



# the RARA RAG

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**ROCHESTER AMATEUR RADIO ASSOCIATION, INC.**

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NO. 9

## MAY 4th MEETING TO FEATURE A TALK AND DEMONSTRATION ON BIOMECHANICAL ASSISTANCE DEVICES

The May 4th meeting of RaRa will feature a talk by Chuck Kinsey, a Biomechanical Assistance Program Coordinator at the Monroe Developmental Center. Chuck, whose degree is in Speech Pathology, is an old-time tinkerer, and decided to get into a field where his tinkering abilities would be of use.

Chuck will give a talk on the design of Electro-mechanical Equipment for the Handicapped. He will also provide demonstrations of home-built devices he created, along with some commercially available equipment they currently utilize. Since the cost of electromechanical devices is somewhere out in the stratosphere, Chuck will tell us how we can get involved with our skills and spare time to help handicapped individuals.

This meeting is also our annual meeting where officers and board members will be elected. Please plan on attending this very important meeting at 8:00 p.m. at the 40/8 Club, 933 University Avenue.

### **RaRa ANNUAL MEETING MAY 4, 1990**

**This annual meeting is held each year for the purpose of electing new club officers and directors as well as determining dues for the following year.**

**The meeting is scheduled to begin promptly at 8:00 p.m. at the 40/8 Club, 933 University Avenue.**

**Please plan to attend to support your club.**

## HAMFEST "90"

by Ed Holdsworth, N2EH

This year's "HAMFEST" promises to be the biggest and best that you will see this side of the Mississippi! (except Dayton). We are now approaching the 100 mark for booth space sold in the Commercial Area in The Dome. The Outdoor Flea Market continues to make steady gains. Now is the time to show support at the local level so we can continue to attract a good representation of equipment that you are unable to see locally the rest of the year.

Now, as never before, your support is what is needed to keep this Hamfest one of the finest in the northeast. The continued increase in attendance will attract more dealers which will attract more attendees which will attract more dealers and so it goes on and on and on!! We, who work to bring this event to Rochester every year are very excited as show time approaches and we are looking forward to a very successful event.

See you all at the show!

## RDXA MEETING — MAY 15th

Our May meeting will feature a general DX Chasing forum discussion. How to work thru a pile-up; QSLing, modes, bands and how to start out as a DXer will be covered. Here's your chance to find out how the guys with 300+ did it.

Everyone interested in DXing is invited - 111 Westfall Road, 7:30 p.m. Call Bob, WE2T, for any questions - 334-1103.

*RDXA Secty/Treas*

### SILENT KEY

ROBERT E. CRAIG  
KE2LF

March 7, 1990

# the *RARA RAG*

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**ROCHESTER AMATEUR RADIO ASSOCIATION, INC.**  
P.O. Box 1388, Rochester, NY 14603-1388

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24 Elaine Drive, Rochester, NY 14623 (716-334-1762)

## SUMMARY OF OT NIGHT'S PROGRAM

by Bruce Kelley, W2ICE, Club Historian

Dates to be remembered:

- 1912 First recorded date of amateur activity in Rochester.
- 1914 Rochester Wireless Association founded. Regional groups within city communicate with one another.
- 1917 (January) Rochester amateurs initiate first long distant relay by sending message to Scranton, Pennsylvania via Ithaca and Binghamton.
- 1921 Radio Club of Rochester is organized.
- 1926 Rochester amateurs make first local broadcast from an airplane flying at 3000 feet!
- 1931 Rochester Amateur Radio Association (R.A.R.A.) organized. Receives affiliated charter from ARRL signed by League president Hiram Percy Maxim, W1AW. RaRa officers: Pres. - John Long (W8ABX), Vice Pres. - Al Balling (W8ALY), Sec'y - Ken Gardner (W8BGN), Treas. - Charlie Houck (W8APD).
- 1932 First RaRa publication: "*The Monitor*" with Jerry Hall, W8AHK, as editor.
- 1933 10th Annual dinner (Hamfest) at Sagamore Hotel (Cost: \$1.00). (This would indicate earlier dinners dating back into the 1920's under the former Radio Club of Rochester.)
- 1934 Annual Hamfest at Central YMCA (Gibbs Street).
- 1935 Hamfest at Columbus Civic Center (Chestnut Street).
- 1936-40 Hamfests at Seneca Hotel and YMCA.
- 1946 First postwar hamfest at Powers Hotel (Main Street).
- 1947-52 Hamfests at various locations including the Leiderkranz Club (Main Street). Began publishing "*RaRa Rag*".
- 1953 Hamfest at Elk's Club (Clinton Ave. N.).
- 1954-63 Hamfests at Doud Legion Post (Buffalo Road).
- 1964-70 Hamfests at "Vince's 50 Acres" (Rte. 15).
- 1971-to date Hamfests at Monroe County Fairgrounds.

The club recognized Sax Ringler, W2SAW, as the oldest member present (85 years) and the earliest licensed: 1921. Sax also holds the distinction of being top DX man in the area having 361 countries worked and confirmed.

VOL. 42                      MAY 1990                      NO. 9

### OFFICERS:

President: Bob Hobday, N2EVG                      624-3368  
Vice President: Neal Eckhardt, WB2EKP                      359-2672  
Secretary: Pete Secrist, WB2SUN                      265-2028  
Treasurer: Dick Goslee, K2VCZ                      334-1762

### BOARD OF DIRECTORS:

Dave Bernheisel, N2DPF                      244-1856  
Michael Eeckhout, N02Z                      352-9578  
Keith Freeberg, N2BEL                      589-8901  
Irv Goodman, AF2K                      671-4430  
Ed Holdsworth, N2EH                      624-1929  
Robert O'Connell, NF2Z                      482-7382  
Bud Young, WA2UGE

Club Historian: Bruce Kelley, W2ICE  
Public Service Coordinator: Edwin Holdsworth, N2EH  
License Testing Director: John Schooley, K2NC  
Membership Chairman: Keith Freeberg, N2BEL  
Licensing Course Director: Edward Gable, K2MP  
Hamfest General Chairman: Harold Smith, K2HC  
K2JD Engraving Director: Robert Lauzon, K2RL

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Amateur Radio News Service

## DRUNK DRIVERS IN OTHER COUNTRIES DON'T GET CAUGHT IN EL SALVADOR

Ever wonder how other countries administer justice to drunk drivers? Well, here are a few examples.

- Australia:

The names of the drivers are sent to local newspapers where they are printed under the heading ... "He's Drunk And In Jail"!

- Malaya:

Drunk drivers are taken 20 miles out of town by the police and forced to walk back under escort. By the time they get back they are not only sore, but they are sober too!

- Turkey:

On the first offense, three weeks in jail at hard labor and one year suspension of drivers license. On the second offense within five years, the license is revoked for life!

- Finland & Sweden:

Automatic jail for one year at hard labor.

- Costa Rica:

Police remove plates from the car.

- Russia:

License revoked for life on first offense.

- England:

One year suspension and \$250 fine and jail for one year.

- France:

Three year loss of license, one year in jail and a \$1,000 fine.

- Poland:

Jail and fine and forced to attend political lecturer!

- Bulgaria:

A second conviction results in execution! I wonder what you get for the first conviction?

- El Salvador:

Your first offense is your last. Execution by a firing squad.

*Tnx N2IMC via The Readout*

## YOUNGSTERS MEET

"Youth Link Net" is open to all Amateurs under the age of 18. They try to meet every Saturday at 2000 UTC on 28.425 (+1) MHZ.

For more information contact Net Control, George Manning, WB5NMH, 602 Glendale Street, Burkburnett, Texas 76354. Information submitted by Bobby Blakeslee, KB2GHX.

*Tnx Metroplex*

## RaRa CALENDAR FOR MAY

*(Please check with the respective club officers for correct times and locations of club meetings.)*

4 - RaRa Meeting - 8:00 p.m.

40 & 8 Club, 933 University Avenue

10 - Packet Group Meeting - 7:30 p.m.

111 Westfall Road

15 - RDXA Meeting - 8:00 p.m.

111 Westfall Road

19-21 - Rochester Hamfest

## ANTENNA SYSTEM FOR APARTMENTS

A simple, effective antenna system for limited space or portable operation is available from Burk Electronics, 35 North Kensington, La Grange, Illinois 60525, (312) 482-9310.

A center bracket converts two 3/8 24 thread center-loaded mobile antenna into a dipole. The resulting antenna is balanced, which reduces TVI and allows operation without a "radio ground".

Maximum assembled length is 16 feet. Disassembled size is under 54 inches. Performance on all bands other than 6 and 10 meters is less than a full size dipole but exceeds that of any commercially produced indoor antennas we have tested. Measured field strength is higher than obtained by a single antenna mounted on a vehicle. Once tuned, the system can be assembled or disassembled in less than a minute. The antenna system can be placed on a table, mounted on a balcony or attached to various stands.

*HANDI-HAM World - Fall 1989  
via Sandy, N2JZX, via Metroplex*

## STOP DIETING

Successfully developed and tested in Europe for 5 yrs. on 20,000 people. Average weight loss 18-22 lbs. in the first month. STOP DROPS curb your appetite and sugar craving naturally. NO SIDE EFFECTS, NO DULL FOODS, NO SHAKES, NO POWDERS. HERBAL STOP DROPS WORK!

**Robert Collesano, KC2YC**  
**258-3350 OR 1-800-836-8077**

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# ANNUAL MEETING NOMINATIONS

This following is a copy of the letter from the RaRa Nominations Committee to RaRa president Robert Hobday, N2EVG, which was read at the April meeting:

March 26, 1990

To: Robert J. Hobday, N2EVG, President  
Peter D. Secrist, WB2SUN, Secretary

The 1990 Nominating Committee has selected the following slate of candidates to be placed in nomination for positions as Officers and Board of Directors for the Rochester Amateur Radio Association during 1990-1991. Each candidate has indicated a willingness to serve and has accepted their nomination.

The nominees are:

## OFFICERS:

Vice-president - Peter D. Secrist, WB2SUN  
Secretary - Bernard M. Agins, KD2CU  
Treasurer - Richard A. Goslee, K2VCZ

## BOARD OF DIRECTORS:

Keith F. Freeberg, N2BEL  
Roger C. Harnaart, WB2BWQ  
Robert J. Hobday, N2EVG  
Edwin J. Holdsworth, N2EH  
Ronald F. Nelson, KA2GLG  
John L. Schooley, K2NC  
Ralph P. Young, Jr., WA2UGE

Respectfully submitted by the  
Nominating Committee,  
David W. Payne, KA2J  
Lloyd R. Caves, WB2EFU  
Gilbert R. Chapin, WB2UTI

Pete lives in Webster with his wife Patti and youngest daughter. His other children have moved and live in Colorado, Alaska, Ohio, Florida, and Henrietta.

Pete has been active in the January VHF contest and is active on HF when time permits. He also is Trustee for the Xerox ARC repeater WB2SUN/R on 224.26 and 444.825.

(The floor will be opened for additional nominations for Vice-President at the Annual Meeting.)

## TREASURER:

RICHARD GOSLEE, K2VCZ

Licensed for 34 years Dick currently holds as "Advanced" class license with the call K2VCZ. He has been a member of the Board of Directors for the past six years and has served as Vice-President, President and currently as Treasurer. Dick is also a Life Member of the Genesee Conservation League and served as a Director there for 12 years. During that time he served as Secretary, Vice-President and three terms as President. Dick is currently serving as a Director of the "Genesee Conversation Foundation", and also as a Director "Genesee Repeater Association" (19/79). He is employed as the Operations Manager at Heath/Zenith Computer & Electronics. These many involvements don't leave as much time as Dick would like to get on the air or to work at his other hobby, catching large bass in the area lakes.

(The floor will be opened for additional nominations for Treasurer at the Annual Meeting.)

## BOARD OF DIRECTORS:

KEITH F. FREEBERG, N2BEL

I have had the pleasure of serving you, the membership, for several years now, I have Co-Chaired various committees and served as Secretary and as a Director. It would give me great pleasure to once again serve you in the capacity of Director.

Please do not hesitate to contact me concerning any aspect of Amateur Radio and RaRa.

☆☆

ED HOLDSWORTH, N2EH

Ed lives in Honeoye Falls with his wife, Joyce. He enjoys spending time with his 5 sons, Jim, Steve (WA2EJY), Cary, Gerry (WA2IMA), Keith (KA2GCG), his 3 daughters-in-law, Linda, Debbie and Maggie and 4 grandsons and 1 granddaughter.

Ed was licensed in 1968 and currently holds an Amateur Extra class license. He is very active with the club as shown by his past history with RaRa. Previous positions held include Secretary

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## PERSONAL STATEMENTS

As customary, each person who is nominated has an opportunity to present a personal statement in the RAG prior to the Annual Meeting. There will be an opportunity to present nominations from the floor prior to the actual voting for officers and Board of Director.

### VICE-PRESIDENT:

PETER D. SECRIST, WB2SUN

Pete was first licensed in Ohio during the mid 1950's where he was active for about 10 years. After moving to Rochester in 1969 and attending night school at RIT, he started over as a Novice in 1977. He recently has upgraded to Extra Class.

Pete has completed his second year as Secretary. With your input and support the program for next year will be successful.

(1 year), Vice-President (2 years), President (2 years), Board of Directors (20 years) and K2JD Club Station Trustee. Other responsibilities include Emergency Coordinator and RACES, Radio Officer for Monroe County, Affiliated Club Co-ordinator and Assistant Section Manager for the W.N.Y. Section, Assistant General Chairman for the Rochester Hamfest.



RON ELSON, KA2GLG

Ron has been a ham and a member of ARRL since 1979. Also, a member of the Genesee Repeater Association, RaRa and has served as Secretary of RRRRA. Ron is very active with Public Service events each year working for WAS 5 bands plus DXCC on HF.

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## BOY! THAT MAKES ME MAD

- receiving your Novice Amateur Radio License and finding your name misspelled
- hams that send code faster than anyone can talk
- a group QSO when someone remembers everybody's callsign and repeats them every time they speak
- a ham who buys only one raffle ticket at the club meeting and then wins the HT
- a ham eating something while carrying on a QSO

by Authors Anonymous, RU2MAD  
via the Intermod and the Groundwave

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## ROCHESTER HAMFEST MAY 18, 19, 20, 1990

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### NEEDED:

A friend and colleague of mine runs a recreational center for people with disabilities is looking for mobile CB equipment. Since there are a number of cars and vans that go on field trips, picnics, etc., it would help in communications if they had such equipment. If you or any one you might know has any used mobile CB gear in working order that you are not using and would like to donate to a good cause or sell at a low to moderate price, please contact John at 865-9888. If I am not at home, please leave your name and number on the answering machine.

## THE RaRa RAG 20 YEARS AGO — MAY 1970

by Ed Gable, K2MP

This issue, in a similar fashion to the April offering, was filled with news of the pending 1970 Hamfest. Tickets could be had from Bob Lozen, WB2ERE, or from Rochester Radio by seeing Pat Hoke, W2CYG. The May RaRa meeting will be the updated AWA slide presentation: *The World Above 50 Megacycles*, presented by AWA Board member and premier VHFer, Hank Blodgett, W2UTH. The RaRa Nominating Committee reported on their slate for club Officers and Board members. For President, George Negus, K2OIU; Vice-President, Richard Koehn, WB2SNA; Secretary, Ed Holdsworth, WA2EKR; and Treasurer, Joe Marsey, W2EMX. To the Board of Directors: Al Mumby, WB2MCP; Ben Mitchner, WB2WBZ; Roger Dunham, K2EQK; Joe Hood, K2YAH; Len Gessin, WA2ZNC; Wally Kincaid, WB2HZG; and Harold Smith, WA2KND. Nominated from the floor at the April meeting was Jerry Vogt, WA2GCF. The Rochester Repeater Group met to discuss and finalize their formal comments on the hotly debated new FCC docket 18803, the then famous "Repeater Docket". The new ARRL Atlantic Division Director, Harry (Connie-Mac) McConaghy, W3EPC, will make his first visit to the Rochester Hamfest, it was reported. Continuing as a long time advertiser was Hague Street's Glenwood Sales offering *Everything for Amateur Home Brew Work*.



### AWA MUSEUM OPEN FOR SEASON

Village Park, East Bloomfield  
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Saturday and Sunday - 2 p.m.  
Wednesday - 7 p.m.  
(No admission charge)

**FOR SALE**—Crank-up tilt-over antenna tower. Wilson Model TT-45B - adjustable height from 30 to 45 feet elevation. Tilt-over feature lets you work at ground level. Includes spare winch (never used). Asking \$150 or best offer. Moving; must sell. Call Paul, WB2GRR, at (716) 586-0975 anytime.

# FCC PROPOSES TO ADD COMMUNICATOR, SIMPLIFY LICENSE STRUCTURE IN PR DOCKET 90-55

On February 8, the FCC decided to propose a codeless class of amateur operator license called Communicator. The Communicator Class would be incorporated into a licensing structure containing four ascending classes: Communicator, General, Advanced, and Amateur Extra. Current Novice and Technician Class licensees would be grandfathered indefinitely but no new licenses for those classes would be issued.

According to the FCC news release announcing this decision, the Communicator Class license would satisfy three major objectives. First, to offer an entry level license for all persons who find telegraphy a barrier to pursuing the purpose of the amateur service. Second, to design a codeless license that can easily be implemented into the current licensing process. Third, to avoid any negative effect upon current licensees, the volunteer examiners who administer amateur examinations, or the Commission's workload.

It appears that the FCC is proposing two versions of the Communicator Class. The first would not require knowledge of Morse code. The "codeless Communicator" would be permitted to operate on the 220 MHz and higher amateur bands. A Communicator Class licensee passing or receiving credit for a telegraphy examination would be authorized the privileges of the current Technician Class. Applicants for the new Communicator Class would be required to pass a 60 question written examination comprised of questions from the two pools currently used in the Novice and Technician license examinations as well as additional new questions.

The proposed transmitter power for the Communicator Class is 200 watts PEP. All emission types would be permitted. Call signs for Communicators would be issued from Group D.

Upon initial review, ARRL Executive Vice President David Sumner, K1ZZ, commented "The FCC proposal differs in one very major respect from the League's petition, RM-6995: the Commission proposes to stop issuing Novice licenses so that the one point of entry into Amateur Radio would be Communicator. This differs substantially in philosophy from what we have envisioned.

"While the League will not have an official position on the FCC proposal until one is adopted by the Executive Committee or the Board, it is fair to say that we have long placed great importance

on the retention of the Novice license as a means of entry into Amateur Radio. It would not be overstating the past and present League position to say that retention of the Novice license is deemed absolutely essential". However, Sumner cautioned that amateurs should wait until they have an opportunity to study the Notice of Proposed Rule Making before forming opinions on the Commission's proposal.

The Commission is requesting comments on all aspects of this proposal. There will be a comment period of six months, beginning on the date it is published in the Federal Register. This will be followed by a one month period for reply comments.

*Tnx ARRL Letter*

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## DIGITAL RADIO NEWS

by Ed Rodrigues, KB6DRN

Clinical trials are being performed on an ingestible capsule used to monitor the human body internally for temperature, heart rate, acidity, electrical conductivity and pressure. The capsule which measures 3/4 inch long contains, a telemetry system, NiCad battery, crystal temperature sensor, four ceramic substrates with electronic components and a communications coil encased in an epoxy, silicon-coated shell.

The sensed information is sent via telemetry to a receiving coil located in the user's T-shirt which in turn is wired to a computer. John Hopkins Applied Physics Laboratory in Laurel, Maryland has developed the unit which is funded by NASA with "input from physicians, military personnel and other researchers interested in using ingestible monitoring systems".

Russell Eberhart, program manager for the project indicated that his team "is working on an ambulatory receiver the size of a calculator that can record for a day and then download the transmitted data to a computer for analysis". "Technology has finally caught up with the size of the gastrointestinal tract".

*Tnx The Readout*

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## ROCHESTER HAMFEST

MAY 18, 19, 20, 1990

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FOR SALE - 40' Rohn 25G tower, Ham M rotor, and KT-34 a beam antenna - \$200. Deluxe homebrew 2kw linear amplifier with spare 3-1000Z - \$400. Call Wally Kincaid, 865-2606.

# "CRICKET CAGE" (AMTOR) BEST KEPT SECRET IN AMATEUR RADIO

AMTOR (Amateur Teletype Over Radio) was approved by the FCC in January of 1983 and is the best-kept secret in Amateur radio. AMTOR removes virtually all errors caused by interference, fading or other disruptions. AMTOR is a derivation of the commercial teleprinter system, SITOR which stands for Simplex Teletype Over Radio. It's a commercial hf RTTY error corrections system used by many ships and coastal marine radio stations.

AMTOR is the best kept secret in Amateur Radio today. To keep it that way, we never let the signal sound like a conventional QSO. To fool 'em we make the signal sound like something exotic, like a cricket! Tune around 14.070 to 14.080 KHz. Hear 'em? Welcome to the "Cricket Cage"! You've found the digital oasis... AMTOR!

What's that? You say it sound like an ole RTTY nest? If it does, that is because it is RTTY, but, with a modern touch. Some evening at 6 p.m. (EST), tune in 14.095 KHz. That strong signal is W1AW from the ARRL in Newington, Connecticut. If you are prompt, you'll hear the RTTY signal first sending ARRL bulletins. After a few minutes they'll switch to ASCII, which sounds like a real fast RTTY. In another few minutes they will send the same bulletins in forward error correction mode (FEC) of AMTOR.

Two AMTOR modes exist. The FEC mode is the one-way transmission mode. It's used only for broadcasting bulletins and to call CQ. The other mode, ARQ, Automatic ReQuest for corrections, is the heart of AMTOR. ARQ is what the crickets are doing.

Let's go back to a clear spot around 14.075 KHz and call CQ in the FEC mode. Here is a typical call: CQ CQ DE W4AT W4AT W4AT SELCALL WWAT WWAT CQ CQ, etc., ending with PLEASE K or GA. Suppose EA1BYF answers back. He types in my SELCALL, WWAT, and hits (Enter) on his keyboard. Conditions are good and we establish a link, his call automatically shifts my rig from FEC to ARQ mode and we continue the QSO with our assigned calls. If I were to see his CQ I'd use his SELCALL, EBYF, to establish the link between our two stations.

So, the secret is out! Those crickets you hear are two stations linked in QSO, one sending 3 bytes at a time (bleep) and the other sending one byte (blip) that say either (in effect) "QSL" or "say it again". That's ARQ, a great rag chew,

DX or traffic handling mode. As long as the line is maintained, the two stations get perfect copy, even though eavesdroppers may not. There's much more.

The bottom line is it's fun to operate in the "Cricket Cage". And if you haven't got a mode and computer, at least you now know what those critter-like signals are about!

*Tnx W4AT and Austin ARC AARC- OVER  
via The Readout*

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## ICOM AMERICA TOLL FREE HOTLINE

ICOM America has installed a toll free literature request hotline for its retail customers. Those in need of information can request any ICOM literature by calling (800) 999-9877.

The line will be answered automatically and you will be asked to state your name, address and the literature you are requesting. Your request will be mailed the next working day.

*Newsline - Amateur Radio Independent on  
the Air Bulletin Service via Metroplex*

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## SHOP TIPS

To stop your screwdriver or pliers from picking up steel nuts and screws, insert the screwdriver all the way into the area between the rods of your soldering gun. Then turn on the gun and slowly withdraw the screwdriver. It will be demagnetized upon withdrawal.

*Roger Mace, W6RW,  
via Worldradio via Metroplex*

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**FOR SALE** - Split level home with paneled shack at 130 Centerwood Drive (Greece), \$90K. Equipment is negotiable. Call Wally Kincaid, W2PG, 865-2606.

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Classified ad:

**FOR SALE:** Complete set of Encyclopedia Britannicas. NEVER USED: Teenage daughter already knew everything."



## HIGH-TECH DRUG SMUGGLERS

### SATELLITES, SCANNERS, REPEATERS, RADAR DETECTORS

Drug dealers are investing their illicit money in high-tech electronics to avoid detection, arrest and seizure of assets. These devices run the gamut from hidden microphone detectors to modern day satellites. A pocket-sized hidden microphone detector detects VHF-UHF range body "bugs" (wireless microphones) used by undercover law-enforcement officers putting such officers at additional risk.

In many cases drug traffickers have better two-way communications than the police. One Mexican organization used 460 Mhz UHF radios with touchtone pads to link to base stations through repeaters and then bring up autopatch connections. This group also used SSB, RTTY and even Packet to further their operations.

Traffickers are using facsimile machines (FAX), computers, two-way radios with scramblers, pagers, scanners and even spectrum analyzers to monitor HF, VHF and UHF law enforcement frequencies. Some groups have equipped their drug smuggling aircraft with radar detection equipment and night vision devices to avoid detection. Illegal frequencies, many in the Amateur bands, are used for communications. Many times smugglers will use a duplex repeater system whereby they transmit on one frequency and receive on another frequency.

A group in northern Mexico placed repeaters in the southern desert of Arizona which allow them to maintain radio contact with a ship in the Gulf of California. The infamous Medellin, Columbia drug cartel has reportedly conspired to import satellite communications equipment. According to a report in the San Francisco Examiner, drug agents discovered yet another ingenious way of smuggling drugs into this country. The new technique involved liquefying the drug and saturating the pages of books. The books then passed through U.S. Customs checkpoints undetected and smugglers then soaked the pages in a chemical to extract the heroin.

➤ *Tnx The Readout*

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## ROCHESTER HAMFEST

### MAY 18, 19, 20, 1990

## PUBLIC SERVICE EVENTS FOR 1990

EVENT	DATE
Parkinsons Crop Walk	4/21/90
Alphabet Run	4/29/90
Lilac International Biathlon	5/27/90
Webster Sprint Triathlon	6/02/90
Susquehannock Pro-Road Rally	6/02-03/90
Northampton Park Carriage Competition	6/03/90
Human Race	6/10/90
Chili Travel Tournament	6/15/90
Finger Lakes Triathlon	6/17/90
American Lung Association Bike Tour	6/30/90
Mendon Pony Club Competition	7/07/90
Mendon Pony Club D Rally	8/11/90
Walnut Hill Driving Competition	8/16/90
Rochester-Monroe Epic Bike Tour	8/18/90
Hamlin Beach International Triathlon	8/19/90
Rams Bike Tour	9/08/90
Mendon Pony Club Meet	9/01/90
Irondequoit Triathlon	9/16/90
R. E. Ginna Pre-Drill	10/17/90
R. E. Ginna Evacuation Drill	11/28/90

### Patrick C. Moyer, N2AIW Attorney & Counselor-at-Law

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