



HAM HUM

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New member initiation fee ... \$1.00

Regular member \$3.00

Regular member and spouse ..\$3.60

Student member \$1.05

NEXT MEETING

WHEN: FRIDAY, MAY 8, 1981

TIME: 7:30 P.M.

WHERE: DOUGLAS/SARPY COUNTY CHAPTER
AMERICAN RED CROSS
38TH AND DEWEY AVENUE
OMAHA, NE 68105

PROGRAM: OLIE OLSON KAØJNS, BENSON HOBBY SHOP,
WILL GIVE A PRESENTATION ON RADIO-
CONTROLLED AIRPLANES.

HERE ARE JUST A FEW OF THE WAYS YOUR CLUB CAN HELP YOU

Jackets & Caps	Walt KA0DMB
Name Tags	Edie WD0GHA
RFI	Frank WA0IWF
	Tom K0PQR
	Dave N0CLW
Technical Help	John WB0CMC (not before 10 AM)
Tower Climbers	Mitch N0AZF
	Scott WB0WOT
	Jim N0AIH
ARES	Jerry WB0PPF
Contests	Mike N0AON
QSL	Charlie W0QQN
	Alma XYL of W0QQN
Programs	Dick K0DG
Courtesy	Charlie K0QVL
Novice Help	Charlie W0QQN
	Chuck KA0EBD
Manpower	Jim WB0QGV
	Chuck WB0NVL
Advertisement	Tom K0PQR
Coffee Lady (at the meetings)	Aileen XYL of KA0DKO

COMMITTEES

Education	Bob WA0DHU
	Ellen WB0HWF
	Lloyd K0DKM
Instructors	Bob WA0DHU
	Chuck KA0EBD
	Charlie W0QQN
	Jim N0AIH
Subs	Frank WA0IWF
	Dave N0CLW
	Jim WB0QGV
Auction	Jim N0AIH
Field Day	Frank WA0IWF
	Dave N0CLW
Equipment	Scott WB0WOT
	Jim N0AIH
Finance	Dick KA0AAB
	Walt KA0DMB
	Lysle KA0DKO

(Continued top of next page)

(COMMITTEES - continued)

Finance	Paul WDØHRK Sam WDØBVH
Silent Key Plaque	Lloyd KØDKM Lou WØVLI
Repeater	John WBØCMC Ed WDØHBY Scott WBØWOY Wayne WBØHEW John WØWRT
Roster (notify of any changes)	Ellen WBØHWF Jon WBØQGT
Historian	Lou WØVLI
Ham Shack	Mitch NØAZF Tom KØPQR Dave NØCLW

The body of every organization is structured from four kinds of bones. There are the wishbones, who spend all their time wishing someone would do the work. Then there are the jawbones, who do all the talking, but little else. The knucklebones knock everything anybody else tries to do. Fortunately, in every organization there are also the backbones, who get under the load and do most of the work.

—Leo Aikman

**NOTES FROM THE BOARD OF TRUSTEES MEETING
HELD ON APRIL 8, 1981 at the AMERICAN
RED CROSS BUILDING at 19:30 hours.**

Members present: President Jim Wilson, WBØJPN; Chuck Hoffman, WBØNVL; Dick Fehrman, KAØAAB; Ellen Morrissey, WBØHWF; Walt Brown; KAØDMB; and Tom Thiessen, KØPQR.

Guests were Lloyd McElhaney, KØDKM and Lou Cutler, WØVLI.

The Treasurer's report was read by Dick Fehrman, KAØAAB and was approved.

Insurance was discussed.

Motion and second that the Equipment Committee be given the authorization up to \$200 expense money without prior Board approval on an annual basis for fuel and maintenance of Club owned equipment. Motion carried.

The Silent Key project will be allowed up to \$200 for materials.

Meeting adjourned at 21:30 hours.

Club Secretary,
Ellen, WBØHWF

PREZ SEZ

Good grief, it's May already (at least it will be by the time you read this) and the Auction has come and gone with astounding success. But right now I would like to thank Lou WØVLI, for his **Great** program that showed us a bit of our past. The pictures were super and gave the older ones of us a chance to relive the past and the younger ones of us a chance to see how exciting the past was. The stories were great. Jack WØODL, is a pretty sturdy character. Thanks again, Lou. Now you know why Lou was picked as Club Historian.

Congratulations to Jim NØAIH, on his appointment as SEC and Chuck WBØNVL, on his appointment as EC for western Pottawattamie County, Iowa. I'm sure they will both do an outstanding job.

A special thanks to Toni, widow of Bill WØCPM, for her generosity in donating Bills' equipment. The Galaxie 550 has been upgraded to a Kenwood TS130, which is being installed in the HF shack at Red Cross, along with the linear. Through the coming years, her generosity will make possible the handling of thousands of H&W messages.

Also thanks to Brian WBØAJI, for his report on LB 32 which could affect us all. We will keep a close eye on it.

I owe an apology to Sam WDØBVH, who somehow got left off the Finance Committee. But he is very much a part of it and the correction has been made.

Had fun at the Kearney

Convention, but did miss Mike NØAON, either with or without the Hospitality Room. Would like to have seen him there, along with everyone else. I almost panicked at first; I couldn't find anything (that I could afford) to buy! But luck was with me, I finally found something, so the trip was a success after all!

Now, TNX to Tom KØPQR, for the donation and John WBØCMC, for the installation. Repeater 34/94 now has a battery backup! It has been tested and works great, so with any loss of power, we are still on the air.

This month starts a new feature. Mitch NØAZF, will have everyone's call in a hat and someone will pick some out at each meeting. Their shacks will be visited by Dave NØCLW, or Tom KØPQR, for photos and they can each write a brief note about themselves. They will be featured in the next month's Ham Hum on the Ham Shack page. So let's everyone join in the fun and — REMEMBER: GET INVOLVED!

73's

de Jim WBØJPN

It is not because things are difficult that we do not dare; it is because we do not dare that they are difficult.

LET THE MEN AND WOMEN OF WISDOM SPEAK

Man - despite his artistic pretensions, his sophistication, and his many accomplishments— owes his existence to a six-inch layer of topsoil and the fact that it rains.

Anonymous

MINUTES OF THE GENERAL MEMBERSHIP MEETING

Held April 10, 1981, at the RED CROSS BUILDING at
38th & Dewey Avenue, Omaha, Nebraska

The meeting was called to order at 19:30 hours by President Jim Wilson, WBØJPN, and began with the Pledge of Allegiance.

New members are Daniel L. Klima, WDØGPE; Raymond A. Dusatko, WØSPL; and Debra K. McNaught, KAØHEO, who is the XYL of John McNaught, WBØWYI. Motion and second made that these be admitted to the Club.

Bob Lockwood, WAØDHU, Chairman of the Education Committee reports that at least 8 new Novice licenses are upcoming and there will be some upgrades from the General licence.

Dick Fehrman, KAØAAB, read the Treasurer's report.

Tom Thiessen, KØPQR, read some from the HR Report.

Jim Sanford, NØAIH, has been named Section Emergency Coordinator for Nebraska. Chuck Hoffman, WBØNVL has been named Emergency Coordinator for Western Pottawattamie County.

Tom Thiessen, KØPQR gave a report on the Club repeater. Loretta Kydney, WBØMNL gave a report on the Ladies Auxiliary Group. Brian Zdan, WBØAJI gave a report on LB #32.

Motion and second that the business meeting be closed.

Program for the evening

Lou Cutler, WØVLI, our Club Historian, presented a pictorial history of ground and air communications in early Omaha. There were several dozen pictures which were very interesting and lots of reminiscing.

Doughnuts and coffee followed.

Program concluded at 22:10 hours.

Club Secretary,
Ellen, WBØHWF

RECENT CONTRIBUTORS

34/94 REPEATER

Robert H. Brenneman, WØUQJ
Raymond A. Dusatko, WØSPL
Lawrence F. Caccomo, WØNMN
Dr. Charles Rush, NØAZ
Frank D. Bruner, KØSST
Thomas L. Thiessen, KØPQR

40/00 REPEATER

Brian Zdan, WBØAJI
Dr. Charles Rush, NØAZ

REMOVE FROM MAILING

Shirley M. Merriman, (XYL)
8923 Valley
Omaha, NE 68124

CHANGE OF CALL

Dave Hamilton from WDØDLN
to NØCLW
Sandy Hamilton from KAØBAK
to NØCLQ
Lysle A. Renne from KAØDKO
to NØCKH

WOMENS' AUXILIARY CHATTER

The April meeting will not be held till after the deadline for Ham Hum. Therefore, our meetings will be recorded a month late. Just wanted to make that "perfectly clear." The May meeting is Wednesday May 27, 1981. It's the **last** Wednesday of the month, not necessarily the 4th one. We meet at 7:30 P.M. in the Red Cross Building, 38th & Dewey, Omaha.

Since I was the only member attending the Midway Convention in Kearney, NE., I shall report on the womens' activities. It was rainy, but we seldom went outside. The first activity was Sat. A.M. and I arrived too late to watch the WOK Cookery, but just in time to **eat** some of it. How about that for timing? Of course, I was **just** in time for the next event, Aerobic Dancing. (A fancy name for exercise!) Boy! was it strenuous!! That worked up our appetites for the Luncheon and Style Show, at the Holidome.

The Holidome was a beautiful setting for the Convention. It resembles a Tropical Paradise, trees and plants surround the entire dome. It has a pool in the center and stairs up to a hanging lounge, the Elephant's Eye. Also, an artificial rock waterfall. It's a Convention you will never forget!

The luncheon was different from any I've ever attended.

French Dip sandwiches instead of creamed chicken and even a Sundae dessert! The fashion show was gorgeous, with children and young men also model-

ing. Naturally, it ended with a Bridal Party. The hairdos were donated by a Beauty Salon and were beautiful.

This was followed by a tour and tea at "The Frank House." This is a home built in 1889 for \$40,000.00. It has three stories, 40 rooms and 6 fireplaces. The tour guide is a college professor's wife who lives there and is in charge of refurbishing it. It is a property of the Kearney State College and is a National Historic Site. It was a wonderful house.

The evening ended with the banquet and Dr. Manley was the guest entertainer. If you have never heard him, he is a famous songwriter, singer and historian on Nebraska. It was a fitting ending for a lovely day.

Sunday we had breakfast and went to the Flea Market. Oh yes, there always has to be one of those! One area was just for women's crafts. There were many, but would have been more if people would just **read** the brochures! I didn't buy anything there, as I spent **my** money at the Trading Post across the street. Really—don't miss it next year!!

Kay Wilson

ADDITIONS TO ROSTER

Raymond A. Dusatko, WØSPL
1501 N. 59
Omaha, NE 68104
Phone: 551-8828

Debra K. McNaught, KAØHEO
(XYL of WBØWYI)
Box #167
Ashland, NE 68003

A LETTER TO THE CLUB

Bonner's Ferry, ID

Dear Sirs:

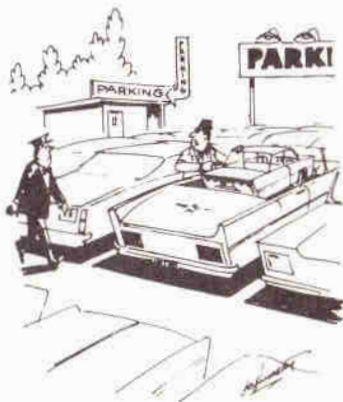
Another year has flown past; been busy out her, just came back from my Mother's funeral at Eaton, Indiana. Saw the depot where we got on the train in May 1918. Of course, my mother had outlived all her friends.

We have been busy building a new home (on a hill) in Seattle, WA. My oldest son has a construction Co., so you have to take advantage of whole-sale connections.

Have had only about 40" of snow here this winter. No snow on ski slopes. Still talk to

"Dingalings" each morning — also talk to Glenn Klein, ex-WØIYB now W7JWZ, each day one 3840 — 4:30 P.S.T.

Yours,
Damon Nuckols



"Whose car is this?"

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Loretta Kydney, WBØMNL

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MICRO-CURRENT DANGER

The "Ham Shack" is one of the most electrically hazardous environments to which a person can be exposed. While electronics, in the medical environment, has made possible the saving of thousands of lives that would have been lost only a few years ago, the use of any electrically powered equipment, with currents as low as 20 microamperes, invariably introduces the chance of electric shock. Electricity can affect the heart, brain and lungs in various ways so as to ultimately cause death; however, when discussing the microshock hazard, we are only concerned with the heart.

The heart is basically an electro-mechanical device. It chemically generates electricity and then uses this electricity to contract the heart muscles in a rhythmic fashion, pumping blood to the vital organs of the body. Uncontrolled currents will cause uncontrolled muscular activity or the muscles will "freeze," and the person can not let go from the source of the shock. The heart muscles tend to act in the same way except that even a mild shock can be fatal.

The determining factors in the heart's response to an electrical stimulus is its duration and the current density through the heart muscle. Regarding the time factor, the most irritable range of electrical frequencies for the heart are from 25 to 60 Hz. At 60 Hz, if the current density is only sufficient to override the heart's normal electrical signal, the heart

muscle will fibrillate. Fibrillation is the uncontrolled random contraction of the individual muscle fibers of the heart which prevents it from pumping blood. If a relatively large current density passes through the heart muscle, the muscle will contract, stopping all activity. Once the heart's capability to pump blood has been impaired by an external current source, only about 4 to 6 minutes are available to resuscitate the victim before permanent brain damage occurs.

In the "Ham Shack" we have long realized the necessity for proper earth grounding of our equipment and we are aware that the currents and voltages are dangerous. We as MARS members and Ham operators are given the opportunity to be of service to our community by setting an example in safe practices and being prepared to take positive action during emergency situations. MARS members should take advantage of courses which are offered, free to the community, in Basic Life Support (CPR) and First Aid. Make safety in the Ham Shack and at home or work a habit!

By V. E. Kirkpatrick, AAV4DW,
U. S. Army MARS Bulletin Nov.
1980



"I don't think the staff is taking my meetings seriously."

HAM HUM SWAP

NO CHARGE FOR ADS (NON-COMMERCIAL) SUBJECT TO SPACE LIMITATION. MUST BE SUBMITTED IN WRITING TO P.O. BOX 291. SEE COPY DEADLINE PAGE 2.

FOR SALE: FT 620B 6M, AM (FM modified) CW SSB. 3 1/2 years old, has marker unit, 50 MHz to 54MHz frequency range. \$180. Call Casey Smith KAØBTH during day 402-331-1885; at night 402-592-4108.

FOR SALE: SONY AV-3600 VIDEORECORDER Black-and-white only, reel-to-reel, one hour max record time per tape. No built-in tuner. Has RF unit for playback through any TV set. Audio dubbing capability.
Turner Morgan, WDØFJO
5641 South 111th Street
Omaha 68137
592-3454 (home) 291-3574 (work)

On the afternoon of 16 December, 1980, Ross, WA6YTG, from Simi Valley was driving south on highway 99 just south of Fresno. Suddenly on his mobile scanner came a report from the Highway Patrol of a robbery and shooting which had just happened in Fresno, complete with a description and license number of the suspect's vehicle. The report went on to say that the suspect's car was heading north from Fresno. At this instant Ross recognized that the very same vehicle had just overtaken and passed him, heading south at high speed.

Ross increased his speed to stay in sight of the car and called for assistance on the local 146.31/91 repeater. Ken, N6BSS, responded and telephoned the local C.H.P. dispatcher. The dispatcher failed to grasp the seriousness of the situation and suggested that he call the C.H.P.

in Fresno, a toll call.

Rupe, W6FBT, then broke the frequency and called the Zenith 12000 emergency C.H.P. number. The response was immediate, and the Highway Patrol advised WA6YTG to reduce his speed and to avoid the suspect vehicle.

Further down the highway, Ross passed a rest stop where four police vehicles had surrounded the fleeing car, the suspect's hands were against the windshield, and four shotguns were pointing in his direction.

Congratulations to three public spirited amateurs. It's strange that those eastern politicians can't recognize that a person listening to a scanner is most probably honest, and just occasionally may be of considerable public service.

de CENTRAL VALLEY
RADIO CLUB, INC. NEWS.



IF shift, digital display, narrow-wide filter switch

TS-530S

The TS-530S SSB/CW transceiver is designed with Kenwood's latest, most advanced circuit technology, providing wide dynamic range, high sensitivity, very sharp selectivity with selectable filters and IF shift, built-in digital display, speech processor, and other features for optimum, yet economical, operation on 160 through 10 meters.

TS-530S FEATURES:

- **160-10 meter coverage, including three new bands**
Transmits and receives (LSB, USB, and CW) on all Amateur frequencies between 1.8 and 29.7 MHz, including the new 10, 18, and 24 MHz bands. Receives VVV on 10 MHz.
- **Built-in digital display**
Large, six-digit, fluorescent-tube display shows actual receive and transmit frequencies on all modes. Backed up by analog subdial.
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Moves IF passband around received signal and away from interfering signals and sideband splatter.

Matching accessories for fixed station operation:

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- VFO-240 remote VFO
- VFO-230 remote digital VFO with 20 Hz steps, five memories, digital display
- TL-922A linear amplifier
- SM-220 Station Monitor
- KB-1 deluxe VFO knob
- PC-1 phone patch
- HS-5 and HS-4 headphones
- AT-230 antenna tuner/SWR and power meter
- MC-50 desk microphone
- HC-10 digital world clock
- YK-88C (500 Hz) and YK-88CN (270 Hz) CW filters and YK-88SN (1.8 kHz) SSB narrow filter
- MC-30S and MC-35S noise-canceling hand microphones

- **Narrow-wide filter combinations**
Any one or two of three optional filters — YK-88SN (1.8 kHz) SSB, YK-88C (500 Hz) CW, YK-88CN (270 Hz) CW — may be installed for selecting (with "N-W" switch) wide and narrow bandwidths on CW and/or SSB.
- **Wide receiver dynamic range**
Greater immunity to strong-signal overload, with MOSFET RF amplifier operating at low level for improved IMD characteristics, junction FET's in balanced mixer with low noise figure, and dual resonator for each band.
- **Built-in speech processor**
Combines an audio compression amplifier with change of ALC time constant for extra audio punch and increased average SSB output power, with suppressed sideband splatter.
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Runs 220 W PEP/180 W DC input on all bands.
- **Advanced single-conversion PLL system**
Improved overall stability and improved transmit and receive spurious characteristics.

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Pulse-type (such as ignition) noise is eliminated by built-in noise blanker, with front-panel threshold level control.
- **RF attenuator**
The 20-dB RF attenuator may be switched in for rejecting IMD from extremely strong signals.
- **Optional VFOs for flexibility**
VFO-240 allows split frequency operation and other applications. VFO-230 digital VFO operates in 20-Hz steps and includes five memories and a digital display.
- **RIT/XIT**
Front-panel RIT (receiver incremental tuning) shifts only the receiver frequency, for tuning in stations slightly off frequency. XIT (transmitter incremental tuning) shifts only the transmitter frequency, for calling a DX station listening off frequency.

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