



# *the* RARA RAG

Published by

**ROCHESTER AMATEUR RADIO ASSOCIATION, INC.**

VOL 41

MAY 1989

No. 9

## **RaRa ANNUAL MEETING MAY 5, 1989**

**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.**

## **ROCHESTER HAMFEST "89"**

by Ed Holdsworth, N2EH

The Rochester Hamfest is about ready to go – the weekend of May 19-21 will again be the time to buy new radios and miscellaneous equipment, clean out the shack to make way for the “new” equipment and attend some of finest programming available in the northeast. If you have not made plans for attending – there is still time to make room in your schedule.

This year’s “Hamfest” has an increased number of commercial vendors in the Dome and there will undoubtedly be an increase in the number of vendors in the indoor flea market which has been growing each year since it was started two years ago. We are looking forward to the usual help of the local weather man to arrange for good weather.

Remember – the “Hamfest” is sponsored by the Rochester Amateur Radio Association to provide the area with quality products and can only continue to be the success that it is with the help and support of you – the members.

Remember when you are on the air – talk it up.

## **MAY 5th MEETING TO COVER AMATEUR TELEVISION**

Bill McDonnell, KG2F, and Peter Neenos, N2EXN, will provide an introduction to the world of ATV repeater systems and show a video tape of the repeater, repeater site, and various operational scenes recorded both off the repeater and simplex. This will be an interesting and exciting view of the world of amateur television. Don’t miss it.

## **GRC COORDINATING LEAKAGE DETECTION EFFORT**

Greater Rochester Cablevision is implementing a pro-active program to eliminate or control all signal leakage from the GRC system. Recognizing that Amateurs in the Rochester area operate on the same frequencies, GRC would like to offer a process where any Amateur detecting signal leakage from GRC’s plant can report the problem directly to GRC.

To report a leak, call Ed Pickett at 325-1111, Monday - Friday, between 9 a.m. - 5 p.m., and identify yourself as an Amateur Radio Operator reporting signal leakage. After a repair has been completed, GRC will contact you by phone or mail to confirm that the leakage has been eliminated or controlled.

As this is just part of a larger program to deal with system leakage, GRC anticipates a fairly significant workload to develop over the first few months. The goal is to resolve system leakage reports within several days of reporting, but initial workloads and procedure familiarization may extend the response time to seven to ten days during these first few months.

GRC is dedicated to operating a closed coaxial system not only because of technical requirements to do so, but also because a closed system provides better picture quality and is easier to maintain. Achieving this goal will improve the RF environment for all users of this valuable frequency spectrum.

# the *RaRa Rag*

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

**Co-Editors** ..... **Neal Eckhardt, WB2EKP**  
80 Authors Avenue, Henrietta, NY 14467 (716-359-2672)

..... **John J. ("Jack") Dempsey, KA2PJM**  
357 West Squire Drive, Apt #1, Rochester, NY 14623  
(716-424-1637)

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

**Advertising Manager** ..... **Dick Goslee, K2VCZ**  
24 Elaine Drive, Rochester, NY 14623 (716-334-1762)

## ROCHESTER VHF GROUP CELEBRATES 40 YEARS

by Ed Gable, K2MP

On Saturday night, April 7, 1989, the Rochester VHF Group officially celebrated 40 years of continuous operation making it the oldest such club in the country. The dinner meeting was combined with the annual VHF Contest awards night.

RVHFG Chairman Tom Hodge, WA2YTM, introduced five of the 14 original charter members in attendance. These were: Dick Fish, W2OWF; Chet Minges, W2VVG; Ken Evans, W2UAD; Harriet Blodgett, K2KLP; and from Syracuse, Sam Caputo, W2RSL. Ken Evans spoke for the gang and told of the early Group meetings. Ed Gable, K2MP, followed with a brief history of Amateur Radio VHF operations and brought some 5 meter and RVHFG project rigs for demonstration.

The lighthearted contest awards banquet then followed with none other than the contest chairman himself, Wayne King, N2WK, getting things started by rolling people in the aisles with his stand up comic routine. Wayne surprised many attendees by revealing a fairly well kept secret that the RVHFG came in **First Place in the Nation** for the limited Club category. Over 25 trophies and call sign badges were given out. It is impossible to list all the winners here, but it is traditional to list the top single operator station which this year was Dave Halidy, KD5RO/2.

Did I say the top place results were secret? No, not completely. Ev, WB2ELB, for the Group, gave a special award to Contest Chairman Wayne King, N2WK, for his outstanding efforts to lead the club to a record high 1.13 million points!

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### OFFICERS:

President: Dave Bernheisel, N2DPF                      244-1856  
Vice President: Bob Hobday, N2EVG                      624-3368  
Secretary: Pete Secrist, WB2SUN                      265-2028  
Treasurer: Dick Goslee, K2VCZ                      334-1762

### BOARD OF DIRECTORS:

Chet Albrecht, WB2MDO                      865-6440  
Lloyd Caves, WB2EFU                      671-7079  
Neal Eckhardt, WB2EKP                      359-2672  
Irv Goodman, AF2K                      671-4430  
Ed Holdsworth, N2EH                      624-1929  
Bill Shaw, N2EKR                      288-1547  
Bud Young, WA2UGE

Club Historian: Bruce Kelley, W2ICE  
Public Service Coordinator: Edwin Holdsworth, N2EH  
License Testing Director: John Schooley, K2NC  
Membership Chairman: Lloyd Caves, WB2EFU  
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

## AMSAT UPDATES

In recent months there has been growing awareness among OSCAR satellite users that the 10 meter downlink spectrum of 29.300 - 29.510 MHz is being disrupted by 10 meter FM stations. All radio amateurs are reminded that this spectrum has been set aside by international agreement for use as a downlink passband for Mode A satellites (e.g. RX 10/11).

By operating within this spectrum, 10 meter FM stations "wipe out" a considerable portion of the downlink spectrum and render it useless for RS 10/11 satellite users. All amateurs not involved in using OSCAR satellites are reminded to honor this "gentleman's agreement" and avoid using 29.300 - 29.510 MHz.

Tnx ARRL Letter

## HINTS FOR A HAPPY HAMFEST

I think that hamfests are one of the most fantastic things that have ever been invented. I always have a great time and would like to give you some advice that can enhance your enjoyment of this aspect of our hobby.

First, you have to acquire the correct attitude. If you are looking for free equipment or to have fun crammed down your throat, forget it. The hamfest sets the mood for a "happy day" and the rest is up to you.

Try to arrive early and attack the flea market first. The best bargains go fast. Some flea market vendors want to get rid of their unused gear at a reasonable price, and some are out to make a profit. If you arrive too late you will only get to meet the second group. The way you walk through the flea market is important.

Upon arriving, a fast walk-through is a good idea. While pondering too long over an infinite supply of ceramic capacitors, a bargain handheld may be waiting a short distance away. After your first run-through you can do it again, looking for the less obvious bargains. Notice I said "bargains". If someone in a flea market calls you cheap because you haggle over his price, you are not the one who is naive; he is! It's a flea market, not a retail store.

Then again, sometimes it does not pay to shop around too much. If you see something unusual that you really want, keep in mind that if you walk away you may never see it again. Perhaps you should buy it. However, if it's in the "nice to own but I really don't need it" category, offer only what it's worth to you even though it may be only 20% of the asking price. Now and then you will be surprised and walk away with a terrific bargain. The key idea is to look at an item and decide quickly what it is worth to you, and what is the most you are willing to pay. So, when it comes to dickering for price at the flea market, be friendly, honest and sincere, and there will be no hard feelings.

Weeks before the hamfest, make a shopping list. It gives you a purpose. Then as you walk the aisles of the flea market, have a flight plan. Don't wander aimlessly. Try to walk along one side of one aisle to the end. Then turn around and walk the other side.

*Rags Review, ARNS, World Radio  
via The Mike & Key*

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**FOR SALE** - Icom IC27-A 2-meter FM transceiver. Excellent. \$200.00. Jim (KA2FFE), 266-6494.

## RaRa CALENDAR FOR MAY

- 5 - RaRa Annual Meeting - 8:00 p.m.  
40/8 Club, 933 University Avenue
- 11 - Packet Group Meeting - 7:30 p.m.  
111 Westfall Road
- 12 - VHF Group Meeting - 7:30 p.m.  
111 Westfall Road
- 19-21 - Rochester Hamfest  
VE Exams available pre-registration

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## NEXT RRRR MEETING— June 5, 1989

Due to the timing of the Rochester Hamfest, there is no May RRRR meeting. The next meeting will be the Annual Meeting on June 5th, 1989.

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## RaRa Family Picnic

June 11, 1989

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## ROCHESTER VHF GROUP WINS GAVEL

The RVHFG would like to thank all of the area clubs for their support during the January 1989 ARRL VHF Sweepstakes. Your efforts paid big dividends as you helped the RVHFG win the Medium club category gavel awarded by the ARRL. If it were not for your support we would not be able to compete with the many other clubs around the nation. The RHVFG is very proud to have the members of RaRa, RRRR, RDXA, XEROX ARC, KODAK ARC, SIARC, RFCARC, MCCARC, GRAM, DRUMLINS, RAPS, AND THE GENESEE REPEATER ASSOCIATION on our side. We thank you and we hope for your continued support. Please stop by our booth in the Dome at the Rochester Hamfest so we can say thank you in person. We hope to have the gavel on display for all to see and we would like to meet those who helped so much. de Not 2 Well Know... Contest Chairman RVHFG.

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# ANNUAL MEETING NOMINATIONS

The following is a copy of the letter from the RaRa Nominations Committee to RaRa president Dave Bernheisel, N2DPF, which was read at the April meeting:

March 31, 1989

David Bernheisel, N2DPF  
President, RaRa

The subject Committee consisting of myself as Chairman along with Bill March, WA2CER, and Rich Koehn, K2UW, met on March 28, 1989 to select nominees for the 1989/90 RaRa season. We are pleased to offer the following slate of officers and Board members:

President: Robert Hobday, N2EVG  
Vice-President: Neal Eckhardt, WB2EKP  
Treasurer: Dick Goslee, K2VCZ  
Secretary: Pete Secrist, WB2SUN  
Board of Directors:  
Dave Bernheisel, N2DPF  
Ed Holdsworth, N2EH  
Bud Young, WA2UGE  
Irv Goodman, AF2K  
Keith Freeberg, N2BEL\*  
Mike Eeckhout, NO2Z  
Bob O'Connell, NF2Z

\*With Committee recommendation for Membership Committee.

All nominees have been contacted and have agreed to run for the office indicated.

There being no further business this Committee  
**STANDS DOWN.**

(signed)

Edward Gable, K2MP  
Committee Recorder

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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 Directors.

### VICE-PRESIDENT:

NEAL ECKHARDT, WB2EKP -

Neal has lived in Rochester area since he started to attend RIT in 1973. He was first licensed in 1979 through the RaRa license course and has remained a loyal RaRa member since. While being inactive for a couple of years, the interest in the hobby was again sparked by the purchase of his first house in Henrietta and the interest in the

hobby shown by his wife, Debbie, KB2CHV. Neal currently holds an Advanced class license.

Neal has taken on the awesome responsibility of RaRa RAG Co-Editor and has successfully gotten the RAG out mostly on time for the past three years. In previous years Neal has been known to work a public service event of two.

Neal works as a Customer Service Account Representative for National Advanced Systems, who markets large IBM compatible mainframes. He has worked in the Data Processing field here in Rochester for 16 years.

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

### TREASURER:

Dick Goslee, K2VCZ -

Licensed for 33 years Dick currently holds an "Advanced" class license with the call K2VCZ. He has been a member of the Board of Directors for the past five 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 11 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 Conservation 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.)

### SECRETARY:

PETER D. SECRIST, WB2SUN

Pete has completed his first year as RaRa Secretary. First licensed in the mid 1950's in Ohio as K8BDG he relocated to Rochester in 1969 to accept a job at Xerox where he is still employed. Pete started over as a Novice after completing night classes at RIT in 1977. He holds an advanced class license and is trying to get his code speed up to upgrade to extra class.

Pete lives in Webster with his wife Patti and youngest daughter. His other 5 children have moved out and are in Colorado, Missouri, Ohio, Florida and in Henrietta. He is also trustee of the Xerox ARC repeater WB2SUN/R on 224.26 and 444.825.

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

## BOARD OF DIRECTORS:

### DAVE BERNHEISEL, N2DPF -

Dave was first licensed in 1962 and currently holds an Advanced Class ticket. He has been a member of the Board of Directors of RaRa for six years and has served as President for the past year and Treasurer in the past. He participates in RACES/ARES activities and public service projects. In addition to Amateur Radio, Dave is a Scoutmaster, and works with Brighton Volunteer Ambulance. He supports his hobby by working as a system programmer and lives with his wife and two children in Brighton.



### 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 (1 year), Vice-President (2 years), President (2 years), Board of Directors (19 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.



### IRWIN J. GOODMAN, AF2K -

"Irv" was first licensed as WN2WCE through the RaRa licensing course in 1974, and subsequently WB2WCE. He is a Life Member of RaRa, and had been active on the Membership Committee for five seasons prior to serving as Membership Chairman and Board member. Other club affiliations include ARRL (Life Member), RRRRA, GRA, Rochester VHF Group, RDXA, NoBARC and Gibraltar Amateur Radio Society. He is active on 2M FM, HF bands, an avid DX'er, Field Day enthusiast, and enjoys SS and VHF contests, traffic handling and Public Service activities.

A graduate of RIT, Irv has been employed as Litho Preparatory Planner and Art Estimator with Standard Register Company (formerly Business Forms Division of Burroughs Corporation) since 1959. He and "Rusty" reside in the town of Webster.

### 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.



### MIKE EECKHOUT, NO2Z -

After studying Technical Electronics at Edison Tech High School, I went on to become a telecommunications system controller for the U.S.A.F. in West Germany. Upon returning to the states, I received a degree in computer science at S.U.N.Y. Brockport while working part time for Radio Shack at Ridgmont Plaza. I currently work for Eastman Kodak and am a member of the Kodak Park Amateur Radio Club where I instructed a novice class. Through W5YI-VEC, I have been a coordinating volunteer examiner for sessions during mid week for those not able to attend RaRa's Saturday morning sessions, as well as through the summer. First licensed in January of 1980, I'm now known as NO2Z. Another hobby is riding my Goldwing with the "Peacemakers", a local motorcycle club!



### ROBERT M. O'CONNELL, NF2Z -

Bob and his wife, Frances, have been married for 32 years and have 3 children and 3 grandchildren. He served 12 years in the U.S. Army (1948 - 1960) in Europe and Korea (1952 - 53) as Communications Chief, Chief High Speed Radio Operator. After leaving service (disability), he moved to Rochester to work for General Dynamics and later as radio dispatcher at radio station KEA898 Cobbs Hill Radio Center. He retired in 1982 after six years General Manager/President of several commercial/residential insulation companies. He holds a AOS degree in Business Administration-Management. Bob graduated from the National Radio Institute with diplomas in Electronic Communication and Microprocessors. Bob is also a graduate of the Dictaphone Advanced Training Center.

Currently he is President of the Rochester Radio Repeater Association, Inc., novice theory instructor for RaRa Novice Radio Course. He is a recipient of the ARRL Public Safety Award. Bob is a member of the Society of Wireless Pioneers (SOWP), Veteran Wireless Operators Association (VWOA), RRRRA, RDXA, Rochester VHF Group, and RaRa. He is also a member of U.S.

Coast Guard Auxiliary, Veterans of Foreign Wars, Korean War Veteran Association, Disabled American Veterans and American Legion.

Bob was first licensed in 1983 after having taken the RaRa Novice Course. He is very much concerned and dedicated to the growth and expansion of amateur radio. "The smile on the face of a novice candidate who has just passed the exam is proof that the amateur radio will stay alive and well."

## ON-LINE QSL SEARCH AVAILABLE

Do you have several dozen calls that you can't seem to find in the *Callbook*? No time to look up all those addresses for WAS? There is now help available.

Buckmaster Publishing now provides an on-line HamCall service that gives subscribers access to the names and addresses of the current 494,115 listed hams. All you need is a computer terminal and modem to bring this information into your shack!

A subscription to the service costs only \$29.95 per year, and provides you with unlimited use. The only additional expense will be your phone calls to Virginia to "look up" the call signs.

To take advantage of this service, write Buckmaster Publishing, Mineral, VA 23117, or call toll free 1-800-282-5628.

*Tnx Westlink via ARRL Letter*

## HAVE YOU HEARD?

Certain primitive tribes around the world have the strange custom of beating the ground with clubs while making bloodcurdling screams. Anthropologists call this "human expression". In the United States we call it GOLF.

*Pioneer, ARC, Fremont, NE  
via World Radio via The Mike & Key*

### MICHAEL G. RICE

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## NOSTALGIA

This month we digress from looking at 50 year old *QST*'s, to taking a look at a natural (or unnatural) phenomenon. I refer to the Bermuda Triangle and the association of radio, ham or otherwise, with this mystery.

In the mid 1970s my wife and I sailed on a lovely white ship, the "Sea Venture", to Bermuda. Nothing untoward happened on that trip but some weeks later the "Sea Venture" had to go back into the Triangle to rescue passengers of the QE II, because all of the engines on the QE II had unexplainedly shut down, leaving that monster ship becalmed and drifting about in the Triangle. I never heard if they found any cause for the power shut-down on the Queen.

Possibly the most famous incident in the Triangle was the never explained disappearance in December, 1945, of a flight of Marine aircraft from Ft. Lauderdale, which took off and was never to be found. The base radio station could hear the aircraft intercom messages, but the planes could not hear the base transmitter. The base sent out a large patrol plane, a Martin Mariner with a crew of 13, to look for the missing planes and it also disappeared without a trace. It was reported that a ham radio operator (call not given) picked up a message from one of the Marine pilots, who said "Don't come after me, it looks like they're from outer space".

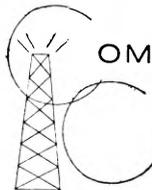
Finally, as another unexplained mystery, this time outside the Triangle, British TV viewers near Lancaster, England were watching their programs on September 14, 1963, when the British programs faded out and an American program from KLEE-TV in Houston, Texas was being received. The unexplained part of this incident was that the American program had been telecast several years before, and the Houston transmitter was shut down and not operational any more.

My authority for the above is author Charles Berlitz, "The Bermuda Triangle" and "Without a Trace". 73 de Bud, N2AWC via Harmonics

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## MORSE CODE

### ARE YOU LEARNING THE EASY WAY?

by Jay Jensen, N4LLX, in Ground Waves  
via ARNS via LERC Amateur Radio Club

### QUICK TIPS TO MASTER CW

During our club sponsored classes the instructors hear a zillion reasons why students have trouble learning code. But the way to learn code is simple. If you can pass this test, you can pass the test for 5, 13, 20 words per minute – in due time.

### CIRCLE THE CORRECT ANSWER.

- T/F Practice code at least 15 minutes per day - every day!
- T/F Don't overpractice. When you get frustrated, stop.
- T/F Don't rewind the tape recorder when you miss a letter.
- T/F Don't copy the same code practice over and over again.
- T/F Work character spacing and speeds like the ones sent during the actual exam.
- T/F Copy the code as it is sent, write each letter. If you miss a letter, go on and write the next.
- T/F Practice problem letters by themselves for several minutes.
- T/F DO NOT practice by sight – learn by sound.
- T/F Set goals and track your progress.
- T/F Write in a comfortable way, but, if you can, write longhand to gain 2 wpm.
- T/F Get on the air, or copy code off the air, especially W1AW code practice.
- T/F WRITE, WRITE, the code down.
- T/F Take the code test every chance – don't wait until you are "perfect" copy.

Above all, remember learning code is different from "traditional" learning – cram sessions will not work! And, failing a code test is no disgrace. Very few amateur radio operators have earned higher class privileges without failing one or more times.

In a nutshell, gaining code proficiency requires three things: PRACTICE, PRACTICE, PRACTICE.

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**EQUIPMENT FOR SALE** – Yaesu FT-901DM Transceiver w/ext. VFO, phone patch and other accy's – \$650.00; Kenwood TS-700S 2M All Mode Transceiver w/preamp – \$500.00; Amcomm 2M15B 80 watt 2M FM/SSB Amplifier – \$115.00; Drake MN-2000 Antenna Tuner w/built in wattmeter and VSWRMeter – \$125.00; Dentron MLA-1200 Linear Amplifier 80-10M – \$400.00; SWAN VHF Wattmeter – \$45.00; Kantronics RTTY interface – \$45.00; Vic 20 Computer w/ham software – \$50.00. Call Kevin, WB2QMY, 334-5158.

## TURNING A MICROWAVE OVEN INTO A TV TRANSMITTER

Electronics engineers are forever tinkering. Consider the March issue of RF Design, a technical journal for communications engineers. The journal based in Englewood, Colorado, contains a detailed article that describes how a skilled engineer could alter a standard microwave oven to create a powerful 250-watt transmitter for amateur television broadcasting frequencies.

Written by David Pacholok of Creative Consultants in Sleepy Hollow, Illinois, as an entry in the magazine's design awards contest, the article received an award as an example of a project that shows innovation, engineering design and documentation.

The author writes that the project's goal was to create a simple high-power microwave transmitter for less than \$200, with parts readily available from consumer electronics supply houses.

The heart of the design is a plan that permits the oven power source, a magnetron tube, to be "tamed down" to provide power for the TV transmitter. A circuit called a modulator, which controls power and frequency, is placed where the food would go.

The editors of RF Design stress that this is a project to be attempted only by a skilled engineer – not a radio amateur. Leaking microwave radiation can be extremely hazardous.

Also, the Federal Communications Commission, which regulates the broadcast industry, including broadcast transmissions, might have something to say about such a transmitter, too.

*The New York Times, 3/15/1989  
via Hank, WA2OVG, via Metroplex*

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## STRAYS, OR OTHER

At a recent local classical concert, we heard Charles Ives symphony "Fourth of July" performed. This particular work is so complex and intricate that for part of the performance a second conductor is required to direct a section of the orchestra. You could refer to him as a "semi-conductor".

-- Jack Heveron, KJ2P

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## ROCHESTER HAMFEST

MAY 19-20-21, 1989

## TIDBITS

from W5YI Report  
via LERC Amateur Radio Club

\* The National Institute of Standards and Technology (formerly the National Bureau of Standards) has a new clock counting the oscillations of the nitrogen atom in an ammonia molecule and was accurate to within one second in three years. NIST's new clock is based on the vibrations of cesium atoms and won't lose or gain a single second for 300,000 years! For most of us accurate enough – plus/minus a couple of minutes a year.

\* Computer guided lawn mowing has been unveiled by Technical Solutions of Sterling, VA. A robot lawnmower follows the pattern of long grass until its sensor detects only blades at a prescribed height! The Lawn Ranger will sell for about \$800.

\* Southwestern Bell Telephone is testing a new range of calling options. Call Return redials the last incoming call. Call Cue redials the last outgoing call and can “*camp on*” a busy signal to put the call through as soon as the line is available. Call Trace can trace any incoming call to its originating number. Call Blocker stops incoming calls from up to three telephone numbers specified by the customer. Priority Call identifies up to three incoming calls (from numbers specified by the customer) with a distinctive ring. The new services are designed to offer residence and business phone users more control and security over their telephones.

\* Linus Technologies, Inc. (Reston, VA) has a \$3000 battery powered high-tech computer that uses low-tech input. Their new computer simulates a pad and pencil. Users write and draw on a display pad with a stylus and then print out text. It is targeted at nurses, doctors and field service workers and other non-computer people who must write a lot.

\* It appears that Dennis Patrick will remain as Chairman of the George Bush FCC for the foreseeable future although he has confided to friends that he is anxious to return to the private sector eventually.

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## AWA RADIO MUSEUM NOW OPEN

East Bloomfield (Village Park) Holcomb, NY

Open Sunday, 2 - 5 p.m.

May, June, July, August, September, October

Also Saturday, 2 - 4 p.m. – Wednesday, 7 - 9 p.m.

June, July, August

(Closed Holiday Weekends)

NO ADMISSION CHARGED

## THE RaRa RAG 20 YEARS AGO — MAY 1969

by Ed Gable, K2MP

Al Mumby, WB2MCP, club program chairman, offered two programs for May. First was a talk about the latest in Civil Defense Communications by John Spagnuolo, WA2CKW, New York State CD Radio officer along with General Edward Thompson, Monroe County CD Director. The second program is a film provided by RaRa's friend and supporter Congressman Frank Horton on the Apollo 8 Moonshot. Nominating committees were busy for both RaRa and the Rochester VHF Group. RaRa has nominated Al Mumby, WB2MCP, President; Ed Perkins, WB2MAC for Vice-President; Joe Marsey to Treasurer and George Negus, K2OIU as Secretary. To the Board of Directors; Ernie Crewdson, WB2FVG; Fred Cupp, W2DUC; Bill Gaines, WB2QVB; Rich Koehn, WB2SNA; Dave Russell, WA2GIA; Chet Selbert, WB2ZFS; and Harold Smith, WA2KND. The RVHFG has nominated Gordon Wendell, W2FDI, Chairman; Rocco Mastrella, WB2NFY as Vice-Chairman and Len Gessin, WA2ZNC, to Secretary/Treasurer. Local Hams were mentioned as successful authors for *QST*, *Ham Radio* and other publications. These included Don Bramer, K2ISP for VHF Transmitting mixers; Hank Blodgett, W2UTH for conversion of a SB-200 for six meters; Fred Cupp, W2DUC for noise figure measurements; and Jerry Vogt, WA2GCF for numerous construction articles. Norm Friedman, K2BDG, introduced Senate Bill S.1420 which called for reduced postal rates for Amateur QSL cards. It didn't pass!!! The East Coast Amateur Radio Service (7.255 MHz) was started by Bernard Howe, K1LTO. A new advertiser is Polito Communications, Inc.

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## AMATEUR AUTOPATCH UPDATE

More good news – US West (Mountain Bell) has approved residential phone rates for Amateur Radio autopatches regardless of whether they are in a commercial or business location.

The basis for Mountain Bell's decision was the fact that regardless of whether the line terminated in a commercial location or not, radio amateurs are prohibited by law from using the service for business purposes.

For further information, contact the Regulatory Information Department at HQ.

*Tnx ARRL Letter*