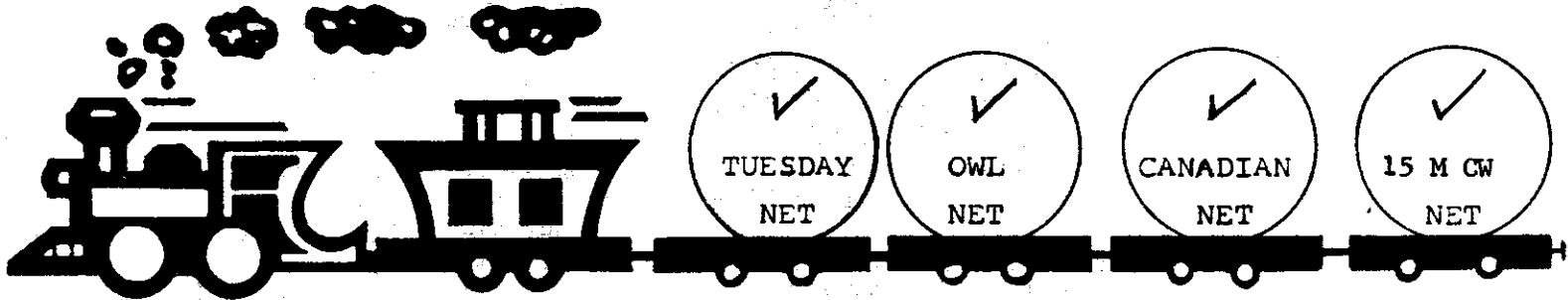


**"THE U.S.E.C.A. EXPRESS"
UTICA-SHELBY EMERGENCY
COMMUNICATIONS ASSN.
MACOMB COUNTY
147.18/78**

**PUBLISHED MONTHLY
BY
USECA INTERNATIONAL**

YOUR EDITOR: WB8QNI

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BY PARTICIPATING IN ONE OR ALL USECA NETS!**



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POINT NETS

Sun. 1300 EDT 147.78/147.18
 Tue. 2000 EDT 147.78/147.18
 Thu. 1930 EDT 21.165 CW
 Fri. 2359 EDT 147.78/147.18

OTHER NETS

Sun 2200 EDT 21.125 CW
 Mon. 2200 EDT 21.125 CW
 Tue. 2100 EDT 28.400 SSB
 Tue. 2200 EDT 21.125 CW
 Wed. 2200 EDT 21.125 CW
 Thu. 2200 EDT 21.125 CW
 Fri. 2200 EDT 21.125 CW

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 N88F Joe Lucido
 W88GDT Ralph Irish

Silent Keys

N8FWF Charles Smith, 7/23/85
 K8I2M Joseph Steel, f c 4/23/86
 K8BKTU John Moore, f c 5/24/86

- N8FNO - OPENED MEETING AT 7:40 P.M.
- N8GPT - MADE MOTION SUPPORTED BY N8GMA THAT MINUTES BE ACCEPTED AS PRINTED IN THE EXPRESS.MOTION CARRIED.
- KD8KEY - GAVE THE TREASURER'S REPORT WHICH WAS ACCEPTED BY THE MEMBERSHIP AS READ.
DURING THE INTRODUCTION OF MEMBERS, WE WERE HAPPY TO NOTE THAT A VISITER N8HCM AND HIS WIFE WERE PRESENT.WE HOPE TO SEE MORE OF THEM AT FUTURE MEETINGS.
- N8FNO - ANNOUNCED THAT CPR TRAINING MAY BE AVAILABLE IF THERE IS ENOUGH PEOPLE INTERESTED IN THE COURSE.IT WAS ALSO MENTIONED THAT CLUB PATCHES WERE AVAILABLE AT \$3.00 EACH.
- N8FNZ - STATED THAT CLEARANCE IS COMPLETE FOR THE ERECTION OF THE SATELLITE AT SELFRIDGE AIR FORCE BASE IN MT.CLEMENS.IT WILL BE INSTALLED IN BLDG. #50.THE MAIN REPEATER WILL BE TAKEN OUT OF SERVICE IN ABOUT 2 WEEKS, SO THAT NEW CRYSTALS CAN BE INSTALLED,AND OTHER CHANGES THAT MAY BE NECESSARY TO ACCOMADATE THE SATELLITE.THE DOWN TIME OF THE REPEATER IS EXPECTED TO BE ABOUT 4 OR 5 DAYS.CHUCK ALSO STATED THAT THE NOVICE ENHANCEMENT PROGRAM IS TO TAKE EFFECT ON MARCH 21.HE ALSO WARNED ALL TO BE SURE TO I.D.WHEN USING THE AUTO-DIAL,OR YOUR CALL WILL BE CANCELLED.
- KD8VJ - HANDED OUT CERTIFICATES TO MEMBERS QUALIFYING FOR THE 2 METER,C.W.AND HOOTERS NETS.
ACTIVITIES COMMITTEE ANNOUNCED THAT LEN WILL DISCUSS IMPEDENCE MATCHING BETWEEN THE TRANSMITTER AND ANTENNA AT THE NEXT MEETING.
- N8FNO - ADJOURNED THE MEETING FOR REFRESHMENTS AT 8:05
- N8FNO - REOPENED MEETING AT 8:37.
- N8FNZ - WHEN CHECKING INTO A NET,HE OR SHE MUST DO SO ON THERE OWN AND NOT BY ANOTHER PERSON,OTHER WISE THE CHECK IN WILL NOT BE COUNTED.
- KA8TOV - MADE MOTION SUPPORTED BY KD8VJ THAT THE SUM OF \$75.50 BE DRAWN FROM CLUB FUNDS TO PAY FOR BADGES ISSUED TO OFFICERS AND COMMITTEE PERSONS.
MOTION CARRIED.
- KB8ABG - WON THE 50-50 DRAWING.CONGRATULATIONS OMA.
- WP4AV - ANGELO WON THE 60-40 RAFFLE AMOUNTING TO \$142.00.NEW RIG ANGELO?
- WB8ITE - STATED THAT CAMP AGAWAM WOULD NOT BE AVAILABLE FOR FIELD DAY THIS YEAR.
MOTION MADE AND SUPPORTED FOR ADJOURNMENT.MOTION CARRIED.
MEETING ADJOURNED AT 9:00P.M.FOLLOWED BY SLIDE PRESENTATION ON ALASKA.
ANYONE NEEDING 60-40 TICKETS CAN AQUIRE THEM BY CALLING DICK-KA8RUN 949-1382 OR SENDING S.A.S.E. TO 25940 BRUMAR,MT.CLEMENS,48045

RESPECTFULLY SUBMITTED
WB8ITJ- SECRETARY

COMING ATTRACTION

"SEE" What actually happens from transmitter to antenna!

For our next (March) meeting, Len, K8DHH, will do a chalkboard study on transmission lines. The study will be done at a level easy to understand. An actual demonstration will take place afterward.

P.S. Because this will be a study, I would advise you to take notes.

Len, K8DHH

MONTHLY SCHEDULE		U.S.E.C.A. - ARG.		APRIL 1987	
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
SPECIAL EVENTS THIS MONTH DAYTON HAMFEST - 24, 25 & 26 EASTER SUNDAY - 19 CLUB MEETING + BANNER CONTEST - 14 TESTING SESSIONS		1. U.S.E.C.A. NET C.W. 15 METERS 21.165 MHZ. C.W. N.C. KABISG BOB		3. HOOT-OWLS NET 12-MIDNITE SPECIAL TOPICS NET CONTROL - WALT KABTOV ALT. KE8HO-STEVE WARREN, MI. 48089	
DAYTON HAMFEST DAYTON, OHIO, 24 th 25 th 26 th		7. USECA NET 2-METER; 8PM N.C. KBQL M-RICHARD U.S.E.C.A. NET 28,400 MHZ. S.S.B. 9 PM N.C. W8BITJ BANNER CONTEST MAIL-IN CUT OFF DATE		9. U.S.E.C.A. 60/40 TICKET TURN IN DEADLINE TO: DICK - KABRLIN U.S.E.C.A. NET C.W. 15 METERS 21.165 MHZ. C.W. N.C. W8BEGV ART	
5. INTERNATIONAL 2-METER NET NC. VE3LFZ 1 PM MARIE HOUSE 7:30 PM		13. U.S.E.C.A. - A.R.C. MEETING 7:30 PM FAITH LUTHERN CHURCH 22 1/2 mile on SHELBY RD. BANNER CONTEST WINNER PICKED TO NITE BY CLUB MEMBERS' VOTE		10. HOOT-OWLS NET 12-MIDNITE SPECIAL TOPICS N.C. WALT KABTOV ALT. STEVE KE8HO ML CONVENTION SAGINAW, MI.	
12. INTERNATIONAL 2-METER - NET N.C. N8GMA 1 P.M. JERI		14. USECA - A.R.C. MEETING 7:30 PM FAITH LUTHERN CHURCH 22 1/2 mile on SHELBY RD. BANNER CONTEST WINNER PICKED TO NITE BY CLUB MEMBERS' VOTE		11. TEST SISSON PORT HURON CONTACT: LEE VANDEESCH 1925 PINE STREET PORT HURON, MI. 48060	
16. PALM SUNDAY		15. U.S.E.C.A. NET C.W. 15 METERS 21.165 MHZ. C.W. N.C. N8BVG JOHN		17. HOOT-OWLS NET 12-MIDNITE SPECIAL TOPICS N.C. WALT KABTOV ALT. STEVE KE8HO	
19. INTERNATIONAL 2-METER - NET N.C. N8BENZ CHUCK		20. U.S.E.C.A. NET 2-METER; 8PM N.C. N8FNO JOHN U.S.E.C.A. NET 28,400 MHZ. S.S.B. 9:PM N.C. W8BITJ JACK CLUB MEETS		18. TEST SISSON MAPLEWOOD COMM. CENTER GARDEN CITY AVE. CONTACT: G.A.R.C. VET PO-BOX 482 GARDEN CITY, MI. 48135	
EASTER SUNDAY		21. U.S.E.C.A. NET BOARD MEETING 7:30 PM NEWS LETTER ENTRIES CUT OFF DATE		24. HOOT-OWLS NET 25. 12: MIDNITE SPECIAL TOPICS N.C. WALT KABTOV ALT. STEVE KE8HO "DAYTON HAMFEST" BEGINS TODAY	
26. INTERNATIONAL 2-METER - NET N.C. K8BVT DON		22. U.S.E.C.A. NET 2-METER; 8PM N.C. N8FNO JOHN U.S.E.C.A. NET 28,400 MHZ. S.S.B. 9:PM N.C. W8BITJ JACK CLUB MEETS		30. U.S.E.C.A. NET C.W. 15 METERS 21.165 MHZ. C.W. N.C.	
"DAYTON" HAMFEST		29. U.S.E.C.A. NET 2-METER; 8PM N.C. K8DHH LEN U.S.E.C.A. NET 28,400 MHZ. SSB N.C. W8BITJ 9:PM JACK		TESTING INFORMATION Preregistrations No Later Than 30 days Prior To TESTING DATES ON SATURDAYS SEND IN updated CIO FORM, SASE and Photo Copy of License CHECK off Money Order For \$4.35 To A.R.R.L., N.E.C WHEN Going Don't Forget Your Original License, I.D., Calculator, Pens, Pencils ETC.	

NET INFORMATION
 2-METER NETS - 147,180 - 600 - SUN - 1:PM, TUES - 8 PM, FRI - 12:midnite
 10-METER NETS - 28,400 U.S.G. - TUES. 9:00 PM
 15-METER NETS - 21.165 C.W. - Thurs. 7:30 P.M.

HAPPY BIRTHDAY TO ALL

4-1 W8BGT 4-20 N8HZE
 4-5 K8BHD 4-25 W8JEK
 4-14 K8ZHK 4-25 W8BVT
 4-17 N8AWV 4-29 K8YBO
 4-20 K8ZWU

PER THE WEST VIRGINIA FOX - Bob
 Any Comment's Please Let Me Know
 735

SECOND FRONT PAGE

One feature that we haven't seen, lately, in these pages, is our "Marketplace" section. There is no special reason for this, except that no submissions have been received. For your information, the rules of the game have been changed, somewhat. As of now, any material submitted for this section will be inserted in one edition of the EXPRESS. If you wish it to run again, it will be necessary to re-submit. We feel that this policy will work out better, all the way around. And now, appearing once again:

MARKETPLACE

<u>YAESU</u> ,	Model FP-700 Power Supply	
<u>YAESU</u> ,	Model FT-77	\$650 Takes it all!
<u>YAESU</u> ,	Model FV-700DM With Memory	
<u>SHERWOOD</u> ,	Model SE-2 Speech Processor	Contact N8FNO at 264-7993

REMINDER

Don't forget, when you upgrade, to send me a copy of your new license for the club file. You worked hard for it, so let us know, so we can pat you on the back for a job well done, via the USECA EXPRESS. If you change your call, address or phone, let me know so it will appear right in the Club Roster and for mailing the EXPRESS TO YOU.

73,

Shirley, WD8IWE
Membership

SINCERE APPRECIATION

The story now is the same as usual, that all good things must come to an end. I don't remember who said that, but the showing of slides on Alaska, has, for the time being, come to an end.

We greatly acknowledge the wit and camaraderie of Richard, K8QLM and his XYL. On behalf of the club, I wish to express a very large thank you, for a job well done!

Stag, K8MKA
Activities Chairperson

HAMVENTION CHANGE

If you are a teetotaler, a change this year at the Dayton Hamvention will not affect you. As of January 1, the Hara Arena went dry. This was caused by a local law that went into effect on January 1. It seems the surrounding neighborhoods have had problems with less desirable and less behaved people who attend some functions at Hara Arena. The problems seem to happen more when they have the truck and mud pull, rock concerts, country music concerts and the gun and knife show. That township precinct got fed up with the problems and voted to make the precinct dry. So, if the weather is hot at the Hamvention, you will need to cool off with your favorite soft drink.

Steve, N8ZR

VOLUNTEER EXAMINATIONS

One thing the FCC was counting on when setting up the VE program was the integrity and professionalism of amateurs. By and large, this is true. I have recently heard of a few instances where there was a lack of integrity and professionalism. It seems a VEC has chosen to decertify a few Volunteer Examiners for habitual carelessness and sloppy work. It also seems the FCC is investigating instances in which Volunteer Examiners were "selling" licenses and upgrades. These VEs could easily lose their Extra Class license plus be banned from ever obtaining another radio license.

LIST OF NETS FOR THE USECA CLUB

1. INTERNATIONAL NET(SUNDAY AT 1:00 PM ON 147.180 Mhz +600)
2. TUESDAY EVENING NET(TUESDAY AT 8:00 PM ON 147.180 Mhz +600)EXCEPT ON THE SECOND TUESDAY OF THE MONTH.
3. THURSDAY CW NET(THURSDAY AT 7:30 PM ON 21.165 Mhz)
4. HOOTERS NET(FRIDAY NITE AT MIDNITE ON 147.180 Mhz +600)

LIST OF NET CONTROL STATION

INTERNATIONAL NET	TUESDAY NET	THURSDAY CW NET	HOOTER NET
1. VE3LFZ MARIE	1. K8QLM RICHARD	1. KASISG BOB	WARTOV WALT
2. N8GMA JERI	2. NO NET	2. WDSEGV ART	
3. N8FNZ CHUCK	3. N8BND JOHN	3. N8BWG JOHN	
4. KD8VJ DON	4. K8DHH LEN	4. WBSSJD LARRY	
	5. K8DHH LEN		10 MTS NET
			28.4 MHZ at 9:00 PM

RULES FOR CHECKING IN TO THE NET

1. CHECK IN WITH YOUR CALL AND YOUR NAME AND IF MOBILE IF SO.
2. IF ACTING AS A CONTROL OPERATOR FOR SOMEONE YOU MUST CHECK IN AS FOLLOWS, FIRST GIVE YOUR CALL _____ AS CONTROL OPERATOR FORTHERE CALL _____. THEN THE OTHER PERSON WILL GIVE THERE CALL _____ WITH YOUR CALL _____ AS CONTROL OPERATOR.

EXAMPLE

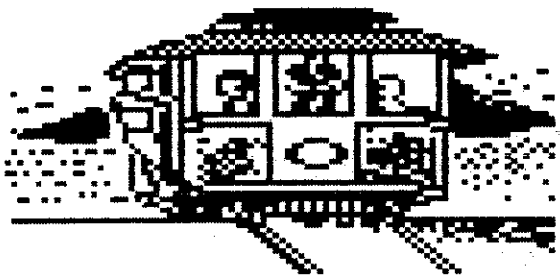
THIS IS K88VJ CONTROL OPERATOR FOR N8GLC. THEN N8GLC WOULD SAY THIS IS N8GLC WITH KD8VJ AS CONTROL OPERATOR.

3. NO ONE WILL BE ALLOWED TO CHECK ANYONE ELSE IN ONLY THEM SELF.
4. MOST IMPORTANT IS TO ENJOY THE NETS.

IF ANYONE HAS ANY SUGGESTION FOR THE NETS PLEASE LET ME KNOW OR SEND YOUR SUGGESTION ~~TEXT~~ TO ME. MY NAME AND ADDRESS IS:KD8VJ DON BECKMON
929 CHIPPEWA
MTCLEMENS MICH 48043

THANK YOU AND ENJOY THE NETS.

73,
Don, KD8VJ



THE CABOOSE

BY . . .

KBCFY

AS OUR EXPRESS TRAIN OF REPORTS, FACTS & NEWS CHUGS ON DOWN THE PAGE, THAT INEVITABLE LAST CAR, THE CABOOSE COMES IN SIGHT;

TO WRAP THINGS UP WITH TRIVIA, COMMENTS, PET PEEVES AND GENERALLY ANYTHING DEEMED NEWSWORTHY! Although at the tail end, the CABOOSE is not meant to be hindsight, but rather it is to be, hopefully informative & constructive. A recent conversation brought out many things that should be dealt with as 'Pet Peeves' -



"FOR ID" . . . this is a

redundant phrase..that serves no purpose!

"Break" - We all fall into habits very easily, and habits are hard to break. However, we should all take notice, and try to correct our misuse of the word 'break'. The correct way to enter an existing qso or to ask for the use of the frequency is simply to announce your call!

The use of the word "BREAK" signifies that you have an urgent need of the use of the frequency! To use "BREAK . BREAK" signifies a very dire need of the use of the frequency for an emergency of the greatest magnitude!!

Of course, it logically follows that those already using the frequency shall without delay, turn it to the requesting party, for whatever his needs may be. If he/she only want to join in, they should so state & turn it back to the party they broke in on. BUT . . . they may very well have traffic and should be allowed to use the frequency immediately. Too many times I am sure, we all have heard: "OK WBS--- recognized, and will give it to you in a minute, but . . . etc.!"

This sounds innocent enough, & usually it is; however, MAYBE, yes, MAYBE you have just delayed significantly an important emergency

Let's all try to make a concentrated effort to show our courtesy by doing it right!



IDENTIFYING -

We all know that identification is only necessary every ten minutes, and that only our own call is absolutely needed. So why in heavens name do some give a whole litany of names and calls on each & every turn when they have the mike & then the next party goes thru the same litany??? Consider the poor mobile who just checked in & is 4th on the list: when it gets to his turn, he is most likely home or about to get out of the car!

Which brings us to another Pet Peeve: did he 'arrive home' or did he 'get destinated'? It seems there has been much overuse and abuse of this contrived word. GOOD conversational words are much more pleasant to listen to, and raises us above the level of "CB slang slingers". We are supposed to be communicators; not language murderers. We can still have fun and communicate effectively with proper speech!



Let's take a breather now while I climb down from the soap box! And please! everyone; don't point fingers at me proclaiming how much I have been guilty of these infractions! Just remember: "Don't do as I DO; but DO as I SAY!"

TRIVIA CORNER

Hola! QUE HOMBRE CANTO EN LA CANTINA " viva el 60/40! " ?

The 1st SKN was held in 1970. "contacting stns on SKN is like driving a model T ford: it keeps you busy, the traveling is slow, but you get there just the same." (WSKL)

+ + + + +

Sure 'n I 'LL be seeing ya coom next meetin' time.

HAPPY ST. PADDY'S TO ALL O' YE!



NOVICE ENHANCEMENT SUPPLEMENT

Because this information, voluminous though it may be, is so sought-after and of much concern to all Radio Amateurs, the EXPRESS, will reproduce it verbatim. Information courtesy of the ARRL LETTER, supplied to your editor by WB8WWT.

FCC RELEASES CALL SIGN INQUIRY

As if the Novice Enhancement announcement wasn't enough, FCC released a second blockbuster this past week. Acting in response to a letter written by ARRL last June, and requests by three other interested parties, FCC has asked for comments on a proposal inquiring if call signs could be issued by the private sector! As stated in the Public Notice; "FCC favors the implementation of such a system if it can be accomplished with no additional cost or workload to the FCC. The purpose of this Public Notice is to solicit comments and proposals on this matter...so that a determination can be made as to whether to proceed with its implementation."

According to this proposal, FCC:

* Would only issue one 2x3 call sign for each new licensee, regardless of license class.

* This call sign would be from the NA-NZ block.

* FCC would then discontinue processing requests for any call sign changes, and freeze all presently assigned call signs.

* All other call signs would then be available to a special call sign coordinator, or SCSC, who could assign one or more supplemental call signs at the request of the licensee. This supplemental call sign could be used in lieu of the FCC assigned call sign.

* A SCSC would be operated on a not-for-profit basis but would be allowed to recover administrative costs.

* FCC said, in its preliminary view, that it would prefer having only one SCSC, since it would be more efficient in preventing the same call sign from being assigned to different stations and avoiding inconsistencies of assignment. Further, a single SCSC would minimize the number of points of contact between the SCSC and the

FCC, thus holding the administrative burden upon the FCC in check.

* The FCC said its selection criteria for an SCSC are:

1) The ability to assign call signs in an efficient and objective manner;

2) The ability to provide an accurate on-line access data base of assigned special call signs for Commission monitoring and compliance work;

3) The ability to minimize FCC resources required in the establishment of the special call sign system and;

4) The ability to minimize the cost to the licensee for administering the system.

Written comments on this matter, numbered PRB-3, and proposals to be the SCSC, are due on or before April 23, 1987, with reply comments filed on or before May 22. The Commission requests an original and 4 copies.

WRITTEN EXAMINATION CREDIT EFFECTIVE FEBRUARY 13

FCC has announced that written examination credit for Amateur Radio exams, PR Docket 86-63, will become effective February 13, 1987. The Office of Management and Budget (OMB) has approved a revised FCC Form 610; however the current July 1985 version, with an OMB expiration date of 3/31/88, will remain in use until revised forms are available. No official word has been received about those VEs who, relying on earlier FCC statements, gave some candidates written examination credit. At the time we went to press, it was believed that Gettysburg would grandfather such examination credits.

Now, please turn to EXPRESS PAGES Ten thru Thirteen for the whole story on Novice Enhancement right from the horse's mouth, so to speak.

As you will read, the "horse" (ARRL) virtually crafted and delivered this enhancement program to amateur radio, with FCC making few substantive changes to ARRL's proposal.

THE ARRL Letter

Volume 6, No. 3

February 11, 1987

NOVICE ENHANCEMENT RULE CHANGES

In October 1984, the ARRL Board of Directors set an ambitious goal of growth in the Amateur Service. From that grew the realization that a more attractive entry level license was necessary to meet that goal—a license that would allow a sampling of the smorgasbord of present radio technology. Thus, the concept of Novice Enhancement came into being. And it gained almost universal support. It was simply a matter of ironing out the details. That process was more than a year in the making, including comments in response to the FCC's proposed rulemaking released last April. The wait is over!

On February 10, FCC released the text of the Report and Order in PR Docket 86-161, Novice Enhancement. The rules become effective 0001 UTC March 21, 1987. The words which follow closely parallel the language of that Order.

BACKGROUND

On April 18, 1986, in response to several petitions, including one from the ARRL as authorized by its Board of Directors, the FCC adopted a Notice of Proposed Rule Making (NPRM) proposing to enhance Novice amateur privileges. The FCC proposed to authorize Novices voice and digital privileges in the 10 meter, 1.25 meter (220 MHz) and the .23 meter (1270 MHz) bands with transmitter peak envelope power maximums of 200 watts, 25 watts and 5 watts respectively. The FCC also requested information about changes in the number of Novice examination questions, the number of Volunteer Examiners (VEs), and whether a better balance between the requirements and privileges of the Technician license should be sought.

The proposal's purpose was to motivate prospective amateurs to join our ranks and to stay with our hobby and to advance through its five-tier licensing structure. The Commission wanted the licensing structure to become more responsive to the needs and desires of the amateur community.

COMMENTS

The Commission received more than 350 comments on the proposal. More than 80% supported it, believing that enhanced Novice privileges would attract and retain more persons in the Amateur Service. Dissatisfaction with the telegraphy-only privileges was blamed as a major cause of Novice operators dropping out of Amateur Radio. Manufacturers and distributors of Amateur Radio equipment said they hoped Novice Enhancement would curb the loss of operators and consequent declining sales of equipment.

The major concerns in the comments dealt mostly with the fear that excessive privileges for Novices could diminish the incentive to upgrade to a higher license class. There was also a concern that the expansion of the Novice subbands could jeopardize the usefulness of the amateur beacon system on 10 meters. The ARRL, in its comments, stated that amateurs traditionally observe voluntary operating restrictions when necessary for the protection of beneficial operations like the beacon system, and that should not be an area of concern. About 5% of the commenters were apprehensive that Novice phone privileges in the 10-meter band could attract unlawful operators from the nearby 11-meter band.

The comments the Commission received generally concurred that the Novice written examination should closely correspond to its privileges. They favored increasing the written examination to 30 questions or even more. The repeated concern was that Element 2 should not be so difficult as to discourage newcomers.

The ARRL had requested two Volunteer Examiners (VEs) to administer a Novice examination. This was to minimize the possibility of examination fraud. A number of comments also recommended that the Novice examinations be prepared and administered under the Volunteer-Examiner Coordinator (VEC) system. The ARRL had

opposed this approach because it would increase the burden on the VEC system and possibly reduce the availability of examinations.

The FCC said that the possibility of enhanced privileges for Novices has already stimulated growth in the Amateur Radio Service. In the 12 month period between October 1, 1985 and October 1, 1986 nearly 21,000 new persons entered the Amateur Radio Service, an increase of 20.75% over the previous 12 months. Furthermore, the number of licensees dropping out of Amateur Radio decreased by 15%. FCC believes that these are indications that changes in the entry level license are appropriate.

RULE CHANGES

220-MHZ BAND: The Commission said that VHF privileges for Novices would create the interest that is needed for amateurs to continue in the hobby and at the same time motivate them to advance to the higher classes. The Commission then authorized **222.10-223.91 MHz subband for Novices using all modes with a maximum power of 25 watts PEP.** FCC said it chose these input frequencies based on the voluntary band plan now under review by the ARRL. Novices cannot be licensees, control operators or trustees of repeaters, even when the input and output frequencies of a repeater fall within the Novice subband.

1270-MHz BAND The FCC opened another Novice subband at **1270-1295 MHz with all available emissions, limited to a maximum power of 5 watts PEP.**

10-METER SUBBANDS: The subband for Novices and Technicians will be enlarged on 10 meters. **The new subband will be between 28.1-28.5 MHz; CW and digital modes from 28.1 to 28.3 MHz; CW and SSB modes from 28.3-28.5 MHz.** Novice and Technicians are limited to 200 watts output in this band, but other licensees are not similarly limited, (unlike on the 80, 40 and 15 meter Novice subbands).

ELEMENT 2 CHANGES Element 2, the Novice written examination is largely based upon CW operation. Now that Novices are to have voice privileges, FCC believes that the examination should be broadened and **will require 10 additional questions, for a total of 30, to make the scope of the Novice examination appropriate to the new privileges, without creating a significant barrier to potential Novices.**

2 The ARRL Letter

TWO VE'S FOR NOVICE EXAMS: FCC agreed with ARRL that the added safeguard of having two Volunteer Examiners (VEs) was justified although there may be isolated areas where locating two VEs may be difficult. FCC Form 610 will be revised to show the certification of two examiners.

NOVICE EXAMS NOT ADDED TO VEC: FCC said that to incorporate the Novice examination system under the VEC system would nearly double the workload and expense for the volunteers operating that system, and agreed with the comments which said that the present system is more convenient and less stressful for beginners.

FCC WILL SPLIT ELEMENT 3: The present Element 3, the General/Technician written examination, requires Technicians to be knowledgeable about General class privileges. FCC said that to require any applicant to be knowledgeable about privileges which the license does not authorize is inconsistent and a burden upon applicants and instructors. FCC will separate Element 3 into two parts. **Technician class questions will be placed into an Element 3(A) and General class questions will be placed into an Element 3(B) VEC question pool.** Thus, VEC's will now have to revise Element 3 in order to move certain questions to Element 2, and divide the remaining Element 3 questions into the two sub-elements as appropriate.

GRANDFATHERED: All present Novices and Technicians will be authorized the new privileges without additional testing. FCC does recommend that present Novices become knowledgeable in the new requirements before using their new privileges.

FCC FORM 610 CHANGES: The Form 610, which is currently undergoing revision to reflect written examination credit, will undergo further changes to reflect two examiners for the Novice class, and to include the separation of Elements 3(A) and 3(B).

As it turns out, the Report and Order is very, very close to the original ARRL proposal submitted in June 1985! FCC, in this action, has retained the basic goal of the ARRL--to make Amateur Radio more attractive to the newcomer, without compromising the entrance requirements that are so important to maintaining a quality Service.

The following are the actual rule changes to Part 97.

APPENDIX

Part 97 of Chapter 1 of Title 47 of the Code of Federal Regulations is amended, as follows:

1. The authority citation for Part 97 continues to read, as follows:

Authority citation: 48 Stat. 1066, 1082, as amended; 47 U.S.C. 154, 303. Interpret or apply 48 Stat. 1064-1068, 1081-1105, as amended; 47 U.S.C. 151-155, 301-609, unless otherwise noted.

2. Section 97.7(a) is revised, as follows. The line entry for the 10-meter band is revised to read as shown below. Following the kilohertz listing, a megahertz listing for the 1.25 and 0.23-meter bands is added.

§97.7 Frequency privileges.

(a) *Novice class:*

Meter Band	Terrestrial location of the amateur radio station			Limitations see para (g)
	ITU Region 1	ITU Region 2	ITU Region 3	
		kilohertz		

10	28100-28500	28100-28500	28100-28500	1
		megahertz		
1.25	-----	222.1-223.91	-----	5
0.23	1270-1295	1270-1295	1270-1295	5, 22

3. In Section 97.7(b), the line entry for the 10-meter band is revised to read:

§97.7 Frequency privileges.

(b)***

Meter Band	Terrestrial location of the amateur radio station			Limitations see para (g)
	ITU Region 1	ITU Region 2	ITU Region 3	

10	28100-28500	28100-28500	28100-28500	1

4. Section 97.7(g)(1) is revised to read, as follows:

§97.7 Frequency privileges.

(g) *Limitations:*

(1) Control operators holding the Novice or Technician class operator license are limited to international Morse code when the station is transmitting emission A1A in the 80, 40, 15 and 10 meter bands.

5. In Section 97.21, paragraphs (c) and (d) are revised to read, as follows:

§97.21 Examination elements and standards.

(c) A written examination shall be such as to prove that a person possesses the operational and technical qualifications required to perform properly the duties of an amateur radio licensee. Each written examination shall be comprised of a question set, as follows:

(1) Element 2: At least 30 questions concerning the privileges of Novice class licensees;

(2) Element 3(A): At least 25 questions concerning the additional privileges of Technician class licensees;

(3) Element (3B): At least 25 questions concerning the additional privileges of General class licensees;

(4) Element 4(A): At least 50 questions concerning the additional privileges of Advanced class licensees;

(5) Element 4(B): At least 40 questions concerning the additional privileges of Amateur Extra class licensees;

(d) The topics and percentage of questions in each question set shall be that listed for the appropriate examination element.

Topic	<i>Elements</i>				
	2	3(A)	3(B)	4(A)	4(B)
(1) Federal Communications Commission's Rules for the Amateur Radio service	35%	20%	16%	12%	20%
(2) Amateur station operating procedures	5%	12%	12%	2%	10%
(3) Radio wave propagation characteristics of amateur frequency bands	5%	12%	12%	4%	5%
(4) Amateur Radio Practices	15%	16%	20%	8%	10%
(5) Electrical principles as applied to amateur station equipment	15%	8%	8%	20%	15%
(6) Amateur station equipment circuit components	5%	8%	4%	12%	10%
(7) Practical circuits employed in amateur station equipment	5%	4%	4%	20%	10%
(8) Signals and emissions transmitted by amateur stations	5%	8%	8%	12%	10%
(9) Amateur station antennas and feed lines	10%	12%	16%	10%	10%

6. Section 97.23 is revised to read, as follows:

§97.23 Examination requirements.

Applicants for operator licenses will be required to pass the following examination elements;

- (a) Amateur Extra: Elements 1(C), 2, 3(A), 3(B), 4(A) and 4(B);
- (b) Advanced: Elements 1(B), 2, 3(A), 3(B) and 4(A);
- (c) General: Elements 1(B), 2, 3(A) and 3(B);
- (d) Technician: Elements 1(A), 2 and 3(A);
- (e) Novice: Elements 1(A) and 2.

7. In Section 97.25 paragraph (a) is revised and a new paragraph (e) is added to read, as follows:

§97.25 Examination credit.

(a) An applicant for a higher class of amateur operator license who holds a valid amateur operator license issued by the Federal Communications Commission will be given credit, as follows:

- (1) Novice: Elements 1(A) and 2;
- (2) Technician: Elements 1(A), 2 and 3(A)
- (3) General: Elements 1(B), 2, 3(A) and 3(B);
- (4) Advanced: Elements 1(B), 2, 3(A), 3(B) and 4(A).

(e) An applicant holding a Technician operator license issued before (effective date of these rules) will be given credit for Elements 1(A), 2, 3(A) and 3(B).

8. In Section 97.28, paragraphs (a) and (b) are revised to read, as follows:

§97.28 Examination administration.

(a) Unless otherwise prescribed by the Federal Communications Commission, each examination for an amateur radio operator license (except the Novice operator license) shall be administered by three accredited (see §97.515) volunteer examiners. A volunteer examiner administering element 1(A) or element 2 (in conjunction with an examination other than a Novice operator examination), or element 3(A), must hold an Amateur Extra or Advanced radio operator license issued by the Federal Communications Commission. A volunteer examiner administering element 1(B), element 1(C), element 3(B), element 4(A), or element 4(B) must hold an Amateur Extra operator license issued by the Federal Communications Commission.

(b) Unless otherwise prescribed by the Federal Communications Commission, each examination for a Novice operator license shall be administered by two volunteer examiners. The volunteer examiners do not have to be accredited. The volunteer examiners must hold current General, Advanced or Amateur Extra operator licenses issued by the Federal Communications Commission.

9. Section 97.61 (a) is amended by adding a new line entry before 28000-28300 kHz, by removing limitation 1 from the line entry for 28000-28300 kHz, by adding a new limitation 3 in the line entry for 28300-29500 kHz, and by deleting line entry 28300-29700 kHz and substituting therefor line entry 29500-29700 kHz.

§97.61 Authorized emissions.

(a) kilohertz:

Frequency kHz	Emissions	Limitations see para. (d)

28000-29700	A1A	
28000-28300	A1A, F1B	
28300-29500	A1A, A3E, F3E, G3E, A3C, F3C, A3F, F3F, H3E, J3E, R3E	3
29500-29700	A1A, A3E, F2A, F3E, G3E, A3C, F3C, A3F, F3F, H3E, J3E, R3E	

10. Section 97.61(d) is amended to add a new limitation (3), as follows:

§97.61 Authorized emissions.

(d) ***

(1) ***

(2) ***

(3) A station with a Novice or Technician control operator is authorized to transmit only emissions A1A and J3E in this subband.

11. Section 97.67 is revised by changing subparagraph (6) of paragraph (d) and by adding new paragraphs (j) and (k) as follows:

§97.67 Maximum transmitting power.

(d) ***

(e) 28100-28500 kHz when the control operator holds a Novice or Technician class operator license.

(j) The transmitter power of each amateur station at which the control operator holds a Novice class operator license shall not exceed 25 watts peak envelope power when transmitting in the 1.25 meter band.

(k) The transmitter power of each amateur station at which the control operator holds a Novice class operator license shall not exceed 5 watts peak envelope power when transmitting in the 0.23 meter band.

12. Section 97.85 is amended by adding a new paragraph (i) as follows:

§97.85 Repeater operation.

(i) No amateur station at which the control operator or station licensee holds a Novice class operator license shall be in repeater operation.

13. Section 97.86 is amended by adding a new paragraph (e), as follows:

§97.86 Auxiliary operation.

(e) No amateur station at which the control operator or station licensee holds a Novice class operator license shall be in auxiliary operation.

14. Section 97.87 is amended by adding a new paragraph (f), as follows:

§97.87 Beacon operation.

(f) No amateur station at which the control operator or station licensee holds a Novice class operator license shall be in beacon operation.

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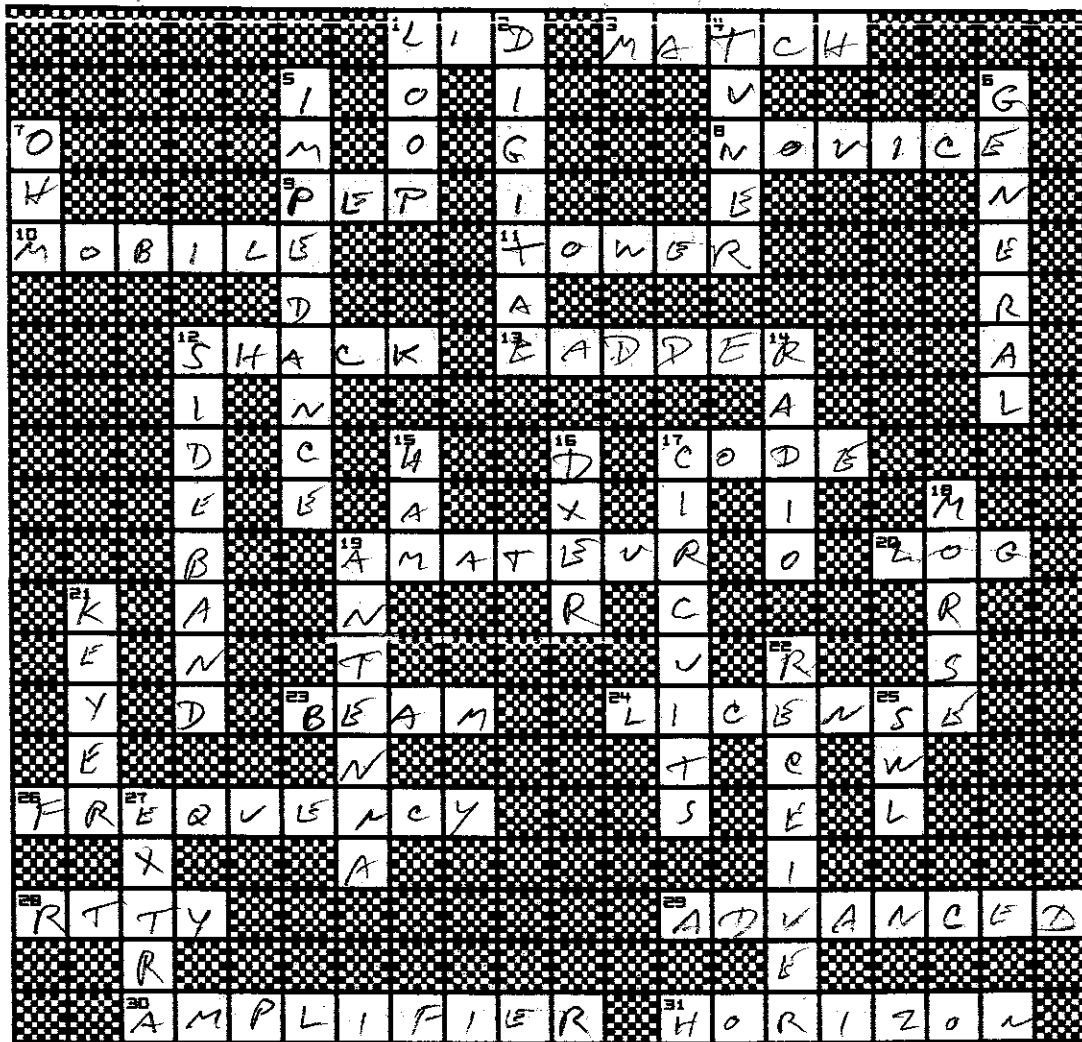
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Submitted by WD8EGQ/WD8IWE/WD8EKY



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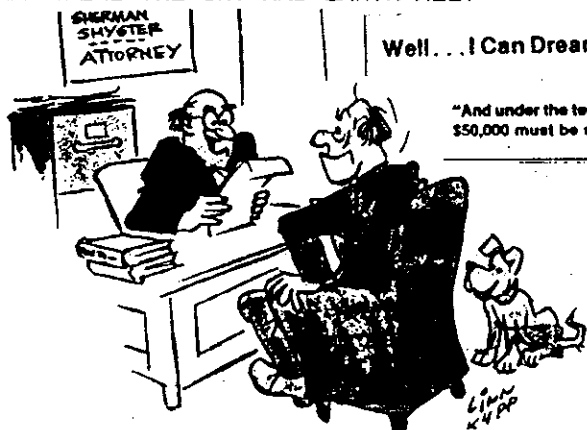
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1. POOR OPERATOR
3. RESONANT ANTENNA
8. BEGINNER
9. PEAK ENVELOPE POWER
10. WHEELS
11. THE HIGHER THE BETTER
12. WHERE A HAM SPENDS HIS/HER TIME
13. TYPE OF FEEDLINE
17. WHAT YOU HAVE TO LEARN
19. ONE WHO CULTIVATES ANY SPORT OF STUDY FOR THE LOVE OF IT AND NOT THE MONEY
20. RECORDS
23. DIRECTIONAL ANTENNA
24. NEEDED TO OPERATE STATION
26. IS THE CLEAR?
28. TYPE OF OPERATION
29. CLASS OF LICENSE
30. INCREASES POWER
31. WHERE THE SKY AND EARTH MEET

1. TYPE OF ANTENNA
2. READOUT
4. USED TO RESONATE ANTENNA
5. COMBINATION OF RESISTANCE AND REACTANCE
6. CLASS OF LICENSE
7. MEASUREMENT OF RESISTANCE
12. ABOVE AND BELOW CARRIER FREQUENCY
14. WHAT YOU NEED TO RECEIVE AND TRANSMIT
15. OUR NICKNAME
16. LONG DISTANCE TALKER
17. PATH OF AN ELECTRICAL CURRENT
18. INVENTED CODE
19. USED FOR RECEIVING AND SENDING ELECTRICAL WAVES
21. USED FOR CODE
22. SWLERS NEED THIS
25. SHORTWAVE LISTENER
27. CLASS OF LICENSE



Well... I Can Dream, Can't I?

by Bandel Linn K4PP

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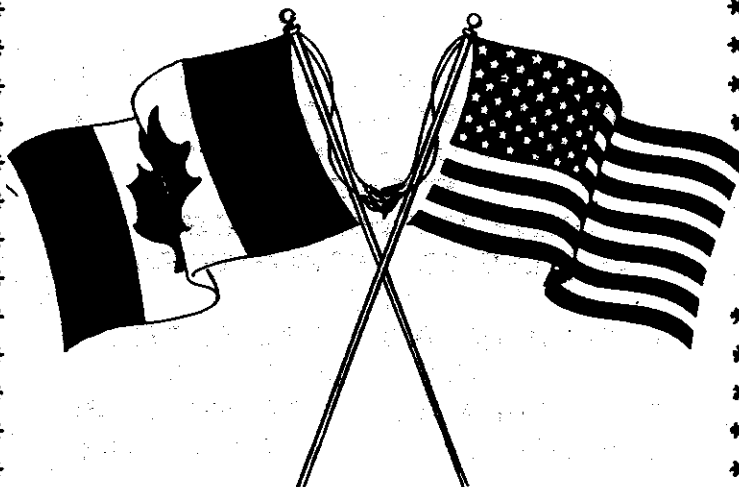
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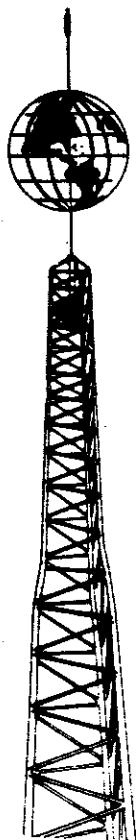
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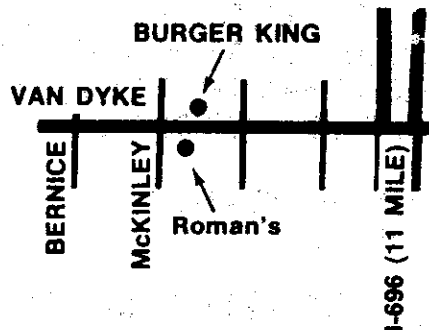
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