



the RARRA RAG

Published by

ROCHESTER AMATEUR RADIO ASSOCIATION, INC.

VOL. 39

NOVEMBER 1986

NO. 3

RARRA MEETING AND AUCTION — NOVEMBER 7th

Friday, November 7, 1986 at the Police and Fire Academy, the annual RARRA Auction will be held. Members are invited to bring their surplus gear and other goodies for sale. Please no junk – if you are disposing of materials you would ordinarily throw out with the trash – throw it out. Again this year there will be no “Chinese” bidding, so be sure to put the absolute minimum price you will accept. Also no resubmission of items which did not sell the first time offered.

We will again have two auctioneers, veteran of many long nights, Ed Gable - K2MP assisted by a rookie, Dick Goslee, K2VCZ.

Doors open for setup at 7:30 p.m. and the bidding to start at 8:00 p.m.

MEMBERSHIPS EXPIRE OCTOBER 31st

All memberships expired at the end of October. We don't want to lose you as a member so please renew your membership now. Send your renewals to Lloyd Caves at:

RARRA Membership Renewal

P.O. Box 1388

Rochester, New York 14603-1388

or renew at the November meeting.

DECEMBER RAG DEADLINE — NOVEMBER 7th

Due to scheduling requirements with our printer, the deadline for ads and articles will be November 7th, the night of the November meeting. A co-editor will be present at that meeting to accept any last minute articles or ads.

FCC DISMISSES STONER PETITION BUT MAY CREATE NEW THREAT TO 902-MHZ BAND

The FCC has dismissed a petition for rulemaking filed by Donald Stoner, W6TNS, which sought to create a new public digital radio service in the 52- to 54-MHz portion of the 6-meter amateur band. However, in doing so they may have created a new threat to the 902-MHz band. The Commission in its denial noted that the entire 6-meter band is allocated to the Amateur Radio Service, and ITU regulations do not provide the United States with any additional or alternative allocation which would permit a different type of service. The Commission also said that the re-allocation of the 6-meter band to a new service would significantly and adversely affect existing amateur operations.

However, the Commission concluded that their actions dismissing the Stoner petition “*should not discourage alternative proposals to establish a new computer hobbyist radio service*” and that “*computer hobbyists should continue to assess various spectrum alternatives such as portions of the 902- to 928-MHz frequency band, for this type of proposal*”.

The ARRL believes that a good radio service for computer hobbyists already exists – it's called *Amateur Radio*, and any new service is unnecessary. It is unknown at this time why the Commission suggests the 902-928-MHz band in its conclusion.

Tnx, ARRL Letter

SILENT KEY

RAY SMITH, WA2SOR

September 29th, 1986

the **RaRa RAG**

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

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THE PREZ SEZ . . .

Thanks to everyone who paid their dues so early this year. This combined with the very large number of members in our license classes has raised our membership to over a thousand. This is only the second year that we have had over a thousand but last year it was much later in the season.

The license class instructors are sure doing a super job under very trying conditions. The county is rebuilding the area around the club station so each week is a new challenge to find your way around. Keep up the good work guys.

I would like to thank all those who participated in the "Home Brew" contest. Some of the ideas there were very novel to say the least. It is always a pleasure to see how someone has solved a problem without going the commercial route. I think the most unusual item there was Joel N2BZV's 1/4 wave rubber duck made from an old speedometer cable, and shrink tubing. It looked very nice and performs well.

Now it's time to dig out all the extra gear you haven't used for the last year and bring it to the auction. Who knows, someone may be looking for just that item. If you have an old rig that you no longer use perhaps one of the new novices can get on the air with it. This is also a good way to help RaRa as the club gets 10% of the selling price to help defray part of our annual operating costs.

73s & CU at the Auction

CANADA-JAPAN RECIPROCIITY

On September 17, Canada signed a reciprocal licensing/operating agreement with Japan, effective November 16, 1986.

This is the third country that the Japanese government has entered into such an agreement with, the other two being the United States and the Federal Republic of Germany.

Full information for US or Canadian amateurs to operate in Japan is available either from the ARRL or CRRL Headquarters or from the JARL Secretariat, 1-14-2 Sugamo, Toshima, Tokyo 170, Japan.

Amateurs operating in Japan under a reciprocal licensing/operating agreement sign 7J calls, such as 7J1AAA in Tokyo, 7J1ACH on Minami Torishima, 7J3AAA in Osaka, and 7J8AAA in Sapporo.

Tnx, ARRL Letter

VOL. 39 NOVEMBER 1986 NO. 3

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The RaRa Rag (USPS 605-440) is published monthly except July and August by the Rochester Amateur Radio Association, Inc., 80 Authors Avenue, Henrietta, NY 14467. Subscription price is \$4.00 per year (included in the \$8.00 annual membership dues). Second class postage paid in Rochester, New York.

POSTMASTER - Send address changes to RaRa Rag, P.O. Box 1388, Rochester, NY 14603-1388.

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Amateur Radio News Service

Amateur Radio Hits A Fine "Note"

On October 4th, members of RaRa and the Xerox Amateur Radio Club (XARC) assisted the Webster High School Marching Band and its' Booster Club host a band competition. This was the first time such an activity was held in Webster, and even more remarkable since the Webster band is only in its' second year of competition with other bands. Extensive planning insured that the event went smoothly. Ol' Mr. Murphy, however, did bring some poor weather with him, necessitating that the entire competition had to be relocated from the R. L. Thomas High School to the indoor comfort of the Schroeder Middle School. Amateur Radio communications, used to coordinate the appearance of the competing bands, had to be relocated and re-established in less than 30 minutes!

The band and its' boosters appreciated the value of Amateur Radio communications in helping to coordinate its' event. The local amateurs who participated in the event were: KA2BCW, N2CMF, W2EBF, N2EEL, W2FXM, K2OID, WB2EFU, WA2EIV, KD2LZ, KA2OMX, and WB2SUN. KC2EX and KE2T were unable to attend and assist at the competition, but did lend 220 Mhz rigs which the communications during the event were relayed through.

Tnx, Pete Secrist, WB2SUN

RaRa NOVEMBER CALENDAR

- 6 - Rochester Packet Group Meeting, 7:30 p.m., Monroe County Social Services Building, 111 Westfall Road
- 7 - RaRa Meeting and Auction, 8:00 p.m., Police and Fire Academy, Scottsville Road
- 15 - Amateur Radio Exams, starting at 8:00 p.m., Monroe County Social Services Building, 111 Westfall Road
- 18 - Rochester DX Association Meeting, 8:00 p.m., Monroe Social Services Building, 111 Westfall Road
- 21 - Rochester Radio Repeater Association Meeting, 8:00 p.m., Pittsford Town Hall

I'M A NEW MEMBER

I see you at the meeting,
but you never say Hello.
You're busy all the time
with those you already know.
I sit amongst you strangers, yet
I'm a lonesome guy.
The new fish are all as strange as I ---
you old ones pass us by.
But, darn it, you all asked us in,
and talked of fellowship,
You could step across the room, but,
you never made the trip.
Why can't you nod and say "Hello" and
stop and shake my hand.
Then go and sit among your friends
and then I'd understand.
I'll be at the next meeting,
perhaps a nice time to spend,
Do you think you could introduce yourself?
I want to be your friend!

Tnx, RAGS REVIEW

U.S. Postal Service STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION (Required by 39 U.S.C. 3685)			
1A. TITLE OF PUBLICATION Ra Ra Rag	1B. PUBLICATION NO. 6 0 5 - 4 4 0	2. DATE OF FILING 09/29/86	
3. FREQUENCY OF ISSUE Monthly except July & August	3A. NO. OF ISSUES PUBLISHED ANNUALLY 10	3B. ANNUAL SUBSCRIPTION PRICE \$4.00	
4. COMPLETE MAILING ADDRESS OF KNOWN OFFICE OF PUBLICATION (Street, City, County, State and ZIP Code (Use post office)) P.O. Box 1388, Rochester, NY 14603			
5. COMPLETE MAILING ADDRESS OF THE HEADQUARTERS OF GENERAL BUSINESS OFFICES OF THE PUBLISHER (Use post office) 80 Authors Ave., Henrietta, NY 14447			
6. FULL NAME AND COMPLETE MAILING ADDRESS OF PUBLISHER, EDITOR, AND MANAGING EDITOR (This form MUST NOT BE SIGNED PUBLISHER / Name and Complete Mailing Address) Rochester Amateur Radio Assn. Inc., P.O. Box 1388, Rochester, NY 14603			
EDITOR / Name and Complete Mailing Address John Tempsey, 357 W. Squire Dr., Rochester, NY 14623			
MANAGING EDITOR / Name and Complete Mailing Address Neal Eckhardt, 80 Authors Ave., Henrietta, NY 14447			
7. OWNER (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of all individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual must be given. If the publication is published by a member of a corporation, its name and address must be stated. (Form must be completed.)			
FULL NAME Rochester Amateur Radio Assn. Inc.		COMPLETE MAILING ADDRESS P.O. Box 1388, Rochester, NY 14603	
8. KNOWN BONDHOLDERS, MORTGAGEES, AND OTHER SECURITY HOLDERS OWNING OR HOLDING 1 PERCENT OR MORE OF TOTAL AMOUNT OF BONDS, MORTGAGES OR OTHER SECURITIES (If there are none so state)			
FULL NAME NONE		COMPLETE MAILING ADDRESS	
9. FOR COMPLETION BY NONPROFIT ORGANIZATIONS AUTHORIZED TO MAIL AT SPECIAL RATES (Section 412.2 (GMM) only) The purpose, function, and nonprofit status of this organization and the exempt status for Federal income tax purposes (Check one):			
<input type="checkbox"/> HAS NOT CHANGED DURING PRECEDING 12 MONTHS <input type="checkbox"/> HAS CHANGED DURING PRECEDING 12 MONTHS (If changed, publisher must submit explanation of change with this statement.)			
10. EXTENT AND NATURE OF CIRCULATION (See instructions on reverse side)		AVERAGE NO. COPIES EACH ISSUE DURING PRECEDING 12 MONTHS	ACTUAL NO. COPIES OF SINGLE ISSUE PUBLISHED NEAREST TO FILING DATE
A. TOTAL NO. COPIES (Net Press Run)		900	900
B. PAID AND/OR REQUESTED CIRCULATION 1. Sales through dealers and carriers, street vendors and counter sales 2. Mail (Include business reply mail) 3. Other (Include paid circulation)		0 854 0	0 824 0
C. TOTAL PAID AND/OR REQUESTED CIRCULATION (Sum of B and 3B)		854	824
D. FREE OR NOMINAL RATE COPIES BY MAIL, CARRIER OR OTHER MEANS (Samples, complimentary, and other free copies)		29	64
E. TOTAL DISTRIBUTION (Sum of C and D)		883	888
F. COPIES NOT DISTRIBUTED 1. Office use, left over, unaccounted, spoiled after printing 2. Return from News Agents 3. Other (Include return from News Agents)		17 0 0	12 0 0
G. TOTAL (Sum of E, F, and 3) and should equal net press run shown in 7A		900	900
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FOR SALE -
 Heathkit SB 303 Receiver } \$325.00
 Heathkit SB 401 Transmitter }
 MFJ-941D Tuner } \$75.00
 Dick Andrews, N2GDR, 381-6189

FCC HELPING OR HAMPERING AMATEUR RADIO ACTIVITIES?

Candidates for ARRL Elective Office would be in violation of FCC rules covering the prohibition of business communications if they debate one another on election issues over the amateur airwaves, according to FCC Special Services Bureau Chief Raymond A. Kowalski. This was revealed in a recently taped interview with Kowalski by Hap Holly, KC9RP, of the Chicago based Broadcast Employees Amateur Repeater group. Holly had approached all candidates running in the League's Central Division elections, only to find both incumbents declining the invitation to debate. Subsequent investigation discovered that the ARRL's now defunct Ad Hoc Committee on Ethics had long ago advised ARRL elected and appointed officials not to involve themselves in on-air debates dealing with the routine business of the League.

Wondering whether the ARRL stand was guided by Part 97 Rules, Holly contacted the Special Services bureau chief and asked him if the League really needed to be concerned about its candidates' participation in on-air debates. *"Yes, I believe that the answer to your inquiry is an emphatic 'Yes'. The ARRL would have plenty to be concerned about and they are exactly correct in the position that they have taken,"* said Kowalski. He continued, *"This stems from the prohibition in the Amateur rules against the use of Amateur frequencies in the furtherance of business communications. Now what people often fail to understand is that business communications does not only deal with matters of dollars and cents; it has a broader connotation: namely, the regular affairs of any organization . . . The regular business affairs . . . whatever the business of that organization may be, whether it's charitable . . . be not for profit . . . that does not matter. If it is the regular business of that organization, then communications which furthers it are not permitted on amateur radio"*.

Kowalski then went on to define why this prohibition on business communications prevents debates between ARRL candidates: *"Clearly, the ARRL is in business of representing the interests of amateur radio operators. Those interests are manifested and spoken for within it by its elected directors, and so communications using amateur radio as a forum for debate among those directors would clearly contravene the business communications rules. And, it would*

subject the persons who participate in it to potential violation liability".

Tnx, WESTLINK REPORT - Oct. 3, 1986

FROM THE CO-EDITOR . . .

In this issue of the *RAG*, and F.C.C. Special Service opinion on Part 97 Rules has potentially far-reaching effects on the Amateur Radio service if carried out to the governmental extreme.

Concerning Part 97 of the F.C.C. rules about Amateur Radio operations, granted staging some form of a *"debate"* for any kind of Amateur Radio group office would seem to go over that fine line of non-business use of the Amateur Radio airwaves. If the average Joe Ham and Elmer Amateur were to hold a Kennedy-Nixon-type debate for a club office, that would go over that line since the *"winner"* of the debate could be the winner of the subsequent election, and then would be one of the officers handling the club's treasury. Whether the amount involved in a club's operation is \$2.00 or \$20,000.00, a *"monetary interest"* is still involved that would be contrary to Part 97 Rules.

But for the F.C.C. to say that *"regular business affairs"* of the Amateur Radio community cannot be discussed on the airwaves, perhaps the F.C.C. does not want Amateur Radio operators to prepare themselves with Simulated Emergency Tests for the day, should it ever happen, that America ever experiences another Three Mile Island incident. Or maybe the F.C.C. does not believe in the safety of thousands, yet millions, of long distance runners who are helped and protected by Amateur Radio operators assisting in communications during a 10-K road race or a Marathon.

Maybe Ed Holdsworth, N2EH, should stop offering groups like Multiple Sclerosis our help on short notice to help protect their members on bicycle trips to Letchworth State Park. If that would be the case, Amateur Radio operators would be limited to two options with their equipment: 1) endless hours of rag-chewing about the weather, etc., or 2) unplug their rigs since they can no longer be used for the public good.

-- '73's from Jack, KA2PJJ

FOR SALE—New Power Transformers. Multi-tap Primary (180/200/220/230/240/250). Secondary: 19.5 VAC min. at 10 Amps AC Continuous and 13.5 Amps at 15% Duty Cycle. \$10 each, 2 for \$17. Negotiable. Irv Goodman, AF2K, 671-4430.

PERMANENT AMATEUR FACILITY ON SPACE STATION DISCUSSED

Representatives of NASA, AMSAT and ARRL met recently to initiate a long-term program which could lead to Amateur Radio literally being built into the NASA Space Station. Leaders of the SAREX (Shuttle Amateur Radio Experiment) and others met at the ARRL National Convention in San Diego September 6 to discuss initial ideas on what Astronaut Dr. Tony England, WØORE, is calling the SSAR Project (Space Station Amateur Radio). The SSAR program will be one of the longest ever undertaken in Amateur Radio, running at least 9 years from concept to fruition. The Space Station is currently slated to fly in 1995.

The meeting was organized by Roy Neal, K6DUE, formerly of NBC News, as a follow-up to his pivotal work in the SAREX missions and his work with Astronaut Owen Garriott, W5LFL, on the Ham-In-Space program. Tony England, WØORE, recently stepped into Owen's position within NASA's Space Station program upon Owen's recent retirement. Tony co-hosted the meeting with Roy. Representing AMSAT were Chairman John Browning, W6SP; President Vern Riportella, WA2LQQ; and Vice President For Manned Space Operations Bill Tynan, W3XO. On hand for the ARRL were President Larry Price, W4RA; First Vice President Jay Holladay, W6EJJ; Executive Vice President Dave Sumner, K1ZZ, and International Affairs Vice President Tod Olson, KØTO.

A working group was organized to develop the basis for a plan which would lead to a formal proposal to NASA during 1987. AMSAT will be the lead agency in the working group for the first steps. Then, as tasks are identified in the proposal effort, ARRL may appoint a task leader to assume the lead role.

According to WØORE's view of the project, it could play a strong role in developing interests in students for engineering, mathematics and science education.

WØORE also emphasized the pivotal role an AMSAT geo-synchronous capability could have on SSAR success. Tony pointed out that since the Space Station's orbital inclination will be 28.5 degrees, it will need the potential relay capability an AMSAT Phase 4 system could provide to reach the more extreme northerly and southerly latitudes. The SSAR program has an excellent chance of flying, according to knowledgeable sources familiar with NASA.

Tnx, ARRL Letter

COPS CORNER

by Howard Davies, N2CUN, RPD

“DETOUR”??? TO BE OR NOT TO BE

I've got some more news on the present detour that you are using to get away from Road Construction: you are going to detour from the old way to the new way. Confusing, yet if you drive in Rochester, that statement is easier to understand compared to finding a road that is not being closed or under construction.

Presently the overpasses on Rt. 490, namely Culver and Goodman are under construction, and most of you are finding new routes to avoid the traffic tie-ups. Starting in the Spring of 1987, Monroe, Meigs and Clinton Avenue overpasses will be under construction over Rt. 490. That means more detours and more confusion. Also remember that the final blacktop won't be on Rt. 490 between Winton Road and Downtown exits until late Spring 1987, so driving in this area will be delayed.

A promise that was made a couple of years ago is finally taking shape. On Rt. 490 as you enter the city from the west, Jim O'Brien, K2UDP, is responsible for the flowers and huge American Flag that welcomes motorists westbound between Winton Road and Culver Road. During the Christmas season a giant snowman and Christmas lights also are visible. Now the second stage of Jim's project is beginning to take shape on Rt. 490 between Rt. 390 and Mt. Read Boulevard exits. As you are driving into Rochester from the west you will see the work being done in the median and Jim is hoping that it will be done by the Christmas season. Again a “*Job well done*” to Jim O'Brien who is trying to make your day a little brighter.

- 73's

AMATEUR RADIO EXAMS . . .

Just to remind you that the next set of Amateur Radio exams will be Saturday, November 15th, at the Monroe County Social Services Building, 111 Westfall Road (at the corner of West Henrietta Road/Route 15 and Westfall Road). Novice exams start at 8:00 a.m., 20 WPM code at 9:00 a.m., 13 WPM code test at 9:15 a.m., and finishing with all written exams at 9:30 a.m.

Pre-registration is necessary. See last month's RAG for details.

HOME BREW RESULTS

Last month's Home Brew Contest brought some fine pieces of local Amateur Radio building talent. The entries were judged by Otto Bluntzer, WB2RJB, and Bob Boyack, K2OXT, and were divided into two categories of Test Equipment and Transmitters/Receivers/Accessories.

Taking top honors in the Transmitting category was Ed Gable, K2MP, with a scanning 2-Meter VHF Transceiver that Ed built in 1971 with all solid-state (no tubes) components (and let's not forget about the 15 Watts of audio output it had). Second place went to Tom Hodge, WA2YTM, with 900 Mhz converters he had recently built. Third place went to Morris Rosenfeld, KA2JAJ, with a radio he had built from the ARRL Handbook several years ago.

Due to the lack of competition, Dick Goslee, K2VCZ, was the winner of the Test Equipment category with a signal deviation meter he built using one chip that would output to an oscilloscope.

Congratulations, one and all.

SPEAKING OF WINNERS . . .

It seems that during last June's Field Day exercise, some of our members had friendly wagers as to who would have the most total contacts. One of those wagers was settled in public at last month's meeting in case you missed it.

It seems the group headed by Dick Goslee, K2VCZ, had challenged the group headed by Ed Gable, K2MP. Dick's group had more CW contacts, but Ed's group collected many more contacts on the phone bands, with Ed's group having a larger final total of contacts and points. Dick, fine gentleman that he is, paid off the wager as the Home Brew contest was being judged.

Anyone for two out of three next June, Dick or Ed?

THE RaRa RAG 20 YEARS AGO, NOVEMBER 1966

by Ed Gable, K2MP

An interesting front page created by Art Director Russ Heuer, K2PLO, was featured in this issue. Russ provided us with a quiz in which we were to figure out the correct radio name for various odd shapes. All this was in the way of an introduction to the November meeting, the ever popular Auction night with Cappy Capauldy, K2UXF (United Xylophone Factory), as Auctioneer.

Bill Kirkbright, WA2HWC, in his VHF/UHF News column announced that Bob Nezelek, W2CNS, would speak on 432 Mc rigs at the next VHF Group meeting. The Kodak Radio Club presented a program on emergency communications which featured Chuck Brelsford, K2WW. Roger Harnaart, WB2BWQ, was the grand award winner of the evening, two months in a row! Jim Sims, W2GDB, still holds the record number of lucky draws, however. Clara Reger, W2RUF, wrote asking for more traffic handlers from this area. Rag Editor Harold Smith, WA2KND, sez he isn't gonna change from Cycles to Hertz in this publication!! WB2RMM announced a new outgoing DX QSL service.



Cappy, K2UXF, mobile in Edsel.

HEATH/ZENITH

Amateur Radio Equipment and Accessories

Heathkit - Cushcraft
ARRL - Ameco - Van Gordon

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

FOR SALE - Swan 500C - w/AC supply; Atlas 210X - w/AC supply; Drake twins - T4xc R4c, AC4; Kantronics KPC 2, TNC; ICOM-230 - 2M, FM; Regency - HR2B - 2M, FM; AEA Code Reader; Hal 1550 Electronic Keyer; HP 680E Sig. Generator; Antennas, Rotors, Tower; Standard 2M, FM, HT; Heath HW-32 (20M); Kenwood TV506 (6M X Verter); Clocks, Keyers, Mikes, Phone Patches; Pan Adapter (PCA-2); HA460, UG50, Regency, MR10; Instrograph, Code Practice Machine. Call Len, WA2ZNC, 248-2511.



75 YEAR-OLD AMATEUR STATION

A feature at the Conference is an Old Equipment Contest. Shown is a complete amateur station circa 1910 made from original parts sold by the Electro-Importing Company. Under favorable conditions, the operator could communicate in a 25-mile radius.

ATTENDANCE WORLD-WIDE AT AWA CONFERENCE

Nearly 1000 radio historians from nine countries recently met at Canandaigua to celebrate the Association's 25th Conference. The event was highlighted with guest speaker Dr. John Bardeen, co-inventor of the transistor and recipient of two Nobel prizes.

Overseas speakers were Jonathan Hill (England) and Bengt Svesson (Sweden), with Stu Meyer (W2GHK), former Hammarlund Corporation president and Lou Moreau (W3WRE) telegraph key authority representing American historians.

A major event consisted of three large auctions of early gear with our own Ed Gable (K2MP), Steve Sykes (KD2OM) and Morris Rosenfeld (KA2JAJ) handling the amateur equipment. An-

other attraction was a 5-day flea market where thousands of pieces exchanged hands. Programming was highlighted with an unusual demonstration by Jim Hardesty, N2DRT, of his huge Tesla coil, which radiated 8 feet sparks in all directions.

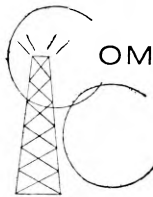
Amateurs from all ten U.S. districts and Canada enjoyed programming directed to their interests including early amateur receiver and transmitter construction and operation. Numerous clubs were visible with the A.R.R.L. represented by former General Manager John Huntoon (W1RW) and Technical Editor By Goodman (W1DX). Officials from the Smithsonian, K3RJA and NN4SI, officiated at the banquet.

-- Bruce Kelley, W2ICE, Club Historian

FOR SALE - New HF6V Butternut Vertical, all components already mounted on mast. Complete with instructions - never used, no room on lot. Also NYE-Viking 1 KW matchbox, needs new band switch - very reasonably priced. Call Pat, W2DN, 865-4477.

W2YJ

AMATEUR RADIO REPAIRS
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COMMERCIAL

COMMUNICATIONS

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RaRa RAG 7



MEMBERSHIP APPLICATION

Send to:
The American Radio Relay League, Inc.
225 Main Street
Newington, CT 06111

Note:
If you are joining the ARRL for the first time and you wish to thank the ARRL-Affiliated Club that introduced you to the ARRL, please enter its 4-digit code (club members can tell you what their code is) in the space provided at the top.

Cut along fold and detach

Enter 4-digit code for sponsoring club. If any:

0	3	5	2
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Name _____ Call _____
Street _____
City _____ Prov./State _____ P.C./Zip _____
\$25 in U.S./\$30 in Canada/\$33 elsewhere (U.S. funds)
Persons, age 17 or under or age 65 or over, upon submitting proof of age, may request the special dues rate of \$20 in the U.S. (\$25 in Canada, \$28 elsewhere in U.S. funds)
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Charge to AMEX, VISA or MC No. _____
Valid from _____ Good through _____
CI 1-85

K2JD ENGRAVING

P.O. Drawer G Pittsford, NY 14534

CALL SIGN BADGES

Size • Up to	Cost
3/4 x 3 (1 line)	\$1.25
1 1/4 x 3 (2 line)	\$2.00
2 x 3 (3 line)	\$2.25
2 x 4 (4 line)	\$2.75

Base station sign

2 x 8 (2 line)	\$3.00
Walnut base	\$3.50
Plastic base	\$1.50
Clip fastener on badge instead of pin add 25¢	

RUBBER STAMPS

Design your own stamp using the sample type sizes shown below. \$2.50 for three lines. Add 50¢ for each additional line.

36 PT

24 PT

18 PT

12 PT

10 PT

8 PT

Most color badges are in stock.

ARRL sig on stamp or badge add 50¢

R.D.X.A.

R.D.X.A. has found a home for it's October meeting at the Monroe County Social Services Building. Be at the Auction on Scottsville Road on November 7th for information as to where RDXA's November meeting will be.

FOR SALE - Rohn 58 foot foldover tower (2558). House, barn and land for antenna farm in Mendon also available. W2GTE, Ron, 624-4692.

THIRD PARTY OF WITH 6K86AG AND HL86A

The Republic of Korea has authorized third party communication for athletes and staff of the Asian countries during the Asian games September 6 to October 8, using the Korean Amateur Radio stations 6K86AG and HL86A in the main stadium and the Olympic Village. Under ITU rules, such messages must be of a personal or technical nature, not sufficiently important to justify recourse to the public telecommunications system.

Tnx, ARRL Letter