

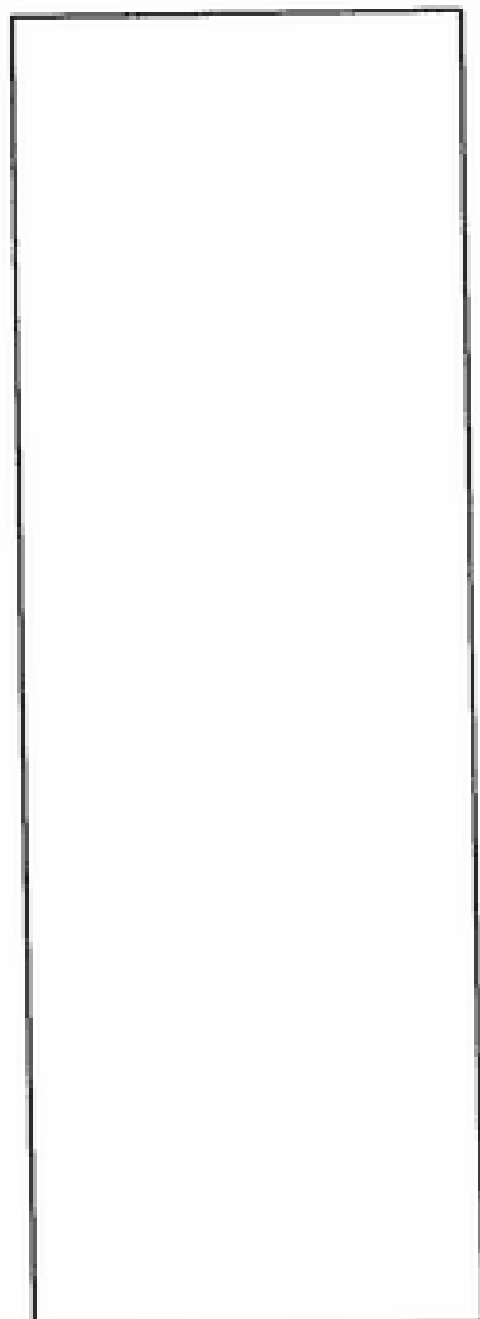


CORA
Collector & Emitter

August 1994
Volume 20, Number 08
Issue 234
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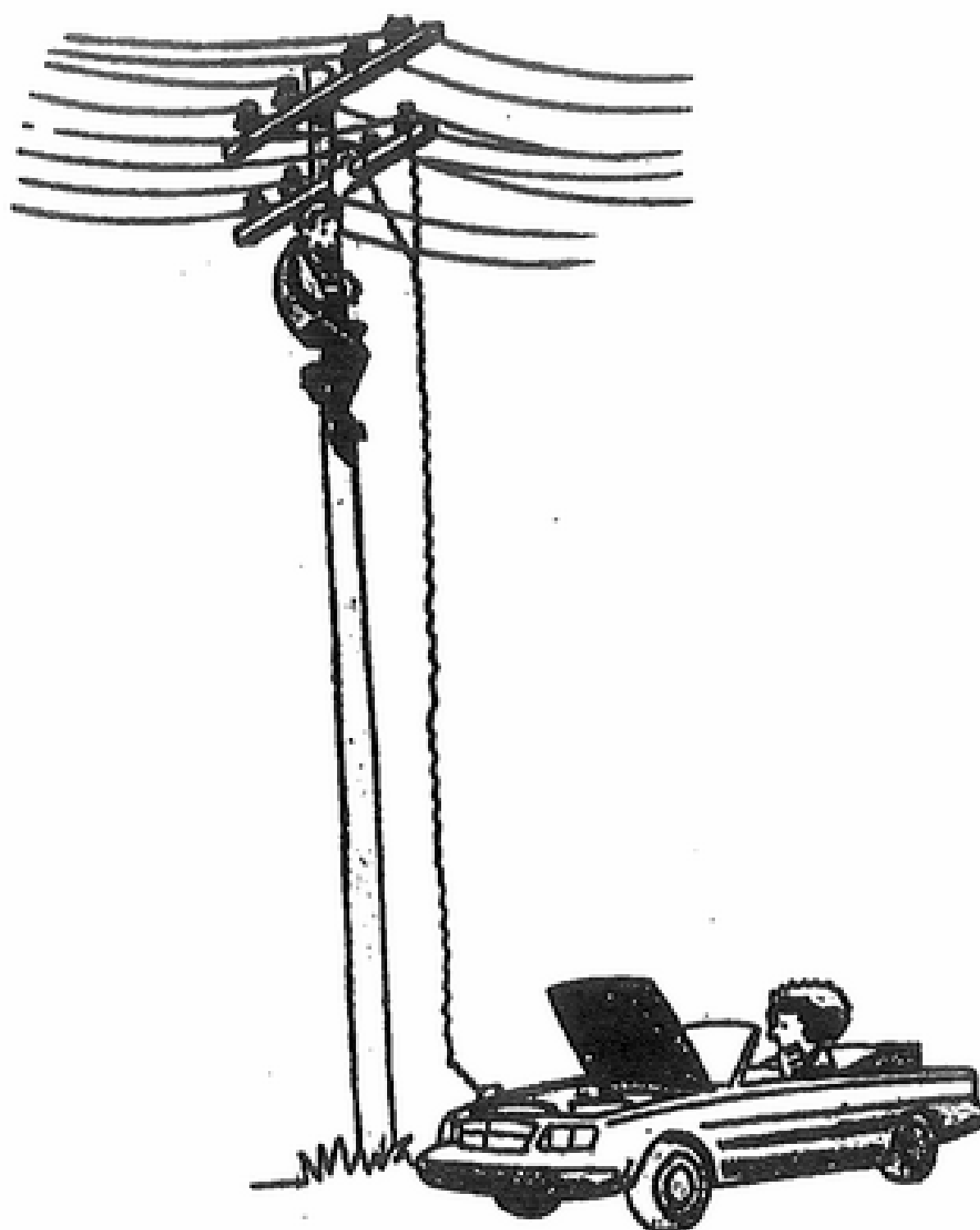


1994

Ham Holiday

OKC's 21st Annual Hamfest

Some Hams Will Do Almost Anything To Get To Ham Holiday!!!



Joe Harding WA5ZNF(sk)

First Editor of C&E Goes Off The Air, He Will Be Missed

CORA

Collector & Emitter

Harold C. Miller, KB1ZQ/5
Editor

Central Oklahoma Radio Amateurs, Inc.

President: Rick Masters, N5WNR

Vice President: Kathy

DeGraffenreid, AA5RU

Secretary: Jim Buswell, N5BEQ

Treasurer: Tom Mangham, K5LDI

Dear Subscriber:

PLEASE help us keep your information up to date. What time, where, when, who are your officers, editors, and their phone numbers. Check your entry, it can be changed. If there appears to be a mistake, check with your club officials. We can't do a thing about it if you don't. Below is a sample label:

4	94/07	2
DOE, JOHN E.	KA5ABC	
1234 SW 56th STREET		
RADIOVILLE, OK	74321	

The "4" means Autopatch Club, "94/07" means the year/month dues expire. The "2" is for postal rates.

Dear Secretary / Treasurer:

When you want a change of any sort to your membership, you must fill out completely a subscription slip. Watch for the date you received their funds and the date the subscription expires. Have your slips, or list of deletions submitted by the 22nd of each month. If there is anything about C&E subscriptions you need to know, please contact us.

August 1994

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1. Aeronautical Center ARC Meets: 1930L, 1st Thursday, FAA, S. MacArthur, OKC Pres: Dick Russell, KJ5VV 733-2141 Sec/Tr: Brad Nelson, KJ0W 793-9470 VP: Chuck Bryant, KB5ZVZ 737-0423 Editor	11. Edmond Amateur Radio Society Meets: Odd Months, 1400L, 3rd Sunday, Edmond EOC, Even Months, Dinner, 3rd Friday Pres: Lee Vaughn, KA5WIS 348-2961 VP: John Thomason, WB5SYT 340-1798 Sec: Kay Sage, KB5LDO 341-8971 Treas: Sue Snyder, N5VWI 341-8751 Editor: John Thomason, WB5SYT 340-1798
2. Oklahoma Central VHF ARC Meets: 1100L, 3rd Saturday, Neighbor's Resturant 3401 N. Classen Blvd, OKC Pres: J. Frank Feilds, KB0QJ 789-8469 VP: Bill Noland, WA5FWD 354-5018 Sec: Joe Buswell, K5JB 732-0676 Treas: Ellard Foster, W5KE 789-6702 Editor: Joe Buswell, K5JB 732-0676	14. Cimmaron Amateur Radio Society Meets: 1930L, 1st Thursday, WK5Y Playhouse 827 S. 13th, Fairview Pres: John Medley, N5WVU VP: Kenneth Monahan, KB5SOM Sec: Dennis Painton, WK5V 764-3599 Treas: Nadine Painton, N5FMH 764-3599 Editor: Kenneth Monahan, KB5SOM
3. Mid-Oklahoma Repeater, Inc. Meets: 1900L, 1st Tuesday, Favorite's Cafe, 36th and S. Western, OKC Pres: Scott Walsh, N5NYS 787-3804 VP: Larry Benedict, N5VYC 728-7824 Sec: Earl Draper, AB5TF 360-6850 Treas: Robert Moose, N5QK1720-0073 Editor: Dean Ward, N0PAD 681-4606	15. South Canadian ARS Meets: 0930L, 2nd Saturday, Red Cross Bldg North OU Campus, Norma Pres: Don, KJ5KB 321-1673 VP: Mike Winkel, N5SOF 366-8639 Sec: Keith, KB5FCI 329-2213 Treas: Bill, N5UMH
4. Oklahoma City Autopatch Assn. Meets: 1930L, 3rd Tuesday, Salvation Army Bldg N.W. 50th and Penn. (Back Door) Pres: Brad Nelson, KJ0W 793-9470 VP: Tom Webb, WA9AFM 737-6716 Sec: John Brassfield, N5SAM 685-8070 Treas: Mike Begley, N5VIT 732-2827 Editor: Tom Webb, WA9AFM 737-6716	16. Edmond Amateur Radio Club Meets: 1900L, 2nd Monday, Various Locations Pres: Mark Northcutt, WD5DYI 755-4672 VP: Wendell Cochran, WB5ISO 396-8224 Sec/Tr: Kay Northcutt, WD5DYJ 755-4672 Trustee: Dennis Orcutt, WB5ISN 340-0034
6. Altus Association Meets: 1930L, 2nd Thursday, North Main Fire Station (CD), Altus Pres: George Mayetko, AA1IJ VP: None Sec/Tr: Mike Brown, KC5AWB Editor:	18. Great Plains Amateur Radio Club Meets: 1415L, 1st Sunday, Home of N5LRR 2914 Osage Dr, Woodward Pres: Bob Bayles, WB5GAX 254-3561 VP: Andy Taylor, N5LRR 256-4017 Sec/Tr: Rod Ford, WB5OVT 923-7683 Editor: TR: Freida Patterson, N5EQX 256-2111
9. Wheatstraw Amateur Radio Club Meets: 1430L, 2nd Sunday, Location Varies Pres: Joe Hyatt, WA5GHK 375-3783 VP: Leo Peil, WZ5H 886-2998 Sec/Tr: Joe Garland, WA5FLT 893-2660 Editor: Ralph Wilder, WA5PFK 623-5421	Central Oklahoma Radio Amateurs Meets: 1930L, 4th Tuesday, Salvation Army Bldg N.W. 50th and Penn, OKC (BackDoor) Pres: Rick Masters, N5WNR VP: Kathy DeGraffenreid, AA5RU Sec: Jim Buswell, N5BEQ Treas: Tom Mangham, K5LDI 677-5291 Editor: Harold Miller, KB1ZQ 672-7735

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THE ZANY NEWS FREQUENCY

By JOE, WA5ZNF

Final Column

No, "Big Joe" didn't write this final "Zany News Frequency", "Little Joe" did. "Big Joe" is no longer with us.

Amateur radio lost a great friend July 28, 1994 when Joe K. Harding, WA5ZNF, passed away at the age of 81. There is probably no one in the central Oklahoma area who did more to promote amateur radio and promote cooperation between amateurs. His persistence in producing the CORA Collector and Emitter for 17 1/2 years contributed greatly to club intercommunications and quality of amateur radio operator's lives over the period.

I worked on the C&E with Joe as much as anyone -- except Bob Graham, WB5NSV, who computerized and maintained the E-mailing list -- and knew Joe well as a C&E coworker, and as a friend.

I first knew Joe when I was teaching an amateur radio class at the Aeronautical Center ARC in the late sixties or early seventies. Joe; Ray, WB5BTT; and I carpooled to the Aeronautical Center once a week for the classes, and I got to know both of the guys quite well. As most of you know, Joe had an interesting life. He served in the Army Air Corps during World War II, joining the service in September 1939, and was stationed on Wheeler Field when it was attacked by the Japanese. Joe was a photographer for the AAC, so when the noise started he jumped out of bed to go shoot pictures. Joe could give a vivid account of the happenings on that day.

Joe had other interests besides amateur radio. Many remember when he was an active motorcyclist, belonged to the Big Red Motorcycle Club, and rode his Honda Gold Wing all over the place. It was while Joe was still an active motorcyclist that he first suffered the congestive heart problem that was to ultimately take him from us.

During one ride -- I believe to visit Ray, WB5BTT -- Joe became disoriented and found himself not knowing how he got where he was. At that point, out of concern for his safety, he wisely abandoned motorcycle riding. Joe had other less risky interests anyway. Most don't know that Joe had quite a respectable model train setup and enjoyed working on the landscape and adding realism to his miniature railroad.

Early days of C&E production were a lot of fun. I had some technical publication experience so knew how to compose and paste-up pages. Joe had the technical expertise too. He had published a newspaper (and incidentally, ran a movie theater) in Sasakwa in the thirties. Authors would send Joe strips of columns and all those who were interested would meet once a month to paste up that month's issue. It was literally "paste up" in those days and Joe ritually supplied glue sticks that we used. In addition to composing the newsletters, Joe was quite adept at general management (He retired from a civil service Air Force Career as a Contracting Officer, a very responsible position). He wisely managed the C&E budget, and supplemented it with his own funds sometimes to improve its efficiency. At one point he even bought and refurbished an offset press to do the printing. He took the initiative to obtain the post office second class mailing permit that kept mailing costs low.

As technology changed, Joe (and I) changed with it to graduate from typewriters to computers to prepare C&E material. Joe never quite got the hang of electronic data transfer, but made extensive use of his little "COCO" to retype and prepare material for each issue. For many years the C&E won awards for its quality, losing points only for its intra-club format inconsistency. But, the C&E's format only reflected CORA's heterogeneous composition, and the C&E's charter.

Joe adopted a modified version of the New York Times motto, "All the news that's fit, we print". His motto was "All the news that fits, we print". (I believe Mike, N5MS, originated that one.) Joe published his last C&E in September 1992, after doing 211 issues.

Joe was born September 27, 1912 at Checotah, and married Frances around 1933. They had two children, Owen and Harriet. Joe loved Frances very much and when she died, he started losing his will to live. His tribute to her, reprinted below, was from the heart, and one of the most touching things I had ever read. I included it on this page, to symbolize my belief that he and Frances are happily together again.

I'll conclude my salute and goodbye to Joe by combining amateur radio and newspaper abbreviations: -- 73 -- 30 -- Joe, K5JB

Frances Marie Harding

I never expected to write this column, I figured that Frances would outlive me by at least 10 years, that someone would write my obituary and she would go on being a Red Cross Volunteer which she had been doing for 28 years -- but that was not the case.

After some 9 months of suffering from Lou Gehrig's disease and a host of other mishaps, Frances went to sleep the first of June to suffer no more.

She was a fine wife, mother, grandmother, homemaker and a lot of other things, and she will be missed by everyone.

For 175 issues, that's 16 years, she did her part in folding, inserting, sticking a label on the C&E, and when I was sick she even saw that it was mailed. That was until arthritis prevented her from helping.

It would take a lot of space to tell of the places she followed me during 20 years in the Air Force, from the Japanese attack on Wheeler Field before they went on to Pearl Harbor, to Offut A.F.B. in Nebraska, always assisting me, gosh how I miss her.

It was a wonderful 57 years of marriage. Nothing will be the same without her.

(Reprinted from July 1990 C&E)



VHF Club NEWS

W5LOW
Elmer Goekler Memorial
Station

Minutes of August Meeting

Will be published in next month's C&E. This issue is being composed before the meeting. We forgot to address the joint VHF Club/Aeronautical Center ARC watermelon feed at last month's meeting but President J, KB0QJ, and Treasurer Ellard, W5KE, along with someone from the Aeronautical Center Club salvaged the situation.

Next month I will try to report on the results of the watermelon seed spitting, etc.

Joe, K5JB, Sec'y

Joe McKinzey, Silent Key

One of our members, Joe F. McKinzey, W5YPN, passed away July 21, 1994 at the age of 88. I didn't know Joe, except from our socializing at the club meetings, but he certainly was a friendly guy, and an interesting conversationalist. I remember that he was quite knowledgeable about air-conditioning. We chatted about the old ammonia systems grocery stores used to use.

Joe enjoyed going to the horse races, and he was very active in his church, serving as a Sunday School teacher. I looked Joe up in the callbook to verify his age -- I had no idea he was as old as he was, but he was born November 5, 1905. He held an Advanced Class license, and undoubtedly had an interesting life. I wish I knew more so I could say more about him.

Joe, when you see that other Joe up there, say howdy for me. Joe, K5JB

IBM PC Comm Port Modification

Once an operator gets seriously into packet radio, he will eventually discover that he would like to have more serial input-output ports on his computer so he can do more than play glass teletype. Also, if the operator is seriously into packet radio, he will likely have started using the IBM-PC style of computer because most of the popular software is written for that computer. A

fully loaded PC can have two serial ports, referred to here as comm ports, and one would think that would be plenty. But if an operator starts playing with some of the more interesting things that he can do on packet radio, he can easily tie up both ports, leaving none for (possibly) a telephone modem, or, if using a graphical shell such as Windows, a mouse.

Norm, N0ELS, and Mike, WG5C, recently decided that two ports weren't enough and I originally prepared this as a message to them to tell them how to use a cheap comm card for two additional ports, making the total come up to four. Later, I posted this as a bulletin on the packet radio bulletin board network.

As it turned out, neither could do this modification because they couldn't find new comm cards having the required edge connectors to be modified. They bought high grade serial cards that were designed to be programmable without modification. I confirmed that comm cards of the necessary design are not readily available on the new equipment market, but I also verified that suitable cards are still available in the flea markets for the \$3.00 to \$5.00 price range. I have three computers that are using this modification scheme. For what it's worth, let's get on with it.

Briefly, here is the terminology I will use: I will call the PC serial I/O card a "comm card" and I'll call the edge connectors "contacts". IRQ is the term used for an interrupt request line in the PC. XT designs have eight (IRQ0 through IRQ7), AT designs have sixteen, the additional eight being available on the second (16 bit) slot on the AT bus. The comm cards we are considering for modification would have access only to the first eight IRQ lines. Addressing of comm ports is hexadecimal numbers of the form 0x2f8. I will use the commonly accepted names for "devices" (COM1, COM2, LPT1, etc.) on the PC.

See Figure 1 for orientation of the comm card edge connector (contact) numbering. Note that the contacts on the solder side are numbered 1 to 61, counting from the flange end, by odd numbers. Don't lose track of the

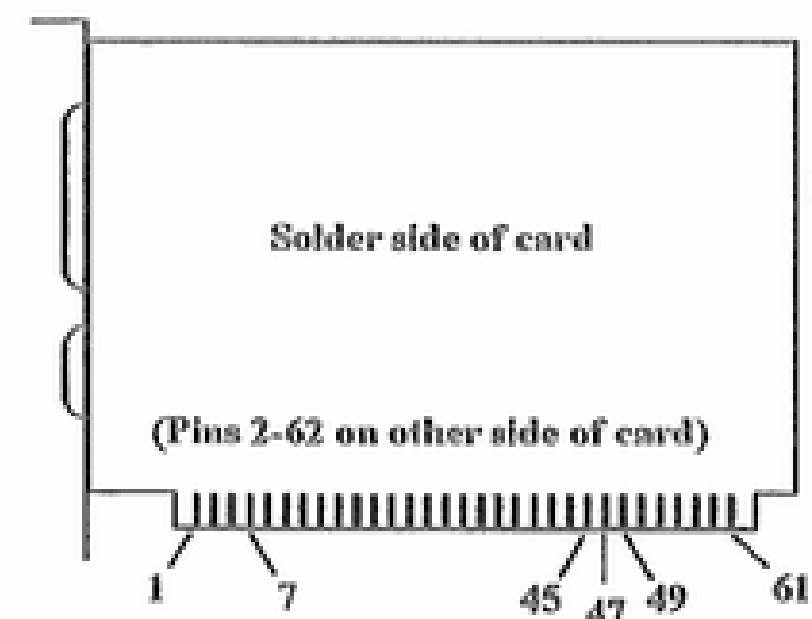


Fig. 1 IBM-PC Comm. Card Pin Numbers count, or use the third column in Table 1 to find your way around. (Note that pins 1 and 61, the first and last on this side, are ground. You should see traces from contacts 47 and 49. These are a couple we will play with.) Also, note that the comm card must have contacts leading to IRQs that you might want to use (contacts 7 and 45, the 4th and 23rd from the flange end, connect to IRQ2 and IRQ5, respectively.)

Here a table containing the IRQs, the contact number, the number of that contact counted from the flange on the solder side of the card, and what each IRQ is used for on an XT or an AT:

IRQ2	7	4	On AT, second 8259 interrupt controller
IRQ3	49	25	COM2
IRQ4	47	24	COM1
IRQ5	45	23	XT Hard drive, or ATLPT2
IRQ6	43	22	Floppy Drive
IRQ7	41	21	LPT1

Table 1 IRQ Assignments

Note from this list that you have different situations whether you are using the XT bus or the AT bus. For example, IRQ5 is unavailable to you on an XT since the hard drive uses it. Even though the AT uses IRQ2 for its second interrupt controller, I have never had a problem using it also for a comm card port. If you don't have a printer (or even maybe if you do) you can use IRQ7 for a comm port interrupt. Although IRQ7 is provided for the printer's use, it is seldom actually used. See if you can disconnect it from the printer I/O card and still print successfully. If so, then IRQ7 could be used for one of your COM ports, or for a specialty card like the DRSI packet modem card.

(IRQ0 and IRQ1, the timer and keyboard interrupts, are not listed because you normally wouldn't dink with them, though that is how hot keys and screen savers work.)

COM1 uses 0x3f8 for its address space and COM2 uses 0x2f8 as its address space. There is NO standard for COM3 and COM4 but most comm cards, if they are programmable, will likely assign 0x3e8 to COM3, and reuse IRQ4. They may assign 0x2e8 to COM4. One of my comm cards uses 0x3e0 for COM4. COM4 normally reuses IRQ3, the one normally used for COM2. This scheme for COM3 and COM4 is clearly a kludge because you can't use COM1 and COM3, or COM2 and COM4 simultaneously unless you use special software to deal with multiple ports sharing the same interrupt.

If you are adding a second comm card to a computer, you can set the jumpers on the comm card to use COM3 and COM4, and rewire the interrupts to something other than IRQ4 and IRQ3, respectively. Find the traces going to the edge connectors for IRQ4 and IRQ3 and cut them. With some fine (like wirewrap) wire, reattach the cut wires to edge connectors leading to the interrupt request lines you want to use. Be careful and solder to the very top of the edge connectors so your solder doesn't run down onto the contact surface. I have used IRQ5 on the AT (but not on the XT) because I never use LPT2. I have also used IRQ2 on both the AT and XT, though you would think there would be a possible conflict on an AT with the second interrupt controller, but it hasn't happened yet.

For example, run a wire from finger 7 (IRQ2) to the cut trace that originally went to finger 47 (IRQ4) and run a wire from finger 45 (IRQ5) to the cut trace that originally went to finger 49, (IRQ3) and you will now have the following setup:

COM1 0x3f8 IRQ4 (Provided by the other comm card)
COM2 0x2f8 IRQ3 (ditto)
COM3 0x3e8 IRQ2 (Probably address you will find)
COM4 0x2e8 IRQ5 (ditto, except see your documentation)

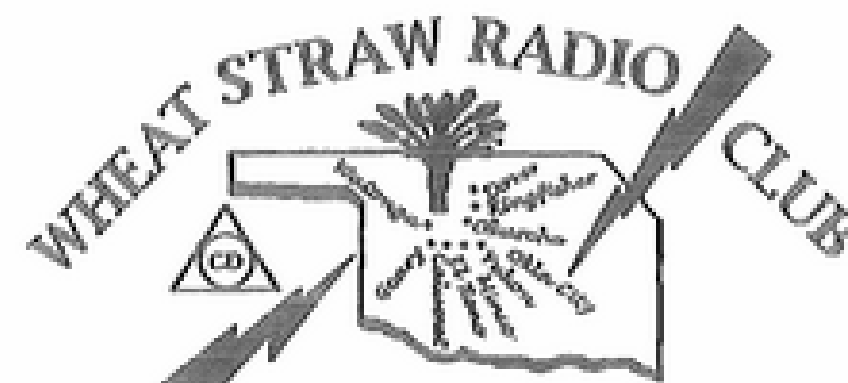
If you are using a serial mouse, you may have to use COM1 or COM2 with it, unless you have one of the later mouse driver versions that lets you select custom I/O addresses and IRQs, making it possible to put that mouse on your custom COM3 or COM4. If you are using your mouse with Windows, you will have to use COM1 or COM2 because that's all Windows' mouse driver knows about.

Incidentally, if you only use a mouse with Windows, don't load a mouse driver. It only wastes memory because Windows has its own mouse driver. Also, go to your control panel and check out the settings in both the ports and 386 enhanced areas. You can twiddle addresses, IRQs and how Windows treats the ports. If you are using a program that is designed to handle non standard COM3 and above, you may want to select the IRQ and address combination to match that program. NET and NOS (TCP/IP) can use any address and IRQ so it is not a factor. Just tell either of these programs in the attach asy command which address and IRQ to use. Norm, N0ELS, tells me that his Pkgold program can likewise use custom address and IRQ setups.

There are some more exotic things that can be done to enable more ports without having more interrupts. There are drivers (programs that reside in memory, e.g. combios, mbbios) that can work with shared interrupts, and the method that worked with the older PC-AT hardware was to just connect the interrupts together with diodes. This worked until the latest generation of large scale integrated PC AT mother boards arrived. These boards apparently don't have drive capability on their IRQ lines to handle the multiply connected IRQ lines on async devices. When I put together my latest 80386 computer for the hamshack I found that the four port card with diode or'd IRQ lines no longer worked. I had to fall back and start using IRQ5 and IRQ2 for the two extra ports, and settle for a maximum of four ports. There are some after market cards made to work under these conditions, but I haven't located any yet.

That's all there is to it. Enjoy!

Joe, K5JB



Wheat Straw This Month

Ralph, WA5PFK, notified me that the Wheat Straw ARC wouldn't be having a formal meeting this month, so he wouldn't be making a C&E submission. However, the club will be having a dinner meeting at Canton Lake. It is just as well that Ralph isn't submitting anything this month because the C&E deadline is too short to make it for next month's publication.

I just hated to let a month go by without seeing that beautiful Wheat Straw logo, so there it is!
Joe, K5JB

Altus This Month

I don't have a logo for the Altus Area ARC, but I will mention that one of the reasons we haven't received anything from them is lightning. Well, sorta because of lightning, which did in fact interrupt the communication channels we were using.

Mike, KC5AWB, had just worked out the process of uploading his material to the WB5MJS packet radio BBS in Altus, which forwarded it to me. I, in turn, forwarded it to the C&E Editor. Somewhere between Altus and Duncan a packet networking device took a hit and the forwarding between WB5MJS BBS and WD0AJG BBS has come to a halting screech.

Yeah, I know, Mike could mail the stuff to us, but I wanted an excuse to lead into a subject that concerns me about the packet "network", which is crumbling into oblivion.

Many of the current packet operators seem to assume that those devices were provided free, have no idea who put them on the air, and don't know what they really are. The technically competent people who put those things on the air at their own expense are getting tired of messing with them and are simply letting them crap out. I *don't* know what to do about it! *Do you?*

Joe, K5JB

E. A. R. S. NEWS

Edmond Amateur Radio Society
Edmond, OK

Greetings ! Hope the near-end of summer activities is going your way. How far are we away from the North wind, shorter days and better attitudes for us all ? Here is wishing you blue skies, a mountain breeze and a good dx contact.

Child Search

In the last EARS installment I got so taken with Field Day 1994 that the child search and EARS contribution was necessarily delayed till now. On June 22, during a Board meeting, a 911 dispatcher drifted into to request EARS response to two children being lost in NW OK County. Her request was on behalf of the Edm Police Dep't. We quickly wrapped up Board matters (understated) and rolled toward the staging area being mentored for EARS purposes, by Gloria, KB5BGM. Approximately 20 EARS components showed up to lend their flashlights, talkies, strong legs, heat resistance and patience to the search process.

The multitude of law enforcement agencies and media made for quite a mass of available resources which took major coordination before we could get to the task-at-hand. Our club member, Gary Moore, KB5UKS, and Edmond City Councilman, interfaced EARS with the law enforcement entities to ensure our resources were provided consistent with our strengths. We were divided into two teams and hopped into the pick-up trucks to be taken to a place that Dorothy knew was not anywhere close to KS. Each of our units was headed by a county sheriff representative who maintained radio contact with the staging area hosses. We climbed up and over a fence and briefly through dense brush and around a creek being closely guided by our c.s. unit who held our assistance and safety in high esteem.

Pretty soon we were directed to load back up and return to the staging area as new

information revealed the youth were reported to be in the opposite direction to where we were looking. The air blowing on us during the trip back to the launch site was mighty nice but not as good as the cold water shared by Richard, KG5QU. Toni-thanks for your patience in waiting on us and congrats on getting your call sign. After standing around for a while and watching the NBA finals on Broadcast media monitors we were instructed to disband and head-on-to-da-house as the youth find was under control. We got in our push-cots and got home by midnight with a sense of pride by being of immediate help in such strong quality strength.

Board Meeting

On July 13th the EARS Board met at the Edmond EOC with the following members present:

Lee Vaughn, KA5WIS
John Thomason, WB5SYT
Sue Snider, N5VWI
Kay Sage, KB5LDO
Richard Winnard, KJ5QU

The following Board members were AWOL:

Brad Kiespert, KG5UK
Ken Stepp, N5DBM
Mike Mize, KB5BIX

Club members at the Board meeting were, Edith Vaughn, KA5YPX, Ken Snider, N5TWC, and Pat Gray, N5SGV.

The treasurer report noted income in the last month and usual expenses. Total membership in EARS is now 96. Sue, thanks for your continued effort in keeping up with these figures. Major expenses were telephone and east link.

Dollar amounts were edited from this article.

The Editor

The east link installation is complete and operational with minor adjustments expected. Hal Miller, KB1ZQ, is now editor of the *C&E* and has made contact with EARS to facilitate timely article submission and publication. The Board was advised of Hal's eagerness and positive approach to the *C&E*.

A review of Field Day and the Fourth of July activities was held with upbeat feelings about EARS contribution to both activities but the need to communicate with club members earlier about Field Day preparation. The Board members telephone survey of club members, just prior to FD, was discussed. The major items of concern to club members included inactivity on the repeater and the need to make the club station a regular part of club activities.

Other items discussed were the club handling registration for Ham Holiday '94, the Yaesu 757 being sent in for repair due to sensitivity problems, the inventory report and plans for CROP WALK '94. We decided to send an expression of appreciation to Sue and Ken's friends who have supplied, without cost to EARS, hamburger patties and buns, for the last two years FD cookout.

Club Meeting

EARS had a goat roping, I mean club meeting, on July 17th at St. John's with about 20 members in attendance to review club activities, as was presented at the Board meeting. The idea of an antenna party, to be held in the Fall was discussed. This inspiration was well received by club members and an idea for a wire beam was suggested. There is the possibility that a certain club member, who lives in North Edmond may host one of the antenna parties in exchange for antenna refurbishing and a little yard work. He agreed to furnish the gasoline for your lawn mower and will supply drinking water of modicum proportions upon completion of the yard work.

Clarence (KB5RR) presented a bit of his chalk talk on his idea for preparing a club roster in alphabetical arrangement by call sign suffix. Club support for the project was of a lofty level so Clarence agreed to run (actually walk) with the task. The rolodex type arrangement appears so logical I am surprised more of us hadn't thought of this (not really). Frank (AA5GI), discussed his thought for checking the feasibility of placing the club station in a school setting to assist students in acquiring insight into the

E. A.R. S. (Con't)

world about them. Perhaps, this is where the expression Tune in the World originates. He agreed to keep us informed of the progress with his brain storm.

The Monday night net at 8:00 pm continues as regular as clock work as this gives all of us a regular forum for amateur radio related topics to be shared among all interested individuals. I would like to recognize these folk for bringing traffic to the net on 8-8-94:

Opal-KB5BUK- Birthday
Announcements
Dee- WD5FHR- Equipment
Dispersal of NM5U
Richard-KJ5QU- VE Tests,
Hamfests
Lee-KA5WIS- Board Meeting
Schedule

We must acknowledge the passing of Reo Nicar, NM5U, and Joe Harding, WA5ZNF. They were both solid caring amateurs who enjoyed ham radio and gave greatly to the rest of us. Joe for many years edited the *C&E* in a quiet-punctual manner while giving the rest of us a flick of the hat and touch of the heart for the families of these fellows who have joined the silent key assemblage.

Upcoming Attractions:

Board Meeting- Wednesday Aug. 17th
7:00 pm EOC
Dinner Meeting- Friday Aug. 19th
Johnnie's Charcoal Broiler
2652 West Britton Rd
OKC- 6:30 pm

73, John, WB5SYT

C. A. R. S. NEWS

The regular meeting was held on 4 August 1994, with five members present. Discussion was on Ham Holiday #21. Members attending the hamfest were pleased with what they saw.

The repeaters are up and on the air, with some further minor work to be done on them.

Passed by Kenneth, KB5SOM

C. O. R. A.

Central Oklahoma Radio Amateurs, Inc.

Minutes of the 28 June Meeting:

The meeting was called to order at 7:38 p.m. with President Rick, N5WNR, in the chair and the following Directors and Guests representing 5 of the 11 supporting member clubs present:

VHF - Ellard W. Foster, W5KE
W. Chase Greene, WA5JGU
Bob Ashby, W5HXL

MORI - Elizabeth Edward, KC5GLP
Scott Walsh, N5NYS
Jim Buswell, N5BEQ

OCAPA - Clarence Supplee, W5LDF
Harold Miller, KB1ZQ
John Guida, NJ1V

SCARS - Mike Winkel, N5SOF
Louis Kennedy, KC5ABI
Donald Schader, KI5TP

EARS - Lee Vaughn, KA5WIS
Treasurer - Tom Mangham, K5LDI
Visitors/Alternates Chuck Wilhite, K5NK
Jerry Sproul, KJ5KP
John Brassfield, N5SAM

The minutes of the previous meeting were accepted as corrected to indicate the proper name of N5SAM to be John, not Jerry.* The treasurers report was accepted as distributed.

Reports: *C&E* - the 4,000+ copies for the June issue were in attendance awaiting the boards assembling.
VEC - Chuck, K5NK reported for the VEC 3 applicants passed 4 elements, but not any CW.

Old Business:

Committees for Ham Holiday #21 (HH21) 29-31 July 1994

Publicity - Scott, N5NYS has the Big Issue, flyers went to Dallas.

Facility - John, N5SAM; Tom, K5LDI; and Don, KI5TP will coordinate.

Programs - Lee, KA5WIS had NOAA's request for a WX period.

Dealers/Awards - John, N5SAM has 7 empty tables, needs input for Grand / Pre-registration awards suggestions.

Pre-registration - Jerry, KJ5KP reports 124 with 8 banquets.

Registration - waiting, assumed ready; Tom, K5LDI will acquire a return stamp.

Flea Market - Don, KI5TP will require entry security volunteers.

Talk - In - waiting, assumed ready.

Security - Phil, N5HIP will be reminded between now and then.

Scholarship - Jim, N5BEQ has the artwork done, ready to buy cost effective fund raising T-shirts.

Banquet - Jim, N5BEQ will contact Frank, AA5GI for info on cheap tables and chairs for the Shepherd Mall site.

Breakfast - QCWA.

New Business:

Hal, KB1ZQ volunteered to serve as *C&E* editor.

The next meeting is scheduled for 26 Jul 94 at the usual time, place. This meeting was adjourned at 8:20 p.m. to mail the *C&E*.

Jim, N5BEQ
Secretary

* Last month's edition had the correction already entered *The Editor*

**WHAT YOU SEE,
IS WHAT I GET**

If you do not see an article from your club in the *C&E*, it is because no one from your club sent in an article. I have personally called all of the clubs in CORA for the second month straight, asking for articles. Maybe as a member of a club that does not have an article, you can find out why one was not sent to me.

To date I have not been given anything I feel cannot be printed. If it is sent to me I will publish it, with as little editing as possible.

To get articles or comments to me send them to me at: 4216 Spiva Drive Del City, OK 73115 or to KB1ZQ @ K5JB or KB1ZQ @ K2GKK-4. I regularly check both boards for messages. So folks get your pens going and let us know what is going on in your club.

The Editor

Central Oklahoma Radio Amateurs, Inc

HAM HOLIDAY #21 29-31 JULY 94 REPORT

BANQUET-6:00 p.m., Saturday, 30 July, 23 persons, no program:

PRE-REGISTRANT AWARD: #1635, KA5CLI, Cebrun Mayse, IC-281H; FREE Pre-Registration for HH22 (1995) # 1286, Jim Jones, K5PER.

DOOR-PRIZE WINNERS:

Saturday:

Jim Hood WV5S # 1142 - Repeater Directory

Bill Blom N5NDS # 1039 - ARRL Antenna Handbook

W.M.Howard KA5HEM # 2415 - "First Steps To Amateur Radio"

Margaret Fish WA5RLP # 1383 - ARRL "Handbook"

Jack Iman WB5SVN # 1427 - "Hints and Kinks"

Sunday:

Harry Holzman N5KLU # 1176 - MFJ Mug:

NOT CLAIMED:

2023 - Truman Stiner WB5MRE; # 1474 - Eric Fox KC5CAJ;

2605 - Grace Donaldson; # 1335 - Dick Stricker K5HEL and

2209 - Harvey V. Morrison KC5ICT.

GRAND AWARDS CEREMONY began with a EULOGY of C&E's Editor Emeritus Joe Harding WA5ZNF (SK) by CORA Past President Frank Tassone AA5GI. EARS' Bertha T. Watson Memorial Scholarship = John Arnold. OCAPA's Leonard Hanstein MemoScholarship = Jenny M. Thies. CORA's Scholarships= Kurt Duggins KB5YGO and Toni Hernandez KJ5NF.

WINNERS:

SCHOLARSHIP RAFFLE: # 166953 - Larry Arnold, Edmond: \$200 gift Certificate

2067	Colton Beck	n-o-n-e, misc . supplies
2364	Bill Frankowski	KF8AZ, CD Disc Rack
1048	Lester Yates	KJ5SH, Soundblaster card, speakers
1365	Mike Brown	WG5C mug, battery pack
1077	Bruce Brown	KI5TE antenna
1417	Elizabeth Edwards	KC5GLP antenna book
2513	Earl Claus	KB2LWS meter
2311	R.K.Allen	n-o-n-e antenna
2417	Phil Wolfenbarger	N5HIP arrestor, Wireman II
1046	George Gillespie	NX5F antenna switch
1522	Anita Bates	N5OJK antenna switch
2479	Herb McBride	KF0WT Ford P.U. antenna mount
1181	Frank Phillips	AB5J rubber duck, remote mic.
1592	Johnny Mealer	KJ5WR frequency counter
1363	Ralph Schubert	WA5UFV wall clock
1330	Randy Mullinix	WB5ERN antenna
1575	Marie Harris	KC5HKB dummy load
1416	Bill Edwards	NW5M power supply
1114	Bill Baker	N5UMH misc. supplies
1635	Cebrun Mayse	KA5CLI mouse, wrist strap
2103	Debbie VanLandingham	n-o-n-e antenna

2476	Bob Lebund	W2HK antenna
2314	Dave Clementis	KC5DDP battery pack
2718	Tina Allen	n-o-n-e antenna
1117	Ernest Buck	WB5CDW meter
2464	R.L.Ridenour	WB5RWN SAM Database
1068	Lorne Stewart	K5DSR coax, connectors
1508	Larry Jordan	KC5DCU log book
1348	James Nightwalker	KB5IJL logbook
1234	Mary Wells	KB5FOR antenna
1033	Jewell Mahaney	K5IXR meter
2379	Mike Wiley	WB5GMK solder, iron
2326	Arnie Oberson	W2OB coax, balun
1190	Elaine Halle	n-o-n-e mug, TNC, book
1064	Leland Black	W5MCN mug, TNC Book
1427	Jack Iman	WB5SVN antenna
1472	Kathy DeGraffenreid	AA5RU joystick, I/O card
1130	Garnet Foster	n-o-n-e books
2292	Fred Van Pelt	KC5CMY lightning suppressor
1488	Shelah White	n-o-n-e code disk, antenna
2684	Charles Barnett	KC5GOZ meter
1299	Norman Deemer	WA5HPJ battery pack
2698	Travis Brown	n-o-n-e miscellaneous
1498	Helen Arnold	n-o-n-e book, antenna
1289	Merle McKean	KB5QEF miscellaneous
1131	Lee Vaughn	KA5WIS W5YI Report, ant book
2047	Marvin Phelps	WB5DXZ key kit, book, hamfest entry
2210	Dave Kitley	AA5OI mug, bty. pack, bmrpr
1502	Clarence Dollmyer	KB5RR antenna
1580	Terrence Quinn	KG5CF keyer, paddle, mouse catcher
1309	Dolph Grolock	KB2AW frequency counter
1294	Stanley Stephens	WA6SKD antenna
1178	David Combs	W5VJW counter
1613	J.E.Little	KC5GDE antenna
1588	Dale Town	KJ5WP antenna
1339	C.R.Baker	KC5CYI Bugcatcher

Youngest Hams: Mignon Sims KC5HJU and Brian Kiespert KB5ODR

Oldest Ham: Leo Peil WZ5H Chev. P.U. antenna mount
 Oldest Codeless Licensee: Vallie McCain, KC5AHX, code sender
 Oldest Licensee: Harry Holzman, N5KLU, miscellaneous
 UN-Licensed: Cheryl Jenks and Tim Wofford; starter books

Second Place:

1225 Bob Kremer WA9FCT Personal Computer

Grand Award:

1386 Ed Walker KC5EBK ICOM's IC-737 A

FOUND: Kenwood battery pack for old style handheld, identify to claim;

LOST: ticket # 2593, Steve Guinn N5OLX (twice);

ATTENDANCE: 1,350 + (642 Advance), down 85 from HH20.

Jim, N5BEQ
 Secretary

O. C. A. P. A. NEWS

Minutes of the OCAPA July 19, 1994 meeting:

The meeting was called to order by Brad KJ0W at 7:30pm.

The minutes of the last meeting were read by John N5SAM, seconded and passed. Treasurers report was read by Mike N5VIT, seconded and accepted.

OLD BUSINESS:

TECHNICAL COMMITTEE - Mike N5VIT reports repairs to phone lines will be repaired as soon as possible.

CORA - Hal KB1ZQ is the new *C&E* editor and ask for articles for the *C&E*.

SCHOLARSHIP COMMITTEE - Larry KF5JN announced the selected recipient of the OCAPA scholarship as Jenny Thies (Del City) and the presentation at Ham Holiday #21.

SALVATION ARMY - Frank N5FM requested help in operation of the station at Salvation Army Headquarters on the 2nd Saturday of the month. Contact Frank by 7:30 am if you can help.

FIELD DAY COMMITTEE - Discussion about problems with field day, among them are: a tower in the driveway, need for more set-up & take down help, a template for tower layout, and coordination between stations.

MOTION - that OCAPA not purchase alcoholic beverage for club activities. Seconded and accepted.

NEW BUSINESS:

John NJ1V, Loyd AB5I and Hal KB1ZQ were appointed as the nominating committee.

KB1ZQ requested a letter thanking the 33d Combat Communications Squadron for the use of the equipment at the OCAPA field day.

Several special event stations are on the air in celebration of the 25th anniversary of the first landing on the moon.

During the ARES net on Thursday evenings on the 146.82 machine, there is also a packet check-in on 145.07 to KC5DRI.

ATTENDANCE 37

Meeting adjourned at 9:10pm

John, N5SAM
Secretary

OCAPA SCHOLARSHIP

Jenny M. Thies, a recent graduate of Del City Senior High School, was selected as the first recipient of the annual "Leonard Hanstein Scholarship" sponsored by the Oklahoma City Autopatch Association. The \$500 scholarship was formally presented to Jenny at Ham Holiday #21.

Ms. Thies was selected from a field of over 50 applicants. She graduated eighth in a class of 398 and was honored as class Valedictorian. As an honors student, she accrued a Grade Point Average of 4.5 with grades of "A" throughout her entire high school career. She is also very active in school, church and community activities. To quote Ms. Pam Sparks, a counselor at Del City High, "Jenny Thies is one of the most outstanding students I have known in my 24 years as an educator."

Jenny plans to attend Oklahoma State University. Although she has not selected a specific major, science, especially biology, has her attention. She has strong interest in a career in Physical Therapy.

Leonard Hanstein, W5MEL, led a colorful life with a variety of professions including television personality, photo-journalist, and carnival barker. However, the profession he loved most was teaching. During his thirty-plus years in the classroom, many civic and business leaders in Oklahoma City were influenced by this unique gentleman. Thus, the OCAPA membership decided there was

no better way to honor Leonard's memory than with an annual scholarship awarded to a graduating high school senior.

Sustaining funds for the scholarship will be raised by OCAPA, but all who knew, loved, and appreciated Leonard Hanstein, W5MEL, are invited to contribute.

Tom, WA9AFM

-----ANNOUNCEMENTS-----

VE exams on 3rd Monday of each month sponsored by C.O.R.A. 1800 @ Salvation Army HQ at NW 50th and N. Penn, Oklahoma City.

VE exams on 3rd Saturday of each month are held at 0900 in Math Science building at Rose State College in Midwest City.

VE exams on 1st Sunday of each month sponsored by M.O.R.I. 1400 @ radio station KOMA, 820 SW 4th Street, Moore, OK

VE exams on 4th Tuesday of each month are held at 1900 in the B.E. Cantrell Field House at Bethel Acres School near Shawnee.

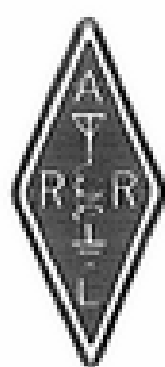
VE exams on 2nd Saturday of each month sponsored by SCARS are held at 1000 at Red Cross in Norman.

Hams on the Southeast side of Oklahoma City meet at various locations for lunch on Tuesdays from 11:00 - 12:00 a.m., to find out where they meet listen to 146.22/82.

Hams from all over Oklahoma City meet at various locations for lunch on Thursdays at 11:00 a.m., to find the lunch location of the day listen to 146.22/82.

Hams from around the central Oklahoma area meet Fridays at 7:00 for supper, coffee, friendship and overall story telling at the Skyline Restaurant on 15th and Eastern in Oklahoma City.

MORI sponsors a transmitter hunt each week, alternating between north and south Oklahoma City at 7:00 p.m.. The hunt frequency is 147.470MHz. Check on the 146.07/67 machine for the hunt announcement.



A. R. R. L. Bulletins

From: ARRL Headquarters
Newington, CT

Special Bulletin 23

Marconi Widow Dies

The widow of Guglielmo Marconi has died. The Marchesa M. Cristina Bezzi Scali died July 15, 1994, at age 94.

The two were married in 1927. Marconi lived another 10 years, dying in 1937 at age 63.

The couple had a daughter, Elettra, who was baptized by Cardinal Eugeni Pacelli, who would later become Pope Pius XII. Elettra's godmother was Elena di Savoia, Queen of Italy.

According to Pat Ciancarini, 10KHP, Elettra will continue the family's work in preparing for "1995, Year of Guglielmo Marconi," the centennial celebration of Marconi's first wireless telegraph.

The funeral was held July 18. Among those attending were several bishops from the Sovereign Military Order of Malta.

Special Bulletin 24

FAR scholarships awarded

The Maryland-based foundation for Amateur Radio has announced the 1994 winners of the 50 college scholarships that it administers. The top, \$2000 winner was Extra Class licensee Craig A. Gullickson, KC6CEX, 20, of Fresno, California.

Awarded a \$1200 scholarship was 17-year-old Stefnee Lindberg, N0ONP, of Kansas City, Missouri, an Advanced class licensee.

20 students received scholarships of \$1000.

These scholarships are open to all radio amateurs meeting the qualifications and residence requirements of the various sponsors. The non-profit Foundation represents more than 50 clubs in Maryland, northern Virginia, and the District of Columbia.

For more information and application forms for 1995 scholarships contact FAR, 6903 Rhode Island Avenue, College Park, MD 20740.

Special Bulletin 25

Team championship planned

Amateurs in the Washington, DC area have announced an ambitious plan to sponsor a second World Radiosport Team Championship in July, 1995. It would be patterned after the WRTC held in Seattle in 1990 in conjunction with the 1990 Goodwill Games. This time, instead of being a "stand-alone" radio event, "WRTC 95" would be held within the IARU HF World Championship contest held annually in July.

The Potomac Valley Radio Club (PVRC) will lead the organization of WRTC-95, and expects many other clubs and individuals in the Washington-Baltimore area to help. The PVRC is dedicating the event to Len Chertok W3GRF, who died in 1994 after a distinguished career as a contester as well as an Elmer.

As in 1990, the competitors will be two-person teams. This time, both members of a team must live in the same ITU zone. The administrators will accept applications from interested competitors, both individuals and teams, until December 31, 1994. The administrators will then evaluate the applications and name a team for each ITU zone from which an application has been received.

In the same manner as WRTC 90, local amateurs will open their stations to the teams; some 50 in the Washington area are anticipated to be needed. Selected teams and alternate operators will be notified by the Administration in the spring of 1995. The organizers also hope to be able to accommodate alternate teams

and additional zone teams in some manner.

Each team will enter the multi-single mixed mode class of the IARU contest and will follow all contest rules. The stations will be chosen to have similar equipment and antennas, as in Seattle. This time, a PacketCluster connection will be available at each WRTC QTH for full use, and computer logging will be required. Also as in Seattle, teams will be assigned stations at random, after their arrival in the DC area, and call signs will be assigned shortly before the 24-hour contest begins.

Co-chairmen for WRTC 95 are Eric L. Scace, K3NA, and Howard Leake, W6AXX (/3). The administrative office is in care of Hayman Systems, 14700 Sweitzer Lane, Laurel, MD 20707-5905 (fax: 301-470-1580).

ARRL Bulletin 65

FCC to Reorganize

The FCC has proposed to reorganize several of its bureaus and offices. A new wireless Telecommunications Bureau is to have as a deputy chief Ralph Haller, who currently is Chief of the Private Radio Bureau and is well known to amateurs.

Richard M. Smith, now head of the Field Operations Bureau, is to be chief of a new Office of Engineering and Technology.

Beverly Baker, who is now deputy chief of the Private Radio Bureau, is to become chief of the Field Operations Bureau.

FCC Chairman Reed Hundt said, in announcing the proposed reorganization that wireless and international were the areas calling for the "biggest changes." He said that personal communications systems and other emerging technologies made a Wireless Bureau necessary.

Hundt said that an International Bureau "will better meet the challenges ahead as the FCC continues its role in international telecommunications, working with the Department of State and National Telecommunications and Information Administration (NTIA) in the promotion of the Global Information Infrastructure." Scott Blake Harris is to be chief of the new International Bureau. He currently is the

Newsline

courtesy of NEWSLINE, your amateur radio information service. Edited for the *Collector & Emitter* by Thomas Webb, WA9AFM.

ALABAMA USER ORDERED OFF REPEATER

In what's believed to be only the third case of its kind, the trustee of an amateur radio repeater has ORDERED another ham OFF the frequency. This happened first in Southern California. Now, a similar case surfaces in Alabama.

The owner of a 2-meter repeater accuses one user of allegedly transmitting harassing and racially offensive communications. The user says he's the victim of politics.

Repeater owner Lester Crane, WA4CYA, is taking the action against Jeff Campbell, WA4ZVG, who's actions were driving other users off the repeater.

In a June 13th certified letter, Crane quotes FCC Rule section 97.205 E, which permits limiting the use of a repeater to only certain user stations.

Crane has forwarded a copy of the letter to the FCC. Campbell is believed to be the fourth amateur radio operator ordered off a ham repeater by a trustee using FCC rule 97.205 E.

An earlier incident involved the Claremont Amateur Repeater Association in Southern California. In two separate cases, CLARA successfully took similar action against three hams accused of harassment.

On February 1, 1994, an important interpretation of 97.205E came from FCC Personal Radio Branch Chief John B. Johnston, W3BE. Johnston issued the interpretation to attorney Sid Radus, N6OMS as part of the legal fight Clara was waging against Tim Seawolf, KJ5KE.

Johnston says rule 97.205 E -- without qualification -- permits a repeater licensee

to limit use of the system to certain user stations, and to exclude anyone else.

It's too early to say whether or not a trend is developing to ban unwanted users from repeaters. But one thing is certain. The Johnston letter and court findings in California are having a definite impact on FM and repeater operation in Alabama, and probably nationwide.

REALLOCATION OF MICROWAVE SPECTRUM

The proposed reallocation of 35 MHz of spectrum in the 2300 MHz band goes against the will of Congress that existing and future amateur uses of assigned spectrum must be protected. So says the American Radio Relay League in comments filed to the FCC June 15th.

The comments were in response to an FCC Notice of Inquiry released on May 4th. The NOI asks for information from potential applicants for use of the spectrum at 2300 to 2310 MHz, 2390 to 2400 MHz and 2402 to 2417 MHz. Amateurs currently share 2300 to 2310 MHz and 2390 to 2417 MHz with US government users. The transfer of spectrum from federal government to private sector use is required by the 1993 Omnibus Budget Reconciliation Act. But the same congressional mandate also requires the needs of amateurs be taken into account.

STOLEN RADIO EQUIPMENT SEIZED

An interference investigation by the FCC's Boston Office last year recently led police to stolen radio equipment valued at \$40,000.

In May, 1993, the FCC investigated an interference complaint from a McDonald's restaurant in Westwood, Massachusetts. The FCC was able to identify a suspect, but not prove deliberate interference with food orders as they were given.

Similar interference complaints made by the nearby Concord Police Department led

the FCC to inspect the suspect's home. The commission investigators informed police they found equipment capable of jamming police signals, as well as piles of equipment reported missing from the Metropolitan Boston Transit Authority. Police obtained a search warrant, seized the goods and took at least one suspect into custody.

MARSHALS COMMUNICATE UNDER THE WEATHER

When agents of the U.S. Marshals office in Nashville, Tennessee complained to the FCC they were having difficulty communicating because of constant weather reports being heard over their communications, the agency's Atlanta Office took to the streets to locate the offending device.

They soon discovered a transmitter licensed in the Marine Coastal Service was transmitting continuously and its signal was mixing with a weather bureau transmitter located on a nearby building. The fix? The signal mix was so severe the marine transmitter was taken out of service by the licensee.

RUSSIAN AID TO RWANDA

A Russian Amateur Radio Emergency Service team is using ham radio to provide humanitarian assistance in Rwanda. RW3AH who serves as Russian ARES Chief Coordinator in Tanzania told the Ohio Penn DX newsletter the R3ARES headquarters club station of the Russian ARES has moved with a government rescue team to Tanzania from their recent operation in the former Yugoslavia.

The rescue team is from the Russian Ministry of Emergency Situations. It is providing humanitarian United Nations aid for Rwandan refugees in Tanzania.

This ham radio station is only active daily during the regularly scheduled Emergency Relief Net on 14.292 MHz at 07:00 UTC.

Please listen carefully to avoid accidentally QRMing this important life saving communications.

Newsline (Con't)

DXCC FIELD CHECKING

In DX, the ARRL says its DXCC Field Checking program has generally been a success with about 400 certified volunteers at work.

However, there have been problems in two areas; submissions of QSLs for countries not eligible for field checking; and applications in which the call sign and DXCC country do not correlate. The latter are countries which are eligible for field checking as noted in the League's DXCC Countries List.

The league says these errors are caught at headquarters, but they slow down the entire DXCC processing system.

ILLEGAL BROADCAST IN PUNA

From Hawaii comes word that the Honolulu FCC Office has busted another unlicensed broadcaster. This, after it received a fax of an advertisement for "Masters of the Symphony," broadcast by Classical Radio Puna on 89.9 MHz. Puna is an area on the Big Island of Hawaii south of Hilo. The flyer indicated the station operated on weekends from 8 PM to midnight.

Since there is no FCC authorization for an FM broadcast station on 89.9 MHz in Hawaii, Honolulu agents John Raymond and Jeffrey Guerpo traveled to the Big Island and located the pirate broadcast station in a residence in Hawaiian Paradise Park. This rural subdivision in the Puna district has over 130 miles of unpaved roads, no street lighting, and no mail delivery.

The station operator turned out to be a retired and disabled individual who readily admitted to operating the station without authorization. In fact, he told the agents God had revealed to him that his life mission was to make classical music available to unserved communities. After giving the matter careful consideration and in view of the alleged offenders

medical and financial status, issuance of a Notice of Apparent Liability was not deemed worthwhile.

The unnamed subject later indicated to the FCC he had thought again about what he had been doing. After considering the matter he sent the FM transmitter to South America to be used by his missionary friend. The Honolulu FCC office has not received any reports of further activity by Classical Radio Puna since then.

MORE TESTING FRAUD ANNOUNCED

California is not the only place where ham radio testing fraud has occurred. Government investigators have cracked two other licensing cheating cases. In a Texas incident, a non-ham actually assumed the identity of a deceased radio amateur to certify test results for applicants who never even attended a test session. In that case the Contact VE (the person who sets up test sessions in a given region) has already surrendered his license to the FCC. Twenty four applicants at the test session had their fraudulently obtained licenses canceled as well.

Also, a Technician Class ham in Kansas has had his license suspended for a year after the FCC found he tried to bribe a Volunteer Examination Coordinator to obtain an upgrade. The FCC has not released this hams call sign or name.

PRESIDENT CLINTON JAMMED IN ITALY

Radio communications for a Naples, Italy motorcade for President Bill Clinton was maliciously jammed. According to news reports, the incident occurred when President Clinton arrived for the Group of Seven summit in the port city of Naples on Thursday night July 7th.

The Italian news agency ANSA quoted police sources as saying while Clinton's motorcade was traveling from the airport to his waterfront hotel, an unknown voice repeatedly broke into police radio communications with what it authorities called "vulgar expressions."

Sources said the jammer interrupted communications between Italian and U.S. security agents to express views on the Americans and the police. No details of the insults was given but the news agency noted that Clinton did not hear them. Naples authorities also admit they have little or no hope of finding the foul mouthed jammer.

CHECK YOUR LICENSE DATE

The American Radio Relay League advises amateurs receiving new or modified FCC licenses dated June 8th or later should carefully note their expiration date. This is because only new, first licenses or specific renewals now carry a full 10-year term. With new computer software recently installed, the FCC is now processing amateur permits similar to all other Private Radio Service licenses. As a result, Amateur license upgrades, changes of address, call sign, or name changes are processed with the original expiration date intact. That is, they are not automatically extended for another 10 years as has been the case in years past.

The FCC currently recommends that amateurs submit license renewal applications 60 to 90 days before their expiration date. The Commission says it intends eventually to mail license expiration notices to amateurs but that program is not yet in place. In the meantime, the ARRL is sending license expiration notices to its members, along with an FCC Form 610 and a return envelope to the FCC's licensing division in Gettysburg, Pennsylvania.

The W5YI VEC is doing the same for the general ham public but does charge a nominal fee for filing paperwork back to the FCC.

This was reported last month in the C&E in the ARRL bulletin. Please keep in mind your expiration dates, don't want anyone to end up with a fine for illegal ops

The Editor

NEWSLINE (Con't)

PETER I VIDEO

Another new ham radio video on DXing has been announced. "Journey to Peter I Island: Close to the Edge" is a 30 minute documentary on this dangerous and exciting DXpedition through the Falkland Islands, the Drake Passage and onto Peter I Island. The video shows enormous icebergs, animal and marine life, massive Antarctic storms and how the DXpedition team was able to make almost 60,000 QSOs. The documentary was produced professionally from 12 hours of videotape shot by Terry Dubson, W6MHB. A donation to obtain the show is required. Those that are interested in this documentary can contact Jerry Branson, AA6BB, 93787 Dorsey Lane, Junction City, Oregon, 97448.

N6NHG WANTED BY POLICE

Kevin David Mitnick, N6NHG, of Van Nuys, California is reportedly on the run once again. Mitnick is the legendary computer hacker who first gained infamy for breaking into a Department of Defense computer in the 1980s. CBS news reported on Monday, July 11th that authorities believe the thirty year old Mitnick has been using tele-computing to again breach the security of a number of heavily guarded computer and communications networks. These include computers used by Pacific Telephone and the California State Department of Motor Vehicles. Police believe Mitnick may possibly be trying to create a total new identity for himself.

Authorities told the Los Angeles Times Mitnick was last spotted at a shop in Studio City, California. They say he attempted to pick-up some fax'd documents belonging to the Department of Motor Vehicles. When police moved in, they claim he threw the papers at them and ran.

A warrant has been issued accusing Mitnick of violating his parole on a previous computer hacking conviction. One of the terms of his parole forbid him

from using a computer for any illegal purpose.

Chit Chat

Comments from YLs and XYLs,

Mom, That's Not Fair...

My mom always insisted that I keep a radio in the car and kept it on while I was out driving alone. My car was always breaking down and she liked to keep tabs on me as well. I felt it was all kind of silly. If I needed help, I'd just turn on the radio, I saw no reason to keep it turned on all the time.

About 10 years ago, I was driving home after working for a straight 16 hours and was tired beyond belief. It was late at night and I had taken the back roads because I didn't trust my driving on the major ones. As usual, my mom was talking me home.

I was less than four miles to the house when my headlights revealed a strange sight. There were people running all over the road and a car was stopped in the center of it. As I got closer I could see that the people were all males and there were six of them. They seemed to be angry and drunk. So I tried to turn my car around. I told my mom what saw.

They jumped onto the trunk and hood of my car, and one kept trying to open the door. They were all yelling at once and I didn't know what to do.

People monitoring the radio came to the rescue in less than five minutes, taking care of the situation in no time. I was very lucky that night.

The situation I had driven into was six young GI's who had been out celebrating their graduation from Officer Candidate School earlier that day. Around 11:30 p.m. they started back to the dorms on base and were all very drunk. One of them couldn't wait to answer "Natures call" and demanded they stop and let him take care of it. The driver took the keys out of

the car to make sure it would be there when they returned. They all visited nature.

Problem was that when the driver attempted to restart the car he used the dorm key instead, and it broke off in the ignition. The other five were so upset they were chasing him all over the place and he ran! Seeing another car, he thought only of rescue from his buddies and that's where I came in. Everything worked out and someone towed them to the base and took them to the dorms.

Now I have a son who's just completed Driver's Ed and has his learning permit. He turns 16 in November and is wanting his full license by then. I said fine, but only if you get your ham ticket as well. No ham ticket, no driver's license. He thinks I'm being unfair and that I don't trust him. He also sees it as my being able to intrude on his new found freedom with the use of the radio. I know just how he feels too, but his safety and life is more important than his feelings that I'm just not being fair.

Linda, N1LPN

Let's hear from the ladies out there. I know you gals have a lot to say about things going on in the world of amateur radio. Get it out of you system and talk about it. This is your column ladies help me keep it going.

The Editor

Thoughts on Ham Holiday

I believe that this year we had a wonderful Ham Holiday. This year we had Smitty, AC5C demonstrate packet radio. I really enjoyed seeing the latest version of Ka-Gold, a packet program. He explained how Ka-Gold works, he also gave free samples of the Ka-Gold program to let you try it at home. Myself, I would like to see any ham programs that use a mouse. More people are becoming interested in packet radio than ever before. It is growing by leaps and bounds. If you have considered packet radio before and it did not agree with you, please reconsider. It is a fun way to meet people and to get mail from all over the world.

Thoughts (Con't)

There was more than just packet radio at Ham Holiday #21. There were many interesting booths, some had arts and crafts, another had portraits, while others had the usual radio equipment, computers, and other artifacts. We also had a few dealers that were selling the latest radio equipment available.

Behind this article is a message, if you liked or disliked this year's Ham Holiday, then please show up at the next CORA meeting and volunteer your services for next year's hamfest. The meeting is the 4th Tuesday of the month at 7:30 p.m., at the Salvation Army Bldg on the southwest corner of N.W. 50th and Penn in Oklahoma City. Enter thru the backdoor.

It is CORA who sponsors our yearly Ham Holiday. CORA is a collection of representatives from all of the area Ham clubs. The meetings are open to all. Please show your support by attending the meetings and making a difference.

The more volunteers CORA receives to help with Ham Holiday, the better it will be. Let's get involved and make our hamfest the best in the state.

73 de Robin

N5SPA @ K2GKK.#OKC.OK.USA.NA

S. C. A. R. S. NEWS

Silent Key For Former SCARS Member

SCARS members were saddened to learn the death of a former member, Ken, KA5EFJ, who died Sunday August 7th of an apparent heart attack. Ken had been active in amateur radio for a number of years, and was always ready to talk on the radio, help someone or if the case be, chase a storm. Ken had moved to Walker, MN a year ago last May and is survived by his wife, Betty, N5OQW. Ken will be missed along with his sense of humor.

Ham Holiday

Ham Holiday has come and gone and some SCARS members were not only lucky at finding bargains but winning

some nifty prizes at the drawing at the end of the hamfest. Mike, WG5C won a battery and mug. Bill, N5UMH won a bag of goodies and Ieland was recognized for being a ham that was over 80 years-of age. KC5ABI's name was drawn but he showed up about 10 minutes late and Randy WB5WRN won a SAMs program and special recognition was given to Don, KJ5KB as a number was called at the same time got up and the announcer asked Don if he was the winner and Don said he was on the way to the restroom. I guess that is one way to get recognized Don.

Monthly Meeting At The Red Cross

As usual on the second Saturday of the month SCARS held its meeting usual monthly meeting at the usual time, 9:30 a.m. at the usual place the Red Cross. As in the past, Don, KJ5KB, open the meeting, and had everyone present give their name and call sign and if they had anything to sell, trade, or wants. Bill, K5KDR did ask how to get rid of some bumble bees and got more than he bargained for in the way of remedies. Good to see Don, KI5TP back at the meeting. For sure Don has had his share of troubles with his knee. With the help of the red cross and Jim, WA5LKS the club now has a computer. Thanks to Howard, N5HZU and myself, we got it all cleaned up, reformatted and some new software installed. Packet anyone?

Some New Business -- Dennis, KC5EVH who is the local weather service is recruiting ham operators not only from SCARS, but from other ham clubs across the state, to operate radios to pass information along to other hams. If anyone is interested, they can get ahold of Dennis or attend a SARA meeting on August 22nd at 7:00 p.m. at the weather service. SARA holds meetings once a month.

Some discussion was made about the club sponsoring a node to be put up in the court house. This will need more discussion as the club will need to get ahold of a radio.

Meeting adjourned around 10:00 a.m. with a drawing. Bob, KC5DDT won the door prize and walked away with a speaker mike.

Ed Note -- I wish to thank everyone for their support during my recent stay in the hospital. Thanks again

73

Keith, KB5FCI

On the Air

Listings of Nets on local repeaters or sponsored by CORA members:

ARES - Oklahoma County Thursdays @ 8:00 p.m. on 146.22/82.

Packet check-in on 145.07

Salvation Army - Second Saturday of the month @ 8:00 a.m. on 146.22/82.

HF 3900kHz; Packet 145.07

AMTOR @ 8:30 a.m. 14.064mHz

Night Owl - Daily @ 10:30 p.m. on 146.07/67 with alternate 146.325/925.

OKC Swap-n-Shop - Saturdays @ 10:00 a.m. on 146.22/82.

Geritol - Daily @ 8:00 a.m. on 145.41 minus input.

Edmond Info - Mondays @ 7:00 p.m. on 147.135/735.

QCWA Chp 63 VHF - Thursdays @ 7:00 p.m. on 145.41 minus input.

QCWA Chp 63 HF - Sundays @ 8:00 on 3856.5kHz.

Wheatstraw - Wednesdays @ 9:00 p.m. on 146.01/61.

Purcell - Mondays @ 8:00 on 145.19 minus input.

Cimmaron - Tuesdays @ 9:00 p.m. on 145.45 minus input.

ARRL Bulletin (Con't)

chief of the Office of International Communications.

The reorganization will become effective when formal Commission and Congressional approval has been obtained, as well as approval of the labor union representing FCC employees.

ARRL Bulletin 66**FCC Garners Award**

The Federal Communication Commission's "Auction Team" has received the Hammer Award for "reinventing government" initiatives.

(Con't on last page...ED)

M. O. R. I. NEWS

id - Oklahoma Repeater, Inc.

August 2, 1994 Minutes:

The meeting was called to order at 7:07 p.m. by Robert, N5QKI. (Scott, N5NYS was missed due to last minute work obligations)

Introductions followed for the 29 members present.

The passing of Joe Harding, WA5ZNF(sk) was noted by Robert, N5QKI.

The minutes of the July meeting were given by Earl, AB5TF. Seconded and passed.

Treasurer's report was given by Robert, N5QKI. Seconded and passed.

Technical report was also given by Robert. All repeaters and packet nodes are functioning properly.

Boxhunt report was given by Earl, AB5TF. Ham Holiday hunts went well.

VE report was presented by AB5ET. 11 candidates and four upgrades at the Sunday morning Ham Holiday session.

CORA report was given by Rick, N5WNR, summing up Ham Holiday activities.

OLD BUSINESS: None

NEW BUSINESS:

Rick, N5WNR gave a preview of and requested volunteers to work the 1994 MS 150 bike tour coming up in September.

The meeting adjourned at 7:35 p.m. The rest of the evening was spent visiting.

Earl, AB5TF
Secretary

BRASSFIELDS SWEEP HAM HOLIDAY TRANSMITTER HUNTS

I'm still trying to figure out what happened here, but something seems fishy. MORI sponsored two Transmitter hunts on Saturday at Ham Holiday #21. As we were making final decisions on prizes to be offered to the winners, John, N5SAM suggested we purchase gift certificates to Steak and Ale. This sounded equitable to me, so the wife and I left and purchased \$50.00 in certificates - \$20.00 for the winner of the afternoon walking hunt, and \$30.00 for the winner of the evening mobile hunt. After outrunning two older (and slightly perplexed) hunters, Jason, KC5EQB, John's son, won the afternoon hunt - netting he and Shannon, KB5RBX; his sister a free dinner.

When time came for the evening hunt, Jerry, N5ABF and his son began transmitting from within a patch of weeds and bushes at Will Rogers park. The hunt was more difficult than normal because they constantly changed the orientation of the antenna. Most of the other hunters had a difficult time finding the "fox", but light reflecting from the moving antenna caught Jason's eye, and the Brassfield's subsequently won the evening hunt. Hmmm.

Congrats go to Jason, KC5EQB, Shannon, KB5RBX, John, N5SAM, and Cheryl, KB5WQR for a fine example of transmitter hunting. These are some of the finest folks I've met in my short time as a ham, and it was a pleasure to see the whole family participate together and win the hunts.

The hunts begin each Saturday evening at 7:00 p.m., alternately on the north or south side of Oklahoma City. Give a call on the 146.67 repeater after 6:30 p.m. for information or talk-in. After the hunt is over, we get together for coffee and fellowship. If you're lucky, John, N5SAM will be there and give you tips on rigging transmitter hunts! (hi hi)

Earl, AB5TF

FROM THE OFFICERS:

KA5ECX for State Rep???

While looking at today's Daily Oklahoman political information booklet, I noticed that Howard Frankenfield, KA5ECX is currently running for House District 85 which covers much of Northwest Oklahoma City, and The Village. Good luck to Howard in his attempt of gaining political fame.

On August 14 on .925, several stations assisted a motorist in a medical emergency. An individual was reporting that a passenger was experiencing extreme chest pain and was suspected that a heart attack was imminent. The only problem was that this was occurring on I-35 just south of the Stillwater exit. Martin KN6UG, Jerry N5KNU, Angela KD4VWM and SEVERAL others assisted in making arrangements to have an ambulance meet the party near Guthrie on I-35. The entire event took over an hour to handle, but resulted in the saving of a life. It is not very often that such an incident occurs, but whenever it does, it makes me feel proud of the work amateur radio operators can accomplish during emergencies.

Since MORI1 was raised to above 1000' and MORI2 was placed on the air in Tulsa, the amount of traffic on 145.03 has risen sharply. Every time I do a MH command, the list keeps getting longer and longer and longer...

Toy, AB5ET reports that VE TESTING is still going on and there are more people showing up every month... Testing is held the first Sunday of the month at 2pm at radio station KOMA/KRXO (320 SW 4 St, Moore). For more information, call Toy, AB5ET at 748-7373.

People often ask me "How do I join MORI?". Well, it has just been made easier.. Besides showing up at the meeting, or calling me, you can contact Angela, KD4VWM or Carol, KB5WFX and they can send you all of the information you need to join. So, you no longer have an excuse for not joining!

Attendance at the last MORI meeting in August was slightly higher than usual. I

was glad to see many new faces for the first time. But, if you haven't made a meeting in a while, make the effort to show up!

At times I hear people act as if meetings are boring. True, SOME business has to transpire, but there is a larger quantity of fun present.

And finally. As many of you are aware, I have been a lawsuit against my homeowners assn. for almost 3 years. Last month, it was finally ruled in court that I can keep my antennas. I would just like to thank everyone over the past few years for the moral support that has been supplied. And now it is time to erect the 100' tower!

That's all for this month...73 de N5QKI

HISTORIC SHIP ON THE AIR

SS LANE VICTORY GOES TO SEA

The last surviving World War II VICTORY ship, the SS LANE VICTORY is taking its summer cruise on August 13th and 14th. Sailing from San Pedro, CA to Catalina Island, the fifty year-old restored vessel will be active on amateur radio as W6MWO. Listen on 7232 and 14310 kHz, voice from 1600 to 2200 GMT both days. The station may also be active at other times on other modes and frequencies. The station will be manned by the ship's radio operators and other members of the LANE VICTORY AMATEUR RADIO CLUB.

QSL to LANE VICTORY, PO Box 629, San Pedro, CA 90733.

VICTORY ships were the newer version of the famous LIBERTY ships produced in the hundreds during the war to carry cargo in the convoy lifelines in the Atlantic and Pacific. The LANE VICTORY served in World War II, Korea and Vietnam. During the Korean War, the LANE VICTORY rescued 7,000 civilians from certain death at the hands of the enemy.

The LANE VICTORY is one of three ships who are national historic landmarks dedicated to the thousands of merchant

men who lost their lives during World War II and now rest in unmarked graves beneath the waves.

Stay tuned for further bulletins about operations during the fall escort cruise with the JEREMIAH O'BRIEN, a World War II LIBERTY ship returning from the D-Day celebrations in Europe.

Jay Flynn, WB9AWX
Assistant Radio Officer
LANE VICTORY, KECW

BAPTIST HAMS PROVIDE DISASTER AID

The Oklahoma Baptist Brotherhood, led by Laddie Adams, among other services, sponsors the Baptist Ham Radio Fellowship and the Disaster Relief committee.

These two groups worked together to prepare and provide 84,400 meals during a 10 day period in California after their last major earthquake. The need was so great that the Mississippi and Texas units were parked beside us providing relief too. This relief was facilitated through use of equipment contained in a 40 foot semi-trailer which includes a full kitchen, complete ham radio shack and bunks for six men. This unit carries its own 10 KW diesel generator. This trailer was accompanied by a Dodge Club Wagon and a 1 ton pickup which pulled a 26 foot trailer home for additional crew quarters. The unit has a leader, 10 kitchen men and 2 radio men who serve a week to ten days at a time.

Last called out by FEMA (Federal Emergency Management Administration) to serve in Louisiana, was the Child Care trailer which contains equipment and toys which the women use to care for up to 50 children while parents are busy elsewhere. The need was so great after the hurricane that the Texas unit was called into service and placed beside ours to serve all the children. In most instances the Red Cross supplies and delivers the food, but after the Louisiana hurricane there was no electricity so many town folks brought us the food from their freezers.

Our equipment is kept in a 'Disaster Barn' at Boys Ranch Town, near Edmond. We also have a small 'pop-up' trailer equipped

to prepare 1000 meals per day. The 'Barn' also contains our Base Ham Station which can be used to keep in contact with the units in the field.

This equipment normally responds to the call of the Red Cross or FEMA. The Ham Radio Fellowship meets on the air at 2:00 local time, each Sunday afternoon, on 7.2775 MHz. If the QRN is too bad we will go to 3.905-3.910 MHz. Net Control is Montie, K5HKW, from Stillwater. We invite you to join us on the air anytime.

73 fer now,
Bill, N5KLG

MORE RETESTS IN CAL VE FRAUD CASE

Some fifty-nine people previously tested by a group of suspect volunteer examiners have been ordered to be retested or face administrative sanctions. This is the latest word coming from the FCC in the wake of its ongoing probe into alleged fraud and corruption in ham radio testing in California.

Word of the retests was announced by FCC Personal Radio Branch Chief John B. Johnston, W3BE. Speaking at the annual meeting with the nation's Volunteer Examination Coordinators on June 24th, Johnston said twenty examinees have had their examination credits revoked in addition to the fifty-nine ordered to retest. W3BE told the VECs there was definite evidence at twenty-five California test sessions the commission knows about so far where applicants were given answers to the Morse Code test message prior to testing.

As a result, retesting was ordered. To date, only three people who have been re-examined have received passing grades.

Johnston has also made public a few other pieces of evidence collected in the probe. According to Johnson, one Volunteer Examiner allegedly administered examinations at two different locations on the same day, and traveled as much as seventy miles one-way between test sessions. W3BE says that the FCC has determined beyond any doubt that one of the sessions never actually

took place. Even more incriminating, the FCC appears to have solid evidence only seven people were actually examined at the second session even though the VEs roctoring the test claimed the number tested on site was twenty-two.

About the only thing not yet made public are the names and call signs of the suspect VEs, but this too may soon change. At least one major ham radio publication is known to have a copy of the list of VEs under government scrutiny. The entire list plus names of some suspect applicants may be appearing in print worldwide within the next few weeks.

UK INTERFERENCE

The United Kingdom's Radiocommunications Agency recently investigated interference from unattended operation of digital modes on 144 and 432 MHz. In several instances it had to find a way to gain access to an unattended transmitter site when the operator was not present.

While British license holders are not required to notify the local Radio Investigation Service for such operation, British hams have been asked to give thought as to how their station could be closed down in their absence if problems arise.

NET REGISTRATION

This reminder from ARRL headquarters. Nets have until September 6, 1994, to register in the 1995-96 ARRL Net Directory. The new edition will not carry over information from previous directories, so net managers must send a registration card, ARRL Form F S D 85, to Headquarters. The address is 225 Main Street in Newington, Connecticut 06111.

ZL CEPT

A recent report in the W5YI ham radio newsletter says New Zealand has joined the growing number of nations adopting the pan-European CEPT ham radio

license. The story is correct but it is a bit late. Actually, it is about a year late, according to Jim Meachen, ZL2BHF who is the President of the New Zealand Amateur Radio Transmitting Society (NZART).

NZART is New Zealand's national ham radio society. Kind of the ARRL of New Zealand. As such it was directly involved in backing the adoption of CEPT. Meachen says the CEPT universal ham radio license has been well received by that nation's amateur radio community.

BRIEF ITEMS FROM ARRL

From The ARRL Letter Volume 13, Number 13 July 12, 1994:

== New FCC Commissioner Susan Ness named David Siddall as legal advisor. Siddall, 44, is K3ZJ. He will concentrate on mass media and wireless matters. Since 1991 he has been Chief, Frequency Allocation Branch, and he was with the Mass Media Bureau from 1988 to 1991. He joined the FCC in 1985 in the Common Carrier Bureau following work at the Library of Congress. He is an active amateur.

== Proving that QSLs always lag sunspots, so far this year the ARRL DXCC Desk has received 13% more applications and 24% more individual QSLs than for the first half of 1993. Summer staff have been added to help handle the increased workload.

== The first 10-GHz moonbounce contact between two British stations took place on June 19, when G4RFR in Wimborne, Dorset, worked G3WDG in Rushden, Northants. "Good reports were exchanged and both stations were able to hear their own echoes," the Radio Society of Great Britain news service said. G4RFR is the club station of the Flight Refueling Amateur Radio Society. The moonbounce system was built by members as a club project, and includes a 12-ft dish, a 15-watt transmitter and a receiving system with a 2-dB noise figure. G3WDG's station was operated by G3WDG and G4KGC, and comprised a 3-meter dish, a

40-watt transmitter, and a 1.2-dB noise figure receiver.

== Five locals operated W1AW during Field Day to the tune of almost 2,900 contacts, including four with western Europe on 6 meters (about 2100Z on Saturday, June 25), running 80 watts to a 6-ele yagi at 65 ft. The station did not use its back-up 60-kW diesel generator (which can supply the entire W1AW building) because it's pretty noisy and would annoy the neighbors. Rest assured, though - if commercial power goes off, the generator comes on!

== Senator Barry Goldwater, K7UGA, appeared on the "Ham Radio & More" AM radio show on June 26, and was "sensational, as usual," according to the show's producer, Len Winkler, KB7LPW. Senator Goldwater answered callers' questions ranging from MARS to SDI military hardware. Much praise was given to Senator Goldwater for his time given to the country, Winkler said.

Some quotes of interest included his support of the no-code license, and he said that since code is outdated and not widely used in the military today, he believes the time has come to do away with the code requirements, even though he thoroughly enjoys code and can be found on CW many times each week. He also believes that "our" ability to handle national emergencies is justification in itself for our existence, and he is very opposed to charging for amateur licenses, Winkler said.

"Ham Radio & More" can be heard Sundays at 6 PM EST on the Talk America Network in 23 cities and via satellite on Spacenet 3, transponder 9, 6.8 audio.

The preceding from The ARRL Letter.

73 Chris KD3OA @ KD3OA.PA
ARRL EPA Bulletin Manager

**School Starts This Month, So Keep
Your Eyes Open For The Little Ones.**

**They are the future of amateur
radio!**

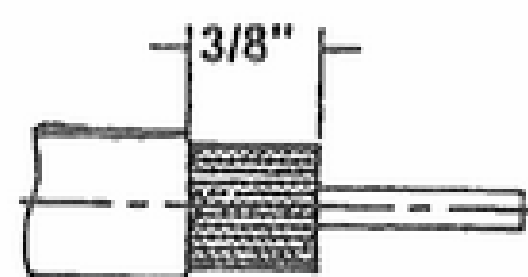
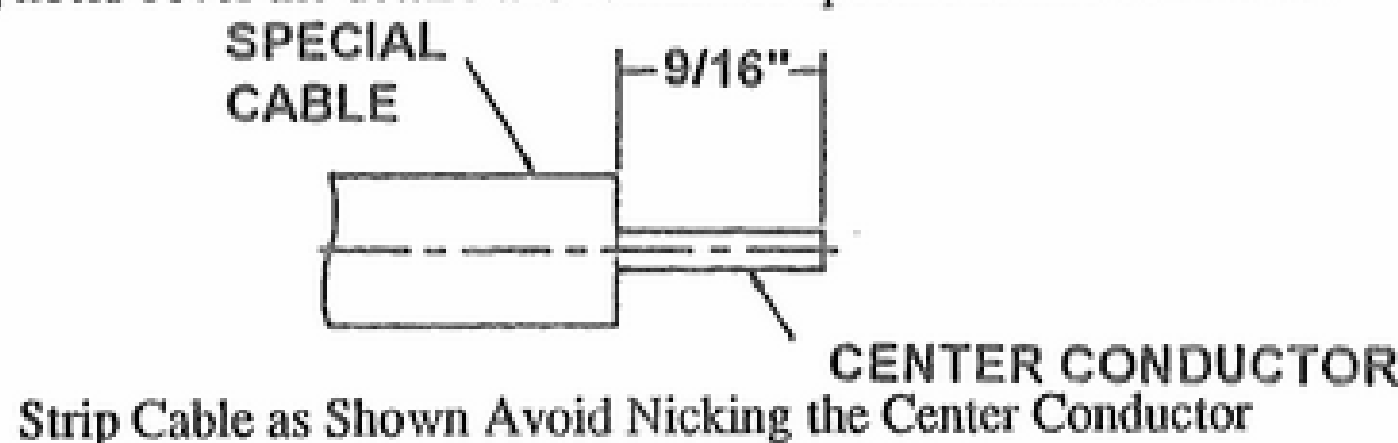
Technical Corner

Installation Procedure for #7354 Two Piece "N" Male Connector

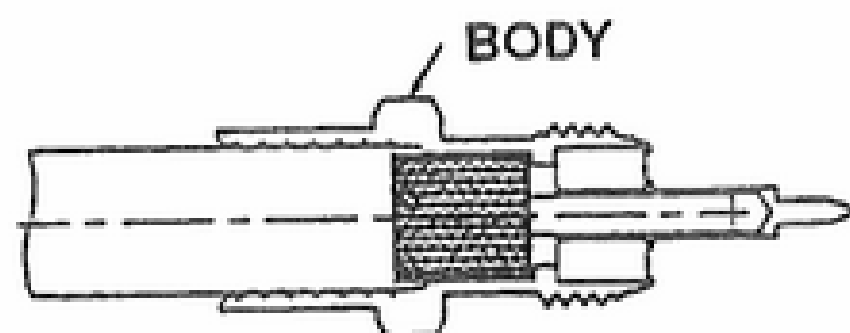
This simple but very effective connector is the best news since the advent of the Belden 9913 type coax, and offers the first option that we have seen to the long Mil Spec UG-21B that is so effective on this type of coaxial cable. This connector goes on as easily as a PL-259, has more holding strength than the UG-21B, and insertion loss is not bad.

The instructions for PL-259 installation in *Wirebook II* are the best detailed information available for the job, and we strongly urge you to study that material before starting.

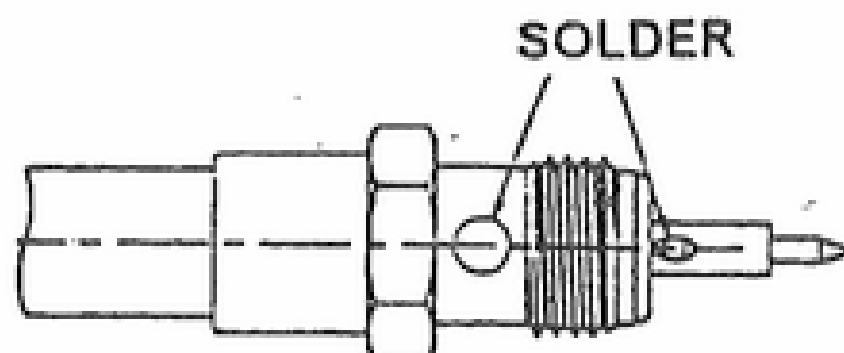
The following notes cover the details and reminders specific to this connector.



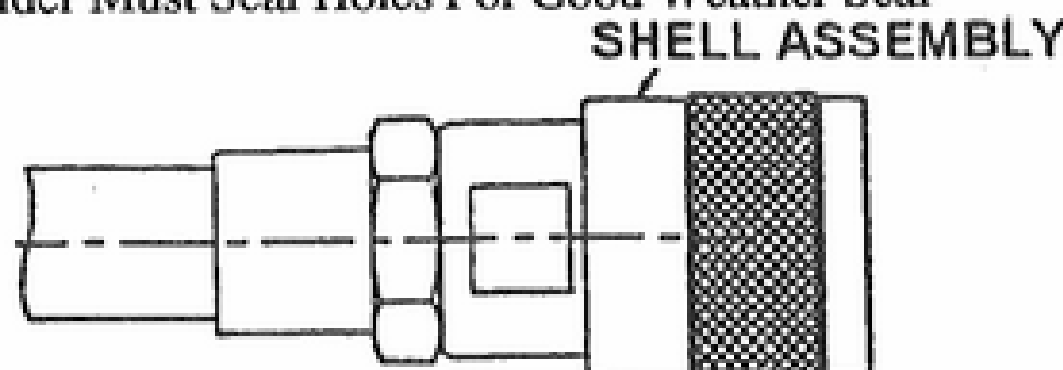
Remove Jacket Without Cutting the Braid



Screw Body Onto Cable As Far As It Will Go



Solder Braid Thru 2 Holes in Body, Solder Center conductor thru Hole.
Solder Must Seal Holes For Good Weather Seal



After Cooling, Screw Shell Assembly Onto Body
and Wrench Tighten It Tight Against Hex.

For smaller cables using adaptors UG-175 and 176, refer to the PL-259 installation instructions in the *Wirebook*. Note that it requires quite a bit of solder with a small center conductor. It should be done in several stages until the hole seals - not until it overflows.

WIREBOOK II Review

There is an old brain teaser which goes 'if you were on a desert island, what three books would you want to have with you?' For your ham shack library, what three books would you want? One good suggestion is the *Wirebook II* published by "Wireman, Inc." of Landrum, South Carolina.

The author, Press Jones, N8UG, has created a informative treatment of coaxial and rotor cables, connectors, antenna wire, and baluns. In its 53 pages, the *Wirebook* provides a convenient review of cable basics with numerous bits of trivia.... How do you figure the maximum bend radius?

(the cable's outside diameter times 15)

What is the loss per 100 feet for RG-8 at 10 Gigahertz? (around 40 db)

Press also presents a stout defense of the much maligned PL-259....'it's a good connector, you just have to install it properly'. He makes his point with a 3 1/2 page essay on proper installation.

The mysteries of the "N" connector are also explored. A two page description of installation techniques ends with a caution on proper sealing of the UG-21D & B.

Wirebook II has an addendum on the new two piece "N" connector. This new connector has but two large pieces in contrast to the UG-21D's small, and sometimes easily lost six. Installation of this new connector is shown in this issue.

Classic 'ladderline' is also reviewed and the reader is reminded of its versatility and durability. Press wants to bring this all but forgotten cable back to the front lines.

If your looking for a clear, concise study on choosing coaxial cable, the *Wirebook II* is it! You'll find yourself revisiting it often.

Please Note: I have no connection no interest in "Wireman" or *Wireman II* but, I know a good thing when I see it...and *Wirebook II* definitely is one!

73 Tom, WA9AFM

ALTERNATE CURRENTS: What The Hey...

S.A. Kelly (AB5MI)

Hello again everybody. Man it sure feels good to be back writing this column. I can only hope that the feeling is mutual. To start off with I'd like to share something with you that I found in *The Orange Park Spark*, a publication of the Orange Park Amateur Radio Club which is in Florida. Its one of those things that I like to call "typical of the species." See you in 60 with something original and amazing.

NOT one of Ours!?

Downloaded from the HamHaven BBS. Ed.

The following is an actual letter. The original was typewritten and all spelling and grammar has been carefully left intact, including errors. I thought this was pretty funny.

To Mr. (name omitted)
District Manager for Alabama Radio Shack
3300 N. Pace Blvd.
Pensacola, FL. 32505

Dear Sire,

This letter is complain about the problems I have having with the ham radio model number 19-1101 I had got from your company Radio Shack. I had this shipped special to me from your store 1096 Eastdale Mall Montgomery Alabama. I was got this because I think that i would get transmitt furthurthat I did with the TRC / 40 channel walkie talkie.

The problem that had first was when I was going to hook this radio HTX-1000 to the antenna the conecktor on the radio was wrong it wouldn't reach to my cable. I was able to hook it finally by making a small change in in the connektor. As soon as I tried to use it there was no sound coming at all. This happened for two days and I never did get to talk to anybody the whole two days. That day the cable company came knocking my door and said that there was something causing problems at my house and disconnected myradio from the cable line. you knew when i bought the Radio that I was going to use that for my antenne. You didn't tell me not to why not?

Next time I deceded to put the HTX-1000 in my automobile I thought I would see how it worked their. I hooked it up to my CB-antenna and at least I could hear people. But what happens now is no one wants to talk to me because they says you have to have a licencs to talk to them. Why? I don't have to have a licencs to talk on my CB. Thay'll talk to me there. Anyhow it dont matter much anymore because somebody done took the radio HTX-1000 from my automobile.

What I would like for you Radio Shack to do is refund my money because I don't have the radio anymore and its not my fault i don't and I think you should give me back my money. Also the cable company here says that I hurt something in there line and want to be paid to fix it. It will cost \$27482.98 to fix the equipment they say was damaged because you didnt tell me not to hook it to the cable. Please me the check for 27758.53 for damages due. To save this matter from going to court the check must be in my hand by June first or I will turn this over to my attorneys of law.

ank you.

(Name withheld)

August 28 - October 1, 1994 Schedule of Events:

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	31	SEP 1 7:00 p.m. Aeronautical Center 7:30 p.m. CARS	2	3
4 2:15 p.m. Great Plains	5	6 7:00 p.m. MORI	7	8 7:30 p.m. Altus Assn	9	10 9:30 a.m. SCARS 10:00 a.m. SCARS VE Exams
11 2:00 p.m. MORI VE Exams 2:30 p.m. Wheatstraw	12 7:00 p.m. EARC	13	14	15	16 C&E Deadline	17 9:00 a.m. VE Exams (RSC) 11:00 a.m. VHF Club
18 2:00 p.m. EARS	19 6:00 p.m. CORA VE Exams	20 7:30 p.m. OCAPA	21	22	23	24
25	26	27 7:00 p.m. Shawnee VE Exams 7:30 p.m. CORA	28	29	30	OCT 1

ARRL Bulletins (Con't)

The Commission said that the award recognized that the auctions (which were for narrowband Personal Communication Service spectrum and interactive video allocations) served consumers by licensing new services faster, served the public by selling rights to the spectrum rather than giving it away, and served industry by getting licenses to those "who value them most highly."

The FCC Auction Team includes employees who worked on allocation and auction rule making as well as the team that organized and carried out the actual auctions in late July.

After 47 rounds of bidding, the PCS auction earned more than 600 million dollars for the ten nationwide licenses being auctioned. An interactive video spectrum auction earned an additional 214 million dollars for 574 licenses that will be used for new broadcast services.

Vice President Al Gore made the award presentation. He said "Small and independent (government) agencies have

been leaders of reinventing government. At the FCC, which has less than 2,000 employees, reinvention efforts have moved the agency from red tape to real results. Employees of the Commission have set a new standard for government performance, putting their customers, the American people, first," Gore said.

ARRL Bulletin 67

Report on Reallocation

ARRL's effort to protect amateur frequencies in the 13 cm band from reallocation is a step closer to success with the release this week of a report from the FCC to the Commerce Department that strongly supports continued amateur radio presence in the band. The report disagrees with NTIA's preliminary recommendations that large portions of the band be reallocated for other uses.

The frequencies that NTIA had identified for possible reallocation consist of 2300-2310 MHz, 2390-2400 MHz, and 2402-2417 MHz, which have been shared by amateur radio on a secondary basis with

government services. When the project is completed, FCC will administer the reallocation of frequencies identified by NTIA.

While the FCC report praised NTIA for its efforts, it stated that the NTIA proposals require modification. FCC cited concerns in the amateur community that reallocation would disrupt amateur operations in the band, and that NTIA failed to meet the statutory requirement that it attempt to determine the extent to which the band could be shared with the amateur service. The report noted that "the largest factor affecting the future use of these bands is their existing availability for use by the amateur service."

"While we're not out of the woods on this one yet," says ARRL President George Wilson, "it is beginning to look like the comments filed by knowledgeable west coast hams combined with the League's Washington effort may well succeed in carving out territory for continued amateur development in the microwave bands."

K2GKK @ K2GKK.#OKC.OK.USA.NA