

The RARA RAG

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The Rochester Amateur Radio Association
INCORPORATED

VOL. 31

SEPTEMBER 1978

NO. 1

FCC District Engineer To Speak at September 8th Meeting

Have you been confused by all those new call-signs on your local repeater? And, what questions do you have about the new linear amplifier regulations? At our September 8th meeting you have an excellent opportunity to voice your questions about the changes that took place through the past year.

Our guest speaker is to be Mr. John Theimer, F.C.C. District Engineer of the Buffalo, NY Field Office. Many of us will recognize Mr. Theimer from the examination room at our Rochester Hamfest. Others will recall his often nerve-calming smile as they entered the hallowed halls of the Buffalo F.C.C. offices. He is available to our club meeting to discuss the important rule changes, and then will answer questions from the assembled members and their guests. Such a session can go a long way in helping to clarify the written F.C.C. documents.

Lining up our monthly program is no easy task. The Rochester Amateur Radio community is very diverse in its interests and the programming has to be geared to appeal to as many as possible. This year I will attempt to provide you with a broad range of programs which I hope will be both informative and entertaining. The traditional features will still be there, such as "Old Timers Night", our joint meeting with

Antique Wireless Association National Conference

The Antique Wireless Association will hold its National Conference September 28, 29, 30 and October 1, 1978 at the Sheraton Inn in Canandaigua, NY. Complete program details are available by contacting President Charles Brelsford, K2WW or Bruce Kelley, W2ICE. In conjunction with the Conference, the AWA Museum in East Bloomfield, NY will have special open house hours as follows: Wednesday, September 27th from 7 to 10 p.m.; Thursday, September 28th from 1 p.m. to 5 p.m.; Friday, September 29th from 9:30 a.m. to 11 p.m.; Sunday, October 1st from 10 a.m. to 5 p.m.

the Kodak Clubs, and our annual fall auction of course. These are enjoyed each year by many and are some of our most well attended meetings.

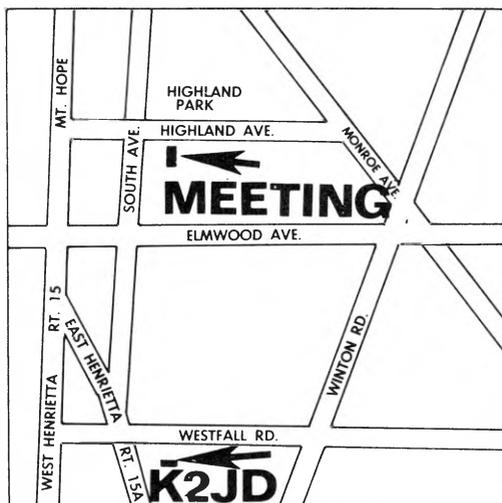
We are always open to suggestions for programs; and, I look forward to hearing from many of you as to what your suggestions might be. See you on Friday, September 8th, at 8 p.m. at our usual meeting place, the Monroe County Co-op Extension Building at 249 Highland Avenue. Y'all come!

Follow the map to the MEETING or to the Licensing Class held at the Monroe County Civil Defense Center marked K2JD on the map.

Licensing Class by Ed Holdsworth, N2EH

Classes will again be offered for both Novice and General Code and Theory. They will begin on September 25, at the Monroe County Office Building located at 350 East Henrietta Road, corner of Westfall Road. They will run from 7:30 p.m. to 9:30 p.m. on Monday evenings and will finish by December 18. You may sign up at the September meeting, drop me a post card or call me. Address: 518 Parish Road, Honeoye Falls, NY 14472. Phone: 624-1929 evenings or 546-2700, ext. 3304 days.

The following calls have been issued to the graduates of the Spring Novice Class and will be eligible for an award at the September meeting. They are KA2S, BHM, BPW, BTO, BHE, BGW, BHQ, BHP, BGY, BHF, BHD, ALZ, ALY, AID, BGZ, BHC, BHK, BGX, BHB and BGV. If your call is not listed, please contact me before the September meeting.



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The President's Corner

by Len Gessin, WA2ZNC

Our club, the Rochester Amateur Radio Association, is one of the largest and oldest Amateur Radio clubs continuously existing in the country. The Charter calls for the election of 10 members to the Board of Directors, plus a member to serve as President. Like all large groups, I am told, "there are those that do and them that don't." That means that most of the same people are around year in and year out. Is this what is called a "click"? Maybe this is so, but looking back through our records it seems that we must be doing something right.

Do you have a suggestion or comment? Do you want to help in some of our projects? Please let one of our ten Board Members know. If there is a problem tell us. We are only eleven guys "doing for" over 700 members.

The RaRa Board and Officers meet each month following the regular RaRa meeting. If you have a desire to attend, let the President know in advance. We meet in the homes of the Board Members, and often it's a tight squeeze so an advance attendance count is a must.

Each year there are some complaints concerning the questions on our membership application form. The reason is that the U.S. Postal Regulations require it. We enjoy a non-profit status and want to keep it. It is one reason the annual fee is kept within reason. Also we in the club use that information to help with functions and emergency preparedness.

Let's remember that there is a "no smoking" sign and rule in the main auditorium. So "out to the hall for them weeds", pipes and cigars.

Now, regarding the talking, it gets "pretty rough" in the front of the room when there is a lot of chatter. If you want to talk and chew the rag please go to the hallway/coat room. Watch out for our new Sergeant at Arms!

See you all at the Farm and Home Center on Friday night at 8 p. m.

Richard Crawford, WB7RPX, 5150 Gureen Drive, Salt Lake City, Utah 84117 is interested in setting up a sked with somebody from Case-Hoyt Printing, or any other large printer in the Rochester area.

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VHF GROUP

by Rich Place, WB2JLR

The Rochester VHF Group invites everyone to the first meeting on Friday, September 15th, at 8 p.m. Our speaker will be Mr. Jim Kearman from the ARRL Technical Staff. His subject will be "Converters for UHF". Jim is formerly WB2EDW from Buffalo and will have a slide show presentation on amplifiers, mixers and other components that make up a UHF converter.

Our meetings this year are in a new location, a conference room in the lower level of the new building at RF Communications. The new building is located on the site of an old City DPW Garage near the corner of Winton and University Avenue. There is plenty of free, and lighted, parking next to the building. Due to plant security reasons we ask that every one try to arrive between 7:30 and 8 p.m.

Officers elected at the last spring meeting are:

Chairman - Rich Place, WB2JLR
Vice-Chairman - Tom Richmond, WB2IEY
Secretary-Treasurer - Bill Thiel, K2KGE

Also in the spring, plans were made for a new club project - building UHF transverters. Construction is nearly complete on the prototype for 432, and the designs for 220, 144, and 50 mHz are in the works. These function for both transmit and receive. Transmit power will be 10 watts out and in receive will show a 2.5db noise figure and 30db gain. Building and testing will be by group members, and for group members only, at the cost of materials only. Intended operation is with 28-30 mHz transceivers and will operate any mode present on the 28 mHz equipment.

Since material is being purchased in quantity it will be necessary for participants to pay in advance at least 50% of the final projected cost of the selected items. The cutoff date is September 15th although we do prefer that payments be in before then. Some materials are being purchased now. Payment is to be by check payable to "Rochester VHF Group" and may be sent either to Floyd Koontz, WA2WVL, or to Bill Thiel, K2KGE, or may be brought to the club meeting.

COST TO BUILD TRANSVERTERS

432 mHz	\$80.00 built and tested
220 mHz	\$80.00 built and tested
144 mHz	\$75.00 built and tested
50 mHz	\$65.00 built and tested

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1. Limited to members of Rochester VHF Group.
2. Payment by check, before cutoff date September 15th.
3. All parts ordered after September 15th meeting.
4. Transverters and/or parts are not for resale.
5. Standard IF is 28 - 30 mHz. (50 mHz special)
6. Minimum initial payment is 50% on or before September 15.
7. There will be a discount of \$20.00 each for people who heavily participate in the construction phases.

See you on Friday the 15th.

RRRA MEETING

by Tim Magee, WB2KAO

The first meeting of the Rochester Radio Repeater Association will be held Friday, September 22nd, at 8 p.m. The place will be the cafeteria at RF Communications, 1680 University Avenue in Rochester. Be sure to use the center and main entrance just about half way down the University Avenue side of the building. The guards at the door will direct you to the cafeteria area.

The program is designed to assist those who wish to have their FM equipment set up by persons familiar with the professional equipment necessary. The group will be able to set frequencies, deviation, power output, and do a spectrum analysis for your transmitter. If you care to have people hear you as you really are, be there with your rig.

The RRRA slate of officers for the '78-'79 season are: Chairman - Tim Magee, WB2KAO; Vice-Chairman - Gary Sienkiewicz, W2TR; Secretary-Treasurer - Richard J. Koehn, K2UW; Program Chairman - Bill Gillette, WB2KIW. See you on the 22nd.

FOR SALE: Items from the estate of K2QIV, Webster, NY. A varied amount of equipment for HF/SSB, VHF, and test equipment is offered for sale, the sale to be managed by "Mac" McGowan, K2CEH. Equipment list available, inspection by appointment, contact K2CEH at 716-671-6734.



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EDITOR'S INCH: "WRITE NOW"!

by Dwight Hill, K2KWK

Some of our "advisors" have been telling us for months that because we have no lobby we are doomed to more detrimental rules and restrictions than we have had over the past several years. This argument made some sense at first because we so badly need something to help. But then I heard Rep. Barber Conable explain that lobbying is a failure!

Rep. Conable is quoted in the Rochester Democrat & Chronicle of May 20, 1978, article by Mr. Gary Gerew, as follows:

" - - problem with lobbying stems from an assumption that the government is neutral and taken for granted."

"Taken association meetings are the least effective means of contact" . . .

". . . lobbying could be more effective if industries planned what type of legislation they would like and approached congressmen with predetermined goals for the year."

"Congressmen are more impressed by an aroused citizenry than by an eloquent economist they may never see again."

You, as reader, may substitute the word Radio Amateur for business, businessman, and industries. Now do you see the message? Also you could substitute ARRL or someone's name for trade association and lobbyists where they appear. Thus Rep. Conable seems to have a message for radio amateurs as well.

One question remains though — if the proposed lobbyist goes to the FCC will he be acknowledged or will they nicely send him down the street to Congress thinking he mistook the building he should be in?

Another problem — who would decide the type of solution that best serves all radio amateurs? Would the lobbyist turn out to be just another kind of dictator or another un-responsive ear? Who would set, and how, our yearly goal?

Rep. Conable says the best way to impress our government is by being an "aroused" citizen. Write to your congressman, senator, the FCC, or other regulatory agency. Use your own words. A highly respected man is making the effort to tell us the best way. He is on the inside. He is the inside! My advice to you is to follow his advice and give it your own personal touch. Let us send our words where our money already is.

LIKES TO CHASE YL'S

Congratulations go out to a long time RaRa member, Chester Stafford, W2AAU, of Spencerport, who won district honors in the 1978 YL-OM contest. What makes this unique is the fact Stafford has won this event for nine years running since 1965. An avid CW operator, Stafford can be found rag chewing with DX stations on 20, when he's not chasing the YL's that is.

MAXIM' KEY

by Bruce Kelley, W2ICE, Club Historian

A new artifact in the A.W.A. Museum is Hiram Percy Maxim's personal key. The key was presented to the Association by former ARRL Museum Curator and Technical Staff member Lew McCoy, W1ICP, at the New York State A. R. R. L. Convention banquet in Rochester.

The key has a lengthy history. It was purchased and used by Maxim before World War I to key his spark transmitter. Following the war, he gave it much use with his famous 1AW CW transmitter.

Sometime in the early 30's, Maxim gave the key to his life-long friend and AWA member Roland Bourne, W1ANA. Just before his death in 1972, Roland gave it to his close associate Lew McCoy.

This key has great historical significance to the amateur fraternity since Hiram Percy Maxim was co-founder of the A. R. R. L. and is known as the "Father of Amateur Radio".

Through his efforts amateur radio gained solidarity and strength. Maxim became a Silent Key in 1936, and his personal call W1AW has since become the official call of the A. R. R. L.

Like most early high power keys, it is mounted on a marble base and has large heavy contacts. It was customary in those days to key the high voltage transformer primary. If you ran a kilowatt, you keyed it directly from the 100 volt A.C. line without the benefit of a relay! Many an early ham received a nasty shock when he carelessly allowed his hand to cross the key.

Visitors to the A.W.A. Museum can see a wide variety of high power keys on exhibit including one with air-cooling fins once used to key a 5-kilowatt spark transmitter on a WW1 U.S. Navy vessel. AWA is deeply indebted to Lew for this very historical artifact. Tks OM.

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RaRa's Summer

Our members got involved in several varied warm weather activities since the hamfest. The picnic on June 10th was a success, contrary to a popular rumor had 100% survivors of the ministrations of Chef Gable.

Enthusiasm for Field Day found the following members on a hilltop between Naples and Prattsburg: Otto, WB2RJB; Jim, WA2KAR; Mike, WB2FIE; Bob, W2EFK; Russ, WB2JHY; Ray, W2SNI; Dennis, WB2MRH; plus seven not-yet hams. The whole group came to fourteen and there were four families who visited. Ray, W2SNI, brought his travel trailer and the K2JD Club Station Van was also used. The equipment consisted of a Kenwood TS-520 and trapped vertical antenna, an Eico SSB Transceiver with 80 meter dipole, a CW Transceiver and trapped dipole for 80 and 40, a Yaeau Memorizer for 2 meter FM with 10 element Yagi beam, a Yaesu FT-620b with a Yagi beam and hula-hoop antennas, plus two 3kw generators to power the site. The estimated score will be over 3000 points, plus quite a few memories of a pretty good time.

Something new for RaRa was assisting with communications for a yacht race. The Genesee Yacht Club has an annual race from the mouth of the Genesee River to Canada and back, a straight line distance of about 120 miles. The Scotch Bonnet Race was held on July 16th and 17th. RaRa club members were led by Jim Tiefenthal, W2IS, who had an impressive array of radio equipment for exact WWV time and communications with the Race Committee boats offshore. RaRa participants were Ed Gable, K2MP; Dwight Hill, K2KWK; "Bud" Young, WA2UGE; Dave Holtz, WB2HTH; Irv Goodman, WB2WCE; and Gene McPherson, W2IDT.

Other activities included some camping trips, communications assistance at a sport car rally, and our booth at the Monroe County Fair.

The recently re-organized Livingston Amateur Repeater Society, sponsor of WR2AFF, cordially invites area operators to join the organization and make use of their excellent repeater. Membership information can be obtained by catching the Genesee Valley 2 Meter FM Net on 146.16/.76 Wednesday evenings at 7:30 p.m., or by writing directly to L.A.R.S. at P.O. Box 504, Wayland, NY 14572.

NOVICE LICENSE NOTICE

The FCC has made some far reaching changes in the structure and privileges of the novice class, if you know of (or are) one whose novice ticket expired during the past year, read on. The FCC is permitting novices the one year grace period to renew their licenses without re-examination after the two year term ticket expires. Use FCC Form 610; send it to Gettysburg. And now the novices have a full five year license term and can re-new that. So if some one has to take extra time to advance because of school, work, sickness, etc, the license privileges can be carried on for quite a while.

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The Radio Amateur's Journal

14 Vanderventer Ave. Port Washington, N. Y. 11050

BOARD MEETS: RaRa Solvent

by Dwight Hill, K2KWK

First, some good news. As of August 9th, our membership is composed of 728 persons who are interested in Amateur Radio.

Treasurer Ron Jakubowski, K2RJ, reports for the 1977 to 1978 fiscal year a total income of \$8,733.55 with expenses totaling \$7,650.36. We are glad to show a carry forward of \$1,083.19 to start off our '78-'79 year. Actually much of this is dedicated to pre-existing and on-going projects that require expenses. The complete 2 page report, with budget vs. expenses is available to all from Ron, and will be available at the meeting September 8th. For this to happen takes a lot of interest from a lot of members and hard work and attention to detail from the RaRa Board Members plus the faith and success of our advertisers. Any member is able to discuss our finances with any Officer and/or Board Member.

What happened at the recent Board Meeting on August 9th? Well, first off the Committee Chairmen were "selected". The highest priority went to Ash Palmer, K2EAW, who will handle Meeting Refreshments. Membership Chairman is Bob Erskine, W2NVZ. Awards Chairman for monthly meeting awards is John Schooley, K2NC. When you miss a meeting you miss a lot, I can tell you. The TVI-RFI Group is headed by WA2ZNC and will feature K2MP for the west side and N2EH for the south side (especially Ionia). Our Budget Chairman is Ron, K2RJ. The Legal Chairman is Alan, AC2K. Public Service will be ably handled by Jim Collinsworth, N2JC. Back by popular demand is Harold Smith, K2HC as Hamfest Chairman. The Monroe County Fair will be handled again by Harold Smith, K2HC and Robert Lauzon, K2RL. Two new functions this year are the Committee Chairman Advisor who will be available to assist when needed; and, Sergeant at Arms. Ed Gable, K2MP, who is our Past President is going to serve in both activities for us. Ed Holdsworth, N2EH, will again administer to the needs of our club station, K2JD, and the ever popular RaRa licensing classes. Naturally each committee function needs several (or more) persons to operate. Just look at the group that makes the hamfest happen for example. The Chairmen are always looking for helpers. So if you have a particular talent area, or some time now and then, or an interest in being a part of things, or wish to pay back the favor of the license classes, or whatever; your abilities and efforts are welcomed.

If you might be thinking that a RaRa Board meeting is just another excuse to go have a jolly time, the August meeting began promptly at 8 p.m. and ended about ten after 11 p.m. and it was all business from the agenda, with no breaks. Should you have something to propose to the club it is necessary to present it to the Board at a RaRa Board Meeting. Any member is able to attend a Board Meeting with or without formal business. The agenda is determined

by the President so he must be aware of the matter, prior to the meeting. As most meetings are in someone's home it is only courteous to give notice of your intended visit in advance.

The RaRa Board has established for the coming '78-'79 year that the closing dates for copy to be submitted for Rag printing will be the 15th of each month, excepting February when it will be the 12th. Because of a busy printing schedule it will be necessary to stick to these dates. These dates are then considered firm for both articles and advertising, in final ready to set form. If your article or advertisement needs to be set or layed out it will have to be in our hands 5 days prior to the closing dates mentioned above.

The RaRa Officers and Board also established meeting dates for the entire year as follows:

<u>CLUB</u>	<u>BOARD</u>
September 8	September 13
October 6	October 11
November 3	November 8
(Annual Members Auction)	
December 1	December 6
January 5	January 10
February 2	February 7
March 2	March 7
April 6	April 11
May 4	May 4
(Annual Election Meeting)	
June 16	June 16
(Picnic)	

Programs for these meetings are announced in advance by RaRa Vice-President, Alan Komeniski, AC2K, who published each month in the Rag.

This special notation of appreciation for the efforts of RaRa Club Secretary Otto Bluntzer, WB2RJB, who faithfully and accurately scribes our path each month for both meetings. We suspect that he just likes to keep training for contest QRM. Whatever his motive, he puts a lot into a job that demands a lot. We need him to tell us where we have been so we can steer a forward course.

Radios For Sale

Six Meter Station:

Swan 250 ssb/cw transceiver with h. b. power supply, less mic. and key. Cush Craft 5 element beam, brand new, never up, less cables, with a used roof mount short tripod.

Two Meter Station:

Midland #13-510 FM synthesized for entire two meter band, 25/5 watt output. Ringo Ranger antenna with feedline, approx fifteen foot pole.

High Frequency Station:

R. L. Drake #2-NT Transmitter, with some xtals, less key, less vfo (Drake never made one). #2-C Receiver with Filters for 4, 2.4, .4kHz, less noise blanker. #2-CQ Speaker/Q Multiplier.

Contact Dwight Hill at 544-2332.

For DX'ers Only by Bob Roberts, WA2QAU

This column is dedicated to the DX'er, those eccentric hams who sit up till all hours of the night and whose ears are pressed slightly to their heads from an over-indulgence in headphones. This column is also dedicated to the novice who wonders how to work DX and those people who brave the elements of pile-ups, QRM and acts of God for that rare country.

This column is not meant to be a monologue of 2 month old DX trivia. We will try to include only the latest and freshest DX news possible, both local and international. Photos will be used when available. We intend to have a feature story every month; either on how to work DX, for those who are new to the game, or the story of some deserving DX'er both local and international. Possibly DX oriented technical news or hints and kinks can be presented here. Any ideas, hot news, QSL info you might have, please send it to me at 71 Howedale Drive, Rochester, New York 14616, before the 13th of the month. The deadline for publication is the 15th of the month preceding publication. We will try to work the column as close to the deadline to insure the most recent news possible. This column is meant to be written by you for you so let's hear it!

Our feature story this month is the possible revival of the Rochester DX Association after a \pm 15 year period of unconsciousness. The former members of the RDXA have elected officers to get the club moving again. They are Ray Leigh, W2SNI, president; Bruce Elle, W2VTR, vice-president; Al Keltz, W2TXB, treasurer; and Gus Becker, W2PHT, secretary. The Board of Directors are: Sax Ringler, W2SAW; Elmer Grabb, W2DOD; Bruce Kelley, W2ICE; Bob Roberts, WA2QAU; Dick Bourne, K2MG; and Bill Bellor, W2MG. The first meeting is set for September 20, 1978.

The RDXA was one of the largest and oldest DX associations in the country, founded in 1947. Among its ranks are some of the most distinguished members of our club. Possible activities planned are a twice weekly DX net, club contests, QSL bureau and anything else that might pop up that's of interest. The RDXA is open to anyone with an active interest in DX and who have reached the 50 country mark logged or confirmed. Anyone interested in reviving the club can contact either Ray Leigh, W2SNI, or myself for info. There has also been some discussion of forming an out going QSL bureau locally to help beat the rising costs of the US Postal Service by sending our cards direct to the overseas bureaus.

Anyone interested please contact me as soon as possible. The W3KT QSL Service recently raised their prices to 8¢ a card or 16¢ per dollar. Approximately 6-8 cards can be sent by surface mail for 20¢. This represents the first ounce of weight and a savings of up to 6¢ per card. The users of the bureau would be charged cost of postage only, determined by the weight of the total cards sent. For example, if someone sent 5 ounces of cards the rate would be 5 X

20¢ = \$1.00. I have a fairly average weight card and can send about 8 cards per ounce including the envelope. The anticipated mailing date would be once a week depending on usage. This system saves you at least a 15¢ stamp over the ARRL bureau as cards can be dropped off at a convenient time or at a club meeting. It is an advantage to those of you who have not seen fit to join the ARRL or have forgotten to renew. (tsk, tsk). The bureau can be of help to stateside QSL managers because if 500 cards for the US are received from the members the envelopes could be sorted by zip code and sent for 13¢ per ounce instead of 15¢. I know that 500 cards sounds like an impossibility but there are over 2500 hams in the Rochester area and if only 20% sent in one card, there would be the 500 necessary for the mailing.

Now to the nitty-gritty of how to work DX. I'm sure there are born defeatists out there who say that working rare DX is impossible without a 6 element beam remote VFO's, and 5 Kw. There are also those who insist that only extra class licensees work rare DX. Both statements are about as true as "if a man were meant to fly he'd have wings." There are those of us who have worked over 200 countries without a mean and running less than a Kw. I've worked over 50 countries on 40 meters using a ground mounted 14AVQ and 180 watts. I didn't even have to try very hard either. As far as license class goes there are several rare countries in the general portion of the band including A35, ZK2, VR6, ZK1, and VK9.

Probably the easiest way to work DX, including some pretty rare countries, is through DX nets. These can be found on 20 and 15 meters. They are in the general and advanced portions of the band so you don't have to be an extra either. Many rare African countries can be worked on the Africana Net that meets daily at 1800Z on 21.355MHz or thereabouts. Asian and Oceania stations are found on the Asia-Oceania net on 14.225 MHz at 1300Z during the summer and at 2300Z during the winter. The net is run by Bill Bennett, W7PHO. He has such notables as BV2B, CR9AJ, JT1AN and KC6MJ. Other rare ones that occasionally check in are VS6, HS, HL9, VS5, and many others.

How do you work DX? Many DX stations are people of habit and can be found at a certain time or frequency. VR6TC is usually heard on 21.351 MHz on Tuesdays at 2300Z and was worked by this station on Tuesday, August 2nd at that time and frequency. 9N1MM can be found at about 14.218 on Thursdays and Fridays at 0000Z-0100Z. BV2B can be found on Wednesday mornings at 14.218 at 1300Z and at 2300Z on Saturday evenings. See how easy it is.

Dx'ing also takes a little luck. I have worked many rare countries just by turning on the radio at the right time. One Saturday afternoon I turned on the radio and without having to turn the dial worked A4XGB on 15 meters. If I can do it, you can too.

There are many DXpeditions to rare countries

(Continued on page 8)

DX'ers Only (Continued from page 7)

that are announced weeks or months in advance. A prime example of that is the DXpedition to Nevasa Island scheduled for early fall. The exact dates will be in a future column. While writing this column, the DXpedition to Market Reef, OJOMA was worked on 15 meters SSB. Being in the right place at the right time sure helps.

Many of the DXCC Honor Roll boys swear that the most important part of DX'ing is operating procedure and practices. I support this statement wholeheartedly. There is nothing more frustrating than calling a DX station for an hour while lids tune on frequency or call CQ DX themselves. Some operators approve of the practice of tail ending. I do not do this unless the DX operator approves of it or encourages such practice. VR6TC is one who works best under this type of operation. I believe in DX stations working the call areas by numerical order or geographic location. For instance, an African station may call the west coast before the east because it is harder to work those states because of distance involved. Likewise, an Asian station would probably work the east coast first. Please be reminded that this does not always hold true. The best way to work rare countries is to be observant. Listen. Listen. Listen. Many of the DX'ers on the honor roll spend only about 10% of their air time transmitting. The other 90% is vigilant listening. The best way to sneak ahead of other operators in pile ups is to familiarize yourself with their operating procedures. To those of you new to the game listen and familiarize yourself with other operators tricks then improvise and find the combination that works for you. We will have more on working DX next column.

I hope all of you enjoy reading this column. Remember to send in your news and views to get this thing off the ground. Until next month
.....Gud DX OM. 73, Bob

WR2AOH: New Repeater

WR2AOH is probably the newest 2 meter repeater in the Rochester area. It is privately supported and completely open. Rag chewing is welcome and encouraged. Usual operating courtesy in recognizing mobiles and other stations is requested.

The input frequency is 146.625 MHz. The output is 600 kHz down at 146.025 MHz. Note that this is an inverse split as assigned by our repeater council.

The equipment is constructed from two GLB - 414 transceivers interfaced with homebrew circuitry. The duplexer is a six can Phelps Dodge, and the antenna is a Hustler co-linear with a catalog gain of 6db. ERP is 98 watts output. Height of the antenna is 24 feet above the 377 foot elevation at the site near Northgate Plaza in Greece.

The service area is designed to be more or less the northern part of Monroe County. The timer is almost 3 minutes and the tail is very short. It is not necessary to drop the tail to reset the timer. The only rules for the operation of this repeater are those imposed by the Amateur Radio Rules and Regulations of the FCC. It is hoped that WR2AOH will fill a need in the northern part of the county.

In case of comments, inquiries or trouble contact Nelson, WA2ZPE or "B", WB2DSR at 663-0436.

Club Station K2JD

by Ed Holdsworth, N2EH

We now have, in addition to our mobile station which has been in operation for six years, an operating station located in the Monroe County Office Building at 350 East Henrietta Road. The station is equipped with a SB-104, SB-220, Dentron Tuner and other peripheral gear for H.F. We also have 2 Motorola base stations for 2M FM plus a new TS700SP for 2M FM, SSB and CW.

The station is available to club members on a 24 hour basis after they have been checked out on the equipment and have been issued a pass. Any club member who desires to be checked out on the equipment can do so by stopping in on Monday evenings after September 25th or contact K2MP or N2EH.

ARRL Bulletins On The Air

Each Sunday evening at 8:45 p.m. K2KWK sends Official Bulletins from the ARRL. In addition details are sent describing code practice schedules and text references from W1AW, the ARRL headquarters amateur station. Local bulletins and events are sent upon request.

K2KWK uses two repeater frequencies; WR2ABF at 146.79 MHz and WR2AEI at 146.88 MHz. Transmissions are on alternate repeaters each week to coincide with and precede the Monroe County FM Net at 9:00 p.m. Pauses are made during the bulletins to allow emergency traffic and to re-set the repeater timers. Bulletins of immediate interest are sent as often as necessary or practical. Later in the fall season an additional transmission schedule will be announced.

New Life in the Old Wheezer

A lot has been written lately about using older receivers and transmitters, aimed with the new ham in mind. They will be ok for 80 and 40 but often the results are less than desired when chasing dx on 10 and 15. Often this realization will lead to a new beam or a new rig. Great if you have the funds. But if you don't examine the possibility of installing a pre-amplifier especially for the band you want. One of our advertisers carries kit type devices that go right down to 20 mhz.

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ROCHESTER DX ASSOCIATION

by Ray Leigh, W2SNI

The RDXA announces the first meeting of the season which will include a dinner at Howard Johnson's Restaurant at the 12 corners in Brighton on Wednesday, September 20th, at 7 p.m. Everyone interested in DXing is invited to attend, however it is necessary to make reservations via Ray Leigh, W2SNI, at 225-3776 by September 13th.

Our after dinner guest is Ken Palmer, K2FJ, from East Aurora, NY. Ken works for WGR-TV as Transmitter Engineer. He is also a life member of the Society of Wireless Pioneers, an organization of professional brass pounders. He has held amateur calls of ZB2S, PJ8DX, PJ0USA, VP2DX, VP2VAN, VP2EEC, and VP2E. He will present slides of the Caribbean Islands, Gibraltar, Morocco, and some under water shots.

See you in the pile-ups.

FOR SALE: Heath SB-100 with a.c./d.c. supplies, CW filter, microphone, mobile mount; also Hustler antenna with all resonators. \$400. Contact Bob Anderson, W2OL at 381-1458.

SILENT KEYS

W2TEX

Orville F. Bauer passed away July 3, 1978 at the age of 74. He was retired from the Eastman Kodak Company. "Orv" served as RaRa Club Secretary in 1949-1950 and later became President of RaRa in 1954. He was heavily involved in all club activities and very instrumental in the initial issues of the RaRa Rag. He also was a prolific writer and is remembered for his series of continuing articles on the South Hill field day expeditions, poems, scuttlebut, and innovative Rag humor over the years. "Orv" was an avid ham operator both on VHF/AM & FM, and HF/AM & SSB & CW. He had recently maintained radio contact with his ham operator son-in-law in Cedar Rapids, Iowa. Also he was a member of the Rochester DX Association.

K2QIV

Stanley P. Thomas passed away in June at the age of 47.

W2BCL

Archie S. Waterbury passed away on July 18th. A native of Perry, NY and a resident of Irondequoit, Archie was a graduate of Perry High School, Class of 1915, attended Carnegie Tech and joined the U.S. Navy during WWI. He was employed at Stromberg Carlson in Rochester and was a member of the American Legion in Perry, and RaRa.

Thanks to K2LC for info.

New Directory Available

A nice benefit of RaRa Membership is a copy of the local amateur RaRa Directory. This year the new edition will be available at the September meeting for those who join or renew their RaRa Membership. This listing includes amateurs from a wide area centered on Rochester, and this year is expected to total about 2,500 "hams". For your convenience, the listing is made both alphabetically by call letter and then again by the person's last name.

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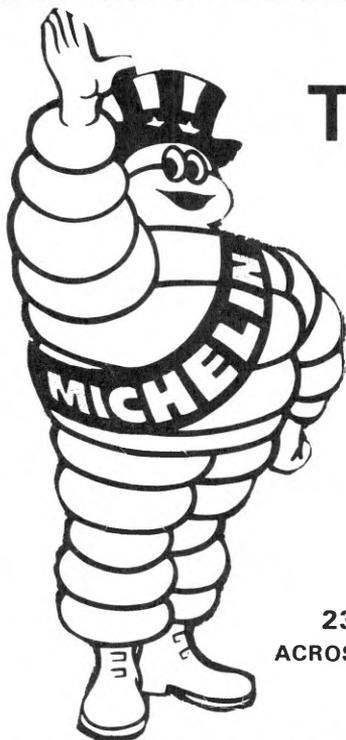
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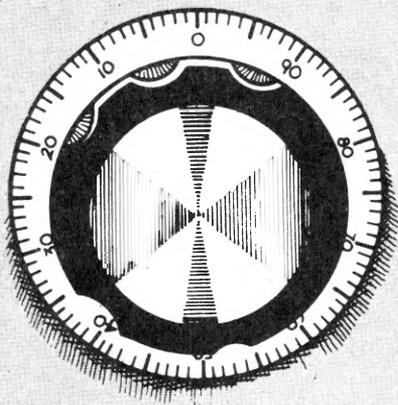
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We would like to take this opportunity to welcome all the new amateurs to the hobby, and hope our old friends have had a nice summer.

Now is the time to think of that new antenna installation before Old Man Winter is upon us. We'll offer 20% off all stocked antennas during September to help you along.

We also offer complete ARRL publications selections, along with magazines, code tapes and manuals to help upgrade or just while away the winter hours.

We will be happy to quote any of your amateur need's. We try to offer fair prices and liberal trades on your equipment. We are here to serve you, so give us a call. . .

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