

November 1993, Volume 19 Number 10

Emergencies and Repeaters!

I heard a very disturbing incident on one of the local repeaters the other day. Two gentlemen were having a QSO when a station broke in with an emergency.

The breaker was recognized and asked what he needed. The breaker asked if the repeater had Auto patch and could one of the gentlemen bring it up. There had been an auto ac ent and the breaker wanted to call the Police.

Well sure there was an auto patch, one of the gentlemen said, and he would be glad to bring it up. Then he proceeded to ask the breaker where he was, what had happened, etc. Told his QSO partner to stand by and continued talking to the breaker.

Needless to say, the breaker was becoming upset with the delay and the conversation went down hill from there. The breaker said he would use a pay phone or another repeater and departed.

The gentleman who had offered to help became upset and told the

breaker not to run off in a huff! He would bring up the auto patch and let him talk to the police. No response, the breaking station had gone somewhere else to handle his emergency.

The two gentlemen resumed their QSO and discussed the rudeness of the breaker and reckoned how they did not have to put up with that sort of person on the repeater!

Five minutes later, the breaker was back. For the next two minutes or so he proceeded to chew-out the two gentlemen. Although his criticism may have been valid, the language used was totally outrageous!

Our repeaters are a valuable asset. Interesting QSOs and various nets are heard almost daily. We use the repeaters to keep in touch with friends, pass the time on a boring drive to work, and exchange ideas with others who have similar interests.

But, and it is a BIG but, if a repeater saves one life in all the time it is on the air; that is more important than any QSO or net that will ever take place on the repeater. Emergencies come up every day. Be prepared to act in a swift and positive manner. Any time a station breaks into your QSO or net turn the repeater over to If there is no breaker. emergency he will join your QSO or conduct his business and return the repeater to you. Ask the breaker if he needs assistance and offer to help if you can. Do not worry about your QSO partner, he can hear the breaker too!

I would never want to think I was responsible for someone NOT getting help in a life threatening situation because I was tying up the repeater!

73 to all and be prepared to act.

Via the Packet BBS System

Edited for C & E by K2GKK with "credit" to OCAPA.

73 de Mac/K2GKK.

MORI

Mid-Oklahoma Repeater, Inc.

October Minutes October 5, 1993

The meeting was called to order at 7:00 p.m. by Scott Walsh, N5NYS.

The minutes were presented by Tim Hanna, N5USM.

A motion to accept the minutes as presented was made by N5WNR and seconded by N5SAM; the motion passed.

The Treasurer's report was presented by Robert Moose, N5QKI, indicating a balance of \$1,174.96.

A motion to accept the Treasurer's report as presented was made by AB5ET and seconded by WB9VMY; the motion passed.

The VE report was presented by AB5ET.

The Foxhunt report was presented by KJ5HN.

A report on the MS Bike-a-thon was given by N5WNR.

The CORA report was presented by N5BEQ.

The Technical committee report was presented by N5VIS.

ELECTIONS

A special session for election of officers was called by N5NYS.

Nominations for Treasurer were N5QKI, N5XCS, and KJ5HN. N5QKI was elected Treasurer.

Nominations for Secretary were N5PHW, KB5RBX, and KJ5HN.

KJ5HN was elected Secretary.

Nominations for Vice President were N5VYC and WB5DXZ.

N5VYC was elected Vice President.

The sole nominee for President was N5NYS, who was elected President by acclamation.

OLD BUSINESS

A unanimous decision was made to have a Christmas dinner, the Christmas dinner committee to be headed by AB5ET.

A motion to move the December meeting to the second Tuesday out of respect for those lost at Pearl Harbor was made by N5WNR and seconded by N5PHW; the motion passed.

A motion to allocate \$250.00 for the Christmas dinner was made by N5PHW and seconded by N5SAM; the motion passed.

A motion to have no business meeting during the Christmas dinner was made by N5JGB and seconded by KI5DF; the motion passed.

Discussion regarding logos remains unresolved at this time.

NEW BUSINESS

After discussion regarding moving to a larger meeting hall, it was resolved that the club meetings continue to be held at the current location.

Discussion regarding a monthly coffee meeting on the south side of the city remains unresolved at this time.

The meeting adjourned at 8:40 p.m..

Editorial Staff-

Scott Walsh, N5NYS Joe Buswell, K5JB

Editor Emeritus

Joe Harding, WA5ZNF

CORA-

Rick Masters, N5WNR-President Kathy DeGraffenreid, AA5RU-VP Jim Buswell, N5BEQ-Secretary Tom Mangham, K5LDI, Treasurer

Dear Subscriber,

PLEASE help us keep your information up to date. Check your entry on the back page. If there appeares to be a mistake, check with your club officials and have it changed.

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 recieved their money and the date the subscription expires. Have your slips, or a list of deletions submitted by (22nd of each month. If there is anything about the C&E subscriptions you need to know, please contact us.

Story information, as well as letter s to the Editor should be sent to:

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600 Annawood Dr.
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or left in their entirety on the BBS at
(405)354-3241, N81, 1200-14.4k. You can
also leave your article in N5PHW's mailbox

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CORA Collector & Emitter, PO B 95942, OKC, OK 73143-5942 MORI regrets to announce the passing of two founding members of the club:

K NN, Richard Wood, was a charter member of MORI and served many capacities including President and Trustee. He helped in organizing the tower sites that MORI now occupies and in negotiating the contracts to that same end.

W5LFV, Muril Donnell, was an early member of MORI and was one of few whose membership He had attended never waned. since meeting almost every November 1992 and was one face that I grew to know and depend on. After the meetings, he and I would sit and discuss how the club was changing and how things used to be at field day, etc... He will be sorely missed. May his memory live forever... 73 OM CUL DE N5NYS

An open letter to all radio amateurs...

Over the years I hve spent time as a representative for EARS on the board, as vice-president and of course as president of the Executive Board of C.O.R.A. One thing about it, I enjoyed it all and hate to give it up. HI HI HI HI!!

I want to bend everyone's ear one last time to thank; all of the folks that helped over the years. There are too many people to mention individually, but to those who were there when I needed help, my deepest heartfelt thanks.

I would like to think that over the last five years or so we, as a whole, took C.O.R.A. to a new level and that both CORA. and Ham Holiday will continue to grow.

I want to wish Rick and his Executive board good lluck and once again many the to everyone.

73 es CUL Frank J. Tassone, AASGI

OCAPA

MINUTES OF THE OCAPA MEETING October 19, 1993

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

The minutes of the last meeting were read by John N5SAM, seconded and passed.

Treasurers report was read by Mike N5VIT, seconded and accepted.

TECHNICAL COMMITTEE

Mike N5VIT reports that all is well with repair to 2 power supplies.

CHRISTMAS PARTY COMMITTEE

Ruthie N5RJM volunteered to coordinate the food and festivities for this years party. The dinner will be at the Warr Acres Community Center at N.W. 42 and Ann Arbor (where it was last year), on Tuesday the 21st.

EDUCATION COMMITTEE

Brad KJ0W wants a person to help with the classes before meetings, like we had earlier in the year.

CHANNEL 9 LIAISON

John NJ1V has accepted the duties as our representative with the TV 9 folks.

NEW BUSINESS

Bill KB5NUA discussed the Student Oklahoma Inventors Exposition at the Oklahoma State capitol building in February. He requested equipment and elmers to setup a hf station for the day and for school age hams to operate the stations. Packet, ATV, RTTY, and QRP homebrew equipment is requested. Also, 6 or more hams with HT's for communication between floors with exhibitions.

Brad KJ0W reviewed the new

regulations for business communications on the ham bands. And the use of the 82 repeater for the Swap-Net and how the new reg's will affect the trustee, were discussed.

A Christmas party raffle was began this month. Monthly prizes are awarded with a grand prize drawing of a 2m rig at the party. This months prizes went to: W5LDF - a SWR meter, W5LDF an aluminum project box (won with consecutive tickets) and KB5RBX won a piece of coax with N connectors.

ATTENDANCE 35 Meeting adjourned at 8:55 p.m. John Brassfield N5SAM

How many times have you wandered into your favorite ham club meeting (or for that matter, any club meeting) and spotted a stranger? If you're like a majority of the population, you will probably avoid contact with the 'newby' introduced another by unless person, or the newcomer takes the initiative to make their presence known.

A pro-active welcome can make the difference between an active new club member of your club or a new member of some other club.

The following thoughts are from the North Shore Repeater Association Newsletter and were published in the 1992 program of the ARRL Division Convention at Boxborough.

THE NEW MEMBER OF THE CLUB

I see you at my meetings, but you never say 'hello'.

You're busy all the time

you're there, with those you already know.

I sit amongst the members, and yet I'm a lonesome guy.

The new ones are as strange as I, but you old members pass me by.

But, darn it, you folks asked us in, and talk of fellowship.

You could just step across the room, but you've never made the trip.

Why can't you nod and say, 'hello' or stop and shake my hand?

The go and sit among your friends: that I'd understand.

I'll be at your next meeting, perhaps a nicer time to spend.

Could you introduce yourself?

I want to be your friend.

Anonymous

DE WA9AFM/5, Tom

EARS

EDMOND AMATEUR RADIO SOCIETY

September and October were very busy months for EARS. Many thanks for the members who helped with the Crop Walk and Diabetes Walk of October 3 and the UCO homecoming parade in September. Also we owe a special thanks to Jim, KB5YHT, for the informative and entertaining presentation at the October dinner meeting and to Bill, N5YDU for his arranging a tour of the 0 G & E Power Plant in September. I for one have a new found appreciation for what it takes to bring juice to those little wall sockets!

November promises to be another busy month with the activity scheduled for the business meeting of November 21 at St. John's Catholic Church, 2 p.m.. All members are encouraged to attend this important meeting during which 1994 officers will be elected and proposed changes to the club by-laws will be presented to the membership.

The Board of Directors has appointed a nominating committee chaired by Ken, N5DBM. Any members interested in serving as an officer of the club should contact Ken at 341-4874. Nominations will also be taken from the floor at the time of election. Each of you will be called and reminded of the November meeting by a Board member, as the Board has decided to do the work of the calling committee this month (the calling committee has worked hard all year and has certainly earned a break!) When you are contacted by a board member it will provide you an opportunity to give input as to the

direction of the club or activities you would like to see the club involved in. Remember, we are interested in your opinions!

Also on the horizon is the annual Christmas dinner, tentatively scheduled for December 11 at St., John's, The dinner is being organized by Edith, KA5YPX. Santa has already confirmed that he will be able to attend. If you would like to assist Edith, contact her at 348-2961.

In closing let me remind everyone that a current roster and other information regarding repeater usage is available upon request at all business meetings. If you are unable to attend meetings and would Like to acquire a roster or other information, please call Ed, KB5DZU, our humble treasurer, at 348-3454,

sincerely,

Ed, KB5DZU

You know you're a ham when...

when your definition of high fashion is a baseball cap with your call letters on it;

when your shack actually begins to look like one;

when at a party, after telling a joke, you say "hi hi";

when you're happy to just be considered another bean for the pot;

when your idea of sightseeing is checking rooftops for antennas;

when you think carrying an HT is more of a status symbol than a portable cellular phone,

when you find that you have to explain that being a ham is not the same as be a CBer!

Keep smiling! de Alan VE3XAG



Minutes of October Meeting

Meeting was called to order, by President J, KB0QJ, at 11:59 a.m. with 16 members and guests present. Motion was passed accepting the minutes as published in the C&E. Also, motion was passed accepting the treasurer's report given by Charlie, WA5JGU. Charlie filled in for Ellard, W5KE, who was between the MWC fleamarket and a trip to Dallas to see his grandson presented his Eagle Scout credentials.

Two motions were passed which, in essence, initiate some activity towards a 2M FM phone net for club members. Initially, the VHF club will begin participating with the QCWA on a new net being held on the RACES repeater (145.41 MHz), starting at 7:00 p.m. each Thursday. Check it out -- should be interesting.

Meeting adjourned at 12:10 so Bill, KB5NUA, could brief us on plans for next February's Student Inventors' Exposition. (See below) Joe, K5JB, Sec'y

Flying Check on KD5IS

I am glad to report I had a little better luck than Ellard, W5KE, and Garnet in finding the Hacienda Wetmore occupied, and that Jerry, KD5IS, and Pat, are doing well in New Mexico. I managed to crank up the old airplane and make a trip out to see them and let them stuff me with some of the good New Mexico food, and entertain me with some of the tame New Mexico critters. I didn't get to see the wild turkeys that Pat was bragging about, but there were still plenty of other, smaller, birds to gobble up the bird food.

This time I insisted that we spend the visit time just visiting, that I didn't need to be given any tours, and I sure enjoyed the time we spent, loafing and chatting. The only radio operating I did was to call Jerry via the 2M FM repeater in Raton to

tell him that I had the Cimmaron pass in sight. Weather for the flight in was excellent, and the weather for the return flight was, well, flyable, ahem!

Pat called me yesterday to report that they were now home in Oklahoma City for the winter. We should see them at the next club meeting. Welcome back! And, thanks for the wonderful time.

Joe, K5JB

Student Inventors Exposition

Bill Enter, Sr., KB5NUA, visited the VHF Club and informed the group of plans for the next Student Inventors Exposition to be held in February. He is looking for some help, and handed out copies of a letter that contained the details. (There may be a copy elsewhere in this C&E.) I will summarize what he would like to have some volunteers for.

The Student Inventors Exposition will be held February 9, 1994, 8:00 a.m. until 2:30 p.m. at the State Capitol building. There will be 180 bright youngsters, along with their parents and teachers exhibiting their creations. Bill would like to expose these youngsters to amateur radio and is soliciting some help in putting together a display.

First, Bill would like to have some young General Class, or better, amateurs who can operate HF equipment, particularly checking into the All Schools Net which will have a special session from 9:30 a.m. to 10:30 a.m. on 28.305, 21.325, or 14.325 MHz. The first requirement is to identify six or eight teenagers, or younger, who would like to operate the station and explain amateur radio to the other participants. The second requirement is for radio equipment (including antennas), help setting it up, and training of the young operators in its proper operation.

Bill has obtained permission to erect dipole antennas on the north side of the capitol that day, and has made other detailed preparations but will need additional help. Incidentally, if possible, he would like to also have the youngsters

demonstrate some ATV, Packet, Facsimile, etc.

Call Bill at 676-2362 if you would like to give some help. Joe, K5JB

Packet Happenings

I haven't been keeping close watch, and the following article will explain why, but there have been some changes taking place in the local packet networking Shirley, WD5IAT; Norm, scene. N0ELS, and Steve, N5OWK, teamed up to improve Shirley's ROSE switch's performance. Shirley, who lives in Noble has been running a router for some time and finally upgraded it to a switch by adding the second port and radio. The port communicates second with WB5CQU's switch in Pauls Valley at 9600 baud on UHF. It is now undergoing preliminary testing but the potential is there to greatly improve the route to Dallas, and beyond. The VHF port is planned to be moved to another 2 meter frequency to get it away from the congestion. That frequency will link it to AC5C-5 switch in El Reno, which has its second port on 145.07. I wish Shirley and her team the best. Joe, K5JB

Protocol - The Rules

You who aren't interested in technical subjects can just skip to the next article, because this is going to get technical.

Sheesh! I am getting a late start on the C&E this month. Since I lack the time to make this article simpler, I won't try and simplify it -- I will just knock off one that discusses data communication protocols, and toss it in the mail. For the one or two who are still with me, here we go..

Protocol is a word that has be horribly overused by the technocrats for the last few years. The word "rules" was just not jazzy enough so they used an almost completely unrelated word to avoid saying "rules". Now that is out of the way, I will go ahead and use the word "protocol" myself.

In packet radio, as well as in all kinds of data communications, there are rules that govern how data is to flow, be recognized, tested for validity, etc. The fundamental linking protocol that is used in packet radio is called AX.25, since it is closely related to the protocol, X.25, used in telephone (land line) based networks. A popular model of the data communications protocols is a layered one, called the ISO model, that consists of seven layers that govern how data is managed. These seven layers are a good starting point for describing the way things ought to be, but they seldom work out that neatly. Amateur packet radio, consisting of a terminal, packet assembler/disassembler (PAD, but usually called a TNC) and a radio normally provides only connections between two amateurs using ISO model layers one and two. Layer one is the physical layer, two is the link layer, and around here the link layer is one form or another of AX.25.

When you add a computer at each end of the circuit, the distinction between layers becomes muddled (the technical term is "mishmash"). Sometimes all seven layers are present in the software and linking protocol. Each higher layer depends on the lower layers, and adds functionality to the communications process. The software I normally use contains a set of protocols popularly named by a conjunction of two of them, TCP and IP. TCP is Transmission Control Protocol, and IP is Internet Protocol. In addition to these two there is, for example, simple mail transfer protocol (SMTP) which is one of the most useful protocols in the suite. I use it to send and receive messages with my buddies.

Now with that protocol out of the way, I am going to dig into the AX.25 protocol a little bit and describe an interesting discovery I made this week, and some changes I made to my software to take advantage of (or deal with) it.

The most popular program people use to run TCP/IP on amateur radio is called NOS, which used to mean New Operating System, but I don't know what it means any more. Its author is Phil Karn, KA9Q. Phil originally started a program

he called NET, and that is what I use. Both programs are freely available to amateurs and the source code is also available, so there are a lot of variation of each of these programs. As far as I know, I am the only one who is writing things for NET to keep it current. (NET is fully functional TCP/IP, but Spartan; Steve, N5OWK, likens it to an MGB, while NOS is like a Lincoln Continental with mudflaps, coon tails, air horns, and a steer horn on the hood. It takes all of the computer's resources to run NOS, while NET will run quietly in the background with DESQview while the computer is doing other things. NET also runs on operating systems other than MS-DOS.)

There are dozens of people who are piddling with NOS. NOS now has so many features that I like to refer to it as a Bulletin Board with incidental TCP/IP. In fact, many people who run NOS, don't use any of the TCP/IP features at all. Many of the features in NOS are of questionable quality and value to amateur radio, and some of the "features" are really bugs (which I call NOS-boogers), and which are kind of disruptive, if not just ugly.

I became aware of a NOS-booger this week when watching Larry, WB5CQU, Double Oak TX, trying to send a message to Gary, KG5FV, in Lindsay OK. The message clearly wasn't going properly through my station, which was acting as a switch between ROSE and NET/ROM. My monitoring program was showing that it had some peculiar characteristics and wasn't following the rules that I know about. With some examination, I discovered it was using some kind of protocol I had never seen before.

When two stations are communicating keyboard to keyboard with AX.25 they are usually using only the layer two protocol. This is called the link layer and information frames are transferred with a signature, called a Protocol Identifier (PID) that says that there is no layer three protocol in effect. When NET/ROMs talk, they use NET/ROM PIDs, when ROSEs talk to each other, they use ROSE

PIDs and when TCP/IP stations talk the use IP PID over the AX.25 link layer. This data that was coming from WB5CQU's NOS station had a PID I later learned was called by Phil Karn, a "Segmentation" PID. Actually, I have never read anything about it so I don't know what Phil calls it, but I picked the name out of the Karn's NOS source code. I think I will just call it Karn's PID, because Karn is the only one who knows about it and uses it.

So why should I care? Well, whether by accident or not, Larry and Gary were trying to use it. If they were communicating without me intervening it would have been fine, but Larry was using ROSE, Gary was using NET/ROM, and I was acting as the go-between, or switch. With this arrangement, the IP frames are interpreted by my station and it looks up and establishes the way to forward them on to the destination. I kind of felt a responsibility to make the thing work. And, it is much easier to make my NET program work correctly with it than try to make a version of NOS to work correctly. So I set out on the modification process.

Here is how the NOS segmentation works: Normally when using the connected mode with AX.25, the TCP/IP program makes up packets of information consisting of an IP header (20 bytes), a TCP header (20 bytes), and finally the information to be transferred. In a 256 byte information frame the maximum data that can be sent in one frame is 236 bytes because 40 bytes are used by the IP and TCP headers. Also, this information frame contains an IP PID (0xCC) instead of the "No layer 3" PID (0xF0). Karn's NOS scheme uses a new PID (0x08) to signal that a packet is segmented. It inserts after that PID a byte that contains information about the sequence of the segment. The receiving station must be able to recognize the segmentation PID and queue up the segmented frames until all have been received before it can process the contained information. The byte following the PID has the high order bit set if it is the first of a sequenced set. The following seven bits are used to contain

the number of fragmented frames to follow. When this number is zero, all segments have been received. With this scheme 128 segmented frames could be sent in one set. If we don't bust the 256 byte AX.25 data size limit each frame can contain 255 bytes of data so a 32,600 bytes could theoretically be sent in one sequence. Maybe some computers could handle this, but my MS-DOS one couldn't!

(As I finally discovered, NOS's segmentation limits the segmented packet sizes to the normal packet length minus one, so instead of 256 bytes of information the packets contain 255. The first packet segment uses two of these bytes for the segment sequence numbering and the original packet's PID. Subsequent segment packets only use one of the data bytes for the segment sequence number. A stream of 255 byte information frames contain user data in a stream that looks like: First packet has segmentation sequence, IP PID, 20 bytes of IP header, 20 bytes of TCP header, and finally 213 bytes of user data; next and subsequent packets contain one byte for the segmentation sequence and 254 bytes of user data. The last packet contains the segmentation sequence and whatever user data is left.)

I am pretty observant of AX.25 and higher layer protocol progress, but this one went completely by me. I don't think any other networking schemes use the segmentation PID. As I read the AX.25 specification, this PID was incorrectly implemented because when a PID is going to have an extension on it like this one does, there is a proper way to do it, and the 0x08 PID isn't it; but, what the hay! This is amateur radio, right?

Adding the code to handle segmentation was simple enough, but making it work took me about three days! I made a logic error and testing was excruciatingly slow because I was using the one ROSE packet per hour from Dallas for testing. Then my computer's hard disk started showing signs of distress and I had to shut down things to do a data backup and low level

format. Finally, I put a NOS station on the air myself and watched things until I figured out what was wrong, and fixed it.

The segmentation scheme added over 1000 bytes to my program size so I set out to find some things I could compress to make up the difference. By a fluke of my editor, I noticed that there were two almost identical parts of the program that handle the ax25 things (actually the Link Access, Balanced Protocol -- LAPB -part). I finally had to resort to printing them out to make sure, and to properly combine them. This work recovered over 800 bytes alone! After combining some other things I wound up with a program smaller than before I started the segmentation. That os the kind of progress that I like to see -- add features while making the program smaller! Since I started working with NET it has had all kinds of things added and the size is quite a bit smaller.

I am still making sure all the things I changed work properly. This morning I discovered the Unix version of the program wasn't creating proper information frames so I am working on that. By the time I finish this I will probably have the Unix version working. Then I have to test it on Coherent (an operating system very similar to Unix). I have a buddy, Bob, NOQBJ, in St. Paul MN who tests the OS9/OSK version.

This is the kind of recreation that really entertains me and keeps my mind supple. There are a few, very few, who run NET as opposed to NOS. In fact, I just caught a glimpse of a message flying past from a guru in Chicago that said that one shouldn't fun NET anymore. Oh well, what do I care?

Incidentally, I am the IP address coordinator in Oklahoma, so if you are interested in trying out TCP/IP, contact me and get an address. Without one you will get nowhere, though you can still run NOS for the bulletin board it contains. I kid the NOS users by asking if it will take care of the user's checkbook, or do his taxes, yet, heh! TCP/IP doesn't really perform very well on the radio circuits we have around here, but it is a lot of fun to play with. On some of the experiments I have run at home the performance is quite good when the RF path is good. For this reason I don't recommend doing any kind of file transfer over the radio. Instead use the telephone for that kind of stuff and use the TCP/IP for managing your personal packet radio messages.

You might even enjoy adding to your technical knowledge a little and enriching your amateur radio hobby!

Joe, K5JB

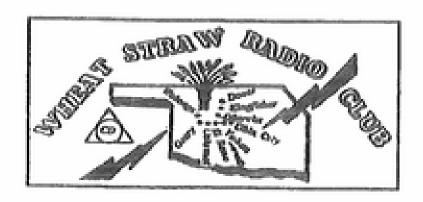
Wrapping Up

I really hadn't planned on this month's column to be so long, but the situation is kind of like Pascal's who said in a letter to his friend, "I regret that I lack the time to make this letter shorter."

In last month's C&E there was a request from someone for the editor to put a calendar of VE testing sessions in the C&E. That is a good idea, but an editor's job is to edit, not create the original article. As a club editor of long standing I can testify that it is almost useless to nag amateur radio operators to contribute to their magazine. Over the years I only received material from a handful of people, and if there was going to be anything contributed from my club, I had to do it myself. I recently started doing the page with the calendar and club officer and meeting date information because I had the tools to do it quickly (my new Vic-20 with 256 extra bytes of memory). However, I only know to put on that page what people tell me or what I read in the C&E. What you see is what I get!

The last couple of month's I happily typed up Ralph, WA5PFK's material, which is I guess why my name started appearing on the editorial staff. I will try to uphold Joe, WA5ZNF's corruption of the NY Times' motto, "If it fits, we print!" I don't think that Joe, I, or any of the other editors ever had a problem with too contributions for the C&E

Joe, K5JB



Minutes of October Meeting

The Wheatstraw meeting was held one week later than usual in order to reserve the northwest community center. The November meeting will be held on the second Sunday of the month.

Meeting was called to order by President Ray, AB5Z, We had two visitors, Bill Thompson, N5YVH, and Connie, KB5RJQ. They live in Enid. Bill was raised in El Reno.

Bill had several friends in a group that got interested in amateur radio. Bill joined them when they went to studying and received his ticket in 1991.

Connie received her ticket in May 1992.

The first thing on the docket was Leo's turnip crop. One measured 18 inches in circumference, or diameter, which was it? The larger one measured 19 1/2 inches. Truthfully, it was circumference. That is still some large turnips!

I think Leo os going to take one of his large pumpkins, chop a large hole in the side, and winter a herd of hogs in it. Ha!

There were twenty three at the meeting, including the two visitors. We had a good meeting. Before refreshments Tom, N5IKN, had set up everything to show a video he made last year at a meeting in Kingfisher. It showed Carl, WA7AZO, playing his guitar and singing several of our old favorite songs. He also did some yodeling for us. It was great that Tom had made the video. Carl is now silent key.

After the video, refreshments were served. There were at least five different kinds of sandwiches, vegetables, olives, cheese, cakes, pies, chips and dip -- any kind of food and drinks you would want. We have the best cooks west of the Mississippi.

Ralph spoke to the club about plans for the Christmas dinner, planned for Sunday, December 12. The End-O-Main counts the attendance by counting the plates used. The End-O-Main contact said, "Yes, the plates used would be counted when all of the group goes through the first time." She also wants each of us to register when we come in, and for us to pay the bill at that time. The treasurer can pay for all at once. Arrive early enough so we can start eating at 1:30 P.M.

Please give Ralph a count on the Wednesday net (146.61-) at 9:00 P.M.

Helpless or Hopeless

A lady's husband went over backwards in his recliner chair. He lay there so helpless, with his feet straight up in the air, hollering, "Help! Help!" The wife laughed so hard she couldn't help. What could she do anyway? He weighed over two hundred pounds!

Finally, the wife stopped laughing. She said, "Roll over on your side and get up."
That's what he did.

It's a good thing she was home or he would probably still be there with feet in the air, hollering, "Help!"

Real Friendship or Not

A friend of mine and her husband decided to take a second honeymoon vacation. They had been married quite a number of years and were finally able to take a nice trip for a weekend, or so. They decided on a nice place to go, quite a distance away.

The first day there they met another fine couple. In visiting they found that they were there for a second honeymoon also. They had come from several states away.

The two couples spent every day together, picnicking, boat riding, sharing all meals, and taking lots of pictures of each other. The parting had to come with each couple going its separate ways.

Soon after returning home my friend and her film developed. She and her husband enjoyed all the pictures very much. As Christmas drew near, they decided to make a nice album and send it to the other couple for Christmas. They sent it away with a wish for a Merry Christmas.

The last of January her husband and she received a very nice "Thank You" card from the man's REAL wife, along with a newspaper clipping of a divorce proceeding. What better proof could she have had?

Sgt. York, America's Quiet Hero

Alvin Cullum York was born December 13, 1887 in Pall Mall Valley of the Three Forks of the Wolf, TN.

York was born into poverty, one of eleven children of a hard working father and a deeply religious mother. York only had a third grade education when his father died in 1911. He helped work the family farm and blacksmith shop. He took any kind of a job he could get, including one at a lumber camp. There he picked up some distressing talent for smoking, card-playing, drinking, and bar room brawling.

That York did not end up as just another never do-well statistic was due, York later said, to the intervention of "God and Miss Gracie".

York was drinking with his friends at a town get-together when he saw a teenage girl he had known since she was a baby. Once he saw the grown-up Gracie Williams, he never drank, fought, smoked, swore, or gambled again.

He later explained that, "Miss Gracie wouldn't let me come courting until I quit my mean habits." York quit and said, "I was struck down with the power of love and the great God Almighty, all together."

Gracie was very religious, so besides

changing his habits, York joined her church, later becoming a second elder. He sang in the choir, read the Bible cover to cover, and taught Sunday School. With his life now in order, he had everything to live for when he received a notice from his draft board.

York despised killing, didn't understand the war, and did his best not to go. His appeals were rejected and he had to go anyway.

He kept a diary in a small memorandum book and wrote of his early days in Camp Gordon, GA. "Those were trying hours for a boy like me, trying to live for God and do his blessed will; then the Lord would give me help to bear my hard tasks. So there I was, the homesickest boy you ever saw."

York's spirits revived at target practice. Back in Tennessee he'd been the best shot for miles around and had even been able to shoot his initials into a tree riding on his donkey, stone drunk.

Stone sober, he was even better and he happily blasted target after target to pieces to the delight of his officers. But, he balked when they put up a human silhouette.

"Sir, I'm doing wrong. Practicing to kill people is against my religion", he said.

York was brought to the camp commander. They debated the Bible for three days, with the uneducated York fighting the officer to a draw. The commander allowed York to go back to Tennessee to think things over, promising him the longed-for exemption if he could not reconcile himself to the necessity of the war.

York took his Bible to a hilltop and sat there for two full days.

He never fully explained why he decided to return. His shooting skills won him the rank of Corporal, and he was sent to France. He and his company ended up at Argonne Forest in northeastern France, just south of Belgium, where the Ger-

mans had set up their unbreakable Hindenburg Line.

It was there, in a battle that began at exactly 6:10 A.M. on October 8, 1918, that the conscientious objector became a war hero.

Alvin York was the most famous hero of World War I. He single-handedly captured 132 German soldiers, killed another 25, and silenced 35 machine guns.

This feat, performed in under four hours during the battle of the Argonne Forest is still the biggest one-man catch in recorded military history. His weapons were one rifle, and when it ran out of bullets, a pistol.

York's solo victory so disheartened Germany that it was cited as one of the factors in Armistice one month later, on November 11, 1918. General Pershing called York, "The greatest civilian soldier of the war." France's Marshall Foch said, "What you did was the greatest thing accomplished by any private soldier of all the armies in Europe."

York received a promotion from Corporal to Sergeant, as well as over fifty medals from France, England, Italy, and the United States, including our highest award, the Congressional Medal of Honor. The stock market gave him a standing ovation, as did Congress.

There is a lot of his life I am leaving out due to space.

He told the Saturday Evening Post, in the April 1919 article that cemented his fame, he was proud of the fact that throughout the entire inferno, he hadn't uttered, "a single cuss word".

Three weeks after setting foot back in the states he and Gracie were married by the Governor of Tennessee on the rock ledge where they once met. Two thousand people attended the ceremony. They newlyweds moved into a farmhouse given to them by the people of Tennessee, built on land his ancestors had once owned but

had been forced to sell.

York tried to forget his army life, but people would not let him. He set up a foundation that would provide an education for poor children of the region. He threw himself into his church, his charities, and family, since he and Gracie had seven children.

York tried to avoid the limelight, always saying, "Uncle Sam's uniform is not for sale."

In 1940 Mr. Lasky decided to try again to make a movie of York's army life. Lasky tried so many times, he thought this time he must have a convincing story. It was in 1940; he told York that America was going into another war. It was his patriotic duty to tell his story to inspire frightened troops. After 21 years York did agree, but the movie had to be of York's special provisions by contract, and witnessed by the Governor of Tennessee.

The film had to be accurate. Though York would not take any money personally, his royalties had to be used to set up a Bible School.

Perhaps most inspiring of all was that in the 23 years between World War I and the film's release, York was an untarnished hero. He was untainted by ego, greed, or scandal. He had gone back to his home town and his sweetheart and lived a quiet life of faith and work. If he could come through the fire unscarred physically, or spiritually, perhaps America could too.

But peace time would be harder on York. True to his word, he had donated all of the early \$200,000 he received from the film to his Bible School. However, the Internal Revenue Service ruled that the money was personal income, and hit him with fines, back taxes, and interest totalling \$172,000 in 1951.

York was threatened with the loss of his farm and his home. He was more deeply hurt that his country was now accusing him of cheating. He said bitterly, "I paid them what I owed them.", and fought the IRS for ten years. When Sam Rayburn, Speaker of the House of Representatives, heard of York's plight, he began a public fund raising drive to pay off the tax.

Stung by the comments and bad publicity the case engendered, the IRS settled for the \$25,000 that Rayburn had raised to that point.

York's problems were far from over. In 1954 a stroke put him in a wheelchair for the rest of his life. Gracie tended him devotedly. His illness and IRS problems, plus his chronic over generosity, drained his limited income from his farm.

The DuPont family of Delaware set up a trust fund that gave him a monthly \$300 income for the rest of his life. He died September 2, 1964.

When Sgt. Alvin York came home from the Army, he would set for hours silently at night staring into the hills. When asked what he was thinking about as he killed Germans, he said that he prayed for forgiveness for killing; he prayed for the souls of the men he was forced to kill; and he prayed that they would surrender quickly so he wouldn't have to kill any more of them.

A woman who was a good friend of York's tried to get a postage stamp made as a commendatory to York before his 100th year, so that every American can remember and thank Sgt. York for his way of life as a Hero.

She has failed, but if you feel in your heart that he deserves to be on a stamp as much as Elvis Prestley, you can help. Write to:

Sgt. York Stamp 208 E. College, Suite 271 Branson MO 65616

The November 14th Wheatstraw club meeting will be at the Christian Church in Dover, OK. It is located on Highway 81, across the street from the Post Office. Ralph, WA5PFK

VE Examination Schedules

VE Exams on 3rd Monday of each month sponsored by C.O.R.A. 1800 at Salvation Army HQ at NW 50th and N Penn, Okla 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 at Hillcrest United Methodist Church, 5751 S. Penn. Handicap & Special exams available. Call 632-0225 for more info.

VE Exams on 4th Tuesday of each month are held at 1900 in Bethel Acres Community Center/Fire Dept. near Shawnee.

VE Exams on 2nd Saturday of each month are held at 1000 in Red Cross Center in Norman. Call Jim Copeland, 329-1681 for info.

VE Exams in Yukon, schedule unknown, Call Paul Thompson, N5PT, 354-6623 for info.

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OKLAHOMA STUDENT INVENTORS EXPOSITIONS, INC.

8230 SW 8th St., Oklahoma City, OK 73128 Phone 405/376-2362 or 405/670-3131 A 501(c)(3) Organization

October 4, 1993

TO ALL ELMERS

CALL FOR HELP

FROM: WILLIAM L. ENTER, SR., KB5NUA

The Oklahoma Student Inventors Expositions, Inc. is including amateur radio in its 1994 Oklahoma Student Inventors Exposition which will be February 9, 1994 at the State Capitol. The event will be from about 8:00 am until about 2:30 pm. This will be an excellent opportunity to showcase amateur radio. There will be 180 of Oklahoma'a brightest young minds exhibiting their creations. Their teachers and parents will also be there. We want to introduce them to amateur radio in a unique way. We want them to come back in 1995 with amateur radio inventions.

This will be a CHILDREN-TO-CHILDREN activity. We would like to have General Class or higher hams who are teenagers and preteens. An equal number of girls and boys would be nice. We will need about six, perhaps eight. They would operate as the control operator using their own call igns.

We especially would like to check into a special meeting of the ALL SCHOOLS NET between 9:30 and 10:30 am that day. Therefore we would appreciate someone donating the use of HF equipment which can operate on 28.303, 21.325 or 14.325 MHZ at that time (propogation may be a problem). We would like for the donors to Elmer the young hams by training them how to use it (if they don't already know how). We have permission to erect antennas on the north side of the Capitol that day. We may drive guywire stakes if we do not disturb the turf much. We will need something like a dipole for those frequencies (or a multiband antenna). The dipole would give us broader coverage but at the expense of needing more power. The narrow wedge of a beam would be undesirable.

Other equipment we want to showcase is ATV, packet, RTTY, fascimile, etc. We also want some homebrew stuff. A solar powered homebrewed GRP rig would be nice. We are negotiable on all equipment. There is a space limitation. All equipment must fit onto two 3 x 8 foot tables. Cables will run along the floor to the antennas.

We invite all clubs and individuals to take part. If you have questions, please call me at 376-2362.

Sincerely,

73

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William L. Enter, Sr., KB5NUA

	The state of the s						AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	
FAA, S Pres: Sec/Tr: AstVP: AstVP:	Aeronautical Center A First Thursday, Flight Standar Jouth MacArthur, 7:00 P.M. Jack Iman, WB5SVN Brad Nelson, KJOW Harold Todd, WA5VAQ Charlie Greene, WA5JGU Jack Iman, WA5SVN		Pres: VP: Sec/Tr:	Altus Association 7:30 P.M. Second Thursday No Fire Station (CD), Altus Jim Romines, KI5 YY None Bob Heron, KE4BN Jim Romines, KI5 YY	orth Main	Pres: VP: Seo: Treas:	Cimmaron ARS 7:30 P.M. second Thurs. W 827 S 13, Fairview Terry McColl, N5MLT John Medley, N5WVU Dennis Painton, WK5V Nadine Painton, N5FMH John Medley, N5WVU	X5Y Playhouse Area code 405: 227-3672 227-3534 764-3599 764-3599 227-3534
2.	Oklahoma Central VI	JE ADC	9.	Wheatstraw ARC				
						15.	South Canadian AR	
Meets:		skillet	Meets:	2:30 P.M. 2nd Sunday, Location	on Varies.	Meets:	9:30 A.M. Second Saturday	
	3401 N. Classon Blvd, OKC		1	See club section for details.			Bldg. North OU Campus, N	
Pres:	J Frank Fields, KB0QJ	789-8469	Pres:	Ray Bames, AB5Z, Longdale	274-3334	Pres:	Don Schader, KISTP	321-9649
VP:	Bill Noland, WA5FWD	354-5018	VP:	Neal Kappus, N5KCO	262-1551	VP:	Mike Winkel, NSSOF	366-8639
Sec:	Joe Buswell, K5JB	732-0676		Joe Garland, WA5FLT, Calum	et 893-2660	Treas:	David Gates, N5LCL	392-5677
Treas:	Ellard Foster, W5KE	789-6702	Editor:			Seo:	Gary Skaggs, WB5ULK	799-5363
Editor:	Joe Buswell, K5JB	732-0676	R	alph Wilder, WA5PFK, Waton	ga 623-5421	Editor:	Gary, WB5ULK & Ken Br	own, N5KUK
3.	Mid-Oklahoma Repea	ator, Inc.	11.	Edmond AR Society		16.	Edmond AR Club	
Meets:	1st Tuesday, 7:00 P.M., Favor		Meets:	Odd months, 3rd Sun., 2:00 P.	M. Edmond	Meets:	7:00 P.M. Second Monday,	Various
	36th & S. Western, OKC			EOC; Dinner Even Months, 3re			Locations	
Pres:	Scott Walsh, N5NYS	787-3804	Pres:	Ken Stepp, N5DBM	341-4874	Pres:	Mark Northcutt, WD5DYI	755-4672
VP:	Larry Benedict, N5VYC	728-7824	VP:	Terry Tiller, KB5RQT	373-4141	VP:	Wendell Cochran, WB5ISC	
Sec:			Sec:	Lynice Hamlin, KB5FOH	427-2828	Sec/Tr:	Kay Northcutt, WD5DYI	755-4672
Treas:	Robert Moose, N5QKI	720-0073	Treas:	Ed Granger, KB5DZU	348-3454		•	
	Dean Ward, N0PAD	681-4606	Editor:			Trustee	: Dennis Orcutt, WB5ISN	340-0034
4.	OK City Autopatch		12.	Oklahoma Packet Rad	io Assn.	18.	Great Plains ARC	
Meets:			Meets: At Major hamfests, Green Country, Ham		Meets:			
	N.W. 50th & Penn.	· auvar rutuy		Holiday and Texoma		arawwe.	2914 Osage Dr, Woodward	
PR:	Brad Nelson, KJOW	793-9470	Pres:	Hank Blackstock, WA5JRH	722-0640	Pres:	Bob Bayles, WB0GAX, W	
VP:	Tom Webb, WA9AFM	737-6716	Editor:	Hank Blackstock, WA5JRH	722-0640	VP:	Andy Taylor, N5LRR, Wd	
Sec:	John Brassfield, N5SAM	685-8070		,			Rod Ford, WB5OVT, Gago	
Treas:	Mike Begley, N5VIT	732-2827					reida Patterson, N5EOX, W	
	Tom Webb, WA9AFM	737-6716					Phillip Perry, N5QCN	938-2453

Central Okin Radio Amateurs: Meets: 7:30 P.M. 4th Tuesday, Salvation Army, Penn. and NW Highway, OKC (back door)
Pres: Rick Masters, N5WNR; VP: Kathy DeGraffenreid, AA5RU;

Sec: Jim Buswell, N5BEQ; Treas: Tom Mangham, K5LDI, 677-5291; Editor: Scott Walsh, N5NYS, 787-3804
Note that the original four clubs that formed CORA were Aeronautical Center ARC, VHF Club, MORI and OKC Autopatch.

19						93
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	² MORI	3	⁴ Aero Center	5	6
7 Great Plains	* EARC	9	10	11 Veterans Day	12	13 VE TEST SCARS
14 Wheatstraw	15 CORA VE TEST	OCAPA	17	18 Altus Cimmaron	19	²⁰ VHF Club Sat. VE Tst
21 EARS	22	23 C&E Edit CORA	24	25	26	27
28 VE Exams 1st Sunday of each month	29	30				