, office complexes, and manufacturing facilities, the company said. The system can also be tied in with energy and environmental monitors, and used as an auxiliary to internal utility load management.

*Tnx Industrial Communications*

## ROCHESTER RADIO READING SERVICE NEEDS TECHNICAL HELP VOLUNTEERS

The Rochester Radio Reading Service plans to broadcast current information to print-handicapped individuals through use of a sub-carrier rented from WXXI-FM. This will allow RRRS to broadcast closed circuit programming to special sub-carrier radio receivers. The transmissions will also be available on an open channel of American/Peoples Cablevision.

Their current needs are for individuals who have technical expertise to assist them in setting-up studios for both broadcasting and recording and for development of standards for operation that can be followed by volunteers with no previous broadcast experience.

If anyone is interested in helping with this project, contact the RRRS, 422 South Clinton Avenue, 14620, phone (716) 232-1111, ext. 273.



**DON'T MISS IT !  
BATAVIA HAMFEST  
JULY 8th**



# SUSQUEHANNOCK — JUNE 9 - 10

One of the very best opportunities for testing our emergency communications preparedness comes the second weekend of this month — The *Susquehannock* pro road rally sponsored by the Finger Lakes chapter of the Sports Car Club of America.

For about the past 8 years RaRa has been fielding a crew of over 30 amateur radio operators to Wellsboro, Pennsylvania and the state forest land around there to provide safety related radio communications to the rally. We are also assisted by several amateurs from the Tioga county, Pennsylvania area who help the newcomers (and even some of the old timers) get around the back-trail mountain roads. We also bring down a portable repeater provided by the Rochester Radio Repeater Association which is set-up on one of the centrally located fire towers for the duration of the rally. It operates on 146.28/88.

The rally sponsors and especially the participants really appreciate the work we do with the radio communications. They know that without this communications there would be no rally, it is so important. Why is this communications so important? To understand this, you must first understand how a rally of this type works.

The rally course is broken down into stages that in this rally are all on Pennsylvania state forestry roads that are closed to the public for this event. The rally cars proceed through the stages each starting the first leg of a series of stages one minute apart. The object is to get the fastest time through the stage. Each car is given a starting time as it enters the stage and an finish time when it completes the stage. If an accident occurs on the stage, the finishing drivers report it. If there are injuries the stage is closed until the injured persons are taken care of. This is where the neces-

sity of good communications comes in. Each stage has a radio at the start and finish who can talk to each other and the rest of the rally either directly or through a portable repeater set up especially for the weekend. When a problem like this arises, the stage finish radio operator must contact the stage start and tell them to shut down the stage so that medical personnel can safely get to the victim. If the situation is serious enough, it may warrant stopping the whole rally to keep the cars from backing-up at the closed stage. The stage radio operators then communicate with the sweep crews who locate the crashed car and assess the situation and the medical teams in the area who will treat or evacuate the victims. At the speeds these vehicles travel this is serious business and fully appreciated by the participants. The most serious injury that I can remember was a broken leg.

All this communications work notwithstanding, the main reason so many hams mark the date on their calendar a year in advance and come down to Wellsboro a day or two early is *fun*. Working the rally is a lot of fun that you have to experience to appreciate. And talking about appreciation, we are thought of as miracle workers by the rally organizers and participants. They know how far they got when they tried to communicate through the mountains on CB and they look on in amazement as we talk across the rally and into Wellsboro with a handheld or mobile unit.

Not in a small part due to the communications we provide, the *Susquehannock* Rally was voted number 1 in the country on last year's SCCA circuit by the rally participants. This is a great honor and a tribute to all the organizers and workers. Its never too late to sign-up to work and get in on all the fun. Call Ed Holdsworth at 624-1929 to get your name on the list!



## Radio World

Central New York's Most Complete Ham Dealer



YAESU  
FT-757GX



KENWOOD  
R-2000



ICOM  
IC-02AT

### ORDER TOLL FREE 800-448-9338

Featuring Kenwood, Yaesu, Icom, Drake, Ten-Tec, Collins, Alpha, Robot, MFJ, M<sup>2</sup>, Tempo, Azden, Astron, KLM, Telex/Hy-Gain, Mosley, Larsen, Cushcraft, Hustler, Mini-Products, Antek, Avanti/ASP, W2AU, Butternut, Childs, Dielectric, Hitachi, Beckman, Kantronics, Palomar, Santec, Daiwa, Nye-Viking, Bearcat, CES, Rohn, Universal and Alumina Towers, JSC and CZ Wire, Saxton, Belden, B&W, Alliance, Janel, Vibroplex, Bencher, Astatic, Shure, AEA, Callbook, ARRL, Hayden, and much more!!

**Write or call for quote. You Won't Be Disappointed.**  
We are just a few minutes off the NYS Thruway (I-90) Exit 32



**We Take  
Trades**

**Oneida County Airport Terminal Building**  
Oriskany, New York 13424  
N.Y. Res. Call (315) 736-0184

**Complete Repair  
Facility on Premises**