

The Texan

Newsletter of the Texas NTS CW Net (TEX)

**** See "TSN Corner" on Last Pages ****

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Goliad County Fair Update

Received an update from Rodney, W5DY, about operation March 19-22 from the Goliad County Fair using callsign W5G. From the ARRL web listing, with additional details as follows: Mar 19-Mar 22, 1500Z-2200Z (daily), Goliad, TX. Goliad County Amateur Radio Operators, W5G, celebrate the 260th anniversary of the founding of Goliad, second oldest town in Texas. SSB frequencies will be 21.320, 14.270, and 7.215. CW frequencies (from Rodney) will be 3557, 7057, 14057 and 21057. QSL via Skip Stem, WB4DAD, 655 North Loop 337 #405, New Braunfels, TX 78130. Operation is in conjunction with the Goliad County Fair.

7290 Picnic Update

Chuck, AA5J, reports that TSN operators are (as always) invited to the 7290 picnic. He sent out an E-Mail as follows: Texas Slow Net members have been invited to the 39th Annual 7290 Traffic Net Picnic to be held on May 9 at the Riverbend Park in Smithville, TX. Partial information (with more coming soon) is now available at the 7290 Traffic Net site http://www.7290trafficnet.org/mgxroot/page_10771.html . Traffic handlers from all over the state and maybe from out of state will be there. I plan to attend and hope you can also be there. 73, Chuck, AA5J, TSN Net Manager.

Note the BBQ that follows the meeting at 4 PM costs \$8.50 and you will need to send in your request ahead of time (see the website). So far, I have heard from Chuck, AA5J, Rodney, W5DY, Pat, KD5TXD (and OM WB5IZD), and also Bert, AC5Z about plans to attend. Anyone else? My status is still unknown, but Rodney can ably handle things for TEX even if I cannot attend.

W0CXX Again

I will again be traveling to Cedar Rapids, Iowa, for a week's work with Rockwell Collins. The tentative dates are March 15 to the 20th. I hope to again be able to operate from the Collins club station, W0CXX, while there. Net Controls, please send your reports to Rodney in my absence, unless I have checked into the net with you that evening. I hope to be able to keep my Thursday late NCS and TCC schedules, but I will be traveling at the time of my early Friday NCS slot (20th), so someone please QNG for me, thanks.

W1NJM Saga

Thanks to Sis, WD8DIN, the editor of the "Traffic Call" newsletter of the Hit and Bounce Net (HBN – 0730 CT, 7042 KHz), for passing along George Hart's saga of the "early days". Here's Part 23 of George Hart's recollections. Geo's year of debauchery at Penn State and on.

RANDOM RECOLLECTIONS OF AN OLD HAM

A journalistic history of the life and times in Amateur Radio of George Hart, W1NJM, by George Hart, W1NJM. Chapter 23.

Chapter 23 - A tough year in graduate studies in preparation for ARRL

My senior year at Penn State was one of debauchery and fits of depression about my lost love, otherwise it might have been pure fun. The Liberal Arts curriculum was much easier for me and I graduated with my class in June of 1936. But the depression was still on and there were no jobs, so the debauchery and mental depression continued into the summer. I continued operation of W3NF in Ed's third-floor apartment at the farm. With my departure from the State College scene, the fortunes of WLMA waned, but Ed and I continued operation in the AARS from W3NF and WLML. I worked part time for my mother at the farm, spent a lot of time in Ed's third-floor apartment, went out drinking and chasing women almost every night. It wasn't a good time and I despaired of my future.

As Fall approached, still jobless, I started thinking of the possibility of continuing my education. I consulted my former adviser at Penn State to explore the possibility of entering the graduate school as a candidate for a master's degree. He expressed approval of the idea but suggested I attend some other institution, because it was policy to discourage "in-breeding." He suggested the University of Michigan as having a superior English department and an excellent master's program; I didn't much like the idea of being away from the familiar Penn State scene, but after a family council regarding finances, and with Dr. Gates' promise to pave the way, I decided, without enthusiasm, to seek my advanced education in Ann Arbor.

But the scene at Ann Arbor was far different from that at State College. The environment was more urban, the campus spread out through the city, the sprawling metropolis of Detroit a mere 40 miles away. I took no amateur radio transmitting equipment with me and sought in vain for an active amateur radio facility at the University. All I had was Ed's old SW-3 receiver, and this I set up in my room on Catherine Street with an antenna around the ceiling molding. Every night I would listen for W3NF, who would send "blind" letting me know of any developments at home.

You must realize that in those days, the mid-thirties, one did not simply spin a telephone dial to connect immediately to your distant party. Such calls had to go through a special operator who sought connections along the path, and they were very expensive. I don't recall ever, in my entire 6-year college career, making a long-distance call home. Contact was by letter or by amateur radio with Ed. I had a friendly roommate on Catherine Street and we later moved to a boarding house on Monroe Street where I made many friends, but the 5-month period at Ann Arbor was probably the longest hiatus in my entire 74-year (as of April, 2001) amateur radio career - except for 2 1/2 years in military service during WWII. More on that later.

I did come home for Christmas vacation, leaving my car in Ann Arbor in dead storage (students, even graduate students like myself, were not allowed to have cars). It was a long and arduous trip by rail, and I almost decided not to go back; but after consulting with my mother and Ed, it was decided I should finish the semester at Michigan, then we would decide on the future. So back I went, again by rail (there were few or no commercial air routes). I took the "Black Diamond" express sleeper on the Lehigh Valley Railroad from Easton to Buffalo, where I changed to the New York Central across the Canadian peninsula to Detroit and Ann Arbor. There I attempted to continue my graduate studies with little enthusiasm, but by the end of January, as final exams started taking place, I was so fed up and discouraged that I got my 1930 Willys out of dead storage, packed it with my belongings and headed via Toledo and Cleveland back to State College.

I can't describe my feeling of elation as I entered the borough limits on West College Avenue, then PA route 45. It was a homecoming. Before I even went to my fraternity, where I had lived for my four undergraduate years, I stopped in at W8YA and found Gil Crossley in the little workshop. He greeted me with enthusiasm and seemed delighted at my stated intention to seek entrance to the Penn State Graduate School. The place looked exactly the same as I had left it five months before.

Crossley said the new crop of freshmen on the staff had been unimpressive, not a good CW operator among them, and he hoped my return would buoy things up. When I checked in at the fraternity I found here were a couple of vacancies. The new prexy had been a protégé of mine and invited me to move into his room. All feeling of depression and homesickness vanished as I greeted my undergraduate fraternity brothers and many other friends, all of whom seemed very pleased at my return.

Dr. Gates, although a little disappointed at my failure to gain graduate credits at Michigan, promised to help get me into Graduate School, and this was forthcoming with some reluctance on the part of higher authority who, for reason I couldn't understand at the time, still preferred graduates from other colleges and universities, and wished Penn State graduates to attend other institutions - for "Broadening." I did not wish to be "broadened" in that manner. I was a country boy with an intense dislike for the noisy, confused distractions of city life.

My status at W8YA became one of unlimited privilege and high respect. Crossley made me graduate manager, replacing Walter Hawk who had attained his EE degree and gone on to a lucrative job in industry. I was held in high respect by the rest of the Radio Station Staff, about 17 in number, and by my undergraduate brothers in the fraternity. The academic picture was a little less gratifying, because I had to take a number of English literature and other non-composition courses I had little stomach for, but I managed to get by them all and made top grades in my composition courses. The Penn State environment was a most familiar one and I was content. I had also developed a better social presence in the company of Louise Stebbins, a junior co-ed who eventually became my wife. The blight of the unhappy love affair in my last two undergraduate years was still with me, as were the bad habits I acquired because of it, but now it surfaced only occasionally and I felt more a whole person.

By the Spring of 1938, I had achieved all the requirements for a master's degree except the final thesis. This I undertook that Summer, partly at Penn State, partly at the Library of Congress in Washington, partly at Louise's home in Coudersport, partly at home on the farm.

This is supposed to be the story of my amateur radio career, but it cannot be told adequately without an explanation of other facets of my life. The AARS involvement continued after my return from Michigan, both from the farm and from W8YA, as I worked to acquire a master's degree in English composition. It was a period full of a sense of achievement accompanied by normalcy as I acquired, perhaps a little late, the traits of mature manhood.

Coming in Chapter 24 - Geo goes to W1AW and ARRL.

TEX Mailbox:

Bert, AC5Z, clarified the problem he has using a key to send CW (rather than his keyboard, which is now working again). It is not a matter of "practice", as I erroneously stated in the February newsletter. Thanks, Bert, and hope the keyboard continues to serve you well. He writes: You stated in the Feb. newsletter that having had little practice (with the keyer), I "sometimes have a little difficulty." Sad to say, it isn't a lack of practice; rather, it's a constant problem due to the arthritis in the cervical area of my upper spine, and a pinched nerve that is very active in disrupting signals to my right hand, which I use to operate the paddles! I have to live with it, there's no alternative. 73, Bert

A fellow W5ROK club member, **John, K5TIP**, sent in this warning, which is not radio related, but I believe important enough to pass along to those who may have dogs or cats: **Cocoa Mulch**, which is sold by Home Depot, Foreman's Garden Supply, Target, and other Garden supply stores, contains a lethal ingredient called 'Theobromine'. It is lethal to dogs and cats. It smells like chocolate and it really attracts dogs. They will ingest this stuff and die. Several deaths already occurred in the last 2-3 weeks. Theobromine is in all chocolate, especially dark or baker's chocolate, which is toxic to dogs. Cocoa bean shells contain potentially toxic quantities of theobromine, a xanthine compound similar in effects to caffeine and theophylline. A dog that ingested a lethal quantity of garden mulch made from cacao bean shells developed severe convulsions and died 17 hours later. Analysis of the stomach contents and the ingested cacao bean shells revealed the presence of lethal amounts of theobromine.

So if you have pets that go outside, do not use Cocoa Mulch, and watch out for neighbors' use should you have a cat that "wanders".

Rodney, W5DY, reports that besides the 7290 picnic, he plans to drive his "bus" (RV) up to Plano for Hamcom in June. He will arrive on the 11th and leave on the 14th. I will also be attending Hamcom, considering it takes place about 2 miles from my QTH. Anyone else planning to go? Perhaps we can have a get-together one evening if there is enough interest.

Pat, KD5TXD, is bemoaning the poor band conditions we have had the past few weeks. She has a new theory about what has happened, as follows: Hi all, you have heard of the Maunder Minimum... well, this is the KD5TXD minimum. Let this be a lesson to all young folks. Get your ham ticket now. Don't wait 28 years before getting licensed because this could happen to you. All those decades with great band conditions were wasted with foolishness such as needlepoint and crochet when I could have been on the radio during some real solar cycles. My only hope is that I actually live to see a solar maximum. Now I am not asking for a big solar maximum, just a maximum. I will settle for a small, wimpy maximum. I better start taking some strong vitamins. The Maunder Minimum lasted 50 years

or so. Looks like I am going to have to live a very long time before I get to enjoy good band conditions.

Did you know that they have found a hole...yes, a hole, in the magnetosphere? You thought the Ozone hole was a big deal. Well, the magnetosphere is a bigger deal. And it was all caused by me getting my ham license. Bummer...

73!! Pat KD5TXD

Ken, K5RG, has made some progress in getting his 40 meter beam back in operation. You all remember that magnificent skyhook from the pictures in the newsletter last year. You may also recall that hurricane Ike did a number on it. Ken writes: Well it took me some time to figure out a scheme and implement it to get the 40 meter beam off the tower without having to use a crane. It went rather smoothly but if you remember the driven element completely parted from the boom, but not much damage to the two halves since one got caught in the dipoles on the way down to the ground and the other half only sustained about \$15 in damaged parts. The biggest damage was to all three element to boom clamps, all of which had been bent by the wind forces on the elements. The reflector and director had gone almost vertical and they have both slipped (rotated) on the boom but held in place by the support phillystran wires. In fact what surprised me as I was removing the beam from the mast was the amazing amount of torque these two rotated elements put on the boom. I expected everything to be somewhat equalized but the two remaining 'rotated' elements wanted to go back to their horizontal positions and thus had a lot of force on the boom to mast clamp. What was actually broken was not much, since 75% of the fix-it cost was replacing the element to boom clamps.



However the bad news is that I suspect Hurricane Ike put some stress on one of my pine trees that I use for the 80 meter delta loop and within a week after the storm, the pine bark beetles had nailed the tree. One finds out rather quickly the worth of these antenna supports when they 'go away'. But I am still using it since the XYL saw some woodpeckers making a home in it, so we had the tree guys remove all the branches and I've now got one of the oddest looking antenna masts you can imagine (see the picture). I suspect we'll have to remove the remaining trunk in about a year but at least I have a reprieve for a while.

Ken also reported that he will be off to Nepal for a month from March 20 to April 20 to do some climbing. He will be accompanying an expedition to Everest and then a small subset will head back to Kathmandu after getting to Everest base camp and on the way back attempt what is called a trekking peak, Lobuche. This is a "small" (20,000 ft.) peak. You can see more information on <http://www.mountainguides.com/lobuche.shtml>.

Ken passed along some additional info, as follows: On the climb I started to put together some better info that will get refined with time: The International Mountain Guides (IMG) 2009 Everest Expedition will have automated emails along with a news blog/expedition coverage at <http://www.mountainguides.com/wordpress/>. The releases are slanted toward the general progress of the expedition, which will consist of 4 groups. I will be part of the expedition

trekking group that will be attempting Lobuche Peak (around April 11th) after we depart Everest base camp on the way back to Kathmandu. I will be in contact with Camille (my XYL) via the groups' satellite telephone. 73, Ken K5RG

We wish you the best of luck, Ken, in achieving your goal. Stay safe!

Scott, W7IZ, passed along some information that may be of interest to those who are veterans: The National Personnel Records Center (NPRC) has provided the following website for veterans to gain access to their DD-214's online: <http://vetrecs.archives.gov/> .

This may be particularly helpful when a veteran needs a copy of his DD-214 for employment purposes. Military veterans and the next of kin of deceased former military members may now use a new online military personnel records system to request documents. Other individuals with a need for documents must still complete the Standard Form 180, which can be downloaded from the online web site. Because the requester will be asked to supply all information essential for NPRC to process the request, delays that normally occur when NPRC has to ask veterans for additional information will be minimized. The new web-based application was designed to provide better service on these requests by eliminating the records centers mail room and processing time.

Chuck, AA5J, sent in this link to a picture of a marvelous antenna array. He writes: Remember, when? The Russian Woodpecker was an "Over the Horizon" radar that was the bane of many HF radio users world-wide.

Here it is at home:

<http://www.artificialowl.net/2008/12/abandoned-giant-duga-3-system-antenna.html>

73, Chuck

And finally, thanks to **Pat, KD5TXD**, we have a great book report for this issue! "Oliver Heaviside: the Life, Work and Times of an Electrical Genius of the Victorian Age", a biography by Paul J. Nahin. One of my first radio conversations after I got my license was about the ionosphere and the name Heaviside came up, a name I was unfamiliar with. I was duly informed that this was one of the most important aspects of radio and the main reason for the fun of long distance communications.

Oliver Heaviside is famous for his contribution to "wireless", but that is considered to be among his least important efforts. He wasn't the first or only person contemplating the ionosphere at that time. Heaviside's name is linked with the American, Arthur Kennelly, who wrote about the ionosphere just months before Heaviside's article was published. These two names became attached to our beloved ionosphere, the Kennelly-Heaviside layer.

Heaviside grew up on the poor side of Victorian England and much of his early life reads like something out of Dickens. Although opportunity did present itself for Heaviside to attend university he opted not to. Much of his education in electricity was unguided self study. He began a career as a telegraph operator where he studied how electricity traveled inside a cable. This was in the age of the first trans-Atlantic telegraph cable. The career as a telegraph operator didn't last all that long and Heaviside ended up mooching off relatives for most of his life. The problem with long telegraph cables was "intersymbol interference". Heaviside simply called it a "mixing up of the signal." This mixing up of the signal caused the

transmission rate of the trans-Atlantic telegraph to be significantly slower than for shorter distance transmissions or transmission by the new fangled “wireless”, which Marconi was working on. Heaviside applied mathematics to the illustration of the problem. This was a treat for me as I encountered the description of this problem in reading about Marconi.

Heaviside’s forte was mathematics and he respected those scientists of the age who were equally skilled with math. His life’s writings bump into most of the great thinkers in electricity of the age. He published numerous articles in “The Electrician”, a technical publication of the age. Heaviside wasn’t very good at explaining himself in his articles and many of the readers of his articles considered him to be a “mathematical monster”. The author of this book has also laced the biography with mathematics, much to my discomfort.

All good heroes must have a nemesis and that was William Henry Preece for Oliver Heaviside. There were two distinct schools of thought on electricity. Preece was of the “practical” philosophy and the author is not sure he was even aware of Ohm’s law as he avoided mathematics like a plague (Hmmm...I feel a natural kinship with this dude). Heaviside, on the other hand was skilled with heavy duty math and theory. Preece had the power and prestigious position but demonstrably weak on the theory. Heaviside was something of a hermit living his life deep in mathematical ponderings. Theirs would be a decades long feud in the technical publications of the age.

If you are not a lover of mathematical details you might want to skip this biography. However, from my point of view, this was a gem of a book as it linked these great thinkers of the Victorian age together through one man, Oliver Heaviside, the ionosphere guy.

Thanks for “listening”, and 73!! Pat KD5TXD

TEX Net Topics

We still have open RN5 liaison slots. Please consider filling one or more of the open slots as a regular or even backup station. We still have **12** open NCS/liaison slots, with 6 open *primary* RN5 slots (all shown in **red**)! Thanks again to Sam, W5CU, Scott, W5ESE, and Rodney, W5DY, who have been filling the majority of the openings.

TEX CW Net Weekly Schedule

Local	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
NCS #1	W5GKH	AA5J	KD5TXD	AC5Z	K6JT	AC5Z	W5GKH
Backup	Open	Open	W5DY	W5DY	KD5TXD	W5DY	W5CU
NCS #2	W5GKH	AA5J	KD5TXD	K6JT	N5PWG	W5DY	W5GKH
Backup	K6JT	Open	K6JT	Open	K6JT	Open	K6JT
RN5 #1	W5GKH	W5CU	Open	AA5J	Open	Open	W5CU
Backup	W5DY	AA5J	W5DY	Open	W5ESE	W5ESE	W5GKH
RN5 #2	W5GKH	W5CU	Open	AA5J	Open	Open	W5CU
Backup	W5DY	K6JT	W5DY	K6JT	K6JT	W5DY	W5GKH

TEX/1: 3552 at 19:00 local; TEX/2 3552 at 22:00 local

RN5/1: 3567/7045 at 19:30; RN5/2: 3567 at 21:30 local

TSN: 3552 - 19:45 local; CAN: 3552/7052 - 20:30 local; PAN: 3552/3557/7052 - 22:30 local

RN5 Backup: W5CU, W5DY, W5ESE, W5GKH, K5GM, AA5J, K6JT, K5RG
 NCS Backup: W5DY, N5EL, AA5J, K6JT, KD5TXD, AC5Z

Statistics:

Traffic count improved again this past month, but QNI was a little off. Rodney, W5DY, with 34 (61%) again took top QNI for the month, followed by Pat, KD5TXD, with 29 (52%). Chuck, AA5J, barely edged out Bert, AC5Z, with 26 (46%), versus 24 (43%). Nice going, Bert, in spite of your broken keyboard and only checking into early TEX. Thanks also to Ken, K5RG, who had 22 QNI. Thank all of you who checked in for your support.

Had a few visitors this month including: Rusty, WB9FIU, from Indiana, a regular on CAN and also a cohort of Newt, KJ9J; Kent, K9ZMU from WI; and Kevin, K4PG, from FL. It was also good to see checkins from some TEX old-timers including Dennis, KD5JSS (while visiting Floyd, N5EL), Marty, WA5MS, Bill, WA5MUF, Mike, KA5NNG, Tom, W5TV, Lee, K5UN, and Ken W5UFG, as well as Skip, KA8IXC. Come back and join us more often!

The complete list of stations and traffic / liaison totals are shown in the following table. Traffic averaged 2.2 per net session (up from 1.9 last month). Net time averaged 14.1 minutes per session (compared to 13.5 last month). Check-ins averaged 5.5 per session (down from 5.7 last month).

TEX Net Statistics (February 2009)

Call		QNI	Total	NCS	RN5	TTN	DFW	CTTN	TSN
W5CDX	Wads	0	9						
*		9			1				
W5CU	Sam	9	14		5				
*		5			5				
W5DY	Rodney	17	34	1	6	1	3		
		17		3	6				
N5EL	Floyd	19	19						
*		0							
W5ESE	Scott	2	2		6			18	12
*		0							
WB9FIU	Rusty	1	1						
*	Indiana	0							
W5GKH	Charlie	8	16	8	6				
*		8		8	6				
K5GM	Pete	3	3						
*		0							
W9GVW	Eric	2	4						
*		2							
KA8IXC	Skip	0	1						
	Victoria TX	1							
AA5J	Chuck	16	26	3	4				11
*		10		3	3				5
KJ9J	Newt	12	12						
*		0							
KD5JSS	Dennis	1	1						

Call		QNI	Total	NCS	RN5	TTN	DFW	CTTN	TSN
		0							
K6JT	Steve	12	40	5			12		
*		28		6	6		28		
W6LFB	Jim	2	2						
*		0							
WA5MS	Marty	1	1						
*		0							
WA5MUF	Bill	1	1						
*		0							
KA5NNG	Mike	1	1						
		0							
N5NVP	Jim	2	12						
		10							
K4PG	Kevin	2	2						
	FL	0							
N5PWG	Jay	4	14						
*		10		4					
K5RG	Ken	6	22						
*		16							
W5TV	Tom	1	1						
		0							
KD5TXD	Pat	15	29	3		15			
*		14		4		5			1
K5UN	Lee	1	1						
*		0							
W5UFK	Ken	1	1						
*		0							
AC5Z	Bert	24	24	8					
*		0							
K9ZMU	Kent	1	1						
*	WI	0							
Totals		308		56	54	21	43	18	29
				100%	96%	38%	77%	32%	52%
QTC 1		45	121						
QTC 2		76		Sessions:		56			
Time 1		406	792						
Time 2		386							

The roster, which follows on the next page, has not been updated since last month. Note the names and QTH's for the visitors are shown in the statistics table.

TEX Roster

Call	Name	Location / Notes	Call	Name	Location / Notes
N5AF	Sam	Cleveland	WA5MUF	Bill	Watauga
N5BA	Brian	Houston	# N7NET	Scott	Allen
W5CDX	Wads	Crowley LA	KB5NJD	John	Duncanville
W5CU	Sam	Edmond OK	WB5NKC	Arley	Oklahoma City OK
NV5D	Martin	Allen	# N5NVP	Jim	Scott LA
* W5DY	Rodney	Goliad	* N5PWG	Jay	Pasadena
N5EL	Floyd	Temple	K5RDW	RD	Vilonia AR
* W5ESE	Scott	Dripping Springs	K5RG	Ken	Houston
W5GKH	Charlie	West Columbia	W5ROK	Steve	Richardson (K6JT)
K5GM	Pete	Austin	W5SBE	Larry	Austin
W9GVW	Eric	San Antonio	KC5T	Bob	Houston
KA9IKK	Bill	Houston	W5TFB	Jack	College Station
KA8IXC	Skip	Victoria	W5TV	Tom	Nacogdoches
AA5J	Chuck	Plano	* KD5TXD	Pat	Kingsville
KJ9J	Newt	Pharr TX (winter)	AI6U	Chris	Sacramento (CA)
K5JRN	Si	Denton	# W5UFK	Ken	College Station
K6JT	Steve	Plano	* K5UN	Lee	Leonard
KA5KLU	Doug	San Antonio	K5WQG	Eddy	Tomball
W5KNN	Ed	Bulverde (was KS5V)	# KM5YQ	David	Irving
K5KV	Benny	Star	* AC5Z	Bert	Nacogdoches (Lufkin)
W6LFB	Jim	Denton	W5ZD	Pat	Kingsville (KD5TXD)
WA5MS	Marty	Highland Village			

Not Capable of operating in 3600-3700 band; * Capable of 160 meter operation

Operating:

Be sure to tune up and down from net frequency 2 or 3 KHz to look for the NCS should there be QRM on 3552 at startup time. I normally move up a half KHz, and others seem to prefer moving down a half or so. For contest weekends, also check 3643.

Note that in the U.S. (thanks to a misguided congressional act), we start daylight time on March 15 this year instead of the former April timeframe. Note also that the European Union does not start until the last Sunday in March (in case you have DX schedules). Although we are nearing springtime, TEX will continue on 80 meters for at least the next 3 months (or until conditions radically change). Also remember that TEX will meet at the same Local Time (7 and 10 PM), even after daylight time starts. That will be 0000Z and 0300Z, respectively.

Until next month, join me in wishing for *more sunspots* !

73, Steve

(TSN Corner starts on the next page)



TSN Corner

Texas Slow Net (Daily) 1945 CT 3552.0 KHz
http://mysite.verizon.net/ressvuir/Texas_Slow_Net.htm
 Chuck Mayfield AA5J (AA5J@Verizon.net)
 TSN Net Manager

Net QNI was up slightly in February; 149 check-ins. Here is a roster of stations that have participated in the Slow Net in recent months.

Net Stations (QNS)

Call	Name	City	State	Call	Name	City	State
N5AF	Sam	Cleveland	TX	WA5MS	Marty	Highland Village	TX
W5AG	Arch	Lafayette	LA	KA9MZJ	Roy		IL
K8BBM	Dave	Selby	SD	N7NET	Scott	Allen	TX
AC0BU	Carson	Corydon	IA	AA0NI	Dan	Oklahoma City	OK
K0CMH	Craig		MO	WB5NKC	Arley	Oklahoma City	OK
WX5CW	Chris		LA	WB5NKD	Pat	Oklahoma City	OK
W5DY	Rodney	Goliad	TX	N5NVP	Jim	Scott	LA
N5EL	Floyd	Temple	TX	W8OLO	Bob		OH
W6EOD	Steve	Baker	FL	K4OSO	Milt	Rockville	VA
W5ESE	Scott	Dripping Springs	TX	K9PUI	Rich		IN
WD0ESF	Mike	Medicine Lodge	KS	N5PWG	Jay	Pasadena	TX
W3FAF	John		MN	K5RDW	RD	Vilonia	AR
WB9FLU	Bill	Columbus	IN	K5RST	Ross	Zapata	TX
AG9G	Dwight		WI	N0SSS	Adam	Oklunion	TX
AE5GT	Clint	Wimberley	TX	KI5T	Wade		LA
WU3H	John		CO	KB5TCH	Carroll	Douglassville	TX
KA8IXC	Dan	Victoria	TX	KD5TXD	Pat	Kingsville	TX
AA5J	Chuck	Plano	TX	K8UV	Rich		MI
W5JBV	Mike	Panama City	FL	K1TXU	Ernest		CO
AA5JW	Carl	Stafford	TX	AD5VC	Dana		LA
K6JT	Steve	Plano	TX	NH7WB/5	Joe		
W5KCM	Randy	Watauga	TX	KJ5XF	Tony	Austin	TX
N1KSN	Andy		WI	N5XGG	Joe	Colmesneil	TX
K5KV	Benny	Star	TX	KM5YQ	David	Irving	TX
WA5LOU	Lou	Kennard	TX	AC5Z	Bert	Nacogdoches	TX
KD5MMM	Phil	Fentress	TX				

Thank You

Thanks to all of you for participating in the Texas Slow Net. A new TSN site is available now at http://mysite.verizon.net/ressvuir/Texas_Slow_Net.htm. I look forward to your continued participation in our Texas CW nets. Bring your friends who want to learn CW traffic handling. Net Control Stations will slow down to your speed.

February Activity Report

TOTAL SESSIONS 28, TOTAL CHECKINS 149,
 TOTAL TRAFFIC 34, BY 19 DIFFERENT STATIONS

The following stations participated in February:

28	WB5NKD	Pat	OK, Oklahoma City
28	WB5NKC	Arley	OK, Oklahoma City
18	W5ESE	Scott	TX, Dripping Springs
17	AA5JW	Carl	TX, Stafford
16	AA5J	Chuck	TX, Plano
7	KD5MMM	Phil	TX, Fentress
6	AE5GT	Clint	TX, Wimberley
6	W5AG	Arch	LA, Lafayette
6	KB5TCH	Carroll	TX, Douglassville
4	W5DY	Rodney	TX, Goliad
4	KD5TXD (W5ZD)	Pat	TX, Kingsville
2	N5NVP	Jim	LA, Scott
1	KA8IXC	Dan	TX, Victoria
1	AC5Z	Bert	TX, Nacogdoches
1	K9PUI	Rich	IN
1	N7NET	Scott	TX, Allen
1	N5AF	Sam	TX, Cleveland
1	WB9FLU	Bill	IN, Columbus
1	W5JBV	Mike	FL, Panama City

73,
Chuck, AA5J

The telegraph key image is courtesy of FCIT