



# the RARARAG

Published by

**ROCHESTER AMATEUR RADIO ASSOCIATION, INC.**

VOL. 37

MAY 1985

NO. 9

## SKYWARN TOPIC OF RaRa ANNUAL MEETING MAY 3rd

Severe weather and how to spot it is the program for the May meeting of RaRa Friday, May 3rd, 8 p.m. at the 40/8 Club, 933 University Avenue.

Vern English, Meteorologist-in-Charge of the National Weather Service Office at Monroe County Airport will show a film and discuss how radio amateurs can assist the weather bureau in tracking severe weather. This program is very appropriate as we enter the summer storm season.

Also at our annual corporation meeting, we will be voting for officers and directors and for the dues structure for next year.

We will also have our monthly awards program and our resident chef, George Muller, WA2IEO, will dazzle us with his spread of coffee, cocoa and donuts. Don't miss this last meeting of the season. And don't forget that \$4 Hamfest tickets will be available at the meeting! See you there.

### **SILENT KEYS**

**CYRIL J. STAUD, K2DQ**

Cy was the dean of all Rochester Amateurs. He started experimenting with radio in 1912, and was the first ever licensed in Rochester with the call 8AP in 1913 or 14. He helped form the first local Amateur Radio Club, the St. Paul Radio Club.

**VICTOR LoTEMPIO, W2RIS**

Vic was the *man behind the counter* at several local Amateur Radio Equipment stores. He always mixed his salesmanship with sound advice and a cheery personality.

**WILLIAM F. BELLOR, W2MG**

Bill was a Life Member and Past President of RaRa. He was also active in RDXA.

## Rochester HAMFEST

MONROE COUNTY FAIRGROUNDS  
May 17-18-19, 1985

### ANY ONE FOR FIELD DAY?

by Ray Roberts, WA2SSU, President

Spring is in the air and at this time of year a hams fancy turns lightly to thoughts of field day. The annual June event is fast approaching and the time to start planning is now. Therefore the club officers are asking for members who are interested to come forward and be counted.

Of all the contests that hams indulge in every weekend of the year none is more fun or practical. But there are many things to get ready and time is already running short. A site has to be selected, number of rigs to be decided, antennas to put up and most important, who is going to cook?

At the May meeting, President Ray Roberts, WA2SSU, will ask for a volunteer chairman to help get the club effort rolling. Anyone interested in working as chairman or participating as an operator, cook, dipole stringer, or anything else should be prepared to step forward and be counted.

RaRa is one of the biggest clubs in the country and has probably the greatest ham talent anywhere within the ranks of its membership. Many hands make the work light and the cooperation of everyone will insure a good time for all.

### XEROX REPEATER NEWS

by Pete Secrist, WB2SUN

The WB2IMT repeater on Xerox Tower is being replaced due to the repeater owner moving on to a new job in the area. The Xerox ARC is planning to replace the repeater with a new one of its own. The Xerox club requests your patience during the transition. Suggestions and comments for the future of the club's repeater can be given to the author. Your support is needed.

# the RARa RAG

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**ROCHESTER AMATEUR RADIO ASSOCIATION, INC.**

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## HEATHKIT ELECTRONIC CENTER Amateur Radio Equipment and Accessories

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

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

## LETTER TO THE EDITOR

I would like to take this opportunity to offer some suggestions to the local Amateur Radio community when using the Fuzz-Buzz system.

1) When the OEC complaint operator answers your call slowly state, "This is an amateur radio call for assistance, my call sign is --- ---, do you read me ok, go ahead."

2) Proceed with the nature of your emergency. Try to provide as much of the following information as possible.

- a) Location of the emergency
- b) Town or municipality
- c) What is needed, Police, Fire, or Emergency Medical
- d) Any other pertinent information which may assist the responding Public Safety Agencies, ie: Multiple injuries, suspect description, weapons involved, direction of travel, etc.....

3) Remember you are talking to a complaint operator, not the dispatcher. It is this employees job to gather all information quickly and accurately so your request for service may be sent to the dispatcher for assignment. These people are the most important link in the service we provide. Should they ask you questions when you call it is only for the purpose of getting all the assistance you need to you as soon as possible, allowing for no error in location or nature of emergency.

If you feel your call was inappropriately handled or if you have any other complaint or inquiry feel free to call me at 428-7080 and I will be glad to investigate the matter on your behalf.

Yours Truly,  
*Thomas C. Free, KA2-QNT*  
Senior Supervisor  
Emergency Communications  
City of Rochester

## ANNUAL MEETING NOTICE

The Annual Corporation Meeting of the Rochester Amateur Radio Association, Inc., will be held May 3rd, 8 p.m., at the 40/8 Club, 933 University Avenue, for the purpose of electing officers and members of the Board of Directors and setting the dues structure for the corporation's 1985-86 year. All licensed members are eligible to vote. Associate members who have obtained a valid Amateur Radio license are automatically upgraded to full membership with the payment of no additional fee.

## THE RaRa Rag 20 YEARS AGO —

### MAY 1965

by Ed Gable, K2MP

As now, this issue was crammed with information on the Hamfest to be held at Vince's Fifty Acres. \$5.50 at the door brought full registration, flea market, and dinner. Highlights of the May 22nd event included FCC exams, a code sending contest by Clara Reger, W2RUF, an interesting talk on DX-peditions by Stu Meyer, W2GHK, of DX fame and President of Hammarlund Mfg Co., sponsored by the Rochester DX Association. The Rochester VHF Group brought in Doug Horner, WØHUF, of Collins Radio who spoke on advances in VHF transverter design. The honored guest at the Awards Banquet was Ivan Loucks, FCC Head, Washington, DC. Mr. Loucks, W3GD, was no stranger to Rochester. He was custodian of the old RIT club station, 8ABO, in the twenties.

New club officers were elected at the April meeting. For the 1965/66 season we have: Harold Smith, WA2KND, President; Jack Morse, K2KFN, VP; Hank Kreutter, WA2IKB, Secretary; and Hank Schwalenstocker, WA2RXL, Treasurer. To the Executive Committee: Cliff Milner, K2SKO; Pat Hennessy, WB2FVG; Russ Heuer, K2PLO; Bill Kuehne, WA2ZQN; Gordon Bull, WB2HZM; Mickey Chambers, WB2QVA and Ernie Crewdson, WA2FVG.

The May meeting is a pleasant slide show of Sax Ringle's southern European tour. Sax, W2SAW, visited many DX stations and captured them on film and audio recordings. (Note: That includes this "20 years..." Editor as Sax surprised me with a visit to my IIDFD QTH in Vicenza, Italy).

The Rochester VHF Group nominating committee, headed by Bill Kirkbright, WA2HWC, offered the following slate: Linc Cundall, W2QY, Chairman; Otto Bluntzer, WB2RJB, Vice-Chairman and Helen Armstrong, WA2YPT, Secretary.

BC Electronics advertised 250 pF, 1 KW transmitting variable capacitors at \$1.50 each.

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## RaRa BOARD VOTES TO HOLD LINE ON DUES

At the April 10 meeting, the RaRa Board of Directors voted unanimously to recommend to the membership at the Annual Meeting to keep the dues at the present level. It has been pointed out that RaRa has one of the lowest dues structures of any club in the country. Our large membership base keeps this possible.

## MAY RAG CALENDAR

- 3 - RaRa meeting, 8 p.m., 40/8 Club, 933 University Avenue  
Annual Meeting
  - 4 - Owego Hamfest, Treadway Inn, Owego, NY, 8 a.m. to 4 p.m.
  - 9 - Rochester Packet Radio Club meeting, 7:30 p.m., Tele-Connect Systems, 320 South Avenue
  - 11 - Rochester VHF Group Picnic, 1 p.m., Sonnenberg Gardens, Canandaigua
  - 11 - June Rag Deadline
  - 17,18,19 - ROCHESTER HAMFEST and ATLANTIC DIVISION ARRL CONVENTION
  - 21 - RDXA meeting, 8:15 p.m, Colonial Hotel, 1127 Empire Boulevard
  - 31 - RRRRA Annual Meeting, 8 p.m., Pittsford Town Hall
- 

## HAM TORAH NET MEETS

Hams may be interested in knowing that there is a Ham Torah Net called Mesivta D'Rakia (Heavenly Academy) which meets to study Mishna and Halacha on 3.825 Mhz daily (except shabbos) at 8:30 p.m. EST. The "Rosh Mesivta" is Rabbi Yitzchok Sokol (KA2B) in Lakewood, New Jersey. The radio dimension adds a lot to the discussions which are usually very friendly and stimulating. There are active and passive (no Hams license required to receive) participants around the continent, and some silent listeners in Russia. This has been going on for several years and features special guest appearances from Torah personalities and festive get-togethers.

Another communications medium for Torah study is the telephone. Dial-a-Daf programs exist in major cities for studying a page of Talmud a day at a time.

Rabbi Sokol (who is also a master technician) has installed various dial-up Torah-tape classes in Lakewood, and Dial-a-Daf equipment in other cities.

Anyone interested in these activities, or in help or advice in setting up ANY type of media classes is invited to contact him:

Rabbi Yitzchok Sokol  
676 9th Street  
Lakewood, New Jersey  
Phone: 201-364-3382

# THE ENTIRE NORTHEAST STANDS FIRMLY BEHIND UPRIGHT 15 KHZ

Story and Opinion by Hudson Division Vice Director Steve Mendelsohn, WA2DHF

Representatives of all the East Coast frequency coordination bodies from Maine to Washington, DX met in White Plains, New York on March 2, 1985. The groups represented included the North East Spectrum Management Committee, co-ordinator for most of "1 land," the Tri-State Amateur Repeater Council of New York, Northern New Jersey, and Connecticut; the Philadelphia Area Repeater Association of Eastern Pennsylvania and Southern New Jersey; and the Mid-Atlantic Repeater Council of Maryland, Delaware and Eastern West Virginia. After reaching positions on various topics, the group contacted the Upper New York Repeater Council which agreed with all positions, making the Northeast *unanimous*. Mr. Tom Frenaye, K1 KI, New England Division Director of ARRL, was also at the meeting to give input, when needed, from the League's point of view. The purpose of the meeting was to attempt to set up common technical standards for repeaters in the Northeast Corridor, discuss a set of common positions on FCC Personal Radio Docket 85-22, referred to as the "Repeater Docket," design a Northeast data base, elect a data base manager, set up common band usage plans, and define repeater-to-repeater interference. The group also adopted a unified position on the 15 versus 20 kHz spacing for repeaters on 2 meters

After meeting for 8 hours, the group had adopted a set of technical standards which included transmitter stability and center frequency accuracy, the setting of a peak deviation of 4.5 kHz for each repeater, design guidelines for repeater audio frequency response, tone levels, access methods, modulation linearity, and spurious output levels. On the thorny question of system separation, the group stated that "such separation would be at the discretion of each council based on prevention of harmful interference to existing repeater systems and geographical considerations."

For the first time, a common standard evolved for *voiding* the coordination of coordinated repeaters. If a system does not have prior written permission from the coordinator to make a change, that system will void its coordination by moving the location of the repeater, raising the height of antenna, raising the power level of the transmitter, changing the system's frequency, or changing the system sponsor or the trustee. These standards do not mean that such changes can't be made, only

that they must be done with the knowledge of the local coordinator. It was felt that this would prevent many repeater wars that start when one system on a given frequency changes its operating parameters.

The next issue addressed was 15 versus 20 kilohertz channel separation on two meters. All groups present *unanimously rejected* the concept of stepping back to 1975 standards. The advance in receiving equipment front ends, IF selectivity, and adjacent channel rejection is such that, with proper limiting of repeater deviation to 4.5 kHz peak, proper repeater audio response tailoring so power resides linearly in the sidebands, proper adjustment of user deviation, and adherence to recommended frequency stability limits, 15 kHz separation is today's state of the art. The technical merit of proposals from the Western and Southern areas of the country were discussed and rejected, point for point. It was also pointed out that many more repeaters were on the air in the Northeast than in areas that had gone to 20 kHz spacing and, with the implementation of good operating practices, few had any technical problems existing in a 15 kHz environment in over 10 years of operation.

The group also agreed that implementing the 20 kHz plan would result in many repeaters having to shut down for no good technical reason. If all systems on the air adjust their deviation and frequency to the technical standards, and users limit their deviation no problems will exist. In short: 20 kHz, no way!

Writing in the Syracuse New York ARA's *Journal*, the Upper New York Repeater Council's Howard Lester (W2ODC), one of the original fathers of 20 kHz on the bottom segment of two meters, wrote: "With the increase in the number of repeaters and the number of users, it is right to take another look at the way we are doing things. But it is wrong to take unilateral actions that will only cause disruption and bring entrenched positions. Now a couple of repeater councils have voted to adopt, unilaterally, a band plan for two meters based on 20 kHz spacings. This would change the frequency of almost all repeaters in their areas. I wonder who would go around telling one in four repeaters now on the air to get off. Consider the direction commercial operations on VHF/UHF are going both here and in Europe. Did you know that repeaters there are now going to twelve and a half kHz spacing? Look at the specifications for the 'B' model of the Yaesu 2 meter rigs, for example."

Bob Powers, chief scientist for the FCC's

(Continued on page 9)

# ROCHESTER HAMFEST PULL-OUT SECTION

## HOTEL/MOTEL ACCOMMODATIONS

Hamfest headquarters is the Rochester Marriott Inn, Route 15, near the New York Thruway exit 46.

A block of rooms are reserved for Hamfest attendees at the rates of \$66.00 single and \$72.00 twin. When you call or write for reservations you must mention "*Rochester Hamfest*". The hotel will NOT accept reservations if you fail to indicate that you are with the Hamfest. You must contact the hotel directly. Their "800" number will advise: "*Booked to capacity*". Early reservations are required. Space is limited.

### Address:

Rochester Marriott Inn  
P. O. Box 9912  
Rochester, NY 14623  
Phone: 716-359-1800

The Hamfest will furnish complimentary van service between the Marriott and the fairgrounds. The Marriott provides complimentary van service between the hotel and the airport.

Here is a listing of other motels in the vicinity. We do NOT have special arrangements with them.

Best Western Highlander Inn	
4600 W. Henrietta Road	716-334-1230
Dorkat Motel	
390 W. Henrietta Road	716-334-7000
Econo Lodge-Rochester South	
940 Jefferson Raod	716-427-2700
Gateway Inn	
4831 W. Henrietta Road	716-334-9300
Hilton Inn	
175 Jefferson Road	716-475-1910
Howard Johnson's	
3350 W. Henrietta Road	716-475-1661
Luxury Budget Inn	
797 E. Henrietta Road	716-427-0130
Quality Inn	
800 Jefferson Road	716-475-9190
Red Roof Inn	
4820 W. Henrietta Road	716-359-1100

## FLEA MARKET INFORMATION

The flea market will open officially at 12 noon on Friday, May 17.

All flea market exhibitors must have a Hamfest registration ticket \$5.00 per person, and a flea market permit - \$2.00 for each parking space occupied (10 feet). Tickets and permits may be purchased in advance.

**ONLY** flea market exhibitors may use the

Calkins Road entrance to the fairgrounds.

A limited number of camper-RV hookups are available on the grounds. Please be aware that fairgrounds personnel will collect a nominal fee for the use of hookups and any use of electricity.

## TICKET INFORMATION

Everyone must register! Registration is only \$4.00 in advance, \$5.00 at the gate. (Children under 12 years old admitted free.)

Combined registration and Saturday banquet - only \$16.00 in advance. Limited to banquet hall capacity. Order in advance and save time and money. Advance sale closes May 11. Orders received on or after that date will not be mailed. Pick up tickets at the Marriott Hamfest desk. Tickets for the Friday evening VIP Dinner are \$18.00 each.

Outdoor flea market exhibitor permits only \$2.00 per parking space, in advance or at the gate. All flea market operators must hold a regular registration in addition to the flea market permit.

All checks should be made payable to:

### ROCHESTER HAMFEST

Send checks or money order directly to:

ROCHESTER HAMFEST - TICKETS  
174 Croydon Road  
Rochester, NY 14610

**Advance sale tickets will be available at the May 3 RaRa meeting!**

## FOR THE LADIES

The Rochester Hamfest prides itself by proving the very best entertainment for ladies (or anyone) who have little interest in radio.

Shuttle van service will again be provided for shopping in Rochester's newest and largest mall, The Marketplace.

There are five major department stores and over a hundred smaller shops and boutiques. Bring a good pair of walking shoes. The mall is huge, and is said to be the largest one between New York City and Cleveland.

The vans will operate all day Saturday, departing frequently from the fairgrounds and the hotel. There is no charge but those using the van service must hold a regular \$5.00 Hamfest registration ticket. The mall is only a mile from the fairgrounds.

There will be **NO** Sunday van service. The mall does not open until noon on Sunday.

# ROCHESTER HAMFEST – MAY 17, 18, 19

## PROGRAM HIGHLIGHTS

### FRIDAY – MARRIOTT INN

- \* 6:00 p.m. – RECEPTION – Foyer  
Meet your friends.
- \* 6:30 p.m. – VIP DINNER  
Dinner for the speakers and guests.  
Everyone invited.  
Tickets available in advance – \$18.00

### SATURDAY – DOME ARENA – 2nd Floor

Program starts at 10:00 a.m.

10:00 a.m. – 11:15 a.m.

#### SAYLARC

Jan Schuereman, WB2JCE,  
*Past President, YLRL*  
Linda Ferdinand, N2YL  
*Hudson Division Director*

Debating the merits of separate organizations and events for women hams.

11:00 – 12:00 p.m.

#### NATIONAL TRAFFIC SYSTEM

Doug Zuckerman, W2XD  
*Manager, 2RN/C2*

Results of cycle 3 activation in the eastern area.  
Progress toward packet radio message handling.

11:00 a.m. – 12:15 p.m.

#### ANTENNAS AND TOWERS

Gerry King, VE3GK  
*The "Golden Kilowatt"*  
Construction hints for homebrew towers and yagi beams. Restoring a 1½ ton homemade sky needle.

12:30 p.m. – 3:00 p.m.

#### INSTRUCTORS FORUM

John Foss, W7KQW  
*Training Programs Manager, ARRL*  
For current and prospective ARRL registered instructors. Program information, registration. Training aid review and critique. Special techniques for recruiting youngsters.

1:00 p.m. – 2:00 p.m.

#### TRAFFIC NET FORUM

Dawn Wierzbinski, WB2OWO  
*Manager, Western District Net*  
As informal meeting of members of WDN, NYPON, NYS, NYSPTEN, and other nets to exchange traffic handling techniques.

2:00 p.m. – 3:00 p.m.

#### 6th ANNUAL W2RUF MEMORIAL CODE CONTEST

Bill Thompson, W2MTA  
*Section Manager, WNY*

2:00 p.m. – 3:00 p.m.

#### NAVY MARS

Ed Kessler, W2EWQ/NNN0GBJ  
Topics of interest to Navy - Marine Corps MARS members.

3:00 p.m. – 4:30 p.m.

#### ARRL FORUM

Hugh Turnbull, W3ABC  
*Atlantic Division Director*  
Linda Ferdinand, N2YL  
*Hudson Division Director*  
Tom Atkins, VE3CDM *President, CRRL*  
Larry Price, W4RA *President, ARRL*  
Leonard Nathanson, W8RC  
*First Vice President*  
David Sumner, K1ZZ  
*Executive Vice President*

A review of current amateur radio issues. Latest happenings at ARRL, FCC, and DOC.

Question and answer period.

### SATURDAY – MARRIOTT INN

- \* 7:00 p.m. – RECEPTION – Foyer  
Meet your friends.

- \* 7:30 p.m. – ANNUAL BANQUET AND AWARDS PRESENTATIONS

Bruce Kelley, W2ICE, Master of Ceremonies  
Tickets available in advance – \$12.00.

#### AMATEUR OF THE YEAR AWARD

Nominations for Amateur of the Year Award have come from all areas of the Atlantic Division. The Amateur of the Year Committee has to select the best from those nominated. The award will be presented at the banquet.

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## How To Order A Name Badge or Cap

Mail orders may be submitted for 1¼" x 3" name and call badges and/or caps with name and call.

The name badges come in a variety of colors. Specify your color. We will come as close as we can if your color is not in stock. Cost only \$2.50 which includes postage and handling.

The caps come only in blue, red, green and gold. Cost only \$5.00 which includes postage and handling.

Send your order for a badge or cap to:

K2JD Engraving  
P. O. Drawer G  
Pittsford, New York 14534

Be sure specify your color and print your name and call as you want it to appear. Only two lines are permissible.

# ROCHESTER HAMFEST — MAY 17, 18, 19

## HOW TO TAKE AN EXAM AT THE ROCHESTER HAMFEST

Amateur license testing under the auspices of METROPLEX/VEC and sponsored by the Rochester Amateur Radio Association will be conducted at the Rochester Hamfest.

The Rochester Hamfest Volunteer Examiner Team (VET) under the direction of John Schooley, K2NC, have arranged to provide testing on both Saturday, May 18, and Sunday, May 19.

**Pre-registration is required. No walk-ins will be accepted.** Please send your request for testing along with a business size self address stamped envelope to:

A. G. de Blicke, KW2X, 59 Bay Knoll Road,  
Rochester, NY 14622

Your appointment and a copy of the new FCC 610 form will be returned promptly.

There will be a \$4.00 fee for taking an examination. Do NOT send money in advance. BRING a check payable to "METROPLEX/VEC" to the test session.

You will also need to bring along a copy (if you have one) of your current Amateur license and any code credit certificate or temporary operating certificate. You MUST also have two forms of positive identification.

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## SALES TAX . . . REVISITED

by Rich McCracken, N2EEL

Remember 1981's sales tax raid! I'll bet you thought that problem was behind us — think again! Sales tax is due on *all* sales or purchases which occur at a hamfest regardless if it involves a commercial dealer or simply two individuals in the flea market.

New York State has just announced a new procedure for the payment of tax whenever sales tax either has not been paid or whenever tax has been paid at a rate lower than the prevailing rate of the place where the item is used. A Form ST-130 (you may get your form at the local office of the NY Department of Taxation) is to be filed and the tax paid within 20 days after a purchase. This means that any purchase from an out-of-state vendor (event those "800" number purchases); purchases brought back into the State from that trip to Dayton; that flea market purchase at your favorite hamfest; that auction purchase last month; or, in some cases, even that

*RaRa RAG* "for sale" ad are taxable and require a special filing and payment of tax. Oh yes, there are penalties and interest for both late filing and late payment.

Of course, there is a solution to the problem. **Amateur radio equipment could be exempt from sales tax.** Yes, legislation is still pending which would exempt all ham gear from sales tax. Assemblyman Robach has been more faithful to this cause than we have. This is the fourth year that he has introduced legislation on our behalf. Perhaps we should be supporting his efforts with some of our own. How about a grass roots campaign this year throughout the State to get this bill passed.

**Assembly Bill A1429 (Robach) and Senate Bill S1031 (E. Levy) exempt from sales and use tax all "radio communications equipment purchased by persons holding a valid amateur radio license issued by the Federal Communications Commission for use directly and predominately in amateur radio communications".**

I ask you — do we really want this or are we just cluttering up the legislative process? Remember, we asked for it back in 1981 and it's slowly making its way through the system. This could be the year for passage if we all get behind it. And, if we don't get behind it, perhaps we should withdraw it. We ought to be writing our legislators, other clubs, vendors, dealers, the ARRL, etc. and get this bill passed. Why shouldn't New York State be setting the trend in a positive, progressive, manner instead of trying to overly tax our equipment?

As for this year's hamfest, NYS is entitled to 7% tax on each and every sale which is transacted at it and you are breaking the law if they don't get it. If we're lucky, they'll be gentlemenly in their efforts to collect it. If we're not so lucky, well... who knows. Roderick Chu, Commissioner of NYS Department of Taxation and Finance has said that tax will be collected on all flea market sales (including our hamfest). Need I say more?

If there is to be a permanent solution to this problem, it rests with legislation. Your hamfest committee has done all it can do to prevent another repeat of the 1981 fiasco. But, there are no guarantees that it will not happen again as long as there are sales tax violations occurring at hamfests, and there will be violations unless a tax is being paid on every dollar spent on every piece of ham gear purchased or sold at a hamfest (in or out of NYS, if that gear is used in NYS). It's our choice.

# ROCHESTER HAMFEST PULL-OUT SECTION

## COOLIE SCHEDULE — 1985

MAY 17, 18 & 19

Friday May 17 Meet at Dome 0830 hrs  
 Saturday May 18 Meet at Dome 0830 hrs  
 Sunday May 19 Meet at Dome 0900 hrs

I will need help for the following times. Friday will require help to set up the Dome from about 0830-1200. Lunch will be furnished, as usual, at 1200 for those working on set-up. Help will also be needed to assist organizing the Flea Market. I don't expect a large turnout for the flea market on Friday, but I could be wrong! I am trying to play this one by ear. I will need help on Saturday in three areas - Prizes, ARRL booth and the new booth aimed at students that are Non-hams. The student booth will be operated by Larry Wolfgang, WA3VIL, from ARRL but he will need someone in the booth to assist. The League booth will be operated as in past years - but will need some help off and on during Saturday and Sunday. I will need help on prizes both days - Saturday and Sunday. Saturday from 0830 to 1700 and Sunday from 0900 to 1300. I expect also to be asked for some help with programs, setting up etc, but have not had any requests yet?

Take down will be immediately after closing and we should be done by 1500 plus or minus! This will be a busy weekend and I am looking forward to working with everyone again. I would appreciate it if you could let me know what times you may be able to work.

N2EH

### Huether

#### Communications, Inc.

428 Ames Street, Rochester, NY  
 235-5087

#### Sales & Service

2-way Radio-Sound Systems  
 CB installs - Amateur Parts  
 Larsen Antenna RG8-8x-58 - Nicads

Open: Monday thru Friday - 8:30 to 5:00  
 Saturday - 9 to 1

FOR SALE: Kenwood TS-7000A all-mode 2m transceiver, TS-4000, etc., Hustler, Mosley antennas, foldover tower and many other items to settle WA2JMH estate. Telephone: 657-6622.

## ROBINSON ROCHESTER CYCLES

# TRIUMPH

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

### MOTORCYCLES

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## COMMERCIAL COMMUNICATIONS



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# Rochester HAMFEST

MONROE COUNTY FAIRGROUNDS  
**May 17-18-19, 1985**



## 15 kHz

(Continued from page 4)

Office of Science and Technology, expressed the opinion that 5 kHz ACSB channels for the new 900 MHz band should be mandated. Bell Labs now has a system that can even handle digital voice communications on 5 kHz channel separation." Mr. Lester concludes, "Ham radio is now faced with the peculiar, and different stance of going *backwards* in technology instead of leading it with new ideas and demonstrations of what is possible. Our use of SSB pushed the commercial HF world into SSB operation. Our use of autopatches sparked off a fantastic new revolution in 2-way commercial radio usage of telephone interconnection in combination with dispatch radio. How come we see actions to go backward in 2 meter operations, and not forward?"

As a final item, the group will form a sub-committee to look into reforming the *lower repeater subband* to 15 kHz separation channels to conform with the upper segment.

So it is now official: from Maine to Washington, DC, councils have agreed not to step back, and have unanimously adopted a 15 kHz standard of repeater separation on 2 meters.

Because of the controversy, the March 29 Teleconference Net will be partly devoted to 2 meter bandplanning. Hosted by VRAC Chairman Joe Eisenberg, WA0WRI; it will feature 20 kHz advocate Clay Freinwald, K7CR; and 15 kHz supporter Robert Thornburg, WB6JPL.

*Tnx - WESTLINK REPORT*

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## SHUTTLE NEWS — SOME GOOD, SOME BAD

We have received some good news, and some bad news, from NASA concerning the next "*Ham in Space*" mission.

The bad news is that it will not be possible to complete, in time for the mission, the Shuttle modifications that would have permitted antennas to be mounted in the cargo bay. This means that it will not be possible to use a 28 MHz downlink as previously planned.

The good news is that plans are moving forward for Tony England, W0ORE, to operate on 2 meters using the same window mounted antenna that was used by W5LFL in December, 1983.

Tony's mission is designated 51-F, and the launch is presently planned for July 15, although that date, like all Shuttle launch dates, is subject to change. It is scheduled to last seven days, and because of other mission requirements it probably will not be possible for the Amateur Radio

## LEGAL LINES

by Sherwood M. Snyder, W2KFU

In the April edition of *The RaRa Rag*, I referred to the widow of a decedent who obtained death benefits under the Workers' Compensation Law due to the death of her husband from work related exposure to microwave radiation. She has now instituted a court action for wrongful death against the manufacturer of the parabolic antennas leased to her deceased husband's employer.

The complaint alleged, among other things, that the manufacturer of the antennas was negligent in not properly shielding the equipment and in omitting to warn those who may be exposed to lethal radiation. The matter is still pending.

A claim, under the Workers' Compensation Law, is the sole and exclusive remedy by an injured worker, or his surviving widow, against his employer or fellow workers in the State of New York. However, it is not his sole remedy against others referred to in the law as "*third parties*".

Third party actions for harmful effects of radiation deal with visual, muscular or stress problems; loss of memory; cancer and microwave radiation disease.

Industry is very concerned about both Workers' Compensation claims and third party actions. Court decisions are very rare because most lawsuits are ultimately resolved by secret settlements.

In addition to Workers' Compensation benefits and third party actions, a person suffering from the effects of harmful radiation may apply for Social Security Disability Insurance benefits if his ability to engage in substantial gainful activity has lasted or is expected to last for at least twelve (12) months.

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antenna to be used until midway through the third day. Accordingly, Tony's operating time will be more limited than Owen's and it is unlikely that there will be much opportunity for random contacts. The focus will be on making contacts with youth groups through Amateur Radio clubs and other groups who want to assist in exposing young people to this exciting aspect of Amateur Radio and the nation's space program. In addition, time will be devoted to experimental transmissions of slow-scan television from the spacecraft, to test this mode as a possible backup to NASA's own video links.

We are still awaiting formal confirmation from NASA, but it is not too early to start thinking about how you will tune into the next radio amateur in space!

*Tnx - ARRL Letter*

## Today's Teenager...

### BROTHERS HAVE SIMILAR INTERESTS, DIFFERENT CAREER GOALS

Brothers Ken and Mike Williamson of Roth High School have hobbies and interests that help them meet people from across the country and talk with people on the other side of the world.

The brothers have been active in scouts, joining in state and national events that give them a chance to meet other scouts from different parts of the country. They both became Eagle Scouts this year, along with four other members of their Rush scout troop, No. 334.

They share common interests in computers; both brothers have taken courses in programming. They like the same sports; both are on the soccer and tennis teams at Roth. They also are avid ham radio operators along with their parents, Mr. and Mrs. Jeremy Williamson of Harvest Lane. They have talked with people in Holland, West Germany and France.

Although the two juniors are twins, the similarities appear to end there. Mike is interested in a career in electronics and engineering, possibly in a computer field. Ken is interested in journalism and communications, possibly in the area of broadcasting.

Those varying interests do have a common root, though, because both fields are related to ham radio. The brothers agree that working with the equipment helped get them interested in the careers they are considering.

The family became interested in ham radio through friends they made through use of "CB" radios. The brothers say they've gotten to know a lot of people in the Rochester area through ham radio conversations, people they may never have met in person.

"Sometimes you just talk to each other on the radio," Ken says. "People do have friends they've never seen, that they've talked to for 20 years," Mike says. Other times, ham radio operators get together to perform community services.

During the upheavals in Grenada, ham radio operators provided the only communication between American students on the island and their families, because all other lines of communication were broken. It's hard to put ham radio out of business, though, the brothers say.

"All you need for ham radio is someone with a generator and a radio," Mike says.

The scout troop the brothers belong to stresses service to others, also, sponsoring regular projects

## RRRA NEWS

There will be NO RRRA meeting this month in deference to the Hamfest that starts on our May meeting night. See you at the Hamfest!

The controller is up-and-running and we may even have a crack at getting Revision 3 firmware by the Hamfest. We've had a couple of *burps* since the controller went on line. One of the week-ends that K2RJ dared to go out-of-town we lost it all due to what was later diagnosed as low voltage to the controller. One of the 12 volt outputs of the power supply was actually only putting out 9-10 volts when the line voltage dipped (Radio Center turned-on the air conditioner!) and caused all kinds of wierd happenings. Luckily, that was easily fixed by using a *harder* 12 volt output.

When dialing one of the Emergency Autodial numbers listed in last month's RAG, do *NOT* try to send a leading # like you did in the old system. #911 will NOT work. Just use the three digit numbers without the #. The # is the only dump code, however, (unless you define your own).

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at the Rotary Sunshine Camp in Rush. The troop clears brush and weeds, paints fences and helps with general landscape work. Work at the camp helped the six troop members earn their Eagle Scout awards, as community service work is required to earn the highest scout honor.

Scouts must also earn 21 merit badges, which can take time, the brothers indicate. They say they learned about areas they studied to complete badges, including nature and wildlife, outdoor cooking and camping skills, small boat sailing and first aid.

They say they've learned a lot from other scout activities, also. Both attended the national "jamboree" in 1981 in Virginia, meeting scouts from across the United States and Canada. "You learn how to get along with people, how to meet people for the first time and get to know them," Ken says.

"It gives you responsibility," Mike says. "When we go camping, we have to plan everything, and if you don't plan it right, the leaders don't bail you out."

Although some of the skills they've learned through scouting may not be directly helpful in everyday life, the general experience and knowledge does contribute, the brothers say.

"It helps in just about everything we do," Ken says.

*Tnx - Rush-Henrietta School Newsetter*  
*Editor's Note: Mike is KA2HWO and Ken is KA2HWN.*

# The JOHN LONG TROPHY

by Bruce Kelley, W2ICE

The John Long Trophy was instituted just before WWII in memory of RaRa's first president, John Long, W8ABX. John was Rochester's most popular amateur until his untimely death about 1939. It has been a tradition to give the award at the annual hamfest.

For some reason the Award has been dormant in recent years. Ed Gable and I will re-activate the Award and make it available at next year's hamfest (1986).

The Award is a handsome silver-plated high power handkey mounted on a wooden plaque with engraved inscription. Each year it is passed on to the new winner. And how does one win this award? "See picture on back page."

The first RaRa member to have verified contacts with all 50 states on CW is the winner. The contest starts Saturday night after the hamfest and the first RaRa member to submit 50 qsl cards dated May 19, 1985 and later will receive the Award. Contact K2MP or W2ICE for more information.

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**Your FOR SALE or WANTED could  
appear here free!  
(To RaRa members)**

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**FOR SALE:** Final call - Must sell 65½ ft. RG-218/U coax. Best offer takes it. Irv Goodman, AF2K, 671-4430.

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**FOR SALE -** Heath SB-104A (*needs work*), power supply, manuals - \$250.00; SB-634 - \$35.00; HR-1680 rcvr - \$45.00; HD-1410 keyer - \$20.00; DX-1000 xmtr - \$30.00; Johnson Viking Valiant - \$75.00; BC-348 - \$18.00; Bell & Howell DMM - \$25.00; Bell & Howell electronic tech. books - Vol. 1 thru 11 with SMHZ scope - \$100.00. WB1EIB, 889-5772 (TDD) or via Hi-Line 244-1690 weekends.

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**FOR SALE:**

6 meter Saturn mobile halo \$ 8.00  
6 & 2 meter mobile halo \$10.00  
Heath Benton Harbor Lunch Boxes  
with manuals: 10M, HW-19; HW-29A;  
2M, HW-30, as is. \$20.00 ea.  
Howard P. Caudle, W2RSU, 872-4684

# COPS CORNER

by Howie Davies, N2CUN

## Fire Safety in your home.

Now that our weather is changing to more favorable conditions, wouldn't it be a good time for you and your family to practice fire safety.

First, on the list would be to check all telephones to be sure that all emergency numbers are written down. Some phone numbers to list are: LifeLine (if you have such a service in your area), Fire Department, Police Department and Ambulance. Most Volunteer Agencies have stickers available.

Secondly, check with your local Fire Department for correct positions and install several smoke detectors. Usually at the top or bottom of each staircase in your home and hallways, should be covered.

Thirdly, plan with each member of your family, a family drill. Make it a game, to see that each member of your family will meet at certain location in your home, then plan your escape. It might be wise to plan more than one escape route in case that fire blocks one route, you can then use Plan #2. Do this drill several times with your family, practice might save a life. Again consult your local Fire Department for some real good ideas.

In closing I want to remind all of you that studded snow tires must be removed from your car by May 1st.

*73's - 55 paydays to go.*

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## NEW BANDS DOCKET DELAYED

Responding to a Petition filed by Corwin Moore of the Personal Radio Steering Group, the FCC extended the reply comment deadline in PR Docket 84-960 to March 12. 84-960 is the proposal to allocate spectrum at 10, 24 and 902 MHz to the Amateur Service.

The unfortunate result is that the Private Radio Bureau staff will not complete its work on 84-960, including the 24 MHz allocation, in late March or early April as expected; the whole thing will be set back probably to mid-May. Another two or three weeks may ensue in getting the matter onto the FCC agenda.

*Tnx - The ARRL Letter*

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**FOR SALE:** Cleaning shack: Ten Tec Delta, NB, PS, CW filter (\$420), HW-8 (mint, \$90), plus much test equipment, etc. Call 624-4692 (W2GTE) for list.

