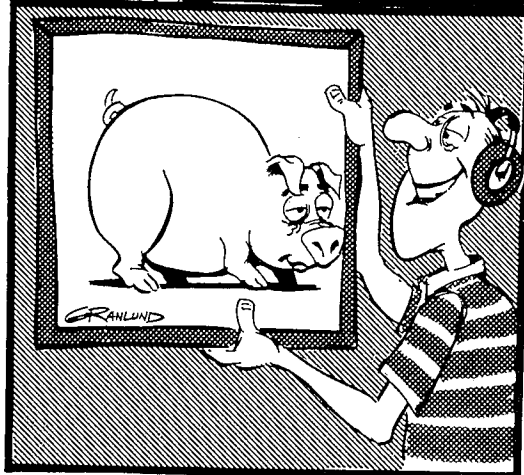


Feb. 1982

The FRAMINGHAM

FRAMINGHAM AMATEUR
RADIO ASSOCIATION
NEWSLETTER



PRESIDENT - LEW NYMAN - K1AZE	879-7456
V. PRESIDENT - JIM BOATES - WA1UEH	653-6398
SECRETARY - RON EGALKA - K1YHM	877-4520
TREASURER - HOW DAVIS - WA1VFJ	655-4720
ACTIVITIES - MARTY GREEN - WA1WHU	877-1768
ASSOCIATION CALLSIGN - W1FY	
MAIL ADDRESS: P.O. BOX 3005, FRAMINGHAM, MA. 01701	
THE FRAMINGHAM AMATEUR RADIO ASSOCIATION MEETS THE FIRST THURSDAY OF THE MONTH AT 7:30 P.M. AT THE FRAMINGHAM CENTER LIBRARY. ALL AMATEURS AND PERSONS INTERESTED IN AMATEUR RADIO ARE INVITED TO ATTEND.....	
EDITOR - JIM BOATES - WA1UEH	653-6398
17 BRAEMORE ROAD, NATICK, MA. 01760	

THE NEXT MEETING OF THE FRAMINGHAM AMATEUR RADIO ASSOCIATION WILL BE HELD AT THE FRAMINGHAM CENTER LIBRARY ON FEBRUARY 7TH STARTING AT 7:30 P.M. THE BUSINESS MEETING WILL BE KEPT SHORT IN ORDER FOR PRESIDENT LEW, K1AZE TO GIVE YOU DETAILS ON A BRAND NEW DEVELOPMENT. THIS NEW DEVELOPMENT WILL, HOPEFULLY, ADD A NEW DIMENSION TO OUR ASSOCIATION, ESPECIALLY, TO OUR MEMBERS WHO LIVE IN APARTMENTS AND OTHER LOCATIONS THAT MAKE INSTALLING PROPER ANTENNAS DIFFICULT IF NOT IMPOSSIBLE. MORE DETAILS AT THE MEETING. SEE YOU THERE.....

**** LAST MEETING ****

THE DATE FOR THE SPRING FLEA MARKET WAS SET FOR SUNDAY, APRIL 27TH. THIS WAS THE ONLY DATE AVAILABLE, WHERE WE COULD HAVE THE DRILL SHED ON SATURDAY NIGHT TO SET UP TABLES AND MAKE PREPARATIONS FOR THE FLEA MARKET. AFTER A BRISK DISCUSSION IT WAS DECIDED TO KEEP THE ENTRANCE FEE AT ONE DOLLAR, WITH NO DOOR PRIZES. A SEPERATE TABLE WILL BE SET UP WHERE CHANCES ON GEAR TO BE RAFFLED WILL BE SOLD. THE PRICE OF A SIX FOOT TABLE WILL BE RAISED TO \$6.00 WITH PRIOR REGISTRATION MANDATORY. NO HALF TABLES WILL BE SOLD. NO TABLES WILL BE SOLD AT THE DOOR....

BOB DAY, WBIFXR, GEORGE BLAKESLEE, N1GB, JOHN MACLEOD WA1IGL, JON WIENER, K1VVC, GREG ASKIN KA1CZE, ED EDMUNDS, WB1GBU, JULIE HOFFER, W1DL AND ALL ASSOCIATION OFFICERS WERE NAMED TO SERVE ON THE FLEA MARKET COMMITTEE.....

IT WAS VOTED TO CORRECT THE SPELLING ON OUR MASTHEAD TO AMATEUR FROM THE INCORRECTLY SPELLED AMATURE.....

LEW K1AZE INTRODUCED NEW MEMBERS GEORGE PINKHAM, KA1JDY, OLIN MILLER W1BBX, AND GARY CONSIGLI KA1DHP. WE WELCOME YOU TO OUR ASSOCIATION AND HOPE YOU WILL TAKE AN ACTIVE PART IN OUR MANY ACTIVITIES.....

A MOTION PASSED DIRECTING OUR SECRETARY, RON EGALKA K1YHM TO ASSESS OUR FINANCIAL SITUATION AND REPORT HIS SUGGESTIONS ON HOW TO INVEST OUR FUNDS MORE EFFECTIVELY. HE WILL REPORT HIS SUGGESTIONS TO THE MEMBERS FOR THEIR APPROVAL AND DISCUSSION. RON, A PROFESSIONAL BANKER, IS THE BEST QUALIFIED OF OUR MEMBERS TO GUIDE AND ADVISE US IN THIS MATTER. THE ASSOCIATION THANKS YOU, RON, FOR TAKING TIME OUT OF A BUSY CAREER TO ASSIST US IN THIS MATTER.....

LEW, KIAZE SUGGESTED THAT ANY MEMBER OF THE ASSOCIATION WHO HAS A GRIPE, INFORMATION OR FOR ANY OTHER REASON WANTS TO CONTACT AN ASSOCIATION OFFICER, THEIR TELEPHONE NUMBERS ARE LISTED ON THE MASTHEAD OF THE NEWSLETTER. LETS HEAR FROM YOU.....

THE NOVICE CLASSES ENDED IN DECEMBER WITH NINE PASSING THE CODE TEST AND WAITING FOR THEIR CALLSIGNS OR FCC TESTS. THE TURN AROUND TIME FOR THE EXAMS AND ALLOCATIONS OF CALLSIGNS HAS BEEN EXTREMELY SLOW THIS YEAR. ONE OF OUR NOVICES A YL HAS PASSED HER GENERAL EXAM. GENERAL CLASSES STARTED AT MACS, WA1IGL'S QTH WITH TEN PEOPLE ATTENDING SATURDAY MORNING CLASSES. WE HOPE ALL ATTENDING SUCCESSFULLY UPGRADE.....

**** GOOD NEWS ****

THE ANNUAL DINNER PARTY HELD AT MARCONI'S WAS A GREAT SUCCESS WITH 61 MEMBERS AND FRIENDS ATTENDING. THE FOOD AS USUAL WAS PLENTIFUL AND DELICIOUS. THE SPEECHES WERE SHORT AND GOOD FELLOWSHIP WAS ENJOYED BY ALL. IT COST YOUR ASSOCIATION \$179.95 BUT IT WAS WELL WORTH IT TO GIVE OUR LONG SUFFERING XYL'S A PLEASANT NIGHT OUT, AND FOR OUR MEMBERS TO ENJOY EACH OTHERS COMPANY. WE WERE HONORED TO HAVE AS OUR GUEST, GENERAL RAYMOND C. MAUDE. GENERAL MAUDE WAS THE OFFICER IN CHARGE OF COMMUNICATIONS IN THE EUROPEAN THEATER DURING WORLD WAR 2. IF YOU MISSED THIS EXCELLANT DINNER AND GET TOGETHER YOU MISSED A REALLY GREAT TIME.....

GEORGE BLAKESLEE'S ARTICLE ON COMPUTER ORIENTED BEAM SETTINGS IS SCHEDULED TO APPEAR IN THE MAY ISSUE OF QST. WE ARE LOOKING FORWARD TO THIS ARTICLE, HOPE OUR INFORMATION IS CORRECT.

**** PRESIDENTS MESSAGE ****

OUR NEXT FLEA MARKET WILL SOON BE UPON US. AT OUR LAST MEETING, SOME KEY DECISIONS WERE MADE BY THE MEMBERS PRESENT, CONCERNING THE HANDLING OF OUR FLEA MARKETS. IN FACT, THE MEMBERS WERE INVOLVED IN A RATHER HEARTY DEBATE CONCERNING A COUPLE OF MAJOR ISSUES RELATING TO FLEA MARKET POLICY. IN EACH CASE A VOTE WAS TAKEN AND THE ISSUE WAS SETTLED. IN THE FINAL ANALYSIS IT PROVED THAT OUR ASSOCIATION FUNCTIONS DEMOCRATICALLY. EACH AND EVERY HAS A SAY IN ALL PERTINENT MATTERS. DECISIONS ARE NOT MADE BY A SELECT FEW WHICH QUITE FREQUENTLY IS THE CASE WITH OTHER CLUBS. THE DECISIONS ARE MADE BY A VOTE OF THE MAJORITY OF THE MEMBERS. THE ASSOCIATION OFFICERS ARE NOT THE DECISION MAKERS. THEY ARE RESPONSIBLE ONLY FOR ASSURING THAT THE WISHES OF THE MEMBERSHIP ARE CARRIED OUT SUCCESSFULLY. IT BEHOVES ALL MEMBERS TO ATTEND AS MANY OF OUR MEETINGS AS POSSIBLE. BY ATTENDING MEETINGS YOUR VOICE ~~WILL BE HEARD AND COUNTED.~~ IF YOU ARE UNABLE TO ATTEND MANY MEETINGS YOU ARE ENCOURAGED TO WRITE OR CALL ANY OF YOU ASSOCIATION OFFICERS AND ADVISE THEM OF YOUR THOUGHTS AND SUGGESTIONS CONCERNING PERTINENT MATTERS. ALTHOUGH OUR ASSOCIATION EXISTS PARTLY TO SERVE THE COMMUNITY AS WELL AS THE AMATEUR FRATERNITY, IT'S PRIMARY FUNCTION IS TO PROVIDE ENJOYMENT AND ENTERTAINMENT FOR ITS MEMBERS. I AM VERY CONFIDENT THAT THE ASSOCIATION IS FULFILLING THESE RESPONSIBILITIES TO THE UTMOST. BUT, WE MUST ASSURE OURSELVES THAT THIS WILL ALWAYS BE THE CASE. WE, YOUR ASSOCIATION OFFICERS, LOOK FOR YOUR CONTINUED SUPPORT AND GUIDANCE IN THE FUTURE, FOR A MOST SUCCESSFUL AND ENJOYABLE AMATEUR RADIO ORGANIZATION.....

SIGNED: LEW NYMAN KIAZE, PRESIDENT..

**** DX-PECTATIONS ****

CHINA OPERATION BY ZLIADI AND ZLIAMO IS APPARENTLY GOING TO HAPPEN, THOUGH DATES ARE STILL NOT FIRM, ZLIAMO IS PROJECTING SOMETIME IN FEBRUARY OR EARLY MARCH....

Y2 CALLSIGNS HEARD JANUARY 1 ARE MERELY EAST GERMAN AMATEURS USING NEW PREFIXES ANNOUNCED LAST SUMMER....

ZA3KL MAY WELL BE PHONY AFTER ALL. REPORTS FROM A NUMBER OF EUROPEAN AMATEURS INDICATE HIS SIGNAL POINTS CLOSER TO CENTRAL ITALY THAN ALBANIA....

THE HEARD ISLAND EXPEDITION GROUP IS NOW SCHEDULED TO LEAVE FREEMANTLE, AUSTRALIA ON FEBRUARY 29, AND GEOFF WATTS REPORTS THAT AN AMATEUR IS NOW INCLUDED IN THE 12- MAN PARTY.....

OPERATION FROM 4S7DX AND VS5KV AS WELL AS 807 AND 9M6 ON 6 METERS [ALONG WITH LOWER BANDS] IS PROMISED BY KP2A DURING MARCH AND APRIL. CONTRIBUTIONS CAN GO TO THE INTERNATIONAL DX FOUNDATION, JOHN ACKLEY, KP2A, BOX 10245, CHARLOTTE AMALIE, VI 0081.

OS7 AND OR7 PREFIXES ARE BEING USED BY BELGIAN AMATEURS TO CELEBRATE THE BRUSSELS MILLENIUM.....

CEØZG HAS BEEN DELAYED, PROBABLY UNTIL MARCH 1. THE CEØX OPERATION HAS ALSO BEEN PUT OFF, PROBABLY TO ABOUT THE SAME TIME.....

N4HX/TT'S OPERATION IS OK, AND HIS QSLs ARE NOW BEING ACCEPTED FOR DXCC CREDIT. LONG AWAITED SUPPORTING DOCUMENTS HAD SOMEHOW GONE TO GENEVA RATHER THAN NEWINGTON!.....

SEVERAL UA/YA STATIONS HAVE BEEN WORKED ON 20 METERS DURING THE PAST FEW DAYS, FREELY ADMITTING THEIR AFGANISTAN LOCATION FOLLOWING RUSSIA'S TAKE-OVER OF THE COUNTRY. QSL'S., THEY HAVE SAID, GO TO BOX 88, MOSCOW.....

**** SOCIAL EVENTS ****

- FEB 24 ALGONQUIN A.R.C. INDOOR FLEA MARKET, MARLBORO JR. H.S. MARLBORO, MA.
SUN. SET-UP 9-1Ø, DOORS OPEN 1Ø TILL 2, 50 CENT ADMISSION, TABLES \$5.00
IN ADV. \$7.5Ø AT THE DOOR, REFRESHMENTS AVAIL. MORE INFO AND RESERVA-
TIONS VIA W1BK, CHARLES MCCARTHY, 128 FOREST ST. HUDSON, MA.....
- MAR 7 LOWELL UNIVERSITY A.R.C. INDOOR AUCTION, CUMNOCK HALL, LOWELL MA.
PRI. DOORS OPEN AT 6, AUCTION STARTS AT 7PM, TABLES FOR ITEMS OVER \$75.00,
AND UNDER \$1. WILL BE SET UP. TALK-IN 52 DIRECT.....
- MAR 8 INTERSTATE REPEATER SOC. HAMFEST + AUCTION TALK-IN 25/85
SAT. MANCHESTER, NH.
- APR 27 FRAMINGHAM A.R.A. SPRING FLEA MARKET, REAR OF FRAMINGHAM POLICE
SUN. STATION. RESERVATIONS AND INFO VIA F.A.R.A. P.O. BOX 3ØØ5, FRAMING-
HAM, MA. Ø17Ø1. TALK-IN 52 DIRECT AND 147.15/74, FOOD AVAIL. SET-
UP 9 TO 1Ø, DOORS OPEN 1Ø TO 2 P.M.....
- MAY 1Ø THE 7TH ANNUAL HOSS TRADERS [THE BIGGEST AND BEAT] TAILGATE SWAP-
FEST, DEERFIELD FAIRGROUNDS, DEERFIELD, N.H. [COVERED BLDGS IF RAIN]
ADMISSION \$1.00 NO COMMISSION OR PERCENTAGE. EXCESS REVENUES TO
BOSTON BURNS UNIT OF THE SHRINERS HOSPITAL FOR CRIPPLED CHILDREN.
FOOD AVAIL. TALK-IN 52 DIRECT AND 146.4Ø-147.ØØ. INFO OR MAP SEND
S.A.S.E. TO NORM BLAKE WA1IVB, P.O. BOX 32, CORNISH, ME. Ø4Ø2Ø

!!!! SHOCKING NEWS !!!!

HOW MUCH CURRENT DOES IT TAKE TO KILL YOU? THAT'S A DIFFUCULT QUESTION TO ANSWER SINCE IT DEPENDS ON SEVERAL DIFFERENT FACTORS.

WHILE SHOCK HAZARD LIMITATIONS ARE NORMALLY PRESENTED AS VOLTAGE LEVELS, IT SHOULD BE UNDERSTOOD THAT IT IS ULTIMATELY CURRENT AND NOT VOLTAGE THAT CONSTITUTES THE REAL HAZARD. THE THREE FACTORS THAT DETERMINE THE SEVERITY OF ELECTRICAL SHOCK ARE:

1. QUANTITY OF CURRENT THROUGH THE BODY.
2. DURATION OF TIME THAT CURRENT FLOWS THROUGH THE BODY.
3. CURRENT PATH THROUGH THE BODY.

THE VOLTAGE NECESSARY TO PRODUCE THE FATAL CURRENT IS DEPENDENT UPON THE RESISTANCE OF THE BODY, CONTACT CONDITIONS, AND THE PATH THROUGH THE BODY. THE LIMIT OF EXTRA LOW VOLTAGE CONSIDERED TO BE SAFE UPPER LIMIT UNDER NORMAL CONDITIONS IS APPROXIMATELY 30-40 VOLTS. THE FOLLOWING TABLES OF BODY RESISTANCE AND CURRENT REACTIONS ARE SUBJECT TO MANY VARIABLES AND THEREFORE ARE ONLY APPROXIMATIONS.

HUMAN BODY RESISTANCE TO ELECTRICAL CURRENT.

CONDITION	OHMS-BODY RESISTANCE
DRY SKIN	100k TO 600K
WET SKIN	1000 OHMS
INTERNAL BODY	400 TO 600 OHMS [HAND TO FOOT]
EAR TO EAR	100 OHMS.

PROBABLE EFFECTS OF SHOCK...

<u>CURRENT VALUES [MA]</u>	<u>EFFECTS</u>
1	ESTIMATED PERCEPTION.
1-4	SURPRISE, SENSATION OF SHOCK, NOT PAINFUL, INDIVIDUAL CAN STILL LET GO.
4-15	PAINFUL SHOCK, REFLEX ACTION, INDIVIDUAL CAN USUALLY STILL LET GO AT THIS POINT.
15-20	PAINFUL SHOCK, MUSCULAR CONTROL IS LOST IN CURRENT PATH. <u>CANNOT LET GO!</u>
20-50	PAINFUL MUSCULAR CONTRACTION, BREATHING DIFFUCULT!
50-100	[POSSIBLE] VENTRICULAR FIBRILLATION!!!!
100-200 [CERTAIN]	HEART STOPPAGE, <u>INSTANT DEATH</u> . NO KNOWN REMEDY UNLESS DEFIBRILLATION EQUIPMENT AND OPERATOR ARE AVAILABLE.
200-UP	SEVERE BURNS, SEVERE MUSCULAR CONTRACTION, CHEST MUSCLES CLAMP AND STOP THE HEART FOR THE DURATION OF THE SHOCK

IN ADDITION TO THE ABOVE, RELATIVELY SMALL CURRENTS CAN BE LETHAL IF THE PATH INCLUDES A VITAL PART OF THE BODY SUCH AS THE HEART OR LUNGS....

THERE ARE TWO TYPES OF BURNS CAUSED BY ELECTRICITY. THOSE PRODUCED BY HEAT OF THE ARC WHICH OCCURS WHEN THE BODY TOUCHES A HIGH-VOLTAGE SOURCE, AND THOSE CAUSED BY PASSAGE OF ELECTRICAL CURRENT THROUGH THE SKIN AND TISSUE. ONCE THE SKIN AND TISSUE HAVE BEEN BROKEN DOWN, AND IF THE VOLTAGE SOURCE IS NOT CURRENT-LIMITED, THE CURRENT CAN BE EXPECTED TO RISE RAPIDLY TO POSSIBLY LETHAL LEVELS.

REMEMBER, THE OLD ADAGE OF "KEEP ONE HAND IN YOUR POCKET WHEN MAKING VOLTAGE/CURRENT CHECKS" IS STILL GOOD ADVICE.....TNX QRA NEWS....

**** SWAP AND SHOP ****

FOR SALE: A "SWAN" 500CX IN EXCELLENT CONDITION [\$350.00], "SWAN" 117AX POWER SUPPLY/SPEAKER [\$100.00], "SWAN" 508 EXTERNAL VFO [\$125.00]"SWAN" AUDIO FILTER [\$25.00] "MAGNUM" 6 SPEECH PROCESSOR [\$100] ALL MANUALS, NO MODIFICATIONS. ASKING \$650.00 FOR TOTAL PACKAGE. "SWAN" VOX AND TRAC KEYS AND "SHURE" 444 MICROPHONE FREE WITH PACKAGE...FOR MORE INFO CONTACT DON BERGER, K1VSK. WEEKDAYS, 8 TO 5, AT 861-6700 EXT 212. NIGHTS, 401-762-2113 NIGHT PHONE IS IN R.I.....

FOR SALE - A THREE MONTH OLD "STANDARD" C-118 WALKIE-TALKIE, LIKE NEW, 6 CHANNEL, 5 FILLED. 1 EXTRA CRYSTAL CERTIFICATE, WITH CHARGER AND RUBBER DUCKY ANTENNA. CRYSTALS FOR 52-94-82-64-70, OFFSET IS INTERNAL. SMALL AS A WILSON. FOR INFO CONTACT JIM N1JR AT 653-3844.....

FOR SALE - A "COLLINS" STATION CONSOLE CONTROL. MODEL 312 B4, RECENT ROUND EMBLEM, CONTAINS A PHONE PATCH, SPEAKER AND SWR BRIDGE..FOR MORE INFO CONTACT JULIE WIDL AT 872-5084.....

FOR SALE - A BRAND NEW "MILLEN" POWER SUPPLY, 550-750 DC VOLTS, 250 MA. CONTINUOUS. HAS A 6.3 VOLT 5 AMP. FILAMENT XFORMER. THESE POWER SUPPLYS HAVE A TWO SECTION CHOKE FILTER, RACK MOUNT, IN ORIGINAL WOODEN CRATE. GRAB THIS FOR ONLY \$15.00. FOR INFO CONTACT JULIE WIDL AT 872-5084.....

FOR SALE - A "HEWLETT-PACKARD MODEL 400D A/C VTVM WITH MANUAL. FULL SCALE .001 TO 300 VOLTS A/C IN TEN RANGES, HAS A DB SCALE. FOR INFO CONTACT JULIE WIDL AT 872-5084.....

FOR SALE - A 1KW "JOHNSON" MATCHBOX, MUST BE SEEN TO BE APPRECIATED, IN EXTRA CLEAN CONDITION. ASKING PRICE IS ONLY \$140.00 FOR INFO CONTACT JULIE AT 872-5084.....

FOR SALE - A "COLLINS" 75A3A AMATEUR BAND RECIEVER IN PERFECT CONDITION, A REALLY GREAT RECIEVER FOR ONLY \$200.00 FOR INFO CONTACT HOWARD WA1VFJ AT 655-4720.....

FOR SALE - A "POLYCOM" 6 METER XCIEVER WITH BUILT IN POWER SUPPLY, MANUALS SCHEMATIC. THE RIG COMES WITH A 3 RING 6 METER HALO ANTENNA. PLUG IN THE RIG, PLUG IN A MIKE AND YOU ARE ON THE HOT 6 METER BAND. WHEN NEW THIS RIG COST \$350.00 PRICED NOW AT \$95.00, OR MAKE AN OFFER. FOR INFO CONTACT AL K1WVW AT 435-4656.....

AMATEUR RADIO INDOOR FLEA MARKET, WEEKLY STARTING DEC 9TH AND EVERY SUNDAY FROM 8AM TO 4 PM. LOCATED AT 1629 LAKEVIEW AVE. DRACUT, MA.FOR MORE INFO CONTACT BILL AT 957-4411.....

HOSS TRADERS WEEKLY SUNDAY ON 3940 KHZ...DERRY, N.H. 25/85 9PM TUESDAY...

FOR SALE - SQUIRREL CAGE BLOWERS IN SEVERAL SIZES 100 - 160 - 300 CFM CAPABILITY. FOR A REAL DEAL CALL JULIE WIDL AT 872-5084.....

DENTRON HAS MOVED TO A NEW AND LARGER PLANT IN STOW, OHIO. THEIR NEW ADDRESS IS 1605 COMMERCE DRIVE.,STOW, OHIO 44224. TELEPHONE 215-688-4873....

PHOTOCOPIES ARE NOW ADEQUATE SUBSTITUTES FOR AN AMATEUR'S ORIGINAL LICENSE. THE RULES CHANGE, WHICH WAS OKed BY THE FCC IN EARLY DECEMBER, BECAME EFFECTIVE DECEMBER 21.

AMATEUR USE OF ASCII, ALSO APPROVED BY THE COMMISSION LATE LAST YEAR, COULD BEGIN SOON. NEW RULES ARE PRESENTLY BEING WORKED OUT, AND IT IS POSSIBLE THAT THEY WILL BE APPROVED BY LATE THIS MONTH OR EARLY NEXT MONTH..HRR.

OPPOSITION TO A 900 MHZ CB BAND HAS BEEN RAISED BY THE NATIONL ASSOCIATION OF BROADCASTERS. THE NAB HAS TOLD THE FCC THAT A CB BAND IN THE 928-947 MHZ RANGE WOULD CREATE "INTOLERABLE INTERFERENCE" FOR SOME RADIO STATIONS AND WOULD PREVENT ASSIGNING ADJACENT FREQUENCIES FOR STUDIO TO TRANSMITTER USE. NAB DOES NOT OPPOSE ASSIGNING 894-902 MHZ FOR CB USE.....