

RIVER CITY



RADIO RAG

PUBLISHED BY **THE IOWA CITY AMATEUR RADIO CLUB**
AND **THE UNIVERSITY OF IOWA A.R.C.**

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VICE PRESIDENT: Glen Wilson, KBØJM

SECRETARY TREASURER: Craig Fastenow, KØCF
ACTIVITIES CHAIRMAN: Dave Holcomb, NØAFL

VOL. VII, No. 4 April, 1980

A LETTER FROM OUR PRESIDENT.....

Spring is just about here - a time when all young hams' (and old too) thoughts turn to antennas and such. This is a good time to look over some of the safety hints given in the Antenna Book, etc. - and to heed the advice given therein before ascending your tower. Be sure also to check your guy wires. The ground gets pretty soft this time of year and they might have loosened up a bit. Paul, KØRLT, gave us a very interesting session on antennas at the last club meeting, as well as a few "ground rules" to follow with regards to lightning protection. We should all currently be paying attention to some of these things, because in springtime the consequences of not doing so can be pretty revolting!

On a related note there are other hazards in spring thunderstorms, and this is the time of year that an emergency situation is most likely, I would suppose. There are a number of things to think about, such as the ability to go on the air on battery power, whether a makeshift antenna could be put up quickly in case the other one blows down, etc. There is also the matter of personal training: knowledge of proper procedures for traffic handling, knowing when to listen and when to transmit, and so forth. Don't forget the emergency drill coming up around April 11 - your help is needed, and we all need the practice.

See you at the next meeting, the drill, and the upcoming fox hunt.
73 DE AEØR SK

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THE NEXT MEETING OF THE IOWA CITY AMATEUR RADIO CLUB will be held on Wednesday April 9, 7:30 pm at the First National Bank, Towncrest. This month's program will be on direction finding. Russ, AEØR will talk about how Amateurs are involved with searching for downed aircraft and how dfing is becoming a science. Fox hunting will also be covered and Craig, KØCF will give us a few hints about directional antennas and attenuators.

WØIO will have its next meeting on April 29, 7 pm, rm 4900, EB. By the time you read this, the lock on the shack will have been changed, and the IC 211 will have been installed!! Thanks to Dave, WAIMKE, Ray, AJØV, Rick, WRØUZI and all others for their help in installing the new equipment.

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HAVE YOU GIVEN THE RAG EDITOR your license expiration date yet? If not, please do so. If you have any questions, please call me. The ICARC, as a service to its members, will remind you when your license is up for renewal. See you at the meeting.
DE Mary Ann KAØX, 337-7678

CONGRATULATIONS TO BETTY SCHIEL, KAØHAN on the arrival of her Novice ticket! Betty is hoping to go for her Tech soon. So with a bit of luck, we'll soon be hearing her on two meters! Happy operating, Betty!

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FOR SALE: Collins KWM 2 with AC and DC power supplies; Hewlitt Packard 250 hand held programmable calculator; Icom IC 280; Hy-Gain five element 10 meter beam; Hy-Gain four element 20 meter beam. All very reasonable. Call Gene, KØCKX 354-4478.

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THE FOLLOWING HAMS HAVE signed up for the Elmer program: Mark Yearian WDØAWM (668-2015), Gene Weiner KØCKX (354-4478), Bob Lehman KAØEWW (351-1781), Glen Wilson KBØJM (351-6365), Dick Lamb KØKK (338-2721), Dennis Kahler WBØMCX (337-4777), Russ and Mary Ann Lenth AEØR and KAØX (337-7678), and Ken Kucera KAØY (648-5037).

The Elmer program is designed to help out new hams and new club members. If you know someone who needs some advice, assistance, moral support, or encouragement, please pass this list along.

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NOVICES AND TECHS: PLEASE NOTE - Tom Irwin, WDØBND will be organizing the Novice station for Field Day. He will be getting in touch with you shortly. So start thinking about the sort of station you want to put on the air (i.e. How many transmitters? What antennas? Do you want to participate as an operator, logger, passive observer, or not at all?) It's your station, so make it a good one!

Also, are you interested in a column in this Rag of, by, and for the Novice operator? It could be about the problems facing the Novice as well as the advantages of being a Novice. This is your Rag, so how about it??
DE KAØX

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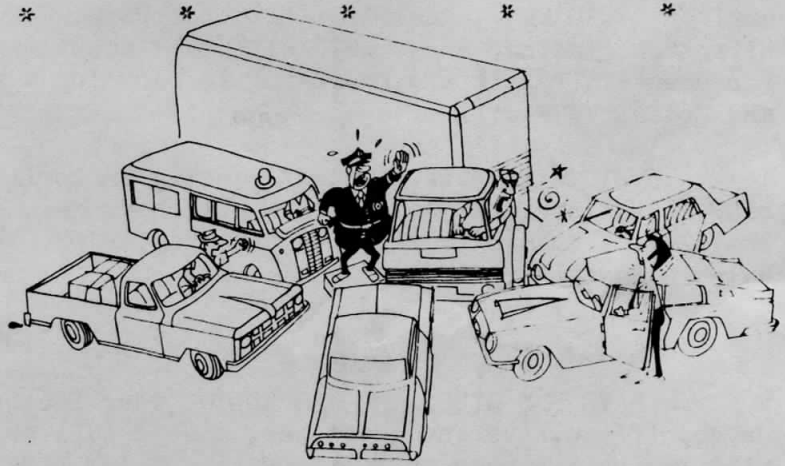
DID YOU KNOW THAT AMATEURS HAVE made significant contributions to electronic-communicative technology in the last 15 years? ARRL HQ has sent the club an article which lists some of the achievements Amateurs have made. (If you would like to see the complete article, then give me a call - KAØX) Portions of the "Amateur Radio Achievements Since 1965" article follows: EME (Moonbounce), Narrow-band FM repeaters (including autopatching), Microwave Techniques, Equipment performance improvements (including dynamic range, low noise, accessory features, spectral purity of transmitter emissions, and reduced interference potential), Narrow-band voice modulation, Slow-scan television, Class-E solid state power amplifiers, Satellite communications, and Low-power miniature equipment.

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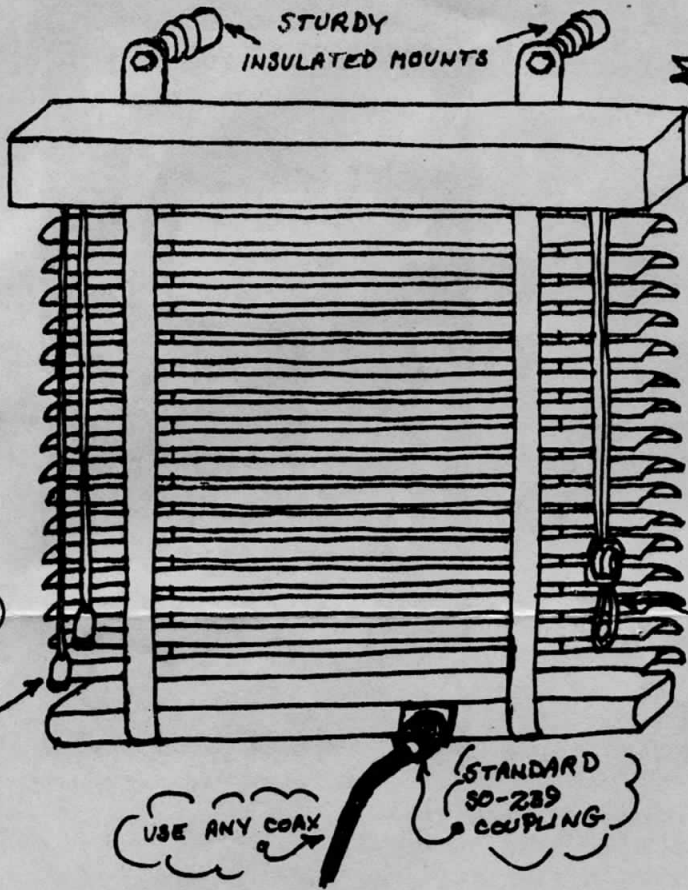


"You need more audio, old man."

AR 3ØJLE



YOU CAN'T ALL CHECK IN AT ONCE!



MULTI-ELEMENT INDOOR ANTENNA!

SAP MODEL QSB

- PERFECT DISGUISE
BLENDS INTO ROOM LIKE A
PIECE OF FURNITURE

(SIMPLE ADJUSTMENT
FOR OPTIMUM SWR)

- WORKS EQUALLY WELL
ON ALL FREQUENCIES!

TESTS SHOWED NO DIFFERENCE IN
WHAT HAPPENED ON ANY BAND 160
THROUGH 2 (IT JUST HAPPENED A
LITTLE PASTER ON SOME BANDS).

- GLARE-FREE OPERATION!

HAVE A STATION WITH A VIEW?
ENJOY IT EVEN IN BRIGHTEST SUNLIGHT!

129⁵⁰

STANDARD WHITE

145⁹⁵

IN YOUR CHOICE OF
AVOCADO, BURNT ORANGE,
LEMON OR ROSE

LOVE-LETTERS TO SAP

EXCERPTS
FROM PRODUCT-USER
LETTERS

"USED YOUR NEW QSB IN FRONT OF
AN OPEN WINDOW. MADE THE DANGDEST
BUG KILLER YOU EVER SAW. FUNNY THING
ABOUT MY TRANSCENER, THOUGH...."

"HOOKED UP A QSB TO MY BRAND NEW
SIGNAL ONE CX-11A ... STARTLING...
MOST UNBELIEVABLE THING I EVER SAW...
INCREDIBLE ... SMOKED... MELTED...
SECOND AND THIRD DEGREE... MY LAWYER..."

OLD MAN

SAP'S PATENTED
UNIVERSAL RUBBER
MOUNT

REPLACEABLE
HEATING ELEMENT

39⁹⁵

MODEL
XTL
CRYSTAL
OVEN

GOT YOUR
MOBILE RIG
OFF
FREQUENCY?

TAKE YOUR CAR
HEATER 20 MINUTES
TO PUT YOU ZERO
BEAT WITH YOUR
FAVORITE MORNING
NET?

SAP ELECTRONICS

STRUBLE AMATEUR PRODUCTS
STRUBLE, IA.
51057

"YOU EXPECT MORE FROM SAP AND YOU GET IT"
(BOY, DO YOU GET IT!)

DITS-N-DARS
(WQLEFF)

ACROSS

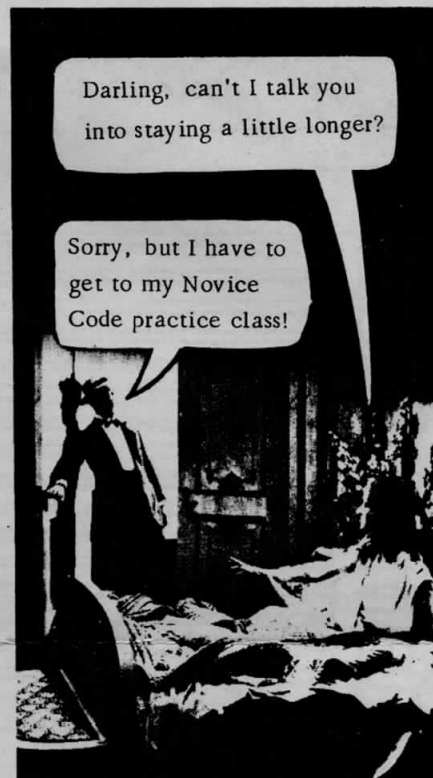
1. To vary the amplitude, frequency, or phase of an oscillation, usually at a signal frequency rate.
6. The fixed voltage applied between grid and cathode elements of an electron tube.
10. Aerial.
12. A buried object that serves as an anchor for a guy wire or rope.
14. Rodent.
15. Here (Fr.).
16. Hackneyed by constant repetition.
17. Switch position.
18. Dry seed fruit.
20. Type of communications system (abbr.).
21. Didn't work.
23. Timid.
24. An inert gas often used in discharge tubes and as a lamp filling.
26. American Indian.
27. A system of challenge and response developed for use with radar equipment (abbr.).
28. A bow of flame formed between two electrodes.
29. Unit of current (abbr.).
30. The thing mentioned.
31. Electrical current such as usually supplied by power lines (abbr.).
33. Confronted.
35. Some.
36. Crystal cut. Used extensively in r.f. transmitters from 4500 to 10,000 kc.
37. Linear measure (abbr.).
38. Widening of the volume range of an a.f. signal so that weak passages become weaker and loud passages become louder.
42.-loss insulator.
44. Shade tree.
45. compensation, a control device that compensates for voltage drop due to current flow.

46. In electron optics a hole in a plate electrode which separates two fields (2 words).

DOWN

1. Microwave term specifying the type of oscillation occurring in a line, waveguide, tube, or cavity.
2. Term used to indicate that current is being taken from a voltage source.
3. Amount of radiant energy emitted from a source.
4. Refractory metal used for grids and plates of power tubes.
5. Printer's measure.
6. Regularly recurring pulsation of amplitude resulting from the combination of two tones or electric waves of different frequencies.
7. General term used to signify the strength or value of a current.
8. Indefinite article.
9. The load, above the normal operating rating, to which a device can be subjected without failure (2 words).
11. A three-electrode vacuum tube.
13. Type of current (abbr.).
17. Paddle.
19. Television band (abbr.).
20. Curve formed by the intersection of a cone and a plane.
21. A thin, enamel-like insulation of high tenacity.
22. The seventh letter of the Greek alphabet.
25. Southern state (abbr.).
30. Money received from labor or services.
32. Crystal cut.
34. Beverage.
38. Female sheep.
39. Place.
40. Observe.
41. Sick.
43. Radioman (slang).
45. Part of "to be."

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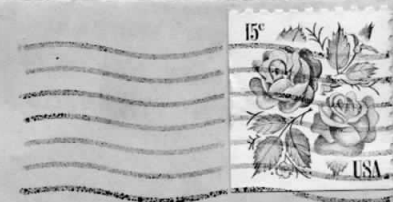
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46								

From Mid-Iowa QRM Newsletter

Gene, KØCKX, challenges you to solve this puzzle:
 What historic event occurred on the Iowa City repeater on April 7, 1974 at 2310 UTC?

If you know the answer, call Gene. The winner will be announced at the April meeting.

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