



HAM HUM

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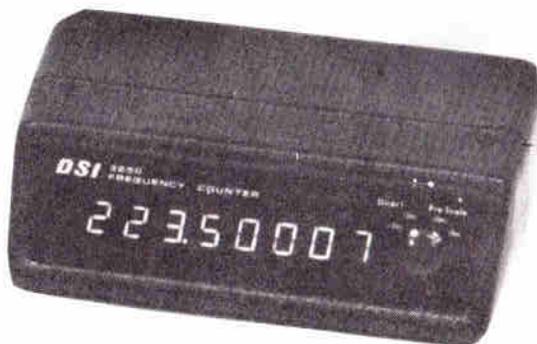
July 1978

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Dues-Annual Basis

(Due and Payable each January 1.)

New member initiation fee	\$ 1.00
Regular member	\$10.00
Regular member and spouse	\$12.00
Student member	\$ 4.00

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Deadline for August issue is July 18th

Dues-Quarterly Basis (For each quarter or

part thereof for balance of calendar year.)

New member initiation fee	\$1.00
Regular member	\$3.00
Regular member and spouse	\$3.60
Student member	\$1.05

NEXT MEETING

WHEN: TUESDAY, JULY 11, 1978

TIME: 7:30 P.M.

PLACE: JEWISH COMMUNITY CENTER
333 South 132nd Street
Omaha, Nebraska 68154

PROGRAM: PRINTED CIRCUIT BOARDS
Marty Griffin, WAØGEH, and John Gebuhr, WBØCMC, will show us some of their ideas on production of Printed Circuit Boards. All you home brew artists take note.

73s WBØPHP

VISITORS WELCOME - REFRESHMENTS - EYEBALL QSOs

THE PREZ SEZ

Faster than a speedy electron, more powerful than a 5 Kw transmitter, able to leap tall towers in a single bound --
erham.

Yes, Superham, that's who -- the people who made our Field Day so much fun. The food, the trailer, the relentless operator. The score is now history; we did our best. If we didn't rise to the top of our class it's not our fault; someone maybe just did better. However, our efforts were worth it, and if we didn't outclass our field, we learned and can do it better next year.

Of all of the wonderful things to happen this year, amongst many, the one thing that is most forward in memory is the *good* operating experience gained by those behind the transmitters of WØEQU. Much emergency operating practice was gained by many who had never witnessed the crowding of our bands by other amateurs (us included) trying to make a contact without using power.

Also congratulations to Frank, WAØIWF for his successful earth-bounce technique during the preliminaries to Field Day. Frank used the van Wolczak belt; and one less guy wire than normal to rotate the tower into position. His frequency was 1.

Now that the trailer has been wheeled out for view, I hope that you all take the time to thank those involved in rebuilding for their time and labor. It is an asset the Club will enjoy for years to come.

The Board has acquired two more two meter 22S ICom rigs for use in ARES nets. One will be placed at the

Sarpy County Courthouse and the other is to be used in the Emergency Operations Center in downtown Omaha. The power supplies previously purchased have been placed and are now in use. The North Omaha Weather Station is fully equipped and installed.

We are still soliciting funds for the equipment to be installed in addition to the above and will continue until all equipment (additional 2 meter and 1½ meter rigs) is financed.

Texas hospitality was extended to my wife and me by WBØDXA, Mike and family during June. We enjoyed the visit and HAM-COM in Dallas. An eyeball QSO with K5TNP, Jim was included. Both are expecting to visit Omaha before year end.

Printing deadline presses me this time (day after Field Day) and the old body still is recovering from the weekend. See you at our July meeting, same time, same place.

73's

Jim, WØQGV

OMAHA STILL THE ONE...

Our first few days in Atlantic City the casino capital of the eastern seaboard, and I'm ready for Omaha again. Don't believe all that talk. The boardwalk is practically empty, there are no lines waiting to get into the casino, there are no traffic jams, no crowds. I envy you back in exciting Omaha. After all, there are no tornadoes in A.C. Hi!

Scott, WØQPP

LICENSE CLASS— YL AND XYL ONLY

A YL and XYL only license class will be held during the latter part of July or the month of August. Any ladies interested may call Kay Wilson at 455-4259. We are looking for a class size of 10 to 25. Exact times, date, place and text will be announced at a later date on the 34/94 tape system and time permitting in Ham Hum. Those registering with Kay will be called by phone.

John Gebuhr, WBØCMC

TEN METER PROJECTS

A few months ago, I talked about a ten meter base antenna. "Okay," you say, "I already have a good antenna for ten." Well, how good is your ten meter *mobile* antenna? Or do you even have one?

Well, I collected my catalogs and dove in. The antenna had to fit certain requirements. It had to:

- 1) be portable enough to move it from car to car;
- 2) be sturdy enough to withstand highway speeds;
- 3) leave no permanent marks on a car;
- 4) be able to be converted to ten.

A magnetic mount fit the bill quite nicely. Radio Shack has a good quality magnet mount for about \$22; the easy way to go mobile on ten.

First of all, the whip of any loaded antenna should *not* be shortened. Rule of thumb states that the more radiator

exposed, the more efficient the antenna will be. Look at a 50 ohm dummy load. It's perfectly matched, but how much radiator is exposed? None. And compared to a tuned antenna, how well does it radiate? Not well.

Remove the coil from the coil assembly by turning the assembly upside down and pushing on the bottom until the coil pops out. There are no mechanical parts to take out first. (Fig. 2.)

There are actually two coils on the form. The bottom one is a matching coil to ground and should be left alone. The top is the loading coil.

Carefully desolder the top connection of the coil from the *slotted slug*. (See Fig. 1.) Remove 1½ turns from the coil making sure the coil is still tight against the form. Remove the enamel coating on the end, tin it and also tin the *plain* end of the slug. Solder the coil to the plain side.

A thin layer of coil dope or glue may be placed over the coil to protect it from vibration.

Replace the cover on the coil. Help may be obtained by shoving the coil as far in with your fingers as possible, then using the spring on the whip to "screw it up."

Install the antenna on the vehicle and adjust the SWR as in the directions.

Mobiling in motion from Omaha to Atlantic City, I worked ten new eastern states and into Canada. (Here I'm hearing lots of Q's, so I just may work Omaha from our car!

Good Converting,
Scott, WBØQPP

(See illustrations next two pages)

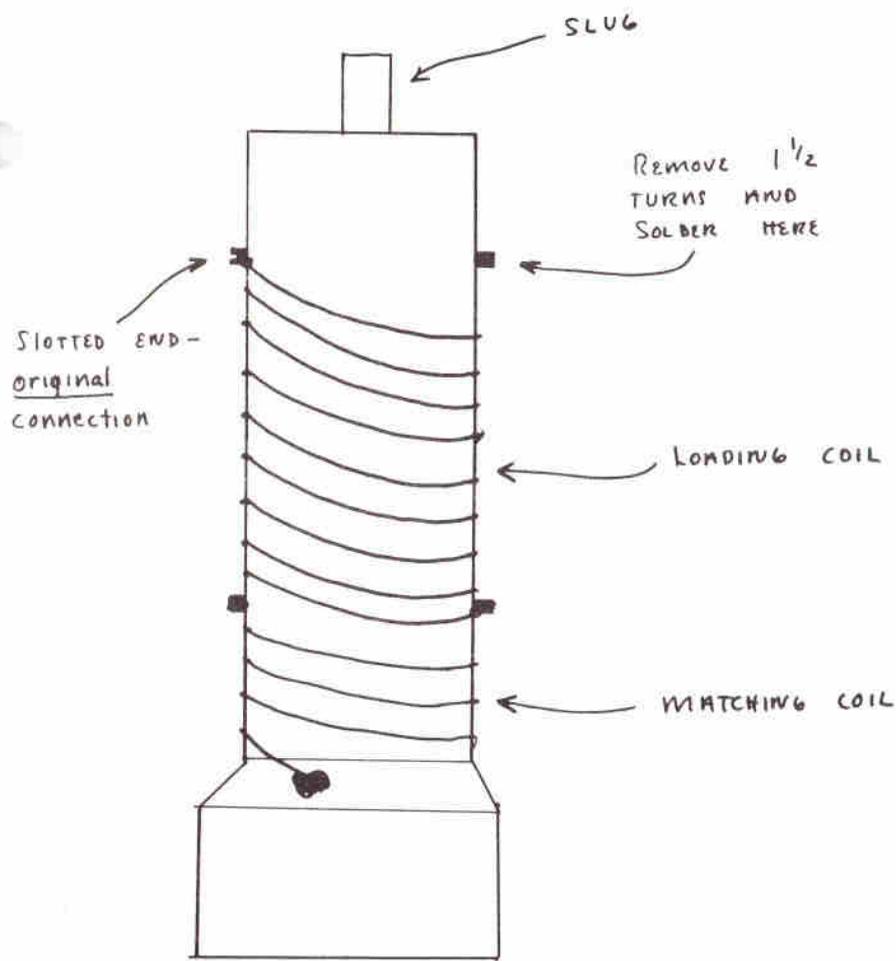
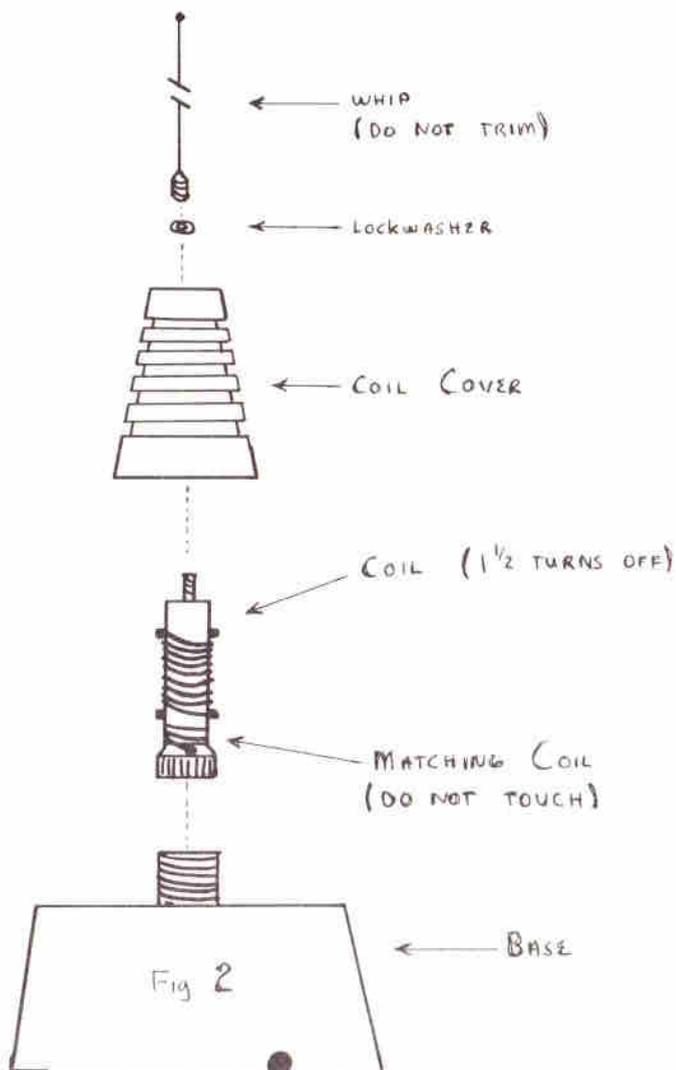
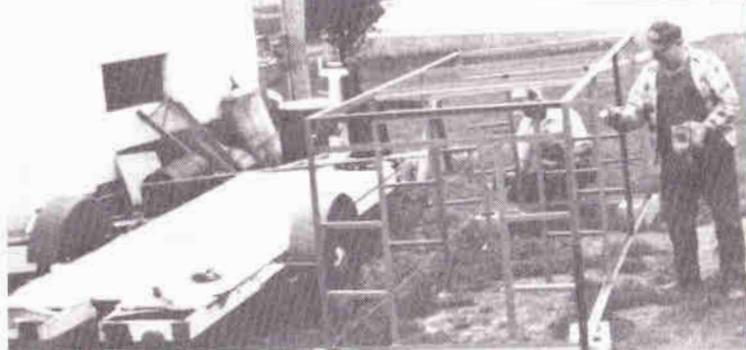


Fig. 1
COIL MODIFICATIONS



RADIO SHACK MAGNET MOUNT
10 METER MOBILE ANT.



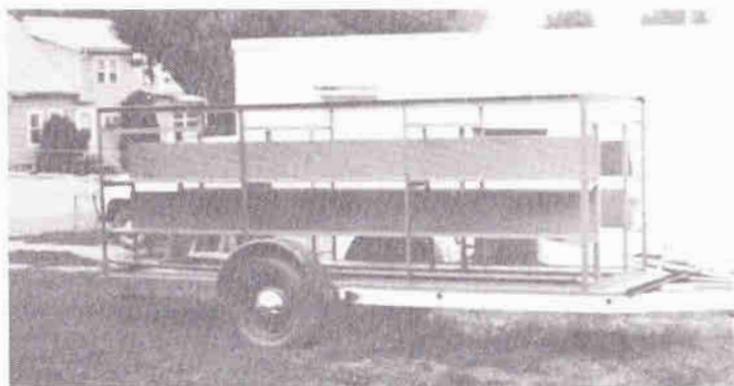
TRAILER REBUILT

Our thanks to Bob Chereck, WBOTVP and Ted Ciurej, WBOUEB who donated many hours of labor in rebuilding the trailer for Field Day.

Thanks also to Mac McLaughlin, WAQBMJ, and to Mike Wilczynski, WBQBMV, for the donation of material and tools used to rebuild the trailer.



Photos by Ted Ciurej, WBOUEB





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LADIES ONLY

This month there is a wide variety of information for this column--from a recipe, to an eyeball QSO to Field y. So--read on!

The YL 2-Meter Net on .40-.00 certainly does have a different type of QSO, as was predicted. The following is the "never-fail, super-easy, delicious" sugar cookie recipe which Irene (WB0MPC) shared with us on the net--via the autopatch, with John's (WB0CMC) help!!

SUGAR COOKIES

2 sticks softened margarine
2 cups sugar
dash of salt
2 teaspoons cream of tartar
2 eggs
1 cup cooking oil
2 teaspoons vanilla
2 teaspoons soda
5 cups flour (blend in 1 cup first,
then additional 4 cups)

Drop on greased cookie sheet
Bake 12 minutes at 350 degrees

In addition to the Monday night radio QSO, some of the YLs and their OMs met on Friday evening, June 16, for an eyeball QSO-farewell to Rita (W0FOFX) and her OM who will soon be moving to the Washington, D.C. area. Some other well-wishers dropped in on the festivities also. All the YLs will certainly miss -- FOX.

Congratulations to all of the YLs who gave moral support and also made contacts during the Ak-Sar-Ben Radio Club's recent Field Day. We know that Jean (W0QAY), Rita (W0FOFX), Dalene (W0TTK), Amy (W0UQI),

Ellen (W0HWF), Irene (W0MPC), Sandy (K0BAK), and Mary Lou (W0UID) made their presence known. Marcy (W0HPK) was also there in a rather "official" capacity--in charge of the novice shack!!! Who would have guessed that there were so many active YL hams in the Omaha area???

Again, any YLs who are technician or better and have the .40-.00 capability and Monday nights at 8:30 p.m. free are more than welcome to check in. We welcome all of you.

33s Jill, W0NYH

RECENT CONTRIBUTORS

Repeater 34/94

Kenneth R. Harrigan, W0WYB
Darrell D. Herk, W0HHV
Charles A. Michel, K0QVL
James R. Peterson, W0QGV
Floyd H. Schadendorf, W0LXP
Scot Thompson, W0WOT

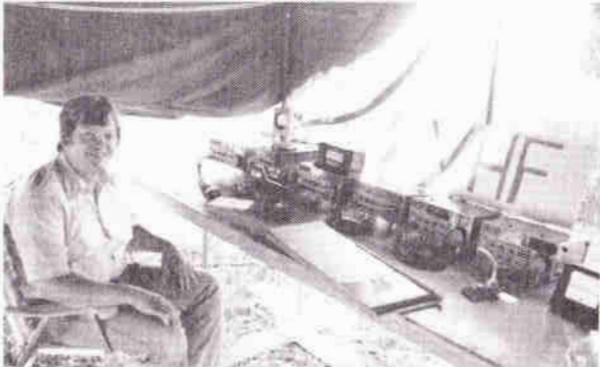
Repeater 22/82

Kenneth R. Harrigan, W0WYB
James R. Peterson, W0QGV
R. J. Wickham, Jr., W0S JL

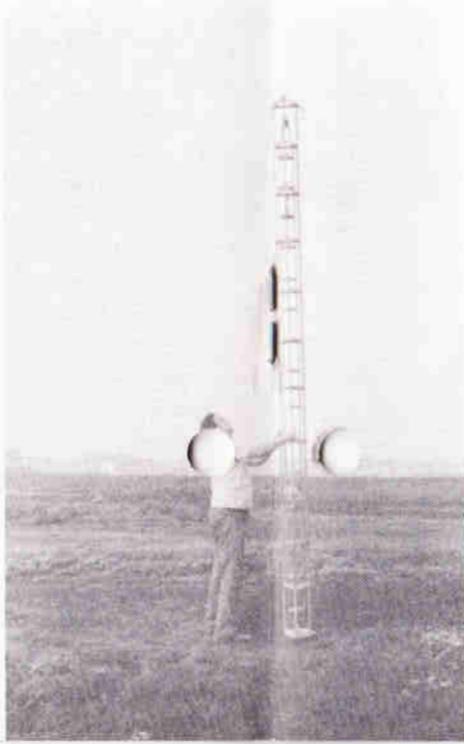
Repeater 40/00

Kenneth R. Harrigan, W0WYB
Darrell D. Herk, W0HHV
Michael C. McPherson, W0SMC
James R. Peterson, W0QGV
Floyd H. Schadendorf, W0LXP
Scot Thompson, W0WOT

Thanks also to Bob Conley, W0LYU and Chuck Hoffman, W0NVL for material donated for the repeater.



FIELD DAY PHOTOS
By
Dave Hamilton, WDØDLN & Jon Penner, WBØGOT







More
FIELD DAY
Photos



MODEL AIRCRAFT ENTHUSIASTS ALERTED

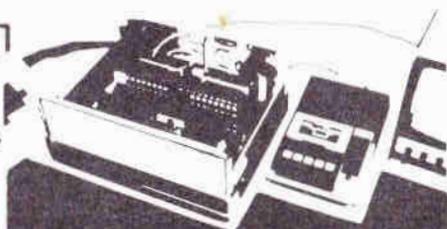
Many pilots (and non-pilots) enjoy spending their spare time building, painting and flying model airplanes. However, there seems to be a potentially hazardous situation of which the model builder should be aware and take precautions. The problem evolves from the use of epoxy-based paint (Tolvol, Zylon, N. Propyl Acetate, Methyl Isobutyl Ketone). If this paint is sprayed in a confined area and the vapors inhaled, the effect can be an inflammation of the tissue around the lungs and the heart, actually inducing a coronary for which there is no antitoxin. If enough toxin (epoxy poisoning) has been ingested,

the doctors cannot help. One case cited involved a man who had spent less than four minutes exposed to epoxy spray and within two hours developed severe chest pains and ended up in a coronary unit. In addition, the effects of epoxy poisoning are cumulative (add up) with repeated exposures.

In summary, be informed about this potential hazard to your health, know the proper techniques (such as good ventilation, face masks, etc.) to use, and live to enjoy a very rewarding and challenging hobby.

Submitted by Charles A. Michel,
KQOVL

- Appointments Calendar
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VHF COLUMN

For those who missed the VHF QSO Party in June, conditions were fair to good with openings on six Saturday evening and Sunday morning and afternoon bringing some much needed multiplier to many Omaha stations. The contest was not without some DX for some 6 meter stations on the west coast, several JA's were worked from California Saturday evening, while W8's were working an aurora on six and two. Nothing heard here. A pretty good E_s opening occurred south of us on two meters to 8's and 9's from Missouri, Oklahoma, and Texas.

To date (June 18th), six meters has been open every day since May 21st, with an exception on June 3rd, to some parts of the U.S. On May 29th, KL7IFP was worked by WBØEGI, Armour, in Sioux City; I was on at the same time listening but heard nothing down here. Armour was running 10 watts. Shows you what 100 miles difference can do. Hi.

The First Annual International SWOT QSO Party will start at 0000 UT, July 1st, and run til 2359 UT, July 7th. Suggested freqs are 144.200 to 144.300 MHz. Also a reminder that the SWOT Net frequency is now 144.250 MHz, Tuesday eve. at 2030 local.

If anyone needs assistance setting up a station, or needs info about the VHF bands, either newly licensed hams or old-timers, I'll be glad to give you some help or pass you along to someone who can. Give me a call or see me at the club meetings.

John Bruckner, WAØMRH

DONATIONS

The Voice Information System on the 34/94 repeater has some new 8 track players, I would like to thank Mr. Jerry Wasserman, WBØCKR for donating several of these units. Also Scot Thompson, WBØWOT has donated a tape player. We appreciate these donations; these units will be used to replace some of the inoperative ones presently on the system.

I want to thank Jim Peterson, WBØQGV, for donating 8 track cartridges. We need these to replace broken ones.

The Voice Information System still needs equipment. If you have these items that you are not using, please let me know.

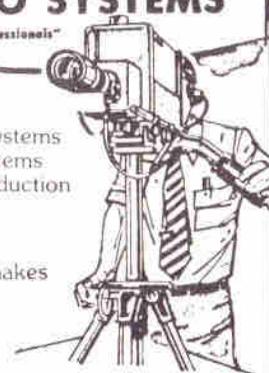
73's

Bob Neben, K9BL

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ADDITIONAL INFORMATION

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DON MCMULLEN, 895-2178

WB0MUC

KEN MOLAGEK 571-8833

**NOTES FROM JUNE 20TH
 BOARD OF TRUSTEES
 MEETING**

An update on the cost of the Club's equipment was the Board's first item of the meeting. With everyone's help, the members present put new values on equipment for insurance reasons.

WB0LYU made motion to buy one first aid kit for Club members, seconded by Tom, K0PQR. Motion carried.

A Field Day report was given by Jerry, WB0PPF.

Bob, WB0LYU, filled in the Board members on what was being planned for the E.O.C. in the City County Bldg. and what the Club would have to do if AARC occupies the space available to them.

Under new business, at the recommendation of the Board, two additional 22S 2 meter rigs are to be purchased for placement in use by ARES.

Bob, WB0LYU, made motion to adjourn, seconded by Jon, WB0GQT, approved by the Board.

Club Secretary

Robert R. Chereck, Sr.

WB0TVP

MURPHY'S LAWS

By John Gebuhr, WB0CMC

Did you ever wonder why things sometimes never turn out quite right? Do not lose heart for there are some old, long-established laws governing the human state of affairs. Probably the best known ones are Murphy's laws.

Murphy's first law states that: If it is at all possible for anything to go wrong, it will.

His second law (not so well known) is: If everything seems to be going perfectly, stop it and check because something is probably drastically wrong.

His third law continues: There will always be at least one screw, nut or other essential part left over after you finish putting something back together.

A fourth law in this series was discovered quite by accident - not by Murphy, but by Demosthenes (not the one you usually hear about in 1527 B. C.) as he was taking a cart of fresh eggs to market. He passed under a fig tree just as one fell. It landed right in

the middle of his cart and, following the theory of a strike in bowling, not one egg remained unbroken. This law became quickly obvious and needed only to be stated which Demosthenes did promptly so as not to be left with egg on his face: If an object falls (or fails) it will always land (or break) so as to do the most possible damage.

It seems man has always had sayings like this down through history and can see through his foibles and periods of uncoordination and takes a minute to sit back and chuckle at himself. It also seems that a very large problem alluded to in the above laws gets smaller if one stops and looks at it in perspective. Occasionally it may even cease to be a problem.

(Continued at top of next page)

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(Continued from Page 17)

Also throughout history man has sought solutions to his problems and has solved a vast quantity of them, but one must be very careful and suspicious if he finds his psychoanalyst sitting on his mother's lap.

Occasionally someone lets life's problems get the better of him as did Aloysius Petrov Nagurski when he commented on Murphy's laws, "Murphy was an optimist" and " * ? @ ! ! ! !".

CONFUSING PRACTICES

While exchanging QSL cards for my Worked All States award, I've noticed two practices on incoming cards which cause some confusion.

One practice is the use of a.m. or p.m. instead of the much preferred Universal Coordinated Time (UTC). The other, which is an error, is the failure to have the correct date, even though UTC is used. This oversight usually occurs in the evening hours, local time, when the sun may still be shining, but the UTC clock has reached 0001 and a new day.

For someone who works only a handful of contacts per day, it isn't too difficult to look up or down the log and find the call sign.

But for contest or DX stations, the wrong date or use of a.m. or p.m. time could result in no QSL card back to you. In many cases, the operator or QSL Manager just doesn't have time to hunt through the log, especially where there are hundreds of contacts in one day.

By Joe Niemann, WBØFWB

ADDITIONS TO ROSTER

Rick L. Blank, WBØPCZ
3533 South 70th Street, #12
Omaha, Nebraska 68106
Phone: 391-6681

Frank C. Burcaw, WDØBHL
7606 Chandler Hills Drive
Omaha, Nebraska 68147
Phone: 734-3177

Bill J. Fehrman, KAØAAA
7005 North 53rd Street
Omaha, Nebraska 68152
Phone: 571-5537

Richard L. Fehrman, KAØAAB
7005 North 53rd Street
Omaha, Nebraska 68152
Phone: 571-5537

Darrell D. Herk, WDOHHV
10305 Ohio Drive
Omaha, Nebraska 68134
Phone: 397-5861

Roy M. Kaiser, KØIPV
5824 Western Avenue
Omaha, Nebraska 68132
Phone: 551-0942

James R. Newland, KØEMC
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John Altman, WA4AIP/O, Lincoln 423-1126

Vacation July 7th thru 16th

- FOR SALE: Yaesu FT200 with combination power supply/speaker—\$340.00; HW-16 with matching speaker and VFO—\$140.00; Bell and Howell School Oscilloscope, Model 34—\$50.00; Bob Martin, WDØAQV, 128 S. 17th St., Blair, NE 68008; phone (402) 426-9471 or 426-3570

- FOR SALE: WRL Model 65 Xmtr, 160-10 mtrs, about 60 wts, cw and a.m. phone possible with 2 home cw filters and dipole ant.—would like \$45.00; Heath HR-10B Receiver and small speaker—would like \$75.00; Heath HD-1410 Electronic Keyer, new—asking \$50.00; Realistic hand-held 3 chnl CB 1.5 wts, new—\$60.00. Have original manuals for everything! Call Sherman J. Cold, WBØTEB, 1707 Dianne Ave., Bellevue, NE 68005; phone 291-4698



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