

Collector & Emitter

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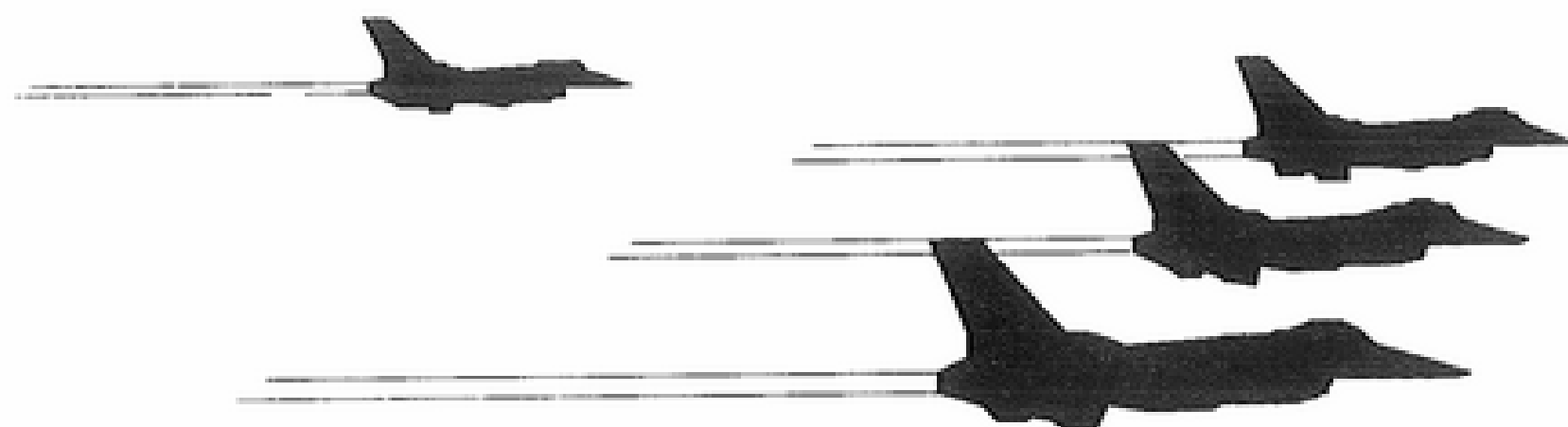
Postmaster See Page 2
For Postal Information

Periodical Mail

YL/XYL Net

Fuji3 Launched

Chuck Whilhite, K5NK SK



*We honor those who are
Gone.*

Tribute to Friends

Joe Buswell, K5JB SK

New RF Safety Standards

New Life for Old Heathkits?

Collector & Emitter**Harold C. Miller, KB1ZQ****Editor****Linda G. Miller, N1LPN****Circulation Manager****Central Oklahoma Radio
Amateurs, Inc.****President: Harold Miller, KB1ZQ****V Pres.: Louis Kennedy, KC5ABI****Secretary: Forrest Rush, N5VWF****Treasurer: Perry Jenkins, KB5TOT**

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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 let us know. Below is a sample label:

2	96/12	2
JOHN E. DOE, KA5ABC		
1234 SW 56th STREET		
RADIOVILLE, OK 74321		

The "2" means VHF Club, "96/12" means the year/month C&E subscription expires. The "2" is for postal zones.

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When you want a change of any sort to your membership, you must completely fill out 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 Deadline of each month. If there is anything about C&E subscriptions you need to know, please contact us.

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1. Aeronautical Center ARC Meets: 1930L, 1st Thursday, FAA, S. MacArthur, OKC Pres.: Bob Kremer, WA9FCT 381-3182 VP: Chuck Bryant, KB5ZVZ 737-0423 Sec/Tr.: Brad Nelson, KJ0W 793-9470 Editor:	11. Edmond Amateur Radio Society Meets: Odd Months, 1400L, 3rd Sunday, St. John's the Baptist, Even Months, Dinner, 3rd Friday Pres.: Edith Vaughn, KA5YPX 348-2961 VP: David Wolfe, KC5KJE Sec: Jim Rymearson, KC5MJS 348-2643 Treas.: Clara Granger, KG5UG 341-2968 Editor: John Thomason, WB5SYT 340-1796
2. Oklahoma Central VHF ARC Meets: 1100, 3d Saturday, Ashley's Country Kitchen I-40 & SE 15th St., Del City Pres.: Jackolyn Olsen, KA5ENU 842-2305 VP: Ken Eason, KF5JS 789-2200 Sec: Treas.: Ellard Foster, W5KE 789-6702 Editor:	14. Cimmaron Amateur Radio Assn. Meets: 1930L, 1st Thursday, WX5Y 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
4. Oklahoma City Autopatch Assn. Meets: 1930L, 3rd Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (Back Door) Pres.: John Brassfield, N5SAM 685-8070 VP: Loyd Hargrove, AB5I 391-5723 Sec: Sam Binkley, KL7V 942-2600 Treas.: Bob Kremer, WA9FCT 381-3182	15. South Canadian ARS Meets: 0930L, 2nd Saturday, Red Cross Bldg North OU Campus, Norman Pres.: Michael McEwen, KC5GJL 329-2615 VP: Mike Divilio Jr., KC5GRZ 360-3236 Sec: Randy Ridenour, WB5RWN 329-0967 Treas.: Sara Byer, KC5ABA 321-1673
6. Altus Area Amateur Radio Assn. Meets: 1900L 2nd Thursday, Southwest Technology Center, Altus, OK Pres.: Mike Brown, KK5ZB 481-6138 VP: John Mealer, AB5WQ 563-9252 Sec: Lil Town, KC5CNA 477-4027 Treas.: Mart Dennis, KC5NAX 477-2988 Editor: Dave Locke, KC58II	17. Ada Amateur Radio Club Meets: 1000L, 1st Saturday, Basement Ada City Hall 231 South Townsend, Ada, OK Pres.: Roy Throne, KB5STV 436-1019 VP: Dwight Myers, N0RIW 436-4755 Sec: John Burchett, KC5EJC 332-1063 Treas.: O. J. Collins, KC5DYX 332-7878
8. Choctaw Amateur Radio Club Meets: 1900L 3rd Monday, Eastern Oklahoma Co. Vo Tech, 4601 N. Choctaw Rd, Choctaw, OK Pres.: Bill Crossland, N98QV 390-1514 VP: Hub Peery, W5GYX 275-8036 Sec: Larry Anderson, KB5ENP 672-4590 Treas.: Bill Tarkington, KC5ICR 390-8751 Editor:	19. Tenkiller Area ARC Meets: 1300L, 2nd Saturday, OCT, JAN, APR, JUL Cookson Fire Dept., Cookson, OK Pres.: Mike Clemons, KESNU 918-463-3287 VP: Clyde Stottlemire, W5TQE 918-457-5959 Sec: Dick Wells, KH6FHS 918-457-3463 Treas.: Norma Wells, N5PNP 918-457-3463 Editor:
9. Wheatstraw Amateur Radio Club Meets: 1430L, 2nd Sunday, Location Varies Pres.: Johnny Fish, K5GBN 893-2227 VP: Neil Kappus, N5KCO 262-1551 Sec/Tr.: Joe Garland, WA5FLT 893-2660 Editor: Ralph Wilder, WA5PFF 623-5421	CORA is Growing!! Room For Another Club's Officers Here. Let US Know of any Clubs wanting Information On Joining CORA.
10. Oklahoma DX Association Meets: Hamfests and as announced in C&E. Pres.: Jim Hood, W5SS 405-732-6131 VP: Ross Hunt, K5RH 918-234-5050 Sec: Jeff Martin, K5WE 918-486-6493 Treas.: Mark Byard, N5OGP 405-762-1966 Editor: Mark Byard, N5OGP 405-762-1966	Central Oklahoma Radio Amateurs Meets: 1930L, 4th Tuesday, Salvation Army Bldg NW 50th and Penn, OKC (BackDoor) Pres.: Hal Miller, KB1ZQ 672-7735 VP: Louis Kennedy, KC5ABI 321-8992 Sec: Forrest Rush, N5VWF 842-8486 Treas.: Perry Jenkins, KB5TOT 354-5075 Editor: Harold Miller, KB1ZQ 672-7735

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Central Oklahoma Radio Amateurs, Inc.

Minutes of the CORA meeting for August 1996.

The meeting was called to order at 7:35 p.m. by the president of CORA, Hal Miller, KB1ZQ. Five clubs were represented with twelve people in attendance plus three visitors.

The July minutes were approved as printed in the *C&E*; the treasurer's report was passed around, discussed and approved without objection.

C&E Report. The editor gave the C&E report; he needs more minutes and articles. The date of publication is the Friday after the CORA meeting, so please get articles and minutes in on time.

Explorer Post. It was moved by Jerry, KJ5KP, that the explorer post that handled security for HH96 be given a donation for the job they did. Seconded by Tom, N5TCG, passed without objection.

VE Testing. At Ham Holiday 96 we had 34 or 35 people test; seven people got their first amateur license, and twenty-two or twenty-three people upgraded to higher licenses.

Ham Holiday 97. After discussion, it was decided to keep Ham Holiday's prices at the current level, and to have it at the fairgrounds on the same date. Keep the last weekend in July open. So Moved by WA9AFM, seconded by N5BEQ, and passed without objection.

CHUCK WILHITE, K5NK. Chuck Wilhite, K5NK, passed away Sunday, August 25, 1996. He will be missed by everyone in Amateur Radio in the State of Oklahoma. He was a past president of CORA, a past president of OCAPA, and I personally will miss him a lot.

CORA would like to do something to honor his memory. Please talk about this among your respective clubs, and bring your ideas to the next CORA meeting.

Elections. CORA elections are next month. Talk about it, and show up at the next meeting.

C&E prices. The C&E has not raised its subscription rate since 1991; the editor will put together some numbers so that the board can discuss it. Talk about it among yourselves, and make your views known to your board representative. This probably will not be voted on until November.

The president of CORA gave the board officers white T-shirts with their call and length of service.

The President of CORA was given a round of applause for the wonderful job he has done.

CORA Meeting. The next CORA meeting will be held on the 24th of September at 7:30 p.m. at Salvation Army Divisional Headquarters, located at NW 50th street and N. Pennsylvania Ave. in OKC. This is when we elect our officers for the next calendar year. *Be there!*

Respectfully submitted,

Forrest Rush, N5VWF
CORA Secretary

From the President;

The amateur radio community has experienced a great loss this past month. We have lost two of our most active members.

On Sunday, August 25th, Chuck Wilhite, K5NK passed away in the night. Chuck was laid to rest on Tuesday with a very good memorial service. The church was barely standing room only for this service.

Chuck had been a past President of CORA, OCAPA, the 76ers, MORI, and active in QCWA. Whenever something needed to be done or help given Chuck was there. His articles and humor will be

surely missed. Chuck could always find something funny to write about in times of stress. Chuck's contributions to this newsletter will be rerun in future issues.

Another who will be missed is Joe Buswell, K5JB. Joe passed away Thursday, August 29th after a battle with cancer. Joe was a staunch supporter of the Collector and Emitter, having been involved since its conception in the 1970's. Joe wrote the articles for both the Central OK VHF Club and Wheatstraw Amateur Radio Club.

Joe was a strong individual who spoke his mind on many issues. He was often a sounding board for the editorial staff of the C&E. If a question was to come up reference a questionable article or letter we would seek his advice and input.

Joe also operated several PBBS in the Midwest City area and these have now been shut down as there is no one to operate them.

Both of these gentlemen will be missed and filling their shoes will be almost impossible. Both had unique talents and opinions. We of CORA will greatly miss these gents and send their families our condolences.

Moving on to other subjects, elections are coming up this next month and we are looking for a good turnout to help us select a slate of officers.

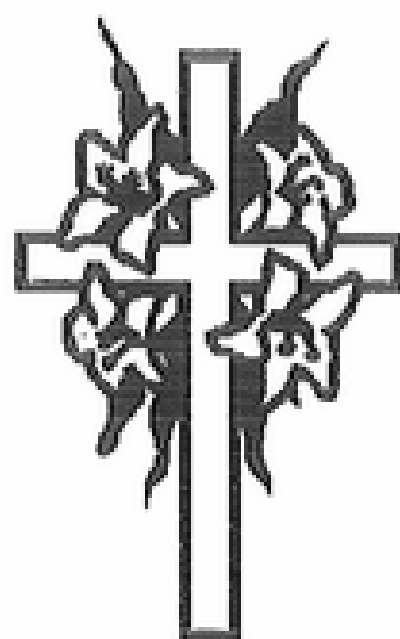
We also need to discuss over the next few months the finances of the Collector and Emitter. We need to find a way to raise funds to support the C&E to keep the publication up to the standards it now meets.

The things coming up for the next year is the want to get the state ARRL Convention and maybe the West Gulf Division Convention for our 25th anniversary. So we need to get involved and keep CORA going.

Please come out to the CORA meeting and get involved.

73,

Hal, KB1ZQ



Chuck Whilhite, K5NK SK

CQ FD CQ FD CQ FD DE K5NK K5NK
K5NK K

We will no longer hear that melodious CW exchange pierce the airways in June unless one the Wilhites upgrades and gets Chuck's call. We will not hear his melodious voice or laughter. We will not read new articles from his pen, but.... we can remember. We can remember the Chuck with coffee cup in hand and ready to lend moral support to the tower crews. Chuck was a storyteller too -- always ready with a funny story. Chuck was volunteer. He, in the past, served as President of several ham radio clubs. He was President of C.O.R.A the first full year I was treasurer. He served many years as a Volunteer Examiner. He volunteered many hours during the aftermath of the Federal Building Bombing here in Oklahoma City. He had spent the last several weekends assisting the Oklahoma Search and Rescue team try to find a missing young girl. He also helped with scholarship selections and spent countless hours helping put together and running many Ham Holiday Hamfests.

Chuck was a family man. He always spoke with pride about his wife, children, and grandchildren. Chuck also supported many youths, he and Sue followed the lives of students that passed thru Sue's class room. We should all be so interested in our youth.

I remember the coffees, breakfasts, lunches and of course the "Audubon Society bird watching" excursions. I remember the good advice and the guidance. I remember the cheerful on air greeting "Well hello Tot". What I can't

remember is the first time I met him, it seems like I have known him forever, although the time was much too short. It seems he has always been my friend.

Chuck, I am sorry for those who will not get to know you as I did. Their life will not be as enriched as mine. Tnx Chuck, for the good times and good memories...CUH (see you in heaven). One last 73 until then DE KB5TOT.

Joe Buswell, K5JB SK

It is my sad duty to report the death of a second amateur radio friend in the past week.

Joe Buswell, K5JB died this afternoon (Thursday, 29 Aug) around 1600. Funeral arrangements are currently incomplete, but whatever services are to be held will not occur until Tuesday, 3 September or later. I will provide the info as it is made available.

Joe was extremely active in many phases of amateur radio and most recently was truly an Oklahoma pioneer in the realm of packet and other digital forms of amateur communication. Joe was one of the very first (if not THE first) amateur on packet in the state of Oklahoma. He had run a Packet BBS on an old Apple 2 computer for many years. This was the FIRST packet BBS in Oklahoma. He was the state coordinator for TCP/IP addresses. He operated SEVERAL VHF and UHF packet and TCP/IP forwarding links and was one of the truly knowledgeable individuals regarding various versions of the NOS digital communications software programs.

Joe had been a mainstay for many years of the Oklahoma Traffic and Weather Net on

3900 kHz each weekday afternoon. He was similarly active on the Oklahoma Phone and Emergency Net which is conducted on the same frequency on Sunday mornings.

Joe and other "gurus" of digital communication within Oklahoma and some surrounding areas also had an informal info net on 3883 kHz every Saturday morning.

Joe had provided technical expertise and advice for many years to the Oklahoma Repeater Society Inc. (ORSI) and had done the same for even longer to the informal group which was the predecessor of ORSI.

I had known and worked very closely with Joe on various aspects of amateur radio for almost 25 years. It is extremely hard for me on a personal basis, to say nothing of the amateur radio aspect, to realize that I have lost another good friend within four days.

Few amateurs are aware of it, but Joe was an accomplished guitarist, who played professionally during the 1960's at local coffee houses. On several occasions, Joe, I, and a few other local hams who had a bit of musical inclination gathered at my home for some pickin', grinnin', laughin', and drinkin'. Joe had played with John Denver back when he was still John Duesseldorf. I wish that we could have gotten together for more of those good times.

So long, old friend. May your new QTH always have good propagation, reliable power, and bug-free software.

73
de Mac/K2GKK @
K2GKK.#OKC.OK.USA.NOAM

The Joe I knew

by N1LPN

Many knew Joe, K5JB longer than I have. He was my anchor and mentor. It was Joe I would turn to when in doubt and for encouragement and to tell me if I was off base or not on issues. He always asked to remain in the background and allowed me to stand before you alone. When we felt we had taken over a task beyond our capabilities, he was always there to listen and advise. Now he has left this earth and I feel an emptiness inside. His death was not a shock or a surprise because he told me himself he would be leaving me soon. He said he knew too that I would be fine because he had taught me well.

I remember the call he made telling me for first time he knew something was wrong with his health. He was so positive that he could beat the odds and I did too. At first, things seemed to be working and he was feeling better. We would spend hours on the phone talking about everything and anything.

Then the day came when I knew he had taken a turn for the worse, he asked for help with his yard work. Joe loved his yard, the trees, plants and telling of the changes it had gone through over the years. I would go with Mike and as he mowed the lawn, Joe and I would visit. We would sit in folding chairs watching Mike and bring each other up to date on events. Each visit, Joe became weaker and kept trying to find a solution to his illness.

I would not trade any of the hours I was blessed with in Joes' company. I listened when he told me he knew there was nothing the doctors could do and that he had accepted the fact he was dying. He said he had lived a full life and that he felt pretty lucky. He talked about the direction too that ham radio had taken and how much he was glad he wouldn't be around to see it fail. I said it might change but would not die and he told me I was too young to know what it use to be like compared to what it had become today.

The last call I made to Joe was to tell him of Chucks' passing. Joe said he was not

glad to hear the news but would be seeing Chuck real soon. Joe was in constant pain and had been for some time. He refused family help until the very last because he did not want to burden anyone.

To tell you about the Joe I knew I would use these words. He was honest, said it comes with age because by then you really don't care if others agree with you or not. He was gentle and cared about others he held dear. He had a thrust for knowledge and was always reading up on something or another. He never vegetated but was always tinkering on a project or problem. He was a private man, a humble man. He never bragged. He was my friend whom I loved and will miss dearly.

This is for you dear friend...one day we will meet again,

Linda

How do you remember ?

It was a week ago this morning that I received a call from Brad, KJ0W telling me of the passing of Chuck Whilite, K5NK. My first concern was for his family and what had caused his sudden death. Then I started calling members of OCAPA to tell them that a friend had gone. By early afternoon, it was the main discussion on the 82 repeater.

Chuck was a part of the foundation of the OCAPA organization, as well as a stable voice of logic in CORA. I looked to him for guidance and as a friend.

Chuck, with the help of Don, N05M helped me purchase my first HF rig, a Kenwood TS-520S. He told me that Don had a good reputation, and that the rig would be a good one. With the help of Mac, K2GKK, I learned to tune the tubes and make it work.

During Chuck's service, the minister said Chuck always had a hug for the girls. When my daughter, Shannon, KB5RBX got her ticket in 1991, he offered her assurance and encouragement. With his support, she sat up all night at Field Day '92 working CW (not bad for a Novice). He always wanted the latest update on her

music and her boyfriends. Chuck wasn't happy with her choice of college (OU) or with her last boyfriend, but he still loved her as if she were his granddaughter.

Saturday, the day before he died, Chuck and Sue spent the day working with the Heartland Search and Rescue team looking for a child that has been missing for several weeks. The Tuesday before that, he drove the train and blew the whistle during the OCAPA officer elections. He would meet me for lunch anywhere I was during the day.

Chuck was a master at putting up towers and antennas. It was under his leadership (we knew he was a leader, because he always had a cup of coffee in hand) that many towers were stacked or taken down. The only tower lost to a storm, that I remember, was the top sections of John, NJ1V's, but John had used a commercial tower crew to put it up. They should have listened to Chuck.

During Field Day '96, Chuck worked endlessly to make sure the group had food and a good time. With his coffee and his call, the group earned over 10,000 points this year.

Most folks will remember Chuck as the guy at Ham Holiday, giving away the prizes. At HH '94, he asked me to assist him with the drawings. At HH '95, as CORA president, he asked John, NJ1V and I to do the drawings. Boy, did I find out how much work that was to stand in front of nearly a thousand folks wanting the big prize. To this day, I haven't figured out how he got to park his red truck in the building.

In knowing Chuck nearly 6 years, I have seen him furious at the activities of a group in CORA. He was as proud as a new father when his wife and youngest son got their licenses. I have asked his advice on things about OCAPA. He always represented himself with confidence and dignity, even while eating dinner at Hooter's before the CORA meetings. I will always be proud to say that Chuck Whilite was a good friend.

John Brassfield, N5SAM

Tribute to K5NK

Here are my thoughts that I would like to share with everyone:

Howdy! My name is John Guida -- my call is NJ1V.

I got into ham radio in 1986, when I was 47 years old. Ham Radio has become a very important part of my life, but I often wondered why I became interested in this hobby, especially at such a late time in my life. For those of you here who know me, you know that the contesting aspect of the hobby holds great attraction for me. But the best part of the hobby for me has been the people that I have met. And I am so grateful that I did get interested and was able to make so many friends

There is Chuck Wilhite His call is K5NK. Chuck is my very good friend.

I met Chuck when I attended my first meeting of the Oklahoma City Autopatch Association in September of 1990, having moved to Oklahoma City from Bentonville, Arkansas.

We became instant buddies! Chuck was the kind of guy you get to be "instant buddies" with.

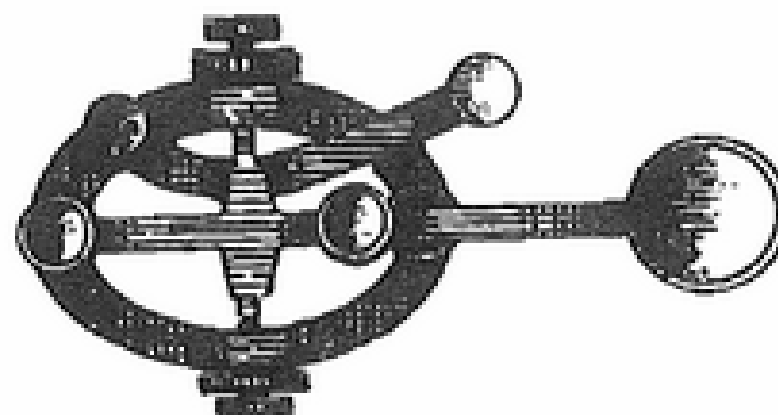
For me, Chuck was an "every day" friend. It was an easy, comfortable relationship. Because that's the kind of man that Chuck was - an easy and comfortable guy to be around.

There were many things that made Chuck this easy and comfortable guy to be around. Some that were important to me were:

- His sense of humor - he laughed and joked easily. And he laughed with you, not at you. Lord, we really used to cut up! Whether we were fooling around at Hooter's before a CORA meeting, presiding over an OCAPA club meeting, or talking on the radio or the phone, Chuck was always ready to joke around and laugh. He also liked to poke fun at his ham buddies, and members of the

Autopatch Association, which he did pretty regularly in the club newsletter. And Chuck could take having fun poked at him. I'll never forget how he got after me whenever he found out that someone on the Nite Owl net had a big white cat named "Mr. Victor". After that, Chuck stopped calling me just "victor" and would refer to me as "Mr. Victor", especially on the radio!

- His loyalty - Chuck had many loyalties - his wife Sue, his children and family, his faith, his friends, and his participation and willingness to help whenever and however he could. And his loyalty was genuine. Chuck volunteered for whoever or whatever he could help with. Whether it was giving Morse code tests every month,



- running around getting supplies for Field Day, arranging for fairground building space for Ham Holiday, or working at the Salvation Army during the Federal Building Bombing aftermath, Chuck was always ready to go for the next time. I understand that the day Chuck left us, he had spent most of the day serving as net control in the search for Crystal Ditmeier. Chuck was also always there for me, whenever I was needing help to put up or take down towers and antennas. Although I would constantly have to go behind him to remind that he couldn't get much done with a cup of coffee in one hand! Chuck was also a sounding board for me. I knew that if I ever had to get anything off of my chest, Chuck would be there to listen.

- His friendship - no conditions - no dues - not confusing - it wasn't there one day and gone the next. And people that were Chuck's friends were the same way with him. Whenever I walked around with Chuck at events such as Ham Holiday

or Ham-Com in Dallas, I was always amazed and somewhat awed at the number of people that would stop him and talk to him - ham acquaintances from over the years that still valued his friendship. Chuck was such a good friend to me that I called him regularly after we moved to Texas. I used to wince everytime I got my cellular phone bill because of the calls I would make to him on my long commute home in the evening, a good time to shoot the breeze. But the bills didn't keep me from continuing to call.

- His uncomplicated way of being - Chuck never had a hidden agenda - what you saw and what you heard is what you got.
- His kindness - you know, I never heard Chuck say anything bad about anybody. We certainly used to sit around and discuss alot of things and alot of people, but I can't ever remember him saying anything bad or vindictive about anyone. And a few times he had the right to be vindictive! And I even encouraged him to be vindictive. But he wouldn't. That's the kind of guy Chuck was. After Leonard W5MEL passed away, Chuck used to tell me that after he retired he wanted to fill in for Leonard, being around during the day to talk to hams on our repeater that were just passing through town, or new hams needing help. Someone else needs to step up to that now.

As I said, I met and grew to know Chuck as a result of my good fortune in becoming interested in the hobby, and our common interest in ham radio. I never knew much about his non-ham radio activities, but I'm sure he was just as active in them as he was with his amateur radio interests. And I'm sure he was just as loved, and will be just as missed.

There is Chuck Wilhite His call is K5NK. Chuck is my very good friend.

He's now 599 Heaven!

73 and 88 Nkie! CU down the log!

Chit-Chat

by Linda, NILPN

I had not planned to write anything this month but changed my mind due recent events. I truly believe that everyone will be happy when summer is behind us. Personally, it is one I would not like to repeat. Death needs to take a holiday somewhere on the moon for a few months. But it is all part of our Creators' plan that death be a part of life. Still it does not make it easy to accept the death of a loved one. So, lets talk about life instead of death. Are you living are just existing?

We all have this very bad habit of putting things off until tomorrow, betting on the fact there will be a tomorrow. Some of us also tend to put work and personal interests before family and friends, figuring that they will be there when we can work them into our busy schedule. We also sometimes become so tied up with making money we forget the simple truth that we can't take it with us when we leave this earth. Why is it that we sometimes take for granted those things that are closest to our hearts? Why is it that we sometimes forget to open our eyes to the world around us?

Sometimes we become so overwhelmed by grief and sorrow we become blind to everything else. Oh we tend to function, automatically going through the motions but not really allowing anyone too close to us. For me, I needed that time to grieve Shanes' death and to let go. I needed to accept that there is a reason things happen the way they do. I don't always understand the 'why' of it but must come to terms that it was beyond my control to prevent it.

On the 14th of July, My husband thought it was time to get a new baby for me to cuddle and spoil rotten. I really did not want one yet but as soon as he placed it into my arms, it kissed my chin and began purring...my heart was lost to the little guy. This kitten was 11 weeks old and very close to the same coloring of Shane. He was a stinky one and half starved. He even had a funny sounding cry that is more of a squeak than a meow.

His nick name is Little One but has a French name too. He loves to ride in the van, has his own basket he rides in. Many of the places I go to allow him to come inside with me, he is leash trained and wears his shot tags. He is very friendly when people ask to pet him, he usually rides in the shopping cart. At Ham Holiday he went with me and got to meet some of the hams and dealers before we opened the doors Saturday morning. He plays fetch the mouse with Hal in the evenings, Hal throws it and little one catches it and brings it back to Hal to throw it again. He has brought laughter back into our lives.

Now I am not suggesting that everyone go out and get themselves a kitten. They require as much work in training them as a toddler does and can get into as much trouble. We use a water gun and it is perfect in training our baby. Ask Hal about it sometime or Mike, both will tell you stories that are funny but true. What I am trying to point out is we all need to find something in our lives that we can share our love with and feel needed. It could be a weekly call to an old friend or loved one who moved away. It could be surprising a family member by doing something nice just to remind them they are special. The opportunities are endless on were you could give of yourself and you will be blessed beyond measure. No matter what you do, give freely without strings attached.

Yesterday, my son had a pretty rough day at school. Nothing went right for him. He was also tired and yet had to work from 5:00 p.m. - 11:00 p.m.. I took him to work and my heart went out to him. An hour later I walked into his work and surprised him with a subway sandwich for his dinner. It showed him I cared. He loved not having to eat what they served at work for a change and it brought a smile to his face. Such a simple act of kindness can have a lasting effect on a persons' outlook on life.

I plan to plant some flowers today and love to see them grow. A local store was selling Mums plants 3 for \$10.00 so I bought 3. They will come up again in the spring time. During the winter months

they will die above ground but the roots will wait until spring to grow again. I wonder...isn't life sometimes like that?

So lets end this on a positive note, take time to enjoy life and give your love freely, make family come first, find out what is truly important in your life, don't put off things until tomorrow and take time out to just breathe and smell the flowers. Life is too short not to experience it, and once it ends we can not go backwards in time and do the things we left undone.

Until next month, this is NILPN.

YL/XYL NET

by Linda NILPN

Are you bored of watching trash on TV? Are your evenings empty? Do you long to have an hour to yourself without having a kitchen to clean? Did you get your ham license to please your husband but had no desire to talk on the radio? Do you feel that radio is basically a males' world? Are you afraid that you may make a fool of yourself if you key up the mike? Do you feel there are no women on the airwaves or maybe just have heard only a few on the air? Well, do I have a news flash for those that are not aware of a net held weekly just for us gals! So ask hubby to be a dear and watch the kids, maybe even do the kitchen for you and come discover a net ran by and for just us.

It is the YL/XYL Net held on Tuesday evenings at 8:00 p.m. until ? on 147.09 plus input. Kay, KD5VJR is Net Control and does a fantastic job. Kay has the gift of making everyone relaxed with her warm and friendly nature. This net is a great way to practice talking on the radio and everyone is very supportive. The net itself is informal and the topics are endless. You never know what might come up as a topic. It can be world events, usage of Lemon Grass and different plants, Packet Radio and how easy it is and what is needed to get on packet, Computer problems and trouble shooting, questions about ham radio in general, and things that effect our daily lives. It is women hams helping other women hams.

We even have a male check into the net sometimes too. All are welcomed.

Before Ham Holiday one night on the net, a question was asked about getting a snake for a pet. A young teen was wanting to buy one. I came back with the statement about it having to eat live food, usually mice. I am not sure if they got the snake or not but found the following news report on American On Line under a section called 'The Hub' that might cause a few to think twice about having a snake as a pet. The story is true and happened in August. It is not meant to scare anyone or offend. It is graphic in some areas but the message is clear. If you do own a pet snake it would be best not to allow it run of the house while you are sleeping. The other point is that they are wild animals and do not always make the best of pets. A person must be very knowledgeable about any animal before taking it into their home as a pet. This is the article I found:

PET DECAPITATED: Owners Survive
from AOL Wednesday August 28, 1996

San Diego - The AP reports that paramedics here sawed off the head of a pet python after the snake surrounded its owners and refused to let go.

The eight-months pregnant Mary Anne Carter woke up on August 21 to discover Calena, her nine foot Burmese python, wrapped around her bulging stomach and nipping at her buttocks. Her husband, Brad Carter, grabbed a small knife and attempted to remove Calena from Mary Anne, but Calena managed to ensnare Brad as well. A neighbor arrived and tried to free them. He failed.

Then someone apparently had a brainstorm: call 911. Paramedics quickly arrived and hacked off Calena's head with a hacksaw. This did the trick, Mary Anne and Brad were free.

The Carters, who live in a one room apartment in a downtown residential motel, have two children—ages four and five, who witnessed their pet's attempt to kill their parents, then witnessed the paramedics' decapitation of their pet.

Police brought in crisis counselors to debrief the youngsters.

The case has been sent to the city attorney's office for review. San Diego does not forbid its citizens to keep large dangerous snakes as pets but, thanks to the Carters, this may soon change.

Tests are being scheduled to determine whether the snakebites affected the Carter's unborn baby.

And there we have it. The answer to the question do snakes make good pets and are they dangerous. I know this is not a typical article for the C&E and apologize to all that are offended by it.

I grew up catching horny toads and kept them over night but would release them in the morning. I would catch tad poles and keep them until they changed into toads. My dad and I would make the trip back to where we had caught them and I would release them. We even had a raccoon, rabbits, fish, a dog, cats, birds and yes a few snakes. Our snakes were good snakes and were kept outdoors and free. Dad was always bringing home an injured animal and we would doctor it and release it when it was well. With every new animal, my dad made sure we knew the animals behavior and habits. This wisdom has stayed with me too, get to know the animals' nature before bringing it home as a pet. It could prevent something like what happened to the Carter family in San Diego, CA. happening in your home.

Now if you find yourself bored on a Tuesday night, why not turn on the old two meter radio and join in on the YL/XYL Net. There is no telling what the topic may be but it will be interesting and fun. This article was just added information on a question asked on the net.

PLEASE NOTE: All grammar and misspelled words are left in the articles of this newsletter on purpose. We know that some of you will enjoy the challenge of finding our mistakes and hope to please.

From the C&E Staff

VANITY GATE 2 OPENS SEPT 23

This is a Newsline Instant Update.

Attention Extra Class hams. It will soon be your turn to file for the vanity call sign of your choice. This is because the FCC has announced that vanity call sign filing Gate 2 will open September 23rd.

After that date, Amateur Extra class licensees may request a vanity call sign of his or her choice on a first come first assigned basis. To qualify, you must hold an unexpired Amateur Extra class operator and primary station license to request a vanity call sign for your primary station.

To request a vanity call sign for a club station under Gate 2, you must also hold an unexpired club station license listing you as the license trustee.

Applicants should refer to the licensee database to verify that a requested call sign is not already assigned. According to the FCC, a call sign is normally assignable two years following license expiration, surrender, revocation, set aside, canceled, or on the verification of the death of the previous grantee.

Requests must be filed on FCC vanity call sign Form 610V and the Commission says that legibility is critical. If your application is not easy to read, you could experience a delay in processing. Even worse, you might lose the opportunity to obtain a requested call sign or even obtain a call sign different from what you want.

Again, Gate 2 of the vanity call sign program to permit Extra class hams their choice of a new call opens on September the 23rd.



Choctaw Amateur Radio Club

ANNOUNCEMENTS

The next meeting will be held 16 September at the Eastern Oklahoma County Vo-Tech.

The next "two" CARC Swap Meets will be 14 September and 14 December at the Midwest City Community Center, Reno & Midwest Blvd. next to the library. Tables are \$3.00 each.

MINUTES

19 August, 1996

The meeting was called to order at 1905 at the Vo-Tech with Bill, N9SQV, presiding and 13 members present. Introductions followed. Welcome was extended to our visitors: Ron Earnest, Norm Wilson, W5FLO, and O. J. Watkins, W5SRX.

REPORTS:

June Minutes: The minutes for the meeting held 15 July, 1996 were approved as published in the C&E.

Treasury: The treasurer's report was approved as read by Bill, KC5ICR.

Texnet / DX Cluster: The Texnet / DX Cluster report was given by John, K5CBP. The DX Cluster is currently off the air due to the relocation of radios, antennas, and related equipment. The TNC-95 is currently under going testing prior to production. It uses a Z180 CPU and has four radio ports. More information is available in the TPRS Quarterly Report. There have been many local node outages since the last meeting.

Ken, WA5DTL has begun operating NWOKC, on 145.690 and is linked to 145.070.

YL Net: Kay, KB5VJR is on vacation to New England. Marie, KC5HKB reported they have been having the net in "round-robin" fashion during Kay's absence as net control. However, this has not greatly impacted the participation. So the Net is alive and well.

History: None available this month due to Kay being on vacation.

OLD BUSINESS:

Repeater Upgrade: Informal discussions indicated that the club should entertain the idea of hiring someone to finish up the project for us. It was also suggested that we possibly purchase "new" equipment, which would entail starting from scratch and increasing the expense of the upgrade. It was also noted that the 100 amplifier is a new one and requires only a very low input. Bill, KC5ICR moved that we pursue with repairing, configuring, and installing what we have already purchased to this point until which time it determined to be not economically feasible. Motion was seconded and carried. In the meantime, all members are solicited to shake the bushes to find anyone, anywhere who can help us work on this project.

J.O.T.A.: Chuck, KC5EZZ is to be invited to a meeting in the next few weeks to start finalizing the plans for this event. He reminded members to try keeping the third weekend of October open so we can have maximum participation this year.

Logging Software: It was confirmed that Duane, KA5WRG would be looking into this as to cost and other pertinent information. Being he was absent at this meeting, this item was tabled.

Antenna Masts: This item is still being researched.

Club Callsign: Frank, AB5H has informed Larry, K5VVD that he has no problem being the trustee for this. Don,

N5ENQ will get the necessary forms to apply for the callsign.

NEW BUSINESS:

FD Antenna: John, K5CBP discussed the design of an antenna similar to a Zepp or G5RV and covers nine bands. It requires a center mast and six other masts not as tall as the center. He will make a copy of the information and suggested that we could build one and try it out.

Recovery Effort: Bill, N9SQV informed us of the need for hams to assist with radio communications in conjunction with the search/recovery effort for Crystal Dettmeyer. (Editor's note: This spelling may not be correct and I apologize.) Chuck, KC5EZZ has participated once so far. Heartland Search and Recovery is actually conducting the search. Hams are only providing the communications. A Control Center has been established for these weekend searches. Jim, K5PER is the point of contact for this operation, and he can be reached on the 146.82-repeater if you wish to volunteer your time. They are looking for more operators to help. Let them know if you want to work Saturday or Sunday and the morning or afternoon shift.

Weather Response Net: Bill, N9SQV suggested the possibility of establishing such a net for the Choctaw area. Hub, W5GYX suggested contacting the emergency coordinator for the city of Choctaw. It was recommended that participants attend regular storm spotters' seminars. The main need for such an activity stems from the fact that there appears to be no spotters between Choctaw and Shawnee. There being no genuine desire to pursue this activity, the topic was dropped.

RF Hazard Measurement: Don, N5ENQ informed us of new FCC RF Safety Standards that go into effect 1 January, 1997. This will require hams operating more than 50 watts PEP to conduct routine RF radiation evaluations to determine if RF fields are sufficient to cause human exposure to RF radiation hazards. Detailed information regarding

this new mandate is available via AOL and the Internet. The address is:

<http://www.arrl.org/news/rfsafety/>

Be sure to keep yourself informed on this matter and voice your opinions to any and all appropriate agencies.

Club Affiliation with ARRL: Larry, KB5ENP suggested we research the possibilities of affiliating our club with the ARRL. This would be no cost to the club, but the club could potentially reap many benefits by joining. We would need to survey the entire current membership to determine if we have the 51% "individual" membership required for affiliation. Larry will send for the information from ARRL.

There being no further business or comments, the meeting was adjourned at 2009.

73 de Larry, KB5ENP

PRSG FILES ON FAMILY RADIO SERVICE

General Mobile Radio Service users do not want to share spectrum with a newly created Family Radio Service that could be a nightmare to control and their lobby group is taking a point position in asking the FCC to enact some major rules changes. The Michigan based Personal Radio Steering Group filed a Petition for Reconsideration that contends that current FRS rules do not preclude repeaters, nor do they bar the transmission of music and other sound effects. Also not covered is the transmission of obscene or indecent language or issuing phony distress calls. The Personal Radio Steering Group believes that all of these prohibitions must be put in place and that the FCC must also place a strictly enforced time limit on all Family Radio Service transmissions. It also is asking that FRS users be required to monitor activity on a channel before transmitting.

NOC-HSV

The small number of no-coders who attended a Newsline sponsored seminar session on code free licensing at the Huntsville Hamfest agree that its time to do away with the Morse code entirely. Most expressed the view that only two classes of license are really needed any longer. These would be limited time duration entry level where you either upgrade in two years or you are out. The other license would be a more advanced radio amateur with full high frequency operating privileges. Neither would require mandatory Morse code testing, but all agreed that higher written exam standards, with emphasis on proper on the air etiquette should be put in place.

HUNTSVILLE UP

And speaking about the Huntsville Hamfest, manufacturers, dealers and distributors of ham radio equipment are hoping that the slight increase in attendance at last weekends event signals a nationwide change for the better. Since the first of the year, almost every convention and hamfest, big and small, has reported a significant decline in the numbers attending over past years. Even numbers at the giant Dayton Hamvention were down. This even though weather conditions were excellent. This downward spiral in attendance has made the ham radio industry very uneasy in committing to shows for next year.

But Huntsville was the exception. While still hovering around the 6000 mark in paid gate, the numbers were up a few percent over 1995. Scotty Neustadter, N4PYD, believes that Huntsville has bucked the downward trend because it has the right mix:

"I think its that we have the reputation as a friendly hamfest, with a very strong flea market and an all encompassing dealer show. I don't know how we could make the dealer show any bigger. Everybodys here. Anybodys product line is here. Plus I think frankly the town is the right size, the hotel rates are reasonable, the space and rocket center is here, so somebody who is iffy about coming says I can

always drop the wife and kids at the space and rocket center while I go play with radios. And all that stuff just comes together, I guest it is kind of synergistic that it works." Neustadter

For Huntsville it does work, and those in the commercial exhibit area like Evelyn Garrison, WS7A with Alinco agree:

"An excellent show. We sold a lot of HF units that people told us it was not going to happen down here. But it did. We sold a lot of the 605's dual band mobiles, which is our new radio. I'm really pleased." Garrison

Garrison also gives credit where she says credit is due:

"The committee really works at making this one up. They send out flyers. They work to make it happen all year long. It is not some think that happens by accident." Garrison

As positive as the signs were at Huntsville, two groups were very obvious by their failure to show up. These were the younger hams. The teens and pre-teens who, up until this year have been attending most conventions in fair numbers. Few were at Dayton in May. Even fewer were seen at Tulsa and Birmingham earlier in the year. Almost none were seen at Huntsville.

Even more significant was the failure of no-code Tech's to come out in any numbers.

FCC HONORS McMAMARA

Robert H. McNamara, chief of the FCC's Private Radio Division in the Wireless Telecommunications Bureau was among several FCC employees recently honored for advancing the mission and objectives of the FCC. This, through their sustained extraordinary or exceptional accomplishments.

Bob McNamara received a Distinguished Service Award gold medal. His Private Radio Division regulates the Amateur Radio Service.

Altus Area Amateur Radio Association

I'm Dave Locke, KC5SII. Somehow, through lack of foresight on my part, I've been bestowed the honor of being the AAARA club news letter editor person. I'm new to amateur radio and am still trying to pick up on the subtleties that aren't covered in the Novice or Technician test study guides. For example, I don't remember anything about it saying that the new guy has to have a job in the club!

Okay, enough whining. I'll do it, and hopefully do well enough to earn a post where I don't have to work so hard! I pondered several topics that might be of interest to all amateurs. After I finished pondering, I decided that was well out of the grasp of a newcomer like me. So, I decided that for the first "Go-around" I'd give just the facts. However, anyone who knows me understands I can't resist the urge to editorialize....occasionally.

Here is an Idea of what Hams in the far southwest corner of the Great State of Oklahoma are up to. Our club secretary Lil Town, (I don't know what her call sign is, but to me she's Mrs. AB5VX, Dale's wife) was out of town on a family emergency. You will have to rely on my version of what happened at the meeting. Take comfort in the fact that my wife Theresa, KC5TTD took good notes on the back of a Wal Mart receipt, so I do have a long written record of the meeting.

Altus Area Amateur Radio Club Meeting Minutes.

The August AAARA meeting was held August 8, 1996, in the Altus Area Votech Center, 711 West Tamarack.

Ham Testing is set for 6:30 on August 20th. Anyone wishing to upgrade a current license or earn a license should attend. Testing is held at the Altus Area Votech Center, 711 West Tamarack. Please bring a picture ID, calculator (if required) and proof of completion for any

previous tests applicable to your upgrade. Remember, there will not be a copier available there.

An Altus city wide disaster preparedness exercise will be held on August 22. Everyone is encouraged to participate. We aren't sure how but, if you call Dwight he might know something about it.

A club picnic will be held August 25th at the Main Shore pavilion #1 at Lake Altus. It begins at 1:00 p. m. and runs until the last person leaves. If you aren't sure where area #1 is just look for all the cars and trucks that resemble porcupines! The arrangements are pot luck, bring a covered dish and beverages. Call James, N5VUR on 146.64 for details. I'm sure he has a phone, but I doubt he will answer it!

The AAARA Hamfest & Craft Fair is scheduled for September 21, 1996 and is on track. The flyers have been mailed and initial response is promising. The event is going to be at the National Guard Armory on Veterans Drive (Old Kellwood) and Asphalt Rd. in Altus Oklahoma. That's your first left when you come into town from the West on Hwy. 62.

Here are the dollar details:

Hams	\$5.00 (Pre-registration)*
	\$6.00 at the door.
Non-Hams	\$4.00 (not eligible for prizes)
Tables	\$5.00 (Pre-registered) *
	\$6.00 at the door
Children under 12 are admitted free!	

*Pre-registration ends 10 Sept. A check or money order must accompany registration.

Here's the good stuff, the grand prize is an Alinco DX 70 HF (Whatever that is remember, I am new) and the Pre-Registration Door Prize is an Alinco DJG 5 TY Handy Talkie (I DO know what that is!)

Anyone wishing to register, in advance, for a table should do so SOON. If you have any questions, call 477-2222 for details. Hurry before they are all gone! That wasn't too bad for a first shot. Next time I may be able to get hold of the

minutes from the meeting and not have to rely on the 16k in my brain and a Wal Mart receipt to recall details. Also, as a special incentive, I will try to figure out what's so funny about Doc, KB5YWP and peanut butter. Then we can all be in on the joke. Somehow, I suspect there's really nothing to it. Tell you what, if that's the case I'll drop it so I don't ruin it for everyone!

73,

Dave, KC5SII

DARA CHANGES

Some major changes are coming to the nations best known ham radio club.

Many activities put on hold for the summer get back into full swing. One organizations has been back burnered for the summer. The Dayton Amateur Radio Association has operated this way for years. Giving the members some post hamvention recovery time and allowing the new officers elected in June time to get with the out going officers for a smooth and orderly transistion.

For the first time, DARA has a female president. Well aware of the old saying, I you can't stand the heat - get out of the kitchen. Michelle Ervin, KA9FUL is ready to stook the fire and stir a few things up.

"I think that one or two of the most important things that the amateur community in general will see from DARA within the next year is our concerted effort to expose more youth to ham radio." Ervin

Already a contesting committee for the DARA club station, W8BI has been established and a foxhunt squad is being assembled. In addition, youth programs and the SAREX liason group are working closely together with the education committee to expose area youth to the hobby.

Michelle Ervin says that its time for the club to pull together for more than just then annual Dayton, Hamvention, even if pulling together just means having a lot more fun.



Oklahoma City Autopatch Association

OCAPA Minutes August 20, 1996

Meeting was opened at 7:30 p.m. by president John, N5SAM followed by introductions. There were 31 members and 3 visitors present.

Treasurer's Report: Bob, WA9FCT read the treasurer's report and it was accepted as presented.

Secretary's Report: Minutes of the last meeting were approved as printed in the C&E.

Search and Rescue: Marvin Greenburg of Heartland Search and Rescue gave a short talk on the combined efforts of Heartland and OCAPA in the search for a lost child. Rick, AB5ON added that those planning to participate need to bring fully-charged extra HT batteries and if all possible some type of improved antenna such as a telescopic 5/8 wave or a roll-up ladder-line J-pole. Jim, K5PER also thanked everyone in the club for the outstanding participation.

Salvation Army Station: John, KC5DRI stated that the special event QSL cards are finished. He passed out several to those that had worked the N5FM station. At the station there is the need for tower and antenna work.

Technical Committee: Loyd, AB5I reported that we really need to get up on the tower and bring down several antennas. There was a general discussion of work needed. Keith, KI5XA is coordinating a tower crew team.

Elections: The meeting was turned over to the nominating committee chairman Chuck, K5NK. Since Chuck had previous experience with railroads, he was glad to take on this challenge. Elections went very fast and smooth. After the sound of

the last whistle had finally faded into the distance, the new officers are as follows:

President - John, N5SAM
Vice-president - Loyd, AB5I
Treasurer - Bob, WA9FCT
Secretary - Sam, KL7V

New Business:

Bob, WA9FCT mentioned that it looks like the federal government is going to be in the business of selling radio frequencies. Right now the only group in Washington that is fighting to maintain the amateur frequencies is the ARRL. Our club membership in the ARRL is way down and he urged more to consider joining ARRL.

Meeting was adjourned at 8:45 p.m.

Jim, N5OHL

DX - DXCON

In DX, the Northern Illinois DX Association says that the 44th Annual W9DXCC DX Convention and Banquet will be held Saturday, September 7th, at the Holiday Inn Rolling Meadows, Illinois. There will be interesting programs, guest DX speakers, industry representatives, contests, exhibits, QSL checking, hospitality suites, banquet activities and prizes. For more information please contact:

Phil Camera, KB9CRY,
at (708) 343-1696 CST.

HOLLY-MOVIE

And finally, the made for television movie titled What Love Sees will on Sunday, September 22nd on CBS. What does this have to do with ham radio? Well, What Love Sees is the story of the story of the Holly family of Bristol, Connecticut and, later of Ramona, California. Actually it traces the courtship of the blind daughter of an overprotective New England industrialist to a blind back-woods California rancher. It follows them through their marriage and raising four children, the youngest of which loses his sight at age seven.

Now here is the ham radio connection. If the family name Holly sounds familiar it because the youngster who loses his sight is today a ham well known to radio amateurs world-wide. That being Hap Holly, KC9RP, the founder of the Radio Amateur Information Network.

"Filming of a two hour TV movie was completed in March as some of you know. The editing took less than ten weeks.

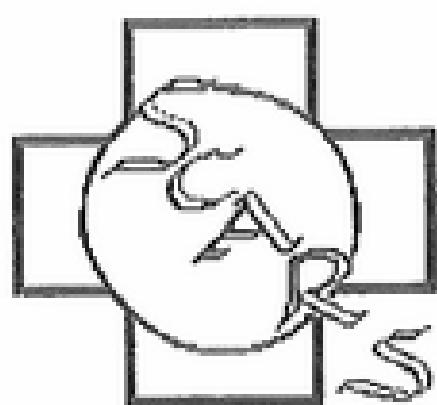
Rosemont sent a brail copy of the script to my mother and me. And it was a kick. What a major kick to read the lines and scenes that are going to be portayed in this movie this fall." Holly

What Love Sees stars Richard Thomas of Waltons fame as Hap's dad and Anabel Gisch as Hap's mother Jean. Hap Holly, long before he became KC9RP is portrayed by Courtland Mead. Mead was last seen the remake of the Little Rascals movies.

Again, the movie What Love Sees airs on Sunday, September 22nd on CBS. Consulting local listings for time and channel.

NO MORE CB ADDS

Amateur Radio Trader magazine says that it will no longer carry ads for any type of 11 meter CB related equipment. This includes such items as legitimate CB transceivers, related 11 meter equipment and amplifiers capable of operating on the 11 meter band. In a published statement to his readers, Editor Nick Smith, WA4GKM says that maintaining the high standards expected of the Amateur Radio service is the reason that hams have received a high level of respect. He says that Amateur Radio Trader has decided to assist in maintaining that level of respect by keeping the magazine as a ham radio only publication.



South Canadian Amateur Radio Society

The August Meeting of the South Canadian Amateur Radio Society was held on August 10, 1996. The meeting was called to order at 9:30 a.m. We opened with our usual round of introductions and sales pitches. After that, we quickly coerced an unsuspecting member into services as the club Vice President. J.C. is the lucky man. I'm sure that he hopes that Mike's tenure as President is long and uneventful.

Ken followed with a repeater report. The antenna and coax has now been replaced. Chance Tower hung the new antenna and coax for a fee. They started the job at 1:00 and finished at 3:20. We're grateful for their help. If it were my responsibility, I'd probably still be hanging from the tower. Our receiver coverage is back to normal. The transmitter power is down somewhat because the new cable has a slightly greater loss. Ken sold the old cable at Ham Holiday. The antenna is available if there are any offers. We all certainly thank Ken for all his work on the repeater.

Sara, KC5ABA, reported that we have almost recouped all of our expenses on the repeater. I'm sure that Sara is still taking donations from all of you repeater users with guilty consciences that have yet to donate.

Louis, KC5ABI, gave the CORA report. It sounds like Ham Holiday was once again a success. As usual, the club took care of the flea market. Our VE team tested several new licensees and upgraded some existing ones. They experienced a very fast turn-around from the FCC.

Don, KI5TP, reported on our attempt to get a new club call. He is sending the application to the FCC. We'll just have to wait and see how it goes. Don announced

his resignation as one of our CORA representatives. After 9 years of service, he is turning it over to someone else. Don has served the club faithfully in many ways over the years, and we're certainly grateful to him. If anyone is interested in being a representative to CORA, please let one of us know.

The other Don, KJ5KB, still has some soldering guns for sale. They're \$15, and go to support the repeater fund.

Ken reported that the Weather Service is donating a few IBM XT's to the club. I'm sure that we can find some use for them in the station.

Louis reported on the annual Christmas party. He found that the price at Denny's has risen slightly. It still sounds like a bargain, however, and the club decided to keep our reservation. We're having CW practice on Mondays, Wednesdays, and Fridays at 9:00 p.m. on 28.205. Listen there and on the club repeater. I wish all of you budding CW enthusiasts well. I hope that 13 wpm comes easier for you than it did for me.

Randy Ridenour, WB5RWN

ARRL ASKS FCC FOR MORE TIME TO AMEND EXAMS

The ARRL has asked the FCC to extend the time for its VEC and other volunteer examiner coordinators to add questions about RF safety to Amateur Radio exams. The request, filed August 12th in the form of an emergency motion asks the Commission to put off the deadline to add the new exam questions to July 1, 1997 for Element 2 and 3A examinations and to July 1, 1998, for Element 3B examinations. Those dates coincide with the already planned implementation dates for new examinations based on revised question pools.

Work to revise the question pools for Elements 2 and 3A has been under way for more than a year. Work on the

Element 3B question pool will not begin until December.

The FCC Report and Order 96-326, issued August 1st, seemingly requires that VEC's immediately add five questions to each of the three affected examination elements. The provisions of the Report and Order became effective when they were published in the Federal Register on August 7th.

OVERSEAS ACCUSATIONS REFUTED

From overseas, word that hams in Italy and several other nations are very angry over accusations that their terrestrial operations interfere with satellite communications. They say that like it or not, they are legal and that they can run FM and repeaters where they please.

Packet and internet postings from hams in Italy say that the Italian Telecom Ministry allows them to operate on 435-436 as a primary service and on 432-434 Mhz and 436-438 MHz as secondary. That no mention is made in Italian communication law of separate satellite subbands. As such, the Fmrs say that they are free to do as they please.

The Italian Amateur Association has requested that all of its members use and respect the IARU bandplan and the organization has had some success. But non members can and often do operate where they want using any mode that is legal. Because of the way that the rules are written, no action to prevent them from using satellite frequencies will be taken by the government agency.

UK: NO MORE 934 MHZ CB

The United Kingdom will cancel its 934 Mhz Citizens Radio band on December 31st of 1998 and the band will be converted to a commercial digital telephone service. The current 27 Mhz United Kingdom CB service will continue to be available until further notice from the UK Radio Communications Agency.



Edmond Amateur Radio Society

An ARRL Special Service Club

A Member of the OK DX Association

Happy Fall to all of our friends near and far! We hope your activities have a bit more zing to them as our spirit normally gets a little more fun as the days get shorter, cooler and the Fall semester of school is well underway. I know many of our club members take a journey as school starts so as to enjoy their favorite destinations with lighter traffic on the road, shorter lines and amidst the quite welcome north breezes. May your motoring be safe and enjoyable be it to the local grocery outlet or across country. As you are out and about, be mindful of our club members who might just show up on a repeater in another state! Inquire to WA5ZKX about who you might just hear when you least expect it. Many thanks to Linda and Hal Miller for putting our August installment in final form while polishing up the copy: Well done!

Oops

There are a few items which need pointing out which I overlooked in the August article. Congratulations are in order for Ron, KC5PLI, for his upgrade to General class-I know you will enjoy the new privileges!

A misspelling occurred in Brian, KB5ODR's name - he thought it was intentional, the misspelled word accurately described Brian but the correct spelling should have been used. Sorry about that Brian.

Also, I forgot to mention that Bill, K5SKA, won the Ham Holiday 1996 grand prize. DBM asked that I not offer kudos to you Bill, but thought just once we would say congrats Bill - we would like a list of the goodies you chose.

Thought we might borrow a piece of equipment or two.

We did not mention club and board meetings which had occurred due to the need to focus on other club functions and give the article a little different slant.

Kind of difficult to cover all the activities each month while giving credit to the variety of stuff in which EARS is involved. Okay, now we are sort of caught up and can speed on.

September Birthdays

Please wish the following group Happy Birthday!

Sept 1- Onis Cox - KC5RPC

Sept 2- Larry Traub-N5LXV

Sept 4-Troy Dykes-KC5QQH

Sept 6- Edith Vaughn- KA5YPX

Sept 6-Glo Guinn-KB5BGM

Sept 10- Ron McCubbin -KC5QCV

Sept 11-Eric Coxsey-KC5TCZ

Sept 14-Paul Freeland-W5ZVB

Sept 15-Don Rooker-NO5M

Sept 15-Carole Ayers-KC5EXR

Sept 17-Bill Green-N5YDU

Sept 18-Dick Payne-KA5TFO

Sept 20- Beverley Estlinbaum, KA5WKQ

Board Meeting - August 7th

The August board meeting was held "off-campus" at Curbey's Barbecue and was most enjoyable with good food in a meeting room which seemed to be just the right size for the group. All Board members were present except for Kevin, N5USQ.

Judy, KC5SMI, and Jim, N5OHL, also attended the 92 minute session with the following topics: club station equipment being repaired, some being sold and some (TNC) being bought, new member orientation, letter of thanks being sent to Deer Creek schools for Field Day, praise of Ham Holiday '96, October club cookout, 1997 nominating and financial review committee, UCO homecoming parade (9-28), UHF equipment for club station, special event station (11-16) and receipt of thanks from OKC Downtown

Now. Gosh, if we just had some items to go over at these meetings! One last time the dinner napkins were applied to faces

and we departed the site amidst the heavy lighting, wind and vicious looking clouds. We planned to have the September Board gathering at the same location and have the restaurant's approval if KC5KJE will pay his rather substantial tab previous to that day.

Dinner Meeting of August 17th

Gee what a nice dinner meeting at the Johnnie's Charcobroiler of Edmond. Good turnout of EARS folk on the cloudy rainy Saturday evening. The fellowship and food made for an enjoyable way to spend the evening with your friends. We had similar good gatherings previously at the Johnnie's on Britton Rd. In OKC. Nice to see club members and their family members / friends partake in the evening. KC5MJS had the sign-in sheet passed about which reflected about 45 in attendance-which become greatly more comfortable when the west side of our meeting room was opened up. Until then, our togetherness had just about stretched the limit. Those charburgers, fries, onion rings and yes, pies sure appeared to be consumed at a pretty quick pace and in volumes reflective of a wheat harvest crew.

Buford-KC5MXE, circulated the Amateur Radio Operators Identification Application for OK Department of Public Safety. Nice effort Buford and for a very worthy pursuit. Buford has worked hard on emergency communication in Logan county and hopefully will get the recognition he deserves shortly. Likely to occur with a new OK Section Manager. Speaking of the latter, Coy Day, N5OK, is the newly elected Section Manager and will start his term on October 1st. Welcome and congrats Coy!

Word of Wisdom

Recently, (July, 1996) our dear friend, Frank-N5FM, wrote a nice little article in the Salvation Army newsletter which I think which should be read and pondered by us. It goes as follows:

"Hams are big hearted and when an emergency comes they come out of the woodwork ready and willing to work together for the common good. Why then go after one another's throat in good

times. Please get the chip off your shoulder and your feelings off your sleeve. Try and remember every one is stressed to some degree. We don't know what burden they carry. Try and talk it over, if it needs saying, one-on-one and not over the radio. Be considerate of other's feelings and don't be so sensitive yourself.

Many new hams bought a book and took a test for their ticket. They did not have the privilege of an ELMER. An ELMER was a friend who was a ham that was a mentor. They taught us theory, code, and how to behave on the air. Some hams brought their CB lingo and habits with them. They have upgraded to Amateur Radio so they must have wanted something better. Lets welcome and make good hams out of them. If they are not using the repeater correctly or too much if not a member, try the one-on-one approach. Tell them you have an open repeater, but someone has to pay the bills and a good neighbor pays his way." Frank closes by saying that his wife (Alice) just took his 'soap box'. Thank you Frank for the pearl (s) of wisdom.

New Members

Clara, KG5UG, and the EARS treasurer indicates we have the following new members:

Brad Boyington, KC5VPE,
Mike Nguyen, KC5VKJ
Gary Ummel, KC5UWA
C B Weilbrenner, Jr., KC6FNY

We want to welcome these new members to our club and wish them a very special and enjoyable relationship with the EARS family. Please call on any officer as listed on page 2 of this publication for help with your questions or to volunteer for our many activities.

Club Stats:

Monday night net figures for August:

Sessions - 4
Check ins - 158
Traffic - 39

Club Membership Numbers:

Sept 1995 - 112
Sept 1996 - 140

Silent Keys

The last full weekend of August turned tragic as two of our Amateur Radio operators become silent keys. Al, WA5GOI; Chuck, K5NK and Joe, K5JB, all widely known and quite well respected hams departed our physical presence. They went to be with their maker and to express their personalities, smiles and regard for their fellow man in a better place until joined by many family members and friends. Each contributed greatly to their personal communities which included Amateur Radio. We miss their presence, but realize each want us to continue our Amateur Radio activities as the means to the end of caring for each other.

Upcoming Events

Saturday morning coffee @ Gambill's Country Kitchen, 2826 East 2nd in Edmond - about 9:00 a. m. give or take.

Wednesday - September 4th, 7:00 p. m.
Board Meeting @ Curby's Barbecue, 2nd and Coltrane in Edmond



Sunday - September 8th 2:00 p. m.
licensing classes begin contact Frank, AA5GI, 341-1124 for details. Held at St. John the Baptist Catholic Church 9th and Littler in Edmond

Sunday - September 15th, Club Meeting at 2:00 p. m. St. John the Baptist Catholic Church

Saturday - September 28th Hope Center Antique Car Show Downtown Edmond EARS to provide on site assistance 7:30 a.m. to 9:00 a. m. & 3:00 p.m. to 4: 30 p.m.

Club Station (KC5ORP) Open: Thursday evenings with N5OHL, Monday evening Sept 15 with WB5SYT

FUJI 3 LAUNCHED

Ham radio has a new satellite courtesy of the hams of Japan. Carried aloft on a Japanese H-II rocket, the amateur satellite JAS 2 was successfully launched at 01:54 UT on Saturday, August 17 by the Japanese Space Agency. This, from their space center in southern Japan.

Now renamed Fuji 3, several stations in the Americas and especially in the eastern USA reported hearing Fuji's CW telemetry beacon soon after it separated from the launch vehicle. This, over Antarctica during its first orbit. One of those stations was manned by AMSAT-NA's Executive Vice President, Keith Baker, KB1SF located in Xenia, Ohio. Baker says that being one of the very first to hear signals from a brand new Amateur Radio satellite has to be one of the biggest thrills one can have as a ham.

Fuji 3 is similar to OSCAR 20, although it offers some interesting twists. As soon as testing is completed hams will have access to an easy to use packet BBS. Unlike most digital satellites which function as file servers and require specialized ground station software, Fuji 3 provides a BBS that operates much like a terrestrial system. The only software required is a terminal program to talk to your TNC. Connecting to the BBS is as simple as sending a connect request to 8J1JCS.

Hams who own PSK TNCs can connect to Fuji 3 at 1200 baud, but unlike OSCAR 20, this new Japanese bird can handle 9600 baud FM Frequency Shift Keying as well. A digital voice storage unit or Digitalker will be used to transmit announcements, bulletins on the condition of the satellite and so on. It's similar to the unit presently being heard from the Mir space station.

Fuji 3 also features a linear transponder for SSB and CW. At this time there has been no word from the Japan Amateur Radio League concerning an operating schedule for the transponder versus the BBS.



OKlahoma DX Association

----- FROM THE PREZ -----

Hello everyone. Hard to believe it is September already. It's time to get ready for the DX/Contest season.

Congratulations to my predecessor who was OKDXA President in 1994-95. Coy Day, N5OK, has been elected to the ARRL position of Oklahoma Section Manager. I couldn't be happier for Oklahoma and for Coy.

We are progressing with the plans for the OKDXA Banquet in November. Details will be appearing in this column each month. To keep the quality of this event up to the standard that was set last year regarding the facility, the dinner, and the speakers, we have had to increase the price of tickets to \$20. This is still a bargain and is the lowest cost for any event of this type that I know of. We are committed to making it first class!

I am so excited that we have Vince Thompson, K5VT and Bill Kennamer, K5FUV speaking at our banquet. You cannot find two more outstanding people in ham radio. Vince is a medical doctor who grew up in Oklahoma City and has operated (a radio ... ha!) from more than 70 countries. His show will be phenomenal. Bill left Arkansas to go to New England (what a personal sacrifice, ha) to mechanize the DXCC process. We all recognize the improvements that have been made. Bill will be talking about future trends in the DXCC Award and maybe about some of his exotic travels such as BY and XY.

The Banquet is a "must attend" event for everyone in ham radio. Get your tickets early. Everyone is invited.

I hope you were able to contact OKDXA member Frank Smith, AH0W, and his

friends on the Midway Atoll Wildlife Refuge (formerly Midway Island). They put on a super operation using the call AH4/AH0W. I copied them several mornings on 160 meters but the signal from my marginal antenna could not punch through.

Well, keep your radios on and your ears open as we head into equinox. The DX will soon be rolling in. Jim, WV5S

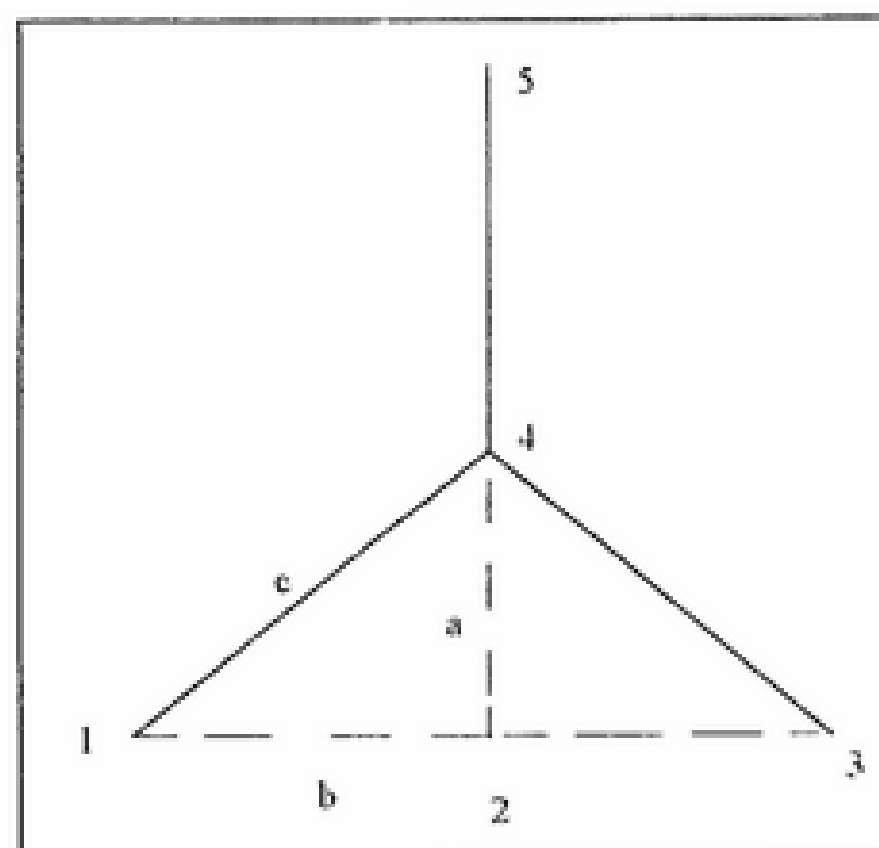
----- THE CONTEST CONTINUUM -----

by Coy Day, N5OK

Contest season is rapidly approaching but there is time to get those antennas up. In the process of laying out the location of the base and guy wires for the second tower, I learned some neat tricks. Here's what I learned.

The Rohn tower book shows the basic lay out but doesn't tell how to actually lay it out. You want exactly 120 degrees between each of the guys and they show a drawing similar to the one here except that I've added the dashed lines. Since the distance the guys are located from the tower are given for a particular height, distance 'c' will always be known. By adding the lines 'a' and 'b', I have made two 30, 60, 90 degree triangles. Now the laws of right triangles come into play and you can determine the other distances simply by calculating them. The easy way is to know that for a 30, 60, 90 degree triangle side 'a' will always be 1/2 of side 'c' and side 'b' will always be .866 of side 'c'.

So much for that. Here's how you lay it out. In my case the distance of the guys from the tower were 70 ft. That made distance 'c' 70 ft. Distance 'a' then was half that or 35 ft. and distance 'b' was .866 times 70 ft. or 60.6 ft. (60 ft. 7.5 in.). Where you start depends on how you want the guys oriented on your property. In my case along a fence with one guy in the corner of the property. I placed stake 1 where I wanted the first guy. I continued along the fence 60 ft. 7.5 in. and drove stake 2 there. I continued in a straight line another 60 ft. 7.5 in. and drove stake 3. I returned to stake 2, measured 35 ft. at right angles to the fence and drove



stake 4. To make sure that I traveled at right angles to the fence, I checked the measurement from stakes 1 and 3 to stake 4 to make sure they were 70 ft. They weren't so I had to move the stake a little to make sure that both measurements were 70 ft. while maintaining the 35 ft. distance from stake 2 to 4.

Next I measured out 70 ft. past point 4 and drove stake 5. To position stake 5 accurately, I lined up with stake 4 and stake 2.

When I was at a place where I couldn't see stake 2 because it was shadowed by stake 4, I knew that I was in line and drove the stake at the 70 ft. mark. This will work with any distance 'c'. To get that information you will have to refer to your tower book. It varies with the type and height of the tower that you are installing.

----- DX NEWS -----

• You're 5x9 from AH4/AH0W ...

OKDXA member Frank Smith, AH0W, led a successful Central Arizona DX Association expedition to the Midway Atoll National Wildlife Refuge (formerly Midway Island, and still KH4) during the week of August 19 - 25. This expedition was supported by the OKDXA; a \$100 donation was generated by contributions from OKDXA members.

Thanks to those who contributed and thanks to AH0W and the CADXA crew for the great operation. The QSL route is KE7LZ. Look for the OKDXA logo on their QSL cards!

• *Why don't we hear E3?*

Many have been waiting and wondering why an operation has not taken place from here. Carl Henson, WB4ZNH, who had the first valid operation from E3, informed everyone this week: "I traveled to Eritrea last October assuming I would have no trouble operating there. Bad move. Even though Martha and I were the first to operate from Eritrea after the revolution, we were denied permission. The official reason was that Eritrea is in the process of creating new Amateur Radio Rules. At that time, the head of the Dept. was in Norway, studying Norway's Amateur Radio Rules. I phoned Asmara day before yesterday (August 20th) and received the same answer as nearly a year ago." (from the Ohio/Penn DX Bulletin).

• *Future significant DX operations*

AMSTERDAM IS., FT8Z. Mehdi, F5PFP, is planning an expedition of about one month's duration to one of the rarest Amateur radio countries. The trip is planned between Nov 96 and Feb 97. (425DXN)

ANDAMAN IS., VU7. Jim, VK9NS, has received his Indian license (VU2JBS), valid for five years and he is now planning to back to the Andamans this fall. The import permissions for the equipment donated to Man (VU2JPS) by the Heard Island DX Association [425DXN 249] should have already been sent to Norfolk.

ARMENIA, EK. Victor, RV6HKB/EK will be active for about one year from Armenia on 20, 15 and 40m CW, 100 watts and a dipole. QSL via home call. (425DXN)

AUCKLAND & CAMPBELL, ZL9. The ZL2TT team has started to prepare the operations from Auckland and Campbell, planned for January/February 1999 using the call ZL9CI. (425DXN)

BANGLADESH, S21. Andy, S21YE, will be active on all bands, SSB only. S21B is also active for CW QSOs. Check 14226 KHz around 0030z. QSL via G0EHX. (TDXB)

BENIN, BY. Glenn (W6OTC), Eddie (G0AZT), Steve (KE6FV) and Ray (WF1B) will participate in CQWW/DX RTTY Contest (28-29 September) using the call TY1RY in the multi-single category. Before the contest it is possible

a CW and SSB activity also on WARC bands. QSL via Eddie Schneider, P.O.Box 5194, Richmond, CA 94805 USA. (425DXN)

BOUVET, 3Y. The planned expedition to Bouvet [425DXN 265], organized by the South Sandwich DX Group, will leave Cape Town, South Africa, in December 97. They will use four stations simultaneously, 24 hours a day, with SSB, CW, RTTY and satellite operations. Operators are, at the moment: WA4JQS, AH9B, HB9AHL, W6KNB, W7KNT, XE1L and ZS1FJ.

DOMINICA, J7. Peter/PA3BBP, Rob/PA3ERC, Ronald/PA3EWP and Dick/PA3FQA, all members of the Contest group Oude Maas (PI4COM), will operate from Dominica as follows: Sep 18-30 - Signing as J7/home call and will be active during the CQWW RTTY Contest with a special callsign J77C (not confirmed yet) as a multi-single entry.

EAST MALAYSIA, 9M6. The DXNS reports Saty, JE1JKL, has a contest shack on Labuan Island where he is regularly active as 9M6NA. He plans to be active in the CQWW CW Contest 80 meters (November 23-24th). QSL to CBA. (opdx)

EQUATORIAL GUINEA, 3C1. Teo, EA6BH, announced he will be active from Cogo, October 16-22nd, as 3C1DX. His suggested frequencies are: CW - 3005, 7005, 14005, 21005 and 28005 kHz; SSB - 80/40 meters unknown at this time, 14195, 21195 and 28495 kHz. He stated that he will try to be active on the WARC bands, and if he has time he will operate RTTY on 14088 kHz. QSL via EA6BH. (opdx)

ETHIOPIA, ET. (on RTTY!). Waldemar, DK3VN, has recently talked to Peter, ET3BN, on 20 meters. Peter told him he is active on RTTY now. When the conditions are good look for him around 1800-1900z on 14085 KHz (+/-QRM). Peter prefers cards direct to POB 150194, Addis Ababa, Ethiopia. Also, look for ET3SID on RTTY around the same frequency and time. (OPDXB)

FALKLAND IS., VP8. Sergej, RW0LBW, is currently signing VP8CWI and is the first Russian HAM on Falklands. He started his activity in the middle of July and will be active for about 1 year. There have been no QSOs

reported recently. Sergej does ask for QSLs to be sent: Box 559, Stanley, Falkland Island. (opdx)

GREENLAND, OX. The International Police Radio Club (IPARC), Danish branch, will be active from Nuuk, from October 28th until November 11th. The group will be active mostly on 160-10 meters CW signing as OX3IPA. They also plan to be an entry in IPA-Contest (November 2-3rd) and they request NOT to work them in the contest unless you are a IPA member. QSL via OZ5AAH with SASE ONLY. (opdx)

GUADELOUPE, FG. Peter/PA3BBP, Rob/PA3ERC, Ronald/PA3EWP and Dick/PA3FQA, all members of the Contest group Oude Maas (PI4COM), will spend their HAM holiday on Guadeloupe (FG), as follows: September 13-18 - Signing as FG/home call and will be active during the WAE SSB Contest. Sept. 14-15 - Using a special call, TO5C (callsign not confirmed yet) as a multi-single entry.

GUANTANAMO BAY, KG4. Larry, WB6VGI, will once again be active from KG4 land for a 2 week period starting on the 10th of September. Look for KG4ML on the WARC bands (primary bands) and others as requested. Most of the Guantanamo ops use the other bands so the KG4 card isn't as hard to get on these. QSL via WB6VGI CBA. (opdx)

HEARD IS., VK0 - Early 1997.

JAN MAYEN, JX. JX7DFA will be active from Jan Mayen until October.

LEBANON, OD. Until 30 September OD/F5PWJ will be active from Libano in CW and SSB on all bands. QSL via F5PRR.

LESOTHO, 7P. Martin, G4FUI, is active as 7P8/G4FUI on CW/SSB. He will be there until the beginning of December. QSL via home call. (opdx)

MACQUARIE IS., VK0 - Since the end of July Warren, VK0WH has been again active from Macquarie Island after being QRT for about a month. He will be QRV for the US on Tuesdays from 10.30 UTC on 7.009 MHz and for Europe on Sundays from 5 UTC until the end of August. Warren can operate on 20 meters (14.040 MHz QX 3 up and 14.164 MHz) and on 7.060 and 3.550 MHz. These are the only amateur radio band frequencies currently programmed

into his commercial equipment - it is programmed from a site which is fairly distant from his operating site and Warren must walk about a kilometer to change frequencies or modes! After August he will have to curtail his amateur radio activities a bit because of his business commitments. Warren expects to leave the island at the end of October, but it is rumored that his replacement has an amateur call. (425dxn)

MALDIVES, 8Q. From 22 to 31 October Josep, EA3BT and his wife Nuria EA3AOK will be active in SSB, RTTY and CW (WARC bands included) from Maldiva respectively as 8Q7BT and 8Q7OK. They plan to participate in the CQWW DX SSB Contest. QSL via EA3BT. (425dxn) -- also -- Andy's (G4VPM) activity from the Maldives will take place from 8 September for two weeks. Andy had applied for 8Q7PM, but he has been given the call 8Q7AS. Operations will concentrate on the usual QRP CW frequencies and Andy will decide which band(s) to use depending on propagation. (425dxn)

MALI, TZ. Larry, TZ6VV, is now active mainly in CW, on 40, 17 and, mainly, on 30 m. Find him between 10.109-10.115 MHz, around 22 UTC during weekends. QSL via TZ6VV (BP 2786, Bamako, Mali). (425DXN)

MARION IS., ZS8. Until June-July 1997 Chris, ZS5IR/ZS6RI will be active from Marion Island as ZS8IR. Chris will join the 53th scientific expedition to Marion, as the official doctor and will work from base camp on all the bands, also on 6 and 160 meters, in SSB, CW and RTTY hoping to join major contests. The station will be equipped with an IC-735, a FL-2100Z, PK-232 and antennas will mainly be wire due to high winds. QSL via ZS6EZ (ex-ZS6BCR).

MARTINIQUE, FM. Peter/PA3BBP, Rob/PA3ERC, Ronald/PA3EWP and Dick/PA3FQA, will operate from FM, as follows: Sep 30 to Oct 6 - They will be active as FM/home call. (opdxn)

NIGERIA, 5N. The DX News Sheets report that Pete/W0AW, Mike/N9NS, Joe/K8JP and Vincent/G0LMY, will be active October 22nd to November 3rd, on CW/RTTY and satellite RS-12 and AO-13. They will also be active in the

CQWW SSB Contest as 5N9N and are looking for two more operators. Contact Pete, W0AW, if you're interested. QSL via N2AU direct only. (opdxn)

SABLE IS., CY0. Murray, WA4DAN, plans to be active as WA4DAN/CY0 October 22-29th, which includes the CQWW SSB Contest. Other members of the team include Ken/V73C/AH9C, Bob/KW2P, Atsi/VK2BEX and Ron/AA4VK. (opdxn)

SAINT PAUL, CY9. Don, VE1AOE and Ken, VE1RU are organizing a DXpedition to Saint Paul Island in September.

SENEGAL, 6W. Starting from July 96, for two years, Didier, F5OGL will be active from Dakar, Senegal. Didier plans to work on all bands from 10 to 160m on CW, SSB and RTTY. QSL via F6KEQ.

SWAZILAND, 3DA. From 25 to 28 October Dave, WJ2O will be active from 3DA. Dave will participate in the CQWW SSB Contest (26-27 October) with Sam, ZS6BRZ and Andre, ZS6WPX (10-160m, WARC bands excluded). (425dxn)

SYRIA, YK. The DXNL reports 20 operators (OMs/XYLs) from Germany will sign YK0B during the first week of October. Not only will this group operate on CW/SSB, but the group plans to also work on RTTY and the satellites. QSLs via DL8HCZ. (opdxn)

THAILAND, HS. Starting from about 15 September, Fred (K3ZO) will be active as HS0ZAR for three or four weeks. QSL via K3ZO. (425DXN)

TOGO, 5V. The VooDoo Contest Group (AA7NO, G3SXW, G4FAM, GM3YTS, K5VT, K7GE, KC7V, N7BG, W6RGG and WB7SRW) is planning the participation in CQWW CW Contest (23-24 November) from Togo in the multi-multi category (six stations and 17 antennas will be installed!). The 5V5A call has been requested and it is possible that before the contest the operators will be active on WARC bands and on 160 m with their callsigns. QSL via GM4AGL.

TONGA, A3. Starting in August Paul, KK6H will be active from 10 to 40m, (mainly CW and RRTY) as A35RK for at least six months. QSL via W7TSQ.

TUNISIA, 3V. The DXNS reports that Eddie, W6/G0AZT, will be active October 9-13th, from 3V8BB. Operations will be

mostly RTTY 80 10 meters low power. QSL direct only. (opdxn)

UGANDA, 5X. Gus, SM5DIC, will be active from Kampala as 5X1D until the end of October. Activity will be on CW/SSB and 80-6 meters. QSL via SM0BFJ. -- also -- Peter, 5X1T, has been barely active as his family was on visit during July and August. Beginning September 7th, Peter will be back on the air full speed. 9U5CW is shipping Peter's low band vertical back, so we can expect 5X on 80 and 160 meters again. Peter is leaving Uganda on December 1st for 3 months for the Heard Island expedition. (opdxn)

WILLIS IS., VK9W. Until the end of 96, Graeme, VK5WG will be active as VK9WG from Willis islands. QSL via home call.

ZAIRE, 9Q. Alex, PA3DZN was scheduled to return to Zaire in early June. He will be active for one year as 9Q2L. QSL via PA3DMH.

--- MONTHLY FEATURES ---

• Sources for DX info

Jan 96 - *The GOLIST*

Feb 96 - *QRZ DX*

Mar 96 - *The DX Bulletin*

Apr 96 - *The 59(9) DX Report*

May 96 - open

Jun 96 - *The DX Magazine*

Jul 96 - *The 425 DX News*

Aug 96 - open

Sep 96 - *The Ohio/Penn DX Bulletin*.

The Ohio/Penn DX Bulletin is the second of our series featuring "on line" DX news sources. The OPDXB is published weekly (on Mondays) by Tedd Mirgliotta, KB8NW, a members of the Northern Ohio DX Association.

You can access the OPDXB on landline BBS (Basic Amateur Radio Frequency, BARF-80 +1 216/237-8208) or by email via either The DX Reflector or directly by subscription. To subscribe directly to the OPDXB send an email addressed to

opdx-request@nshore.org

and in the Subject field type "subscribe" (of course do not use the quotes). Do not type anything in the body of the message.

The OPDXB is the largest domestic "on line" bulletin and it is "chock full" of good DX info. Give it a try!

----- OKDXA STUFF -----

**Oklahoma DX Association
1996 DX Banquet**

Press Release
August 22, 1996
Oklahoma City, OK

The Oklahoma DX Association announces it's 1996 DX Banquet featuring presentations by globe-trotting DXpeditioner Vince Thompson, K5VT, and Bill Kennamer, K5FUV, Manager of the ARRL's DXCC Program. Vince will present a color slide collage of his most recent operations and Bill will discuss the DXCC Program of the future.

This year's event will take place on Saturday, November 9, 1996, at the River Oaks Golf Club, located just east of Edmond, OK (2 miles east of Interstate 35 on Hefner Road, between Sooner Rd. and Air Depot Rd.). Neither OKDXA membership nor DXing expertise is a requirement for attendance! We encourage any and all to attend, enjoy the presentations, and meet our guests and members.

The doors will open at 2:00 pm with refreshments available for purchase. All OKDXA members are invited to attend a short business meeting at 3:00 pm. Dinner will be served at 5:00 pm. Door prize winners and the OKDXA Ham-of-the-Year will be announced at the dinner. The program will conclude by 9:00 pm with a coffee-hospitality continuing until ???

Plan to participate in our CW sending and copying contests! And just like typing in high school ... the fastest may not be the best'est. It will be lots of fun ... and just FOR fun!

Tickets are \$20 per attendee and are available ONLY by preregistration. Please send a check or money order, made out to

the OKDXA, along with your registration to our President, Jim Hood, WV5S, at the address given below. Tickets will be returned by mail. The registration deadline is October 31, 1996. The latest banquet details will be available on the OKDXA world-wide-web site at ...

<http://www.pcok.com/~n5ogp/okdxa/>

Flyers with registration instructions will be included in a membership packet that will be mailed out this month. The cutoff date for registration is October 31, 1996.

• Welcome new members!

Mark Ewell, MD
1902 W. Gore Blvd., Suite 310
Lawton, OK 73501
71250.1327@compuserve.com

• N5OK elected ARRL OK Section Manager ...

We offer our congratulations to our new OK Section Manager-elect Coy Day, N5OK, of Union City. Coy was declared the winner of the two-man race in late August in a special ARRL Bulletin.

Coy has served the OKDXA as President (2 terms) and currently serves on the OKDXA Board of Directors. Coy also writes the Contest Continuum column in the OKDXA newsletter and serves as our Contest Coordinator and Packet Cluster Technical Coordinator.

Coy's challenger was OKDXA member Dick Russell, KJ5VV of Midwest City.

• OKDXA donates toward the AH4/AH0W operation ...

The OKDXA was able to donate \$100 in private contributions toward the Central Arizona DX Association's DXpedition to Midway, KH4. The expedition leader, Frank Smith, AH0W, is a member of the OKDXA and the OKDXA logo will grace their QSL card. Thanks very much to those who donated.

• Membership packet to be mailed ...

In September a packet will be mailed to every OKDXA member. It will contain all this "neat stuff" ...

- Banquet registration forms
- Cover letter from WV5S (suitable for framing of course! ha)

- Membership apps (2)
- Membership roster (2)
- OKDXA Constitution/Bylaws
- Shirt order form
- Treasurer's report

Use one of the membership apps to renew your own membership and give the other to a friend. Ditto with the Banquet flyer.

Please use the membership application to alert me of any changes/updates to your personals by penning in ONLY what is new or changed. If nothing has changed, just pen in your name and callsign.

Mail your membership apps/renewals to N5OGP. Banquet registrations go to WV5S.

• Callsign change ...

Richard Winnard, KJ5QU, has taken advantage of the vanity call sign program and has regained a former call. Richard is now • Dues KB5TCY.

are due October 1 ...

Well it is almost that time again ... time to happily and cheerfully mail in your membership dues for 1996-97. Dues are due on October 1 and become delinquent on November 1. A prompt "re-up" will save your treasurer and the C&E folks a bunch of paperwork! Thanks for supporting the OKDXA.

• OKDXA seeks incorporation ...

After Steve Sweetko, AA4BG, was elected as one of our VPs at the OKC Ham Holiday, President Jim Hood immediately put him to work with the responsibility to coordinate our Incorporation. Steve wasted no time and has found a ham/attorney in the Tulsa area that will help us incorporate at a tremendous cost-savings. We'll provide the membership with all the details in a later newsletter. Thanks Steve for the good work!

• Current Email Directory

Be sure to peruse the list and update your address books (* indicates a new address or a change).

Bargmann, Nate KA0RNY
nbargman@fullnet.net
Boyer, Craig AH9B
ah9b@ionet.net

Buford, Bob KD5QD
103130.656@compuserve.com
Burnette, Bruce NW5H
nw5h@worldnet.att
Byard, Mark N5OGP
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* Ewell, Mark KC5IZN
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Hood, Jim WV5S
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Horn, Dave N5CG
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Hunt, Ross K5RH
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Ingram, Jay W5QVS
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Land, Dave KD5FX
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Martin, Erik AA5WQ
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Martin, Jeff K5WE
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wa5yom@wb5cqu.ampr.org
Warren, Troy KE5K
ke5k@aol.com

If you are a member of the OKDXA and you have an email capability (and you wouldn't mind having it published in this NL) please email it to your Editor, N5OGP. Thanks!

• *Kudos column*

Congratulations to OKDXA member Frank Smith, AH0W, who led the recent Midway DXpedition. Jim Reid sent out this report on the DX Reflector, dated 25 Aug at 4:00 pm, Hawaii time

"Just returned a bit ago from the airport at Lihue here on Kauai. Met the Fish and Wildlife Gulfstream plane that brought the AH4/AH0W crew back from Midway. They are tired, but very happy with their efforts. A bit frantic here, as customs and USDA were using up too much of the time available between planes! Customs was concerned about drugs coming in from small boats that park off Midway from time to time. Frank got hassled

about a few sea shells he had gotten permission from Fish and Wildlife to pick up and bring home for family to see! Oh well, the world seems full of bureaucrat types who like to pick at small nits (shells).

We all certainly thank them for their efforts especially the only 25 or so topband QSO's Frank indicated they were able to bag each night. 73, Jim, AH6NB"

----- MISCELLANY -----

• *W5 DX/Contest BASH Oct 5-6*

This is an open invitation to all DX'ers, Contesters, and VHF'ers to attend the SIXTH Annual W5 DX BASH on Oct 5-6. The BASH is a GREAT social time, just like Dayton or Visalia, to meet and greet other DX'ers, Contesters, and serious VHF operators.

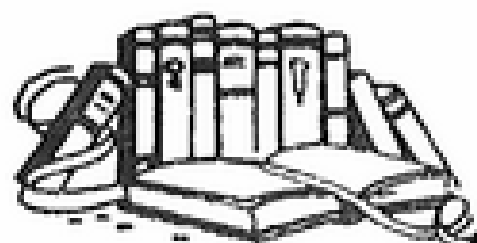
Details on the BASH are on our web page at

<http://www.applink.net/tejas/w5bash.html>

Check our web page for updates and other information including pictures of ops, stations, and other goodies. Bryan W5KFT

If you are interested and not on the WWW contact Bryan, W5KFT, at his home address.

73 de N5OGP sk



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NEW RF SAFETY STANDARDS

The new government mandated RF safety standards for ham radio operations that were announced last week are causing cries of indignation from many in the Amateur Radio community. Hams are saying that they don't want them and some say that they are readying legal challenges to stop their implementation.

The new rules announced by the FCC take effect on January 1, 1997. They will impact on the way hams running 50 watts or more peak envelope power out, on any band, operate. Also, on the way every radio amateur interfaces with the non ham community. This is because the FCC now will require hams to consider the possibility of health problems related to radio frequency energy exposure from their stations to members of the general public.

In its Report and Order on ET docket 93-82, the Commission adopted Maximum Permissible Exposure limits for electric and magnetic field strength and power density for transmitters operating at frequencies from 300 kHz to 100 GHz. This includes transmitters used in the Amateur radio service. These new MPE limits are generally based on recommendations of the National Council on Radiation Protection and Measurement. In some respects, they are also based on the guidelines issued by the

Institute of Electrical and Electronics Engineers and subsequently adopted by the American National Standards Institute. In formulating the new rules the Commission used the 1992 ANSI and IEEE standards instead of the 1982 ANSI standards. The 1982 standards had formed the basis for the existing rules under which Amateur Radio stations were categorically exempted. And judging by conversations heard on the air, monitored on packet and going on the Internet, the ham radio community wants the old standard put back in place.

While ARRL Executive Vice president Dave Sumner, K1ZZ writes that the FCC expects it will not be difficult for most amateur stations to show that the specified limits will be met, hams are not convinced. Most fear that the enactment of these new RF exposure guidelines will give new legal arguments to states and municipalities to ban not just antennas and towers, but also the operation of radio transmitters as well. Hams also worry that the federal, state and local bureaucracies will each place individual demands on ham stations to prove compliance through costly scientific testing. Testing that some say, no ham could afford.

Also worrying hams is the question of personal liability. Many Internet postings note that there are a lot of lawyers looking to make names for themselves by soliciting cases that hold the possibility of setting legal precedents. Many wonder who will be the first target of one of these career seeking legal minds willing to bankrupt a ham just to put his name in the ranks of legal experts on another innocuous cause celebre.

As we go to air, it is not clear as to exactly what is involved in conducting a routine RF radiation evaluation. Dave Sumner says that the commission has promised to release a revised bulletin titled Evaluation Compliance with FCC Specified Guidelines for Human Exposure to Radio Frequency Radiation. It is hoped that document will spell out the level of involvement and monetary expenditure of RF compliance certification that will be required by hams. In the meantime, the ARRL says that it is studying the 100 plus page docket, to see if the League should seek reconsideration of any aspect of the FCC decision. Even if the League does not file a challenge, from what we are reading on the Internet, it seems likely that more than a few individual hams will.

FCC VANITY CALL SIGN ADVICE:

READ THE DIRECTIONS!

The FCC wants hams to be a lot more careful in the way they fill out their paperwork when applying for vanity call signs. So says Larry Weikert, who is the FCC's point man in Gettysburg for processing vanity call sign applications. Weikert says that many vanity applicants are failing to follow directions when filing the Form 610V vanity call application. He asks that all applicants take the time to carefully read the instructions and follow them explicitly to avoid problems or disappointments. In addition, applicants should always print legibly.

Weikert also says that some applicants are attaching Form 610s to their vanity call sign applications to renew licenses or to file an address change. He says that Form 610 transactions should be filed separately. They should not be included as part of a vanity call sign application.

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HAM RADIO CONCLUDES AIR CRASH SUPPORT

More than 125 hams from the Greater New York City-Long Island vicinity have already contributed more than 2500 volunteer hours to support recovery operations in the wake of the TWA Flight 800 disaster. Although the recovery effort continues, and Amateur Radio remains on call, official involvement by hams concluded the last weekend in July.

Walt Wenzel, KA2RGI, the regional RACES officer for the New York State Emergency Management Office had high praise for the work of the ham radio volunteers. Wenzel also offered some lessons learned from the recovery support effort. He says that hams must learn not to always count on 2 meter repeaters alone to provide coverage of a disaster area. He also says to keep a database of available equipment that can be loaned to operators who turn out to help.

W2NSD FILES PERSONAL BANKRUPTCY

Financial problems continue for 73 Magazines Wayne Green, W2NSD. On July 3rd, Green filed a voluntary petition for Chapter 7 individual bankruptcy in the United States Bankruptcy Court for the District of New Hampshire. In his petition, Green lists his total assets at just over \$5000 and liabilities exceeding one million dollars.

Greens' declaration of personal bankruptcy comes only a month after his Wayne Green Incorporated filed for business bankruptcy. Not included in either filing is 73 Magazine long associated with Green. Two years ago 73 was sold to his wife Sherry Smith-Green. Sherry Green reportedly has a new staff

already in place so that publication of 73 should remain on schedule for the foreseeable future. Wayne Green, W2NSD, is expected to continue contributing editorially.

AMATEUR RADIO AWARENESS DAY IS SEPTEMBER 21

Amateur Radio Awareness Day take place this year on September 21st. Amateur Radio Awareness Day is an annual ham radio event designed to interest the general public in local ham radio activities and spread the word of ham radio's readiness to assist the community.

Press kits and other aids to help you promote ham radio for Awareness Day are available from ARRL's Public Relations Office. Contact:

Jennifer Gagne, N1TDY
Monday to Friday at (860) 594-0328
from 9 am to 4:30 pm, eastern time.

NEW SHOW

"Into Tomorrow" with Dave Graveline, The Consumer Electronics & Technology radio network program, is now available nationwide. The show airs live on Saturday mornings from 10am to Noon, Eastern Time, from Dave's home in Miami Lakes, Florida, via an Integrated Services Digital Network line to the ABC Radio Network satellite Uplink in New York City.

Discussions center around the latest in technology for all kinds of products and services. The show is highly interactive, with listeners encouraged to join the show live via E-mail as well as toll free open phones. Listen for Into Tomorrow on the Satcom C5 satellite, Transponder 23, SEDAT Channel 15.

1996 ARRL AND TAPR DIGITAL CONFAB SET

Mark your calendars and make plans now to attend the year's premier Amateur Radio digital communications event. The 1996 joint ARRL and Tucson Amateur Packet Radio Digital Communications Conference is set for September 20th to the 22nd in Seattle, Washington, just minutes from the SeaTac Airport.

This marks the first time the ARRL Digital Communications Conference and TAPR Annual General Meeting have joined into one conference. Local sponsors include the Puget Sound Amateur Radio TCP/IP Group and Boeing Employees Amateur Radio Society. For more information on the conference, registration, and hotel reservations, contact:

Tucson Amateur Packet Radio
8987-309 East Tanque Verde Rd. No. 337
Tucson, Arizona 85749

NEW LIFE FOR OLD HEATHKITS?

If you are a Heathkit aficionado, listen up. The ARRL Lab's Mike Tracy, KC1SX, says that he has uncovered a possible source for surplus Heathkit parts that Heath sold off a number of years ago. It's a company called Spectrum Electronics located in Grand Rapids, Michigan.

Mike Tracy says that although Spectrum Electronics is strictly a repair business, if you let them know what specific Heath part number you are looking for, they may be able to provide it. However, he emphasizes that you must be specific and you must supply exact part numbers.

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A. R. R. L. Bulletins

From ARRL Headquarters
Newington CT

To all radio amateurs

ARRL Bulletin 55
August 22, 1996

FCC to open Gate 2

The FCC has announced that vanity call sign filing Gate 2 will open September 23. Under Gate 2, Amateur Extra class licensees may request a vanity call sign on or after that date. File requests on FCC Form 610V. Legibility is critical. If your application is not legible, you could experience a delay in processing, lose the opportunity to obtain a requested call sign or even obtain a call sign different from what you want.

Under Gate 2, you must hold an unexpired Amateur Extra class operator/primary station license to request a vanity call sign for your primary station. To request a vanity call sign for a club station under Gate 2, you must also hold an unexpired club station license grant listing you as the license trustee. Applicants should refer to the licensee data base to verify that a requested call sign is not already assigned. A call sign is normally assignable two years following license expiration, surrender, revocation, set aside, cancellation, void ab initio, or death of the grantee.

Using Form 610V, provide a list of up to 25 call signs in the order of preference. The first assignable call sign on the list will be assigned to your station. Remember: When requesting a call sign under Gate 2 for your primary or club station, the call sign must have been unassigned for at least two years. As an Amateur Extra class operator, you may request a call sign from any group, A, B, C or D.

Any call sign requested must be one designated for the region of your mailing address, as follows:

One of the contiguous 48 states: Regions 1 to 10.

Alaska: Regions 1 to 11.

American Samoa: Regions 1 to 10, or Region 13 having numeral 8.

Commonwealth of Northern Mariana Islands: Regions 1 to 10, or Region 13 having numeral 0.

Guam: Regions 1 to 10, or Region 13 having numeral 2.

Hawaii: Regions 1 to 10, or Region 13 having numeral 6 or 7.

Puerto Rico: Regions 1 to 10, or Region 12 having numeral 3 or 4.

Virgin Islands: Regions 1 to 10, or Region 12 having numeral 2.

For explanations of Groups A, B, C and D and the geographic Regions, see Fact Sheet PR5000 Number 206-S, Amateur Station Sequential Call Sign System. For more information, see Fact Sheet PR5000 Number 206-V Amateur Station Vanity Call Sign System.

Advanced, General, Technician Plus, Technician, and Novice class operators are not yet eligible to request by list. Advanced class operators will be eligible at Gate 3. Others will be eligible at Gate 4.

A separate Public Notice will be released providing guidelines for the implementation of electronic filing procedures for FCC Form 610V.

ARRL Bulletin 54
August 22, 1996

SM election results

Ballots have been counted in the Section Manager election for Oklahoma. The term of office begins October 1, 1996.

The results are Coy C. Day, N5OK, 475. Richard E. "Dick" Russell, KJ5VV, 149. Day was declared elected.

SM positions in eight other sections were not contested. The following were declared elected.

In Connecticut, Betsey Doane, K1EIC.

In Minnesota, Randy Wendel, N0FKU.

In North Dakota, Roger Kurtti, WC0M.

In Ohio, David Kersten, N8AUH.

In Southern Florida, Robert "Rip" Van Winkle, AA4HT.

In Western New York, William Thompson, W2MTA.

In Puerto Rico, Guillermo Schwarz, KP4DDB.

In the Virgin Islands, John Ellis, NP2B.

ARRL Bulletin 52
August 9, 1996

ARRL/VEC electronic filing

Effective immediately, the ARRL/VEC will electronically file with the FCC Forms 610 for ARRL members. The ARRL/VEC can electronically file FCC Form 610 applications for amateur station license renewals, or for address, name or call sign changes. This service is free to current ARRL members.

ARRL members must send a correctly completed, signed and dated original Form 610 to the ARRL/VEC. Members can send the Form 610 by US mail, by courier, or hand delivery to ARRL/VEC, 225 Main St., Newington, CT 06111. Applications received by the ARRL/VEC must include an original signature. Forms 610 cannot be accepted via fax.

Only applications for renewal made on FCC Form 610 may be electronically submitted by VECs. For now, VECs cannot process computer-generated Forms 610R (which are mailed by the FCC directly to upcoming expirees). Those must go directly to the FCC. Also, VECs cannot presently process FCC Forms 610A, 610B, 610R or 610V. FCC Rules stipulate that renewals be submitted to them no earlier than 90 days before the license expiration date. Licenses that have been expired for less than two years may still be reinstated. A Form 610 for renewal must be submitted to a VEC or FCC before the two-year grace period has ended.

Applications for a systematic call sign change must have Box 4E checked, and the applicant must initial the line adjacent to the box. Applications for an address change must include a current mailing

address that is within the United States or its possessions or territories (i.e., where mail can be delivered by the US Postal Service).

Applications submitted for a name change must include a copy of a legal document showing the formal name change. The former name must be written on the line next to Box 4C. Typographical errors can be corrected using Form 610.

ARRL/VEC can answer questions regarding Form 610 application processing for ARRL members. Call 860-594-0300, weekdays and evenings, from 8 AM to 9 PM Eastern Time.

ARRL Bulletin 51

August 6, 1996

New RF standards Part 2

(continued from part 1)

The new regulations also will require the addition of five questions on RF environmental safety to the amateur examinations for Novice, Technician, and General-class elements 2, 3(A) and 4(B). Sumner noted that the Commission's Report and Order does not take into account the practical problems associated with such a significant revision to the volunteer-administered amateur examinations, and that more time than the Commission has allowed will be required to do a good job.

The Commission acknowledged the updated guidelines generally are more stringent than the current rules but said that the new rules will protect the public and workers from strong RF emissions. Adoption of new rules by August 6 was required by the Telecommunications Act of 1996.

The FCC encourages the amateur community "to develop and disseminate information in the form of tables, charts and computer analytical tools that relate such variables as operating patterns, emission types, frequencies, power and distance from antennas." The Commission said it intends to provide "straightforward methods for amateur operators to determine potential exposure levels" by year's end.

In comments filed earlier with the FCC, the ARRL strongly opposed adoption of the new requirements. The ARRL said most Amateur Radio users do not possess the requisite equipment, technical skills, and/or financial resources to conduct an environmental analysis. The League has, for several years, recommended a policy of "prudent avoidance" of exposure to electromagnetic radiation as a common-sense approach to potential—but not yet proven—health hazards and against such practices as running high power to indoor antennas or to mobile antennas that might expose the vehicle's occupants. The ARRL also argued that amateur stations, because of their intermittent operation, low duty cycles, and relatively low power levels, rarely exceed the 1992 ANSI/IEEE standard. Finally, the ARRL noted that unlike other radio services, RF safety questions already are included in amateur license examinations. But the FCC expressed concern that Amateur Radio operations "are likely to be located in residential neighborhoods and may expose persons to RF fields in excess of the MPE guidelines."

For now, the League advises hams not to panic and to read up on the subject. You can download the complete Report and Order by pointing to http://www.fcc.gov/Bureaus/Engineering_Technology/Orders/fcc96326.txt. Other resources are available on the ARRL Web page at <http://www.arrl.org/news/rfsafety/>.

General information on RF safety is available in the safety sections of The 1996 ARRL Handbook and in the 15th edition of The ARRL Antenna Book. These materials offer guidelines on how to comply with the ANSI standard referred to in the Report and Order.

ARRL Bulletin 50

August 6, 1996

New RF standards Part 1

New FCC RF safety standards effective January 1, 1997, could affect the way some hams operate, perhaps especially those using vehicle-mounted antennas. As a result of a Report and Order adopted by the FCC on August 1 (ET Docket No.

93-62, Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation), Part 97 will require hams running more than 50 W PEP to conduct routine RF radiation evaluations to determine if RF fields are sufficient to cause human exposure to RF radiation levels in excess of those specified. "Measurements made during a Commission/EPA study of several typical amateur stations in 1990 indicated that there may be some situations where excessive exposures could occur," the FCC said in ending the blanket exemption for Amateur Radio. Amateur operation at power levels of 50 W PEP or less is "categorically excluded" from the exposure requirement in most cases. Where routine evaluation indicates that the RF radiation could be in excess of the limits, "the licensee must take action to prevent such an occurrence," the Report and Order stated. The FCC said this could mean altering operating patterns, relocating the antenna, revising the station's technical parameters—such as frequency, power or emission type—or "combinations of these and other remedies."

"Exactly what is involved in conducting a 'routine RF radiation evaluation' is not yet clear," observed ARRL Executive Secretary David Sumner, K1ZZ, adding that the FCC has promised to release a revised OST/OET Bulletin Number 65, "Evaluation Compliance with FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation." The League is now studying the 100-plus page docket, to see if the League should seek reconsideration of any aspects of the FCC decision. Sumner noted that the FCC expects it will not be difficult for most amateur stations to show that the specified limits will be met.

In the Report and Order, the Commission adopted Maximum Permissible Exposure (MPE) limits for electric and magnetic field strength and power density for transmitters operating at frequencies from 300 kHz to 100 GHz. These MPE limits are generally based on recommendations of the National Council on Radiation Protection and Measurement (NCRP) and, in many respects, are also generally based

on the guidelines issued by the Institute of Electrical and Electronics Engineers Inc. (IEEE) and subsequently adopted by the American National Standards Institute (ANSI) as an ANSI standard (ANSI/IEEE C95.1-1992). The Commission used the 1992 ANSI/IEEE standards instead of the 1982 ANSI standards that had formed the basis for the existing rules under which Amateur Radio stations were categorically exempted.

Sumner said that for high-power mobile operation and for operation with indoor antennas, particularly in apartment buildings and other situations where there is "uncontrolled exposure" to neighbors and the general public, "amateurs may well have to make changes in how they operate." He said the ARRL Lab staff and the RF Safety Committee will be evaluating the new requirements.

(continued in Part 2)

NEWSLINE IN FINANCIAL TROUBLE

*A Special report from Andy Jarema,
Support Fund Administrator*

"Newsline support fund administrator, with some very bad news. My job is to make sure that the bills get paid, and I'm here to tell you that I'm about to pull the plug. Pull the plug on over 19 years of responsible, up to the minute reporting of the news that matters to you, the radio amateur. There's been a fleet of caring amateurs, just like you, bringing you the news as it happens. As amateurs, we're committed to the concept of bringing you that news voluntarily, without monetary compensation."

"Many of you have stepped up to the plate to help us, and we appreciate every effort. But the sad fact is that it takes an average of \$1000 per month to keep Newsline on the air, with the online services, long distance to get the voices of the news when it happens, phone lines for the news feeds, postage services, and the like. For the past two years, voluntary contributions

have averaged less than \$500 per month. I don't have to ask you to do the math."

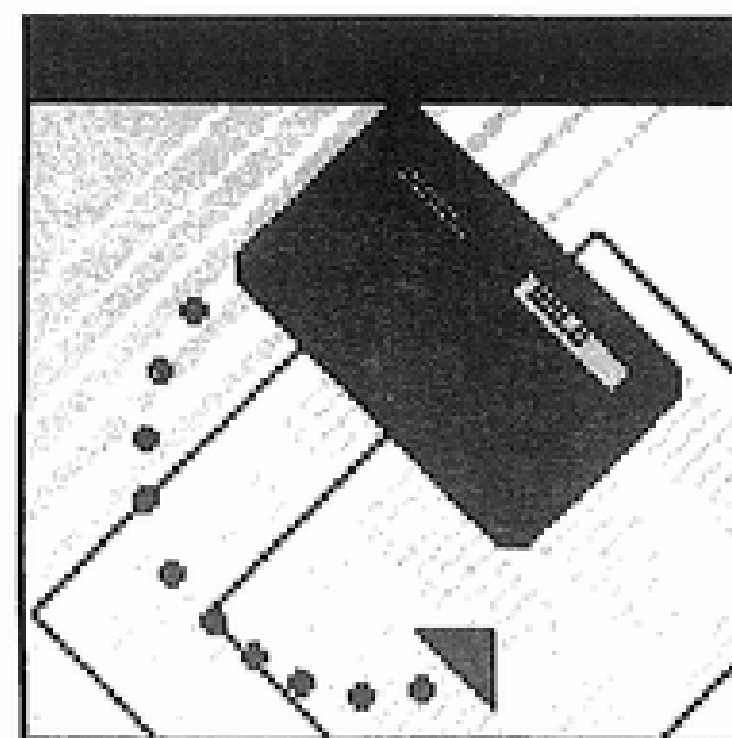
"How many amateur radio clubs are there in the U.S., or in the many other countries where Newsline is heard, or even more where it is now read and heard on the Internet? If each club would contribute just \$50 to \$100 a year to keep Newsline on the air, you would achieve the goal of keeping the latest amateur radio news flowing to you."

"As an MBA, and a CPA, and owning, building, then selling my own business, I don't like losing propositions. You've heard hams refer to "hitting the Big Switch". Newsline report number 1000, on October 11th will be our last newscast, unless you help now in a major way. We have no choice."

"Again, our address:

Newsline Support Fund
P. O. Box 660937
Arcadia, CA
91066-0937.

It's up to you..."



ARRL Bulletin 53

August 19, 1996

FCC ISSUED CALLSIGN UPDATE

The following is a list of the FCC's most recently issued call signs as of August 1.

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	AB0CL	KI0DX	++	KB0YDQ
1	AA1QJ	KE1FS	N1XSM	KB1BYX
2	AB2BV	KG2HV	++	KB2ZOZ
3	AA3OR	KE3XD	N3XXK	KB3BPN
4	AE4WV	KT4UJ	++	KF4LDT
5	AC5JD	KM5CH	++	KC5VOO
6	AC6WW	KQ6IB	++	KF6FLG
7	AB7RW	KJ7ZS	++	KC7SEA
8	AA8XS	KG8YE	++	KC8ENT
9	AA9TB	KG9HP	++	KB9OEY
N. Mariana Is	NH0A	AH0AW	KH0FA	WH0ABF
Guam	WH2W	AH2DB	KH2QT	WH2ANR
Johnston	++	++	++	++
Midway	++	++	++	++
Hawaii	++	AH6OT	++	WH6DCN
Kure	++	++	++	++
Amer. Samoa	AH8O	AH8AH	KH8DA	WH8ABF
Wake	++	++	++	++
Alaska	++	AL7QQ	KL0AH	WL7CTW
Virgin Is	WP2X	KP2CJ	NP2JK	WP2AIE
Puerto Rico	KP3D	KP3AG	NP3EG	WP4NMH

++ All call signs in this group have been issued in this area. Newly issued call signs for these groups/areas are assigned from the next lower group.

Up - Coming Hamfest / Swapmeets

September 14, 1996 - Midwest City Swap Meet sponsored by Choctaw Amateur Radio Club. From 8:00 a.m. to 12 noon. Location Midwest City Community Center. For more information contact Bill, N9SQV at 390-1514.

September 14, 1996 - Eyeball QSO and Swapfest sponsored by the Great Plains Amateur Radio Club in Shattuck, OK For more information contact Bob Bayless (405) 923-7966

September 21, 1996 - Hamfest and Craft Fair sponsored by AAARA.

September 27 & 28, 1996 - Kansas ARRL State Convention. ARRL VE Testing session, Forums, Flea Market, Prizes and More. For more information contact: Sonjia Cowart-Clover, N0TYV 1006 E 5th Newton, KS 67114-3018
Phone - 316-284-0262

September 28, 1996 - 1996 Hamfest sponsored by Fort Smith Area Amateur Radio Club. Dealers, flea market, forums, prizes, VE testing. For more information contact Randy Baggett, KG5NE @ (501) 928-5845.

October 5-6, 1996 - W5 DX Bash sponsored by West Texas DX Association. Forums and discussions. For more information contact W5KFT via DX Cluster, or (806) 745-3692 (office) or (806) 799-5783 (home).

November 2, 1996 - Enid Ham Fest sponsored by Enid Amateur Radio Club. Dealers, VE testing,, Free Coffee and Doughnuts. For more information contact Fred, N5QJX (405) 242-3551

December 14, 1996 - Midwest City Swap Meet sponsored by Choctaw Amateur Radio Club. From 8:00 a.m. to 12 noon. Location Midwest City Community Center. For more information contact Bill, N9SQV at 390-1514.

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 4th Tuesday of each month are held at 1800 in the Shawnee Public Library, 101 N. Philadelphia.

VE exams on 2nd Saturday of each month sponsored by SCARS are held at 1000 at the American Red Cross in on Westheimer Airport in Norman. Contact Jim Copeland, NW0K at 329-1681 for more information.

VE exams on 4th Saturday of each month are held at 1830 at the Altus Vo-Tech in Altus, OK. Contact Rick Alderete, AA5UU for details.

VE exams on the 2nd Sunday of odd numbered months sponsored by the Stillwater ARC at 1500 in the OSU Engineering North Building, Room 316. Contact Ken, K5KC (405) 377-7586 for details.

VE exams on the 1st Saturday of each month at 1430 in the Vinita City Hall sponsored by Northeast Oklahoma Radio Assn.

VE exams on the 1st Sunday of each month at the American Red Cross 6th and Lincoln for more information call Jim at 232-2299.

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.

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.

6 meter check in 52.525 Mhz simplex

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 @ 8:00 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.

YL Net - Tuesdays @ 8:00 p.m. on 147.09 plus input.

ATTENTION WWII VETERANS:

Members of the 304th Signal Operations Battalion Pacific Theater will be holding a reunion 20-22 September 1996.

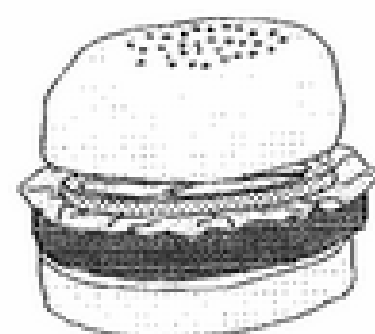
For more information contact:

Bill Schumann, KA5TUF

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 M L O O H C S H G I H R O I N U J G F T X H A E B X
 A M N D J H Q H W H J I Z G Y M E Q N G G S V N U Q
 W S B F P A C K Y O U R L U N C H E C M G C S E T F
 I L N L F M R R F R V M O K M J M I V V W H A G U S
 O I O O P S E T F F O S O U E N U W C I O O J A Z A
 M C C O I T T H X S C R H P G S X A Y F R O H D L F
 A N O H H X W E B E D Q C I D Y I U D U L L S V C S
 S E D C S W D L T U S N S N F D R E O K D O P A E M
 T P E S N I T R A T S S E S S A L C M A H O E N D F
 E D T O A G T E C X A I S I S L N A Q S I H L C O L
 R N E T M I T Q H K R O O C R K B L V D S C L E C X
 S A C K N B V Q R F C A H X S F S B D W T S I D E K
 D S H C E R H O W I L O T E S M D U O T O H N O H O
 E N I A P A W E A N O D H E G E L L O C R G G C T E
 G E S B X E N L U L X T C U B P D G O M Y I T T G B
 R P Q Q M G S E B T O O T B G P G P F G G H E O N U
 E P O O N T R U J L N B A C K P A C K S N D S R I G
 E E H I U G S C C Y G U W J X J V I Q G D I T A N U
 O A K D M S C W Y F H S B E P N U T X T D M T T R E
 Q A I T E H E C V Q V D L E A R N I N G T O R E A D
 M E Q S K N E M T B A T C H E L O R S D E G R E E Y
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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 Labor Day	3	4	5 7:00p.m. Aeronautical Center 7:30 p.m. CARA	6	7 10:00 a.m. Ada ARC
8 2:30 p.m. Wheatstrow	9	10	11	12 7:00 p.m. Altus Area ARC	13	14 9:30 a.m. SCARS 10:00 a.m. SCARS VE Exams
15 2:00 p.m. EARS	16 6:00 p.m. CORA VE Exams 7:00 p.m. Choctaw ARC	17 7:30 p.m. OCAPA	18	19	20	21 9:00 a.m. VE Exams (RSC) 11:00 a.m. VHF Club
22	23	24 7:00 p.m. Shawnee VE Exams 7:30 p. m. CORA	25	26	27 C&E Deadline 	28
29	30	1	2	3 7:00p.m. Aeronautical Center 7:30 p.m. CARA Altus Area ARC	4	5 10:00 a.m. Ada ARC



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