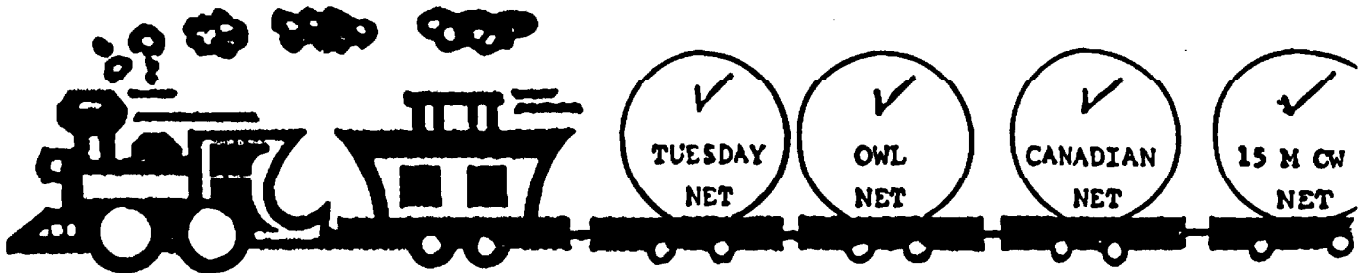


**"THE U.S.E.C.A. EXPRESS"
 UTICA-SHELBY EMERGENCY
 COMMUNICATIONS ASSN.
 MACOMB COUNTY
 147.18/78**



**PUBLISHED MONTHLY
 BY
 USECA INTERNATIONAL
 YOUR EDITOR: KBCFY**

**EXPRESS YOUR TRAIN OF THOUGHT,
 BY PARTICIPATING IN ONE OR ALL USECA NETS!**



U.S.E.C.A.

Utica-Shelby Emergency Communications Assn.

**P.O. Box 1222
 Sterling Hgts. MI
 48311-1222**

**BULK RATE
 U.S. Postage
 PAID
 Permit No. 41
 Sterling Hgts., MI 48077**

N8KND Exp. 12/31/89
 Douglas Martin
 1579 Welling Dr.
 Troy, MI 48098

U.S.E.C.A. FACTS

volume 4 no.4

APRIL 1989

BOARD OF DIRECTORS

President	Larry Wells N8GPJ
President-Elect	Walt Gracey WB8E
Secretary	GRACE E.FUNK N8BZL
Treasurer	John Wuestewald N8FNO
Activities Chairman	
Program Director	Walt Gracey WB8E
Repeater Trustee	Chuck Boyer WA8Z
Refreshment Chairman	Amy Wuestewald KA8ZAI
Membership Chairman	Shirley Harris WD8IWE
Technical Director	John Miller W18L

COMMITTEES

Editor	Jerry McGinn K8CFY
Asst. Editor	Don Beckmon WB8F
Swap & Shop	Sean McCarthy N8KCO Wesley Harrell WJ8Q
Field Day	Fred Doucette WB8ITB
Refreshments	Amy Wuestewald KA8ZAI JOHN WUESTEWALD N8FNO ????????????????
Garage Sale	Shirley Harris WD8IWE
Mailers/Sorters	John Miller W18L Don Beckmon WB8F Stag Stackpoole K8MKA Larry Boggs WB8SJD Bob Macauley WB8G
EMERGENCY Coordntr	Vance Dupuis WB8QNI
Hats	Joe Paulson WD8MFN
Badges	Bob Macauley WB8G
Health & Welfare	John Wuestewald N8FNO
Net Point Coordntr	Don Beckmon WB8F
A.R.R.L. Liaison	Joseph O'Connor WQ4I
OMBUDSMAN	Walt Gracey WB8E
Club Historians	John Pizzuti WB8NHT Joe Paulson WD8MFN
50/50 (Mtgs)	Amy Wuestewald KA8ZAI
50/50 (Monthly)	John Wuestewald N8FNO

f Founder c Charter h Hon. Charter

KA8KTV f c SK	N8HCT f c
N8FNO f c	KA8IZM f c SK
WD8MFN f c	WB8NHT f c
KRQLM f c	KA8BDG c
WB8QNI c	WA8VZZ c
KA8WOT c	N8FDN c
N8BK h	WA8OSF h
KA8VYV h	N8AWV h
J.Haubner c	G. Marquardt h

POINT NETS

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

OTHER NETS

MON. 2000 EST 1.903 SSB

CONTROL OPERATORS

N8FNO	John Wuestewald
WA8Z	Chuck Boyer
WD8EKY	Don Harris
WB8QNI	Vance Dupuis
WB8G	Bob MacAuley
WB8E	Walt Gracey
WB8ITJ	Jack Withenshaw
WD8IWE	Shirley Harris
KG8F	Doug Kaherl
N8CVC	Bill Chesney
WB8B	Bob Karpinski
N8HTV	John Skalski
N8GPJ	Larry Wells

U.S.E.C.A. TECHNICIANS

K8JP	Joe Pontek
KE8WQ	Sean McCarthy
WD8O	Steve Murphy

TECHNICAL PROGRAMMERS

N8HTV	John Skalski
WA8Z	Chuck Boyer
WB8B	Bob Karpinski

U.S.E.C.A. VE'S

WA8Z	Chuck Boyer
WB8F	Don Beckmon
WB8H	Gordie Tuzinski
KG8F	Doug Kaherl
NW8M	Al Harbour
WM8V	Jerry Paquette
WB8G	Bob MacAuley
WB8E	Walt Gracey
WF8I	Scott Larkins
W18L	John Miller
W18K	Diane Scalzi
WJ8Q	Wesley Harrell
WB8B	Bob Karpinski

MINUTES OF U.S.E.C.A. MEETING 3-14-89

N8GPJ

Called to order at 7:31 p.m. Called for visitors to identify themselves. Next Officers identified themselves. Called for all upgrades to be identified. Called for motion to accept minutes of February meeting as published in Express to be accepted.

WB8E

Motion to accept minutes as published. Seconded motion to accept minutes as published.

WB8E

Requested Secretary's report. Reported nothing to report.

WB8E

Requested Treasurer's report. Presented report on Club's financial status. Requested report from Membership Chairman.

WB8E

Reported we now have 206 members - but there are still some members who have not re-newed their membership and will be dropped as of 3-31-89 if not paid then -thus losing their Autopatch privilege if they had it before.

N8GPJ

Requested Technical Report on Repeater's current condition and status.

WI8L

Requested KE8WQ give information requested.

KE8WQ

Reports the repeater has been recently worked on and is in as good a condition as possible at this time. Also, advised us N8HTV has worked on satellite machine. cleaned it up to where it looks almost new. However, it cannot go back up until we get new controller for new repeater, which will then enable the Control Operators to control the satellite (which is not possible at present) in accordance with FCC regulations. Sean also advises he has had difficulty trying to get in touch with party about new Voter.

N8GPJ

Requested Field Day report.

WB8E

Advised the best price he can get for roasted pig will necessitate having a 50/50 ticket sale at \$5.00 each ticket at Field Day to assist in overall cost of 200# pig stuffed with sausages, etc. (all being catered and brought to Field Day site.) Club will have all leftovers if there are any. Also advised membership of new co-chairman being WB8B for Field Day '89.

N8GPJ

Requested Swap 'n Shop report.

WJ8Q

Reported reason for delay in determining date for club Swap as trying to keep our date from being too close to other club swaps, etc. Will have more next month.

N8GPJ

Announces the 50/50 drawing to be held before break. N8KKG was the lucky winner. Called for coffee break at 8:03p.m. Called meeting back to order at 8:24p.m.

N8GPJ

Introduced W8NSF as presenting our program this evening on 'Antennas and SWR'. Tom gave a very interesting presentation that held the interest of the membership for an hour. Many questions, all of which Tom answered. S-o-o interesting it could have gone on much longer!

WB8E

Made motion to adjourn meeting at 9:30p.m.

KB8ABG

Seconded motion to adjourn meeting.

Respectfully submitted:

Grace E. Funk
Grace E. Funk N8PZL

US AMATEUR BANDS

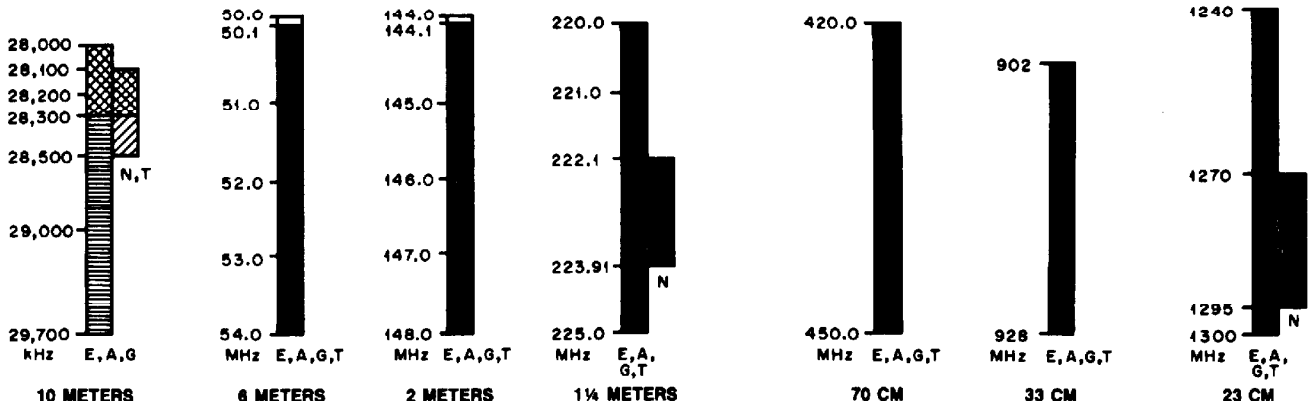
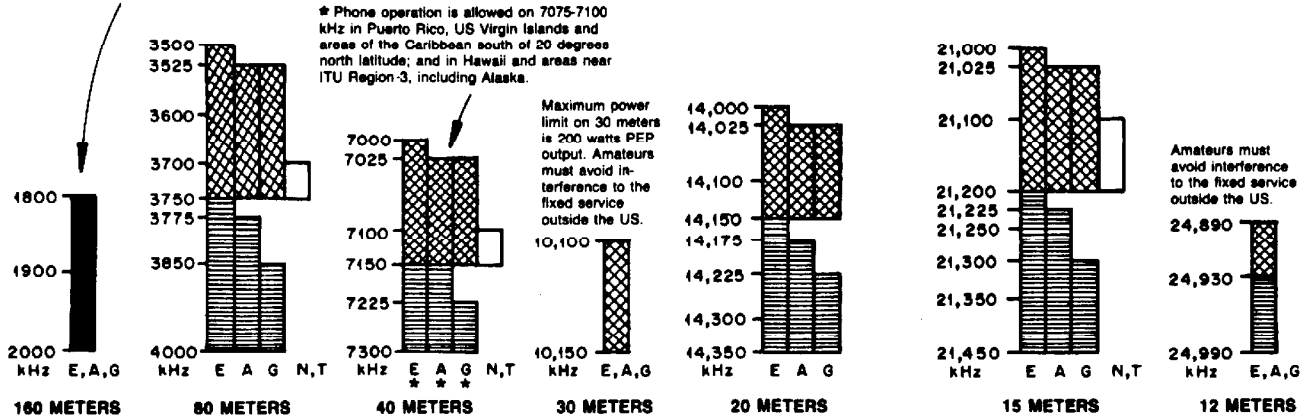
(Effective 0001Z, March 21, 1987)

Amateur stations operating at 1900-2000 kHz must not cause harmful interference to the radiolocation service and are afforded no protection from radiolocation operations; see January 1986 Happenings for details.

* Phone operation is allowed on 7075-7100 kHz in Puerto Rico, US Virgin Islands and areas of the Caribbean south of 20 degrees north latitude; and in Hawaii and areas near ITU Region-3, including Alaska.

Maximum power limit on 30 meters is 200 watts PEP output. Amateurs must avoid interference to the fixed service outside the US.

Amateurs must avoid interference to the fixed service outside the US.



Operators with Technician class licenses and above may operate on all amateur bands above 50 MHz. For more detailed information see *The FCC Rule Book*.

5167.5 kHz Alaska emergency use only (SSB only) E, A, G, T, N

KEY

- = CW ONLY
- ▨ = CW AND RTTY
- ▤ = CW, VOICE, SSTV AND FAX
- = CW, VOICE, SSTV, FAX AND RTTY
- ▧ = CW AND SSB
- E = EXTRA
- A = ADVANCED
- G = GENERAL
- T = TECHNICIAN
- N = NOVICE

US AMATEUR POWER LIMITS

At all times, transmitter power should be kept down to that necessary to carry out the desired communications. Power is rated in watts PEP output. Unless otherwise stated, the maximum power output is 1500 W. Power for all license classes is limited to 200 W in the 10,100-10,150 kHz band and in all Novice subbands below 28,100 kHz. Novices and Technicians are restricted to 200 W in the 28,100-28,500 kHz subband. In addition, Novices are restricted to 25 W in the 222.1-223.91 MHz subband and 5 W in the 1270-1295 MHz subband.



USECA EXPRESS

volume 4 no.4

DAYTON EDITION

APRIL 1989

The OFFICIAL NEWSLETTER of the UTICA-SHELBY EMERGENCY COMMUNICATIONS ASSN. of MACOMB COUNTY, MI. WABZ RPTR-147.18/.78 located near Cass & Mound Rd, UTICA, MI. with satellite rcvr at Selfridge ANG Base. Club meetings held on 2nd Teusday of month, 7:30 PM at CHURCH OF GOD corner of CANAL & ROMEO PLANK RD, CLINTON TWP. Items for publication must reach the editor no later than 3rd Thursday of month, which is one day following the night of the BOARD MEETING.
EDITOR: JERRY MCGINN, K8CFY, 20216 MCKISHNIE, MT CLEMENS, MI. 48043 701-4484

EDITORIAL

**THINK SPRING!
THINK DAYTON!
THINK FIELD DAY!**

*'nuff said?
Make it happen!*



If you were too 'chicken' to do it when the weather was just right (read snow, winds, ice and rain)- then get out and do it now. I'm talking ANTENNAE.

But remember, -wire, coax, and hardware do not an antenna make. It takes planning, patience, and the judicious use of the right tools such as an Antenna Bridge; an Antenna Noise Bridge and a SWR/Wattmeter; plus some diligent work. But most of all it takes patience and persistence.

**THAT'S MY OPINION.
WHAT'S YOURS?**

K8CFY

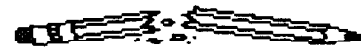
4



NEW MEMBERS:

To no one's surprise I'm sure, we again have an impressive and long list of new USECAN'S. Please welcome:

WJ8Q	Joe Van Alstine
N8IEY	Deb Van Alstine
KB8GEY	Steve Plummer
KB8FOE	Gregory Davis
N8KKG	Jim Marck
KB8GCY	Mark Kurzava
K8WGA	Ardis Session
KB8EPH	Bill Beels
N8KND	Douglas Martin



OOOPS!

Last month's 'Express' exhibited a proofreading error. On page five, the LOCAL NETS listing, shows the wrong frequency for the TRADERS NET and the HELPERS NET, which are both on the BALD MTN. REPEATER. The correct frequency for these should read:

145.410 (-)

Thank you for accepting my apology.
(editor)

B * A * S * H

The 20th Annual B * A * S * H, sponsored by the Miami Valley FM Assoc., will be held at 7p.m. Friday night during the Ham-vention, April 29 at the Conference Center (Madison Room) of the Hara Arena & Conference center. There is no admission charge, & free continuous entertainment. Hot dinner, sandwiches, snacks & beverages are available.

THE AMERICAN RADIO RELAY LEAGUE, INC

225 MAIN STREET

NEWINGTON, CONNECTICUT 06111 USA



A bona fide interest in Amateur Radio is the only essential requirement, but full voting membership is granted only to licensed radio amateurs of the US. Therefore if you have a license, please be sure to indicate it below. Please print.

() New Member () Previous Member () Renewal

Class of License Call Sign Date of Application

Name

Address

City, State, ZIP

Membership Class	<input type="checkbox"/> Regular	<input type="checkbox"/> Family Blind	<input type="checkbox"/> 65 or older		
	US	ELSEWHERE*		US	ELSEWHERE*
<input type="checkbox"/> 1 year	\$25	\$36	\$2	\$20	\$31
<input type="checkbox"/> 2 years	47	69	4	37	59
<input type="checkbox"/> 3 years	65	98	8	50	83

IMPORTANT: Please attach your Expiration Notice to this form if you are renewing your current membership. Payment in US Funds only.

*These rates include the postage surcharge which partially offsets the additional cost to mail QST outside the US.

A member of the immediate family of a League member, living at the same address, may become a League member without QST at the special rate of \$2 per year. Family membership must run concurrently with that of the member receiving QST. Blind amateurs may join without QST for \$2 per year.

Persons who are age 65 or older may upon request apply for League membership at the reduced rates shown. A one-time proof of age, in the form of a driver's license or birth certificate is required. If you are 17 or younger, a special rate may apply. Please see reverse side.

Your membership certificate will be mailed to you in about 2 weeks from the date we receive your application. Delivery of QST may take slightly longer, but future issues should reach you on a regular basis. Membership is available only to individuals. Fifty percent of dues is allocated to QST, and the balance for membership.

DUES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

If you do not wish your name and address made available for non-ARRL related mailings please check this box.

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 below.

Enter 4-digit code for sponsoring club, if any:

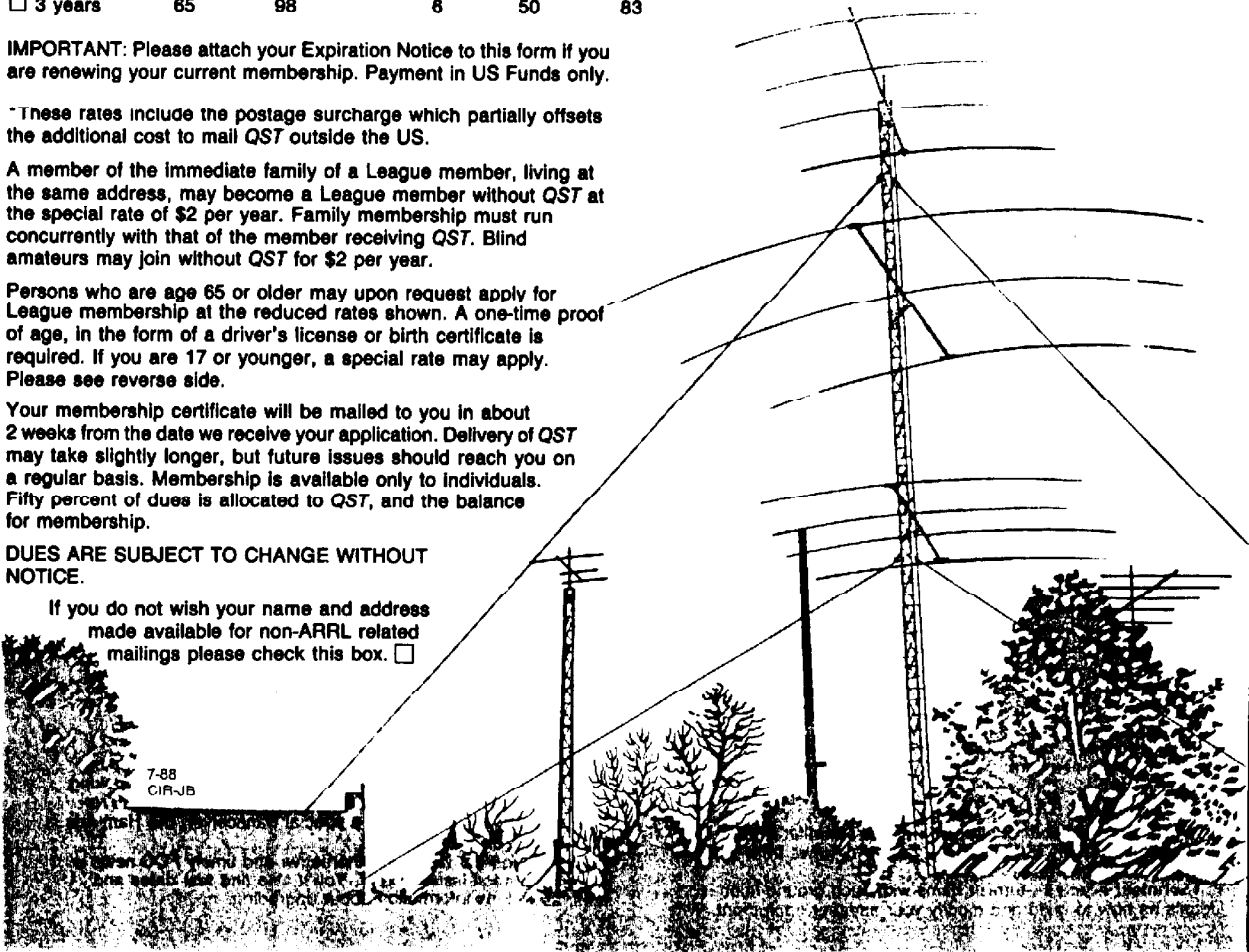
I am donating \$_____ (\$1.00 minimum) to the Legal Research & Resource Fund.

JOIN ARRL

THE LARGEST ORGANIZATION OF RADIO AMATEURS IN THE US

- Receive Monthly QST Journal
- Use QSL Bureau—Clearing House for Overseas QSL Cards
- Low-Cost Equipment Replacement Insurance Available for Home and Car
- Representation in Washington for All Matters Concerning Amateur Radio
- League-Member-Only Awards

(More information on the back side)



7-88
CIR-JB

Received of _____

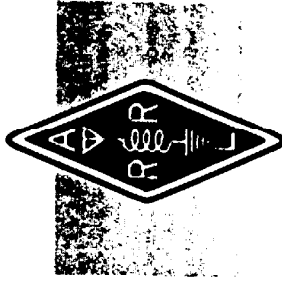
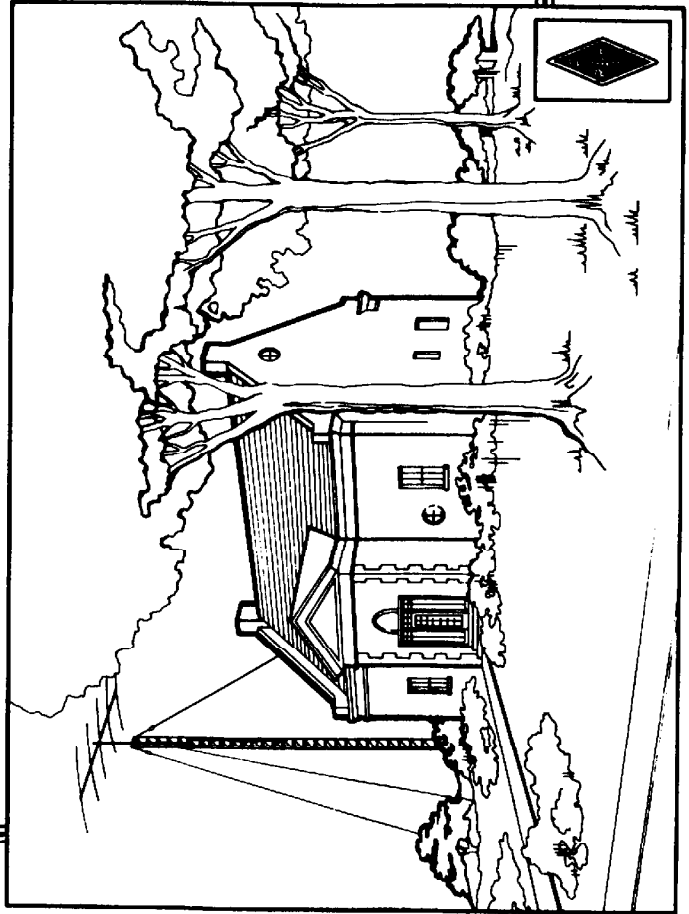
The American Radio Relay League, Inc., gratefully acknowledges
the generous contribution of

L. Czapiewski, K8DHH

to the **Hiram Percy Maxim Memorial Station, W1AW, Renovation Fund.**

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and honor of membership in the

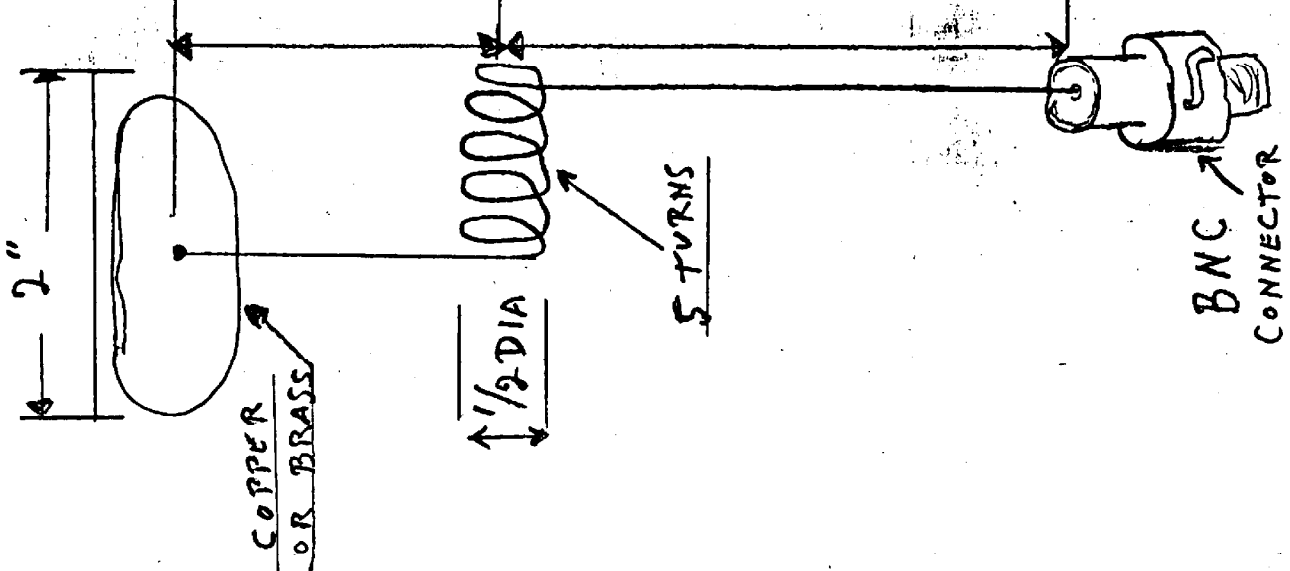
W1AW BOOSTER CLUB



Larry E. Peine W4RA
President, ARRL

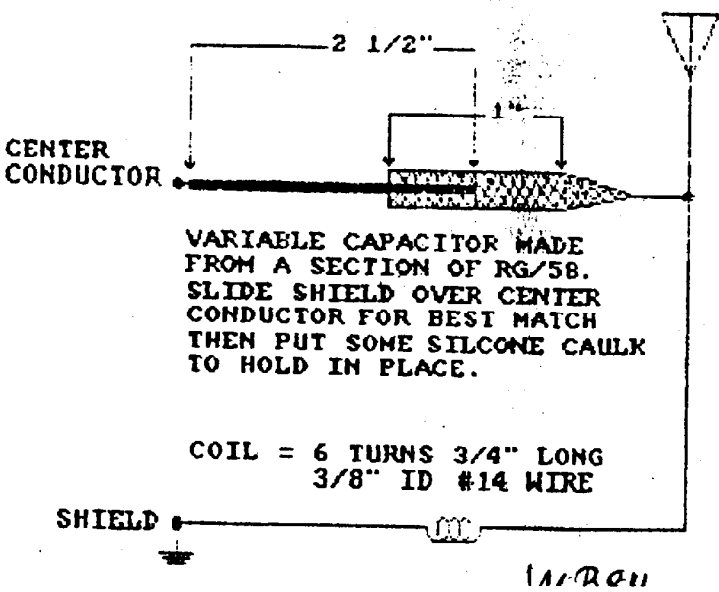
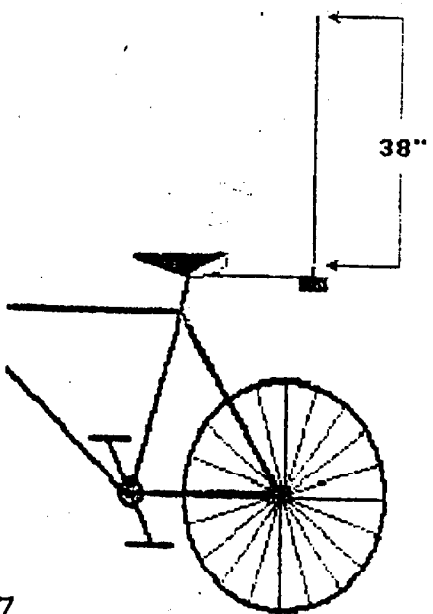
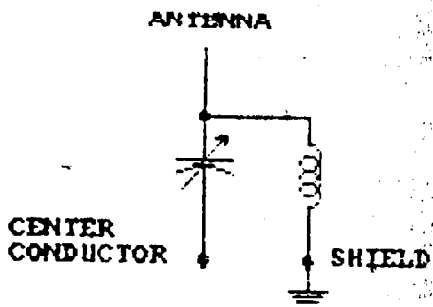
ARRL Diamond Jubilee 1989

TRY THIS ON YOUR H.T. IT SHOULD OUTPERFORM A 'HOT-ROD' ANTENNA PLUS THE ADVANTAGE OF MUCH LESS PHYSICAL DIMENSION. I WOULD SUGGEST EPOXYING THE COIL, OR SOME SUITABLE MEANS OF RIGIDITY- LEST SOME PERSON 'SQUEEZES' IT OUT OF TUNE AT DAYTON OR A SWAP MEET. IF YOUR LOOKING FOR MORE ATTENTION- TRY A PHASED ARRAY ; OR A STACKED PAIR !



1/2 WAVE ANTENNA FOR BICYCLE

WHIP MADE FROM A RADIO SHACK REPLACEMENT C.B. WHIP. PART # 21-952A. WHIP IS SILVER SOLDERED TO A PL-259 AND A SO-239 IS MOUNTED TO A BRACKET ON THE BACK OF THE BIKE.



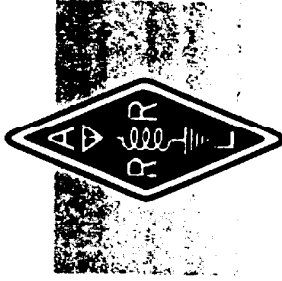
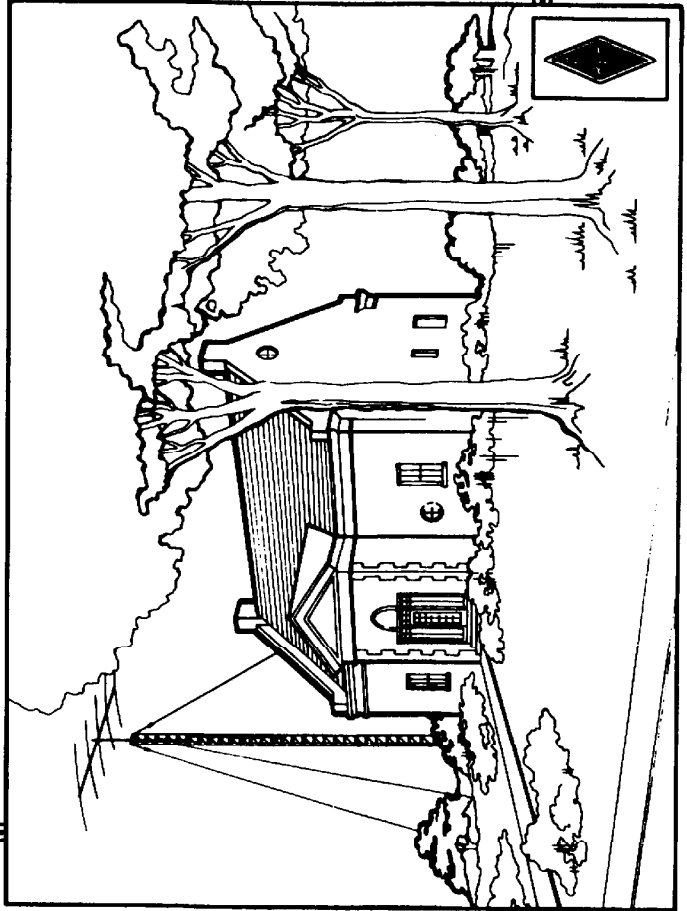
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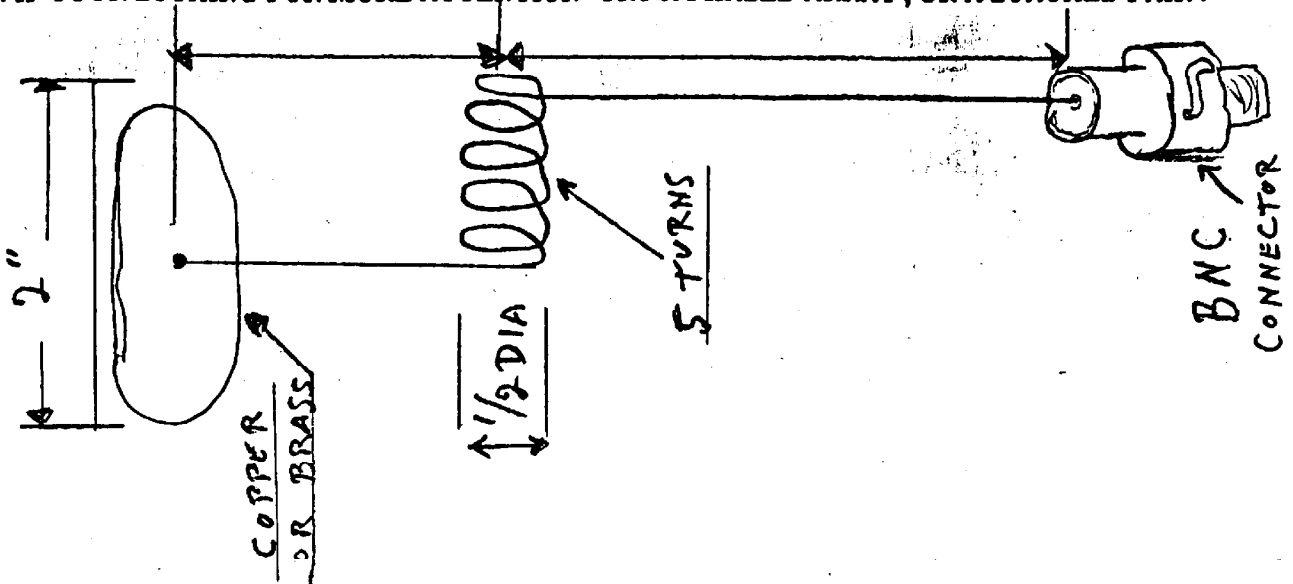


Larry E. Paie W4RA

President, ARRL

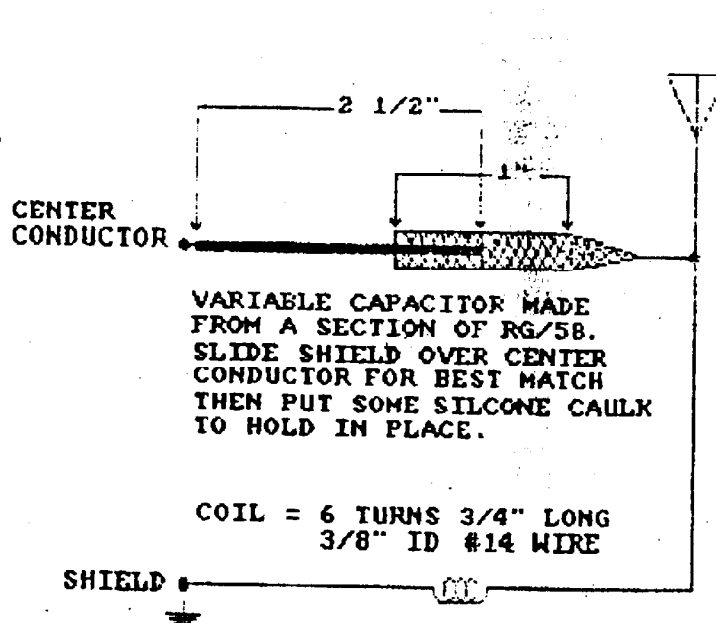
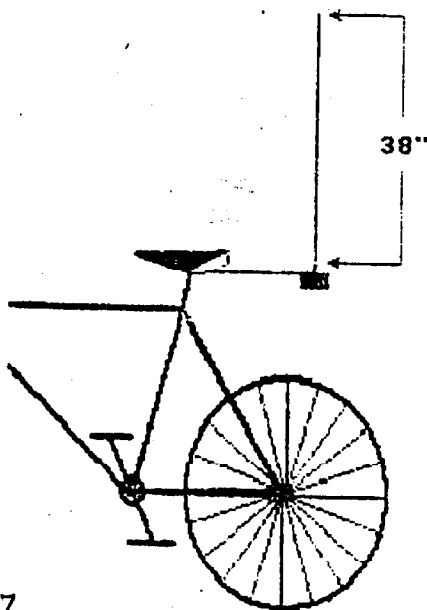
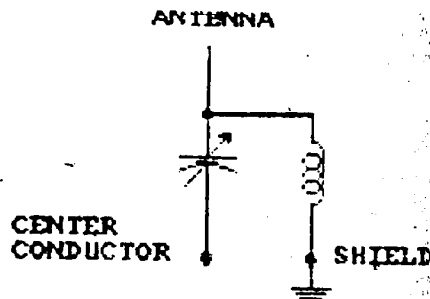
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MARCH
 S M T W T F S
 1 2 3 4
 5 6 7 8 9 10 11
 12 13 14 15 16 17 18
 19 20 21 22 23 24 25
 26 27 28 29 30 31

APRIL
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MONTHLY SCHEDULE APRIL 1989

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAURDAY
2 NET Daylight Savings Time Begins	3 H.B. N8JEX	4 NET	5 New Moon	6 NET	7 NET	8 PS Dayite Saving Time 0200a.m. April Fools' Day
9 NET H.B. N8KDL	10 H.B. KB8GDL	11 Club Meeting 7:30p.m.	12 First Quarter	13 NET H.B. KB8GDS Thomas Jefferson's Birthday	14 NET H.B. KB8FZA	15
16 NET	17 H.B. N8AWV H.B. N8BY	18 NET H.B. KB8FIT	19 Board Meeting 7:00p.m.	20 NET Full Moon H.B. N8HSC H.B. N8HZE Eclipse	21 NET	22 H.B. N8HZM
23/30 NET	24 H.B. KB8GDT	25 NET H.B. W8JEK H.B. WA8VIJ	26 Secretaries Day	27 NET	28 NET Last Quarter	29

COMING CLUB EVENTS:

April 11 - Club Meeting 7:30p.m.-Church of God-Romeo Plank & Canal
 April 19 - Board of Directors Meeting - 7:00p.m.

** H.B. - Happy Birthday

NET INFORMATION:

Sunday - International Net - 1:00p.m. - 147.180 +.600
 Tuesday - U.S.E.C.A. Net 8:00 p.m. - 147.180 +.600
 MONDAY - 160 Meter Net - 8:00 p.m. - 1.903 (+) (-) few hertz
 Friday - HootOwl Net - Midnite - 147.180 +.600

OTHER SPECIAL EVENTS:

April 8 - NA QSO - CW - 1800Z (12)
 QRP Spring CW - 1200Z (36)
 10 - ARRL 144 Mhz - 1900 loc (4)
 15 - NA QSO PH - 1800Z (12)
 18 - ARRL 220 Mhz - 1900 loc (4)
 26 - ARRL - 432 Mhz - 1900 loc (4)

28-30 - HAMVENTION - Dayton

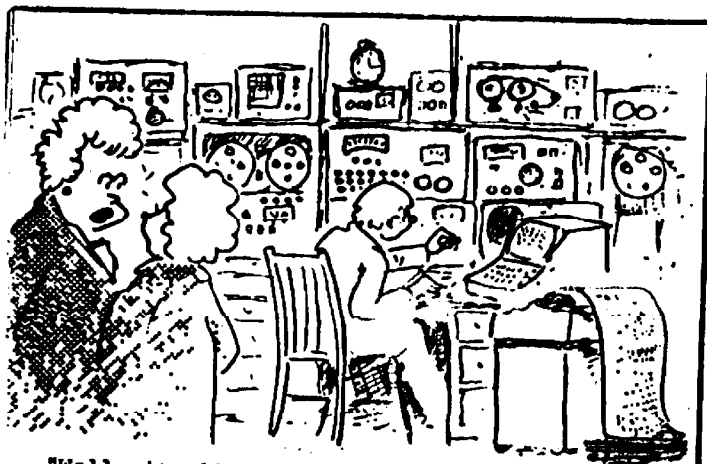
REMINDER

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 U.S.E.C.A. 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 W8BIWE
 Membership



OH HARRY -- THE GENTLEMEN FROM THE ANTENNA ORDINANCE ENFORCEMENT COMMITTEE ARE HERE TO NEGOTIATE!



"Well, it all started when he announced one night that he thought he would add a simple little memory to his electronic keyer!"
-WB6OEZ IN "THE CALL LETTER"

REPEATERS

<u>NAME</u>	<u>OUTPUT</u>
MECA	147.20 +
ECHO	147.08 +
USECA	147.18 + PL
EDISON	145.33 -
SEMARA	146.74 - PL
CLARKSTON	146.84 -
BALD MT.	145.41 -
RILEY CENTER	147.30 +
SMART	147.16 + PL
DART	146.64 -
WYANDOTTE	147.24 +
ARROW	146.96 -
WINDSOR	147.00 +
WINDSOR	147.06 +
CHATHAM	147.12 +
SARNIA	146.94 -
PORT HURON	146.72 -
PORT HURON	146.80 - PL
PORT HURON	147.32 +
LONDON	147.06 +
LONDON	147.18 +

SIMPLEX

<u>146</u>	<u>147</u>
	42
52	45
55	48
58	51
	54
	57

SKYWARN

MACOMB MECCA	147.20 +
WAYNE Edison	145.33 -
OAKLAND SMART	147.16 +
OAKLAND Bald Mt.	145.41 -
OAKLAND Clarkston	146.84 -

Canadian Regulations

Memoranda D 2-1-1
Memoranda D19-4-2



The Caboose

VOLUME 4, NUMBER 4 BY K8CFY

I had the pleasure of discovering the IARN in January, during the great EUROPEAN DISASTER. I talked to WES, W200Q (Net Control)-LINDA-KA0FSM, CHUCK-KJ4TY and some other dedicated people in the program, on 20 Meters. Subsequently I have listened to some of their broadcasts. I also talked with KJ4TY just prior to his flight to RUSSIA and the AIR-LIFT of tons of radio equipment and a computer for the DISASTER RELIEF OPERATIONS. I had promised him I would write an article on the I.A.R.N., but the death of my mother prevented my doing the necessary research. Therefore, I am letting this reprinted article speak for me. All I can add is that if you want to be an International Ambassador of GOODWILL, through the resources of AMATEUR RADIO- here is your opportunity! Already, via the IARN, GLASNOST is working; and an exchange of taped information (from the U.S.) is broadcast on RADIO MOSCOW. k8cfy



and Rescue and other agencies to help supply needed radio communications. Your official charters and recognition by IARN entitles you to free programming and educational materials from the RAIN Foundation (Radio Amateur Information Network) of which IARN is a full member. IARN membership greatly expands your horizons and opens up all kinds of doors for members nationally and internationally. Our radio, computer and personal networks span the globe and you are welcome (and needed) whether or not you currently hold an Amateur license. See the information below and start your own local IARC by writing IARN today!

IARC STANDARD INTERNATIONAL BYLAWS
ARTICLE 1: The International Amateur Radio Club is the collection of individual clubs chartered by the International Amateur Radio Network.
ARTICLE 2: The purpose of the club shall be to encourage interest in the Amateur radio service especially with respect to public service and emergency communications locally, nationally and internationally.
ARTICLE 3: Each IARC club is chartered by assignment of a club number to the club President by IARN.
ARTICLE 4: The founding President shall then call a meeting of club members who shall elect their officers as follows: President Vice President, Secretary and Treasurer.
ARTICLE 5: The term of each officer shall be two years and all officers shall be elected by a majority of members present at the special election meeting held every two years.
ARTICLE 6: There shall be no fee for club membership and the term of membership shall be for life.
ARTICLE 7: Funds for club operation shall be derived from various kinds of fund raisers, donations to the club of money or equipment for resale, etc.
ARTICLE 8: Equipment and other assets for the club shall be donated, loaned or purchased with club funds.
ARTICLE 9: Upon dissolution of the club, should that ever occur, all assets of the club shall be sold by the officers and proceeds donated to the International Red Cross.
ARTICLE 10: A local club newsletter will be published and/or radio bulletins aired to keep members informed. Relevant information submitted to IARN will be aired over the worldwide radio network.

Continued on next page

good booster even a motorcycle. The fact is that helping people around the world with our hobby of radio communications is a great thrill. Spreading that thrill around is also very satisfying. It costs us very little since we have the built-in advantage of free radio time with worldwide coverage. That is also why we charge nothing for membership. Keeping track of who has paid and who hasn't costs more in time and money than the fee is worth. Membership cards are for life... one single cost of printing a thousand cards is not a big expense. IARN and the International Amateur Radio Club are important because of what we can do and what we have done.

John Veale G4SCA, President of the Plymouth, England IARC Charter, said: "The best is yet to come..." Recently I did an on-the-air interview with a person from the BBC who had dropped by to see one of our English members. Such publicity in IARN is almost routine now, but it is still exciting. You will be reading about our activities and ideas each month in this magazine from now on. In the meantime, join IARN and the International Amateur Radio Club, or start your own local Charter. Write us at IARN or care of the Editor of *The Canadian Amateur* and we will get you started. Listen to our broadcast every day on 3975, 14-275, or 28-475 MHz at 1200Z, 1400Z, 1800Z, 2200Z or 0100Z. Catch the IARN fever and join the fun. SWLs are welcome and are a very important part of our organization. See you next month right here via these pages: 73 and 88 to the Ladies.

Write to:
 International Amateur Radio Network,
 Begrade Lakes,
 Maine, 04918, U.S.A.
 Tel: 207-495-2215,
 FAX: 207-495-2069.

HOW ABOUT STARTING YOUR OWN RADIO CLUB?
 It's easy to start your own radio club from scratch or officially charter an existing club as an International Amateur Radio Club in your area. IARC clubs are springing up all around the world. Just write to IARN and request a charter. The charter includes a hand-some charter, certificate and initial supply of IARC membership cards. School Clubs are Welcome! Your charter and affiliation with IARN makes you a part of something big:
 - We deploy radio jump teams worldwide to help out in times of national and international disaster.
 - We attach to Red Cross and Search

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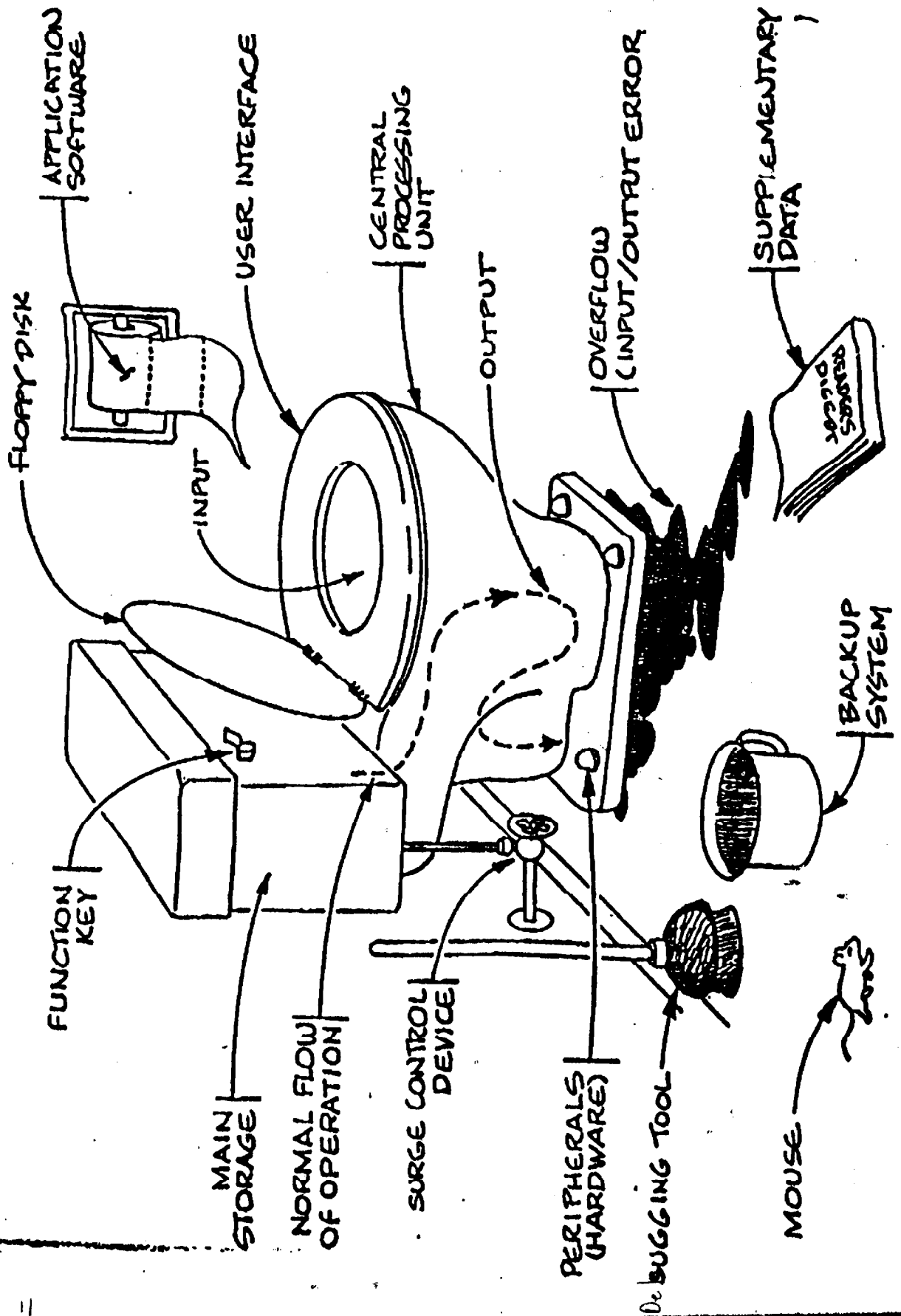
Glenn Barker K1MAN
 Long Point Lodge
 Begrade Lakes, Maine
 U.S.A. 04918
 207-495-2215 TEL
 207-495-2069 FAX

It sure is nice to be talking to you through this magazine, *The Canadian Amateur*, which is the official journal of the International Amateur Radio Network for North America.

PURPOSE OF IARN
 Did you know that the whole world is collapsing into a single world economy and culture? Why? Communications between every person and business on the globe. We, as radio Amateurs and SWLs, are just catching up to this reality... mostly via disasters and the response of the Amateur radio community. We Amateurs have been talking with each other for years and SWL enthusiasts have been tuning in also, but the true potential was never fully realized until the 1985 Mexico City earthquake. People in almost every city on earth had at least one relative there. This was the birthplace of IARN. Radio Amateurs have a lot of talent, but lack of the most fundamental organization internationally hid the true value of our group. The more advanced Communications become, with satellite television and low-cost long distance calls, the more helpless the world when that form of communication breaks down. This did happen on a grand scale for the first time in Mexico City, and the result was IARN. We took the group from the Mexico City traffic operation and formed an International Club, so to speak. We were called back into action less than six weeks later when a volcano erupted in Armero, Columbia killed over 23,000 people. We handled traffic for government officials and got involved with the rescue operation. We passed traffic worldwide and proved that Mexico City's emergency radio set up and operations were no flukes... ham radio does make a difference with a little bit of international organization. We, in the network, discovered how exciting and satisfying ham radio really could be. When the 1986 earthquake hit El Salvador, CBS News in New York knew where to call first... IARN. Of course. Again, we delivered within minutes. That really put us on the map! The same thing occurred with the earthquake in Los Angeles and also when Hurricane Gilbert slammed into Jamaica... we were finely tuned.

WHY DO WE DO IT?
 Chris Edmondson VK3YD asked me why we spend so much time and money on IARN activities. Why? Quite simply, it makes us feel good!
 First, everyone has a hobby. I have no more invested in IARN than the cost of a

Understanding the Technology



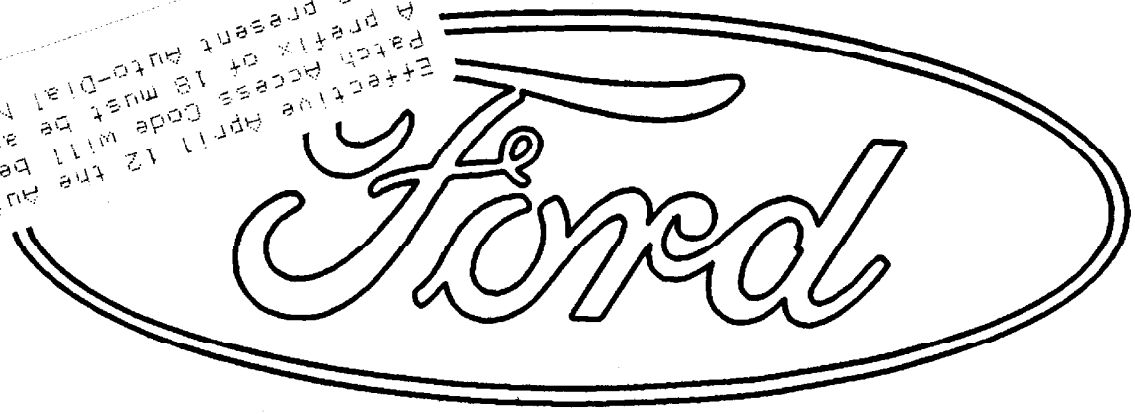


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Patch Access Code will be 79
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