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THE BULLSHEET



Official News Bulletin of the
Texas DX Society
An ARRL Affiliated Club

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Officers and Contributors

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Treasurer:	NR5M	G. DeMontrond	Field Day Chairman:	W5SJS	Bob Burns
Contest Chairman:	KN5H	Steve Nace	Outgoing QSL's:	N5AF	Sam Neal
DX Chairman:	WA9VLI	Steve Smothers	Bullsheat Publisher:	NR5M	G. DeMontrond

Columns by: KE5FI, W5ASP, K2NTO, KN5H, WA9VLI, K5TU.

ANNOUNCEMENTS

MEETING NOTICE- The Texas DX Society meets the second Friday of each month except when changed by the Board of Directors. The next regular meeting will be on Friday, October 10. THIS IS A SPECIAL "FIELD TRIP" MEETING AT THE KODA TOWER TRANSMITTER SITE ON SENIOR ROAD. TRY TO BE THERE BY 6:00 P.M. FOR THE TOUR BY WES, N5WW. We'll try to convene a "meeting" over food-and-suds at some suitable water spot, to be selected at the tower. If you miss the tower tour, listen on 2M for the chosen QTH. Be there or be square!

ATTENTION FULL MEMBERS

The floor is open for nominations for club officers. Do your part and try to stick somebody with a job. Nomination details in the September 'Sheet.

BULLSHEET MAILING LIST- It is the club's desire to provide the Bullsheat free to all amateurs in the area with an interest in DXing and/or contesting. If you would like to receive our newsletter, simply send your name, call, and mailing address to the Texas DX Society, P.O. Box 540291, Houston, Texas 77254-0291. Visitors at the regular club meeting can request the monthly newsletter by providing their mailing address on the sign-in sheet. Articles or other newsworthy items from club members and other interested amateurs are hereby solicited by your editor.

WEEKLY DX & CONTEST NET- Just a reminder that each Tuesday night at 9:00 p.m. the Club sponsors a net on 147.96/.36. Participation by non-members as well as members is welcomed. The purpose of the net is to facilitate the exchange of DX, contest, and Club information within the amateur community. Your active support of this activity is encouraged.

THE PRESIDENT'S CORNER
(de Joe, W5ASP)

If all goes as planned, the TDXS will converge on the Astro Village Hotel during the next few days to help host the 9th Annual Houston Com-Vention. One of the big activities on our list will be the famous TDXS Raffle with a TS-440S as the year's super prize. As always, the membership has already gotten an early start on ticket sales. WHAT IS REALLY NEEDED NOW IS STRONG PARTICIPATION FOR THE MANY FRIENDS OF TDXS AND OUR GUESTS DURING THE CONVENTION. This is the time of the year when all who frequent the TDXS repeater can make their contribution to its operation by their generous purchase of these raffle tickets. If any of you reading this have not already picked up a couple of books of tickets, please do so either from the guys working in the registration area or when you make your first visit to the TDXS Hospitality Suite.

The DX & Contest Forum will feature a wide variety of subjects again this year. Rusty, W6OAT, will present the 1986 Clipperton DXpedition, and Dennis and Holly, KC6DM/KC6HM, will share their experiences in the Eastern and Western Carolines. Tom, K5RC, will give his Great Armadillo Run of 1986 show. Dave, K5GN, will take a revealing look at the question of "where does the time go?" for the benefit of the contesters, and Dr. Bill, K2TNO, will dazzle the multitudes with particulars on judging the merits of contest/dx receivers. All this for your edification and amusement. Don't miss it!

The TDXS Hospitality Suite will once again welcome all comers with the usual libations and ratchet jawing. And we'll be featuring the best in rare and exotic gear at the Flea Market table. There's lots of fun for everyone.

Don't forget the nominations are now open for officers for 1987. If you have a candidate (who had agreed to run) be sure to get his name to the Board...The current nominees are President K5TU, Veep K5GN, Secretary KE5IV, and Treasurer KG5U. These guys need some competition...let's get some more names on the ballot!

Finally, we'll be gathering at the KODA transmitter site on Firday, October 10th. Wes, N5WW, will host what promises to be a great visit to the land of the "BIG" watts...(George may never recover from the trauma!) We'll pass any last minute details via repeater...keep tuned.

Have a great time this weekend and...BUY TICKETS!!!!!!!!

CONTEST REPORT
(de KN5H)

The Fall 1986 Sprint Contests are history. From early figuring the club literally kicked butt. The CW team averaged 9000 pts. apiece for a score at 90K. The SSB

team did an equally outstanding job. The two contests are detailed later on.

The CQ WW DX CW Contest results appeared this month. Dave, K5GN did an outstanding job at YV5TK with a No. 6 Worldwide finish. The group that ventured to XE2 land had only one noteworthy item. KZ5M operated single band 40 for a No. 2 worldwide finish. KN5H, KG5U, N5AF and KB5FU were also heard on the bands but finished down in the scores. At the homefront, K5LZO finished No. 1 in the fifth district in the multi-multi category. W5ASP (multi-single) and crew were second in W5.

In the ARRL DX contests the club got hosed in Aggregate Score. We finished #10, with only 11 entries and 3.7 Meg. PVRC was #1, at 18.2 Meg. Those TDXS stations active did pretty well, such as:

	<u>CW</u>		<u>SSB</u>
S/O AB	K5NA #10 W/VE	S/O AB	NR5M #1 West Gulf
"	KN5H # 1 STX	"	KC5CP #3 STX
"	N5JJ # 3 STX	"	N5JJ #5 STX
M/1	W5ASP #1 STX	S/O 40	NZ5I #1 W/VE
M/2	K5LZO #3 W/VE	S/O 20	NT5D #1 STX
		S/O 15	K5LZO #3 W/VE
		M/1	K5RVK #1 STX

The recent NCJ offered some interesting reading about previous Sprint Team scores. The author continuously praised the "Independent Contesters" (IC) and the "Winning Alliance of Sprint People" (WASP) for their ability to win the club competitions. It was interesting to note just how many different operators have been associated with those two "teams". IC has listed 34 different ops and WASP shows 26. Their roster changes with every contest!

Any group of operators can put names on a list and submit it as a team. Not so with TDXS. Our club has always recruited from within. One day the TDXS will finish Number 1 in the club competition and we will be able to say we did it with a true CW sprint team.

SOME RUMORS: 1986 September Sprints

	<u>CW</u>		<u>SSB</u>
K5GN	304/38	11552	K5LZO 320/
K5LZO	270/38	10260	NR5M 262/39 10218
NR5M (NM5M)	287/35	10045	KN5H 232/35 8120
N5DU	283/35	9905	NT5D 250/31 7750
KN5H	281/35	9835	N5IVF 232/33 7656
K2TNO	267/36	9612	NZ5I 237/38
K5TU	253/34	8602	KE5IV 225/
KG5U	233/31	7223	K5GN 215/
K5WA	218/32	6976	KD5SP 212/
K5MA	200/30	6000	K5RVK 212/
TOTAL		90010	

NZ5I	179/	K5WA	227/36	8172
NT5D	172/	W9AGH	202/34	6868
N5IVF	111/	WA9VLI	202/	
		K2TNO	191/	
		K5DX		

COMING ATTRACTIONS . . .

October 4-5	IRSA World Championship
October 4-5	VK/ZL/Oceania Contest ssb
October 11-12	VK/ZL/Oceania Contest cw
October 11-12	PENN. QSO Party
October 11-12	ILL. QSO Party
October 11-12	RSGB 21/28 MHZ SSB
October 18-19	JOTA
October 18-19	R.I. QSO Party
October 25-26	CQ WW SSB DX Contest
November 1-2	CW SS
November 15-16	SSB SS
November 29-30	CQ WW DX CW Contest
December 6-7	ARRL 160M Contest
December 14-15	ARRL 10M Contest

FINALLY . . .

All your poor contest chairman is asking is that you Sprinters PLEASE PLEASE send in your logs. If you don't, be prepared for severe pain to be inflicted upon you and yours.

THE SEPTEMBER 1986 CW SPRINT
(or how I spent a relaxing evening in front of the radio)
(de KN5H)

The CW Sprint has to be one of the highlights of radio contesting. No other event gets my adrenaline flowing like this contest. Unlike some other domestic contests, I honestly look forward to the Sprint.

Being a guest op has definite advantages and disadvantages. Its great to be able to sit right down and contest without the extensive preparations. The disadvantage lies in the unfamiliarity which one experiences with a new environment. Knowing the layout, strengths and potential of the station comes easy when its yours.

When Tom, N5EA extended the invite to come over for Sprint it took only milliseconds to reply. The idea of using an above average QTH was very appealing.

Upon my arrival I was greeted by a TH7DXX at 80 ft., a 2 ele. Cushcraft 40 mtr beam at 70 ft. and assorted slopers for 80. The shack showed off a TS 930 and Alpha 76, all primed and ready. After finding the head and the headphones, I was set. Tom informed me he would be going out for dinner and the place would be mine for a while. That was OK beacuse it would give me lots of time to get warmed up without embarrassing myself in front of him. I soon found out what 2 months of radio silence did to my fist.

After a short QSO with W1WEEF/M at 2345Z, my fingers were set. Wait a minute... That's the phone ringing. "Hello?? No, Tom's not here." The dreaded TVI complaint was hovering over me. Good, no message from the upset sounding caller.

More short QSO's with NE6I and KM9P. All Right! 20 is great! It's 2358Z and both coasts are there. The clock rolls over and the band is alive. KE3Q is number 1 and we are off. 11 Q's after 5 minutes, my best start ever. I work N6TR and I'm one up on him. This won't last long. K1ZX calls in. Now that's Jim, or Rambo or ... Spock! That helps to relieve some of the nervous tension. At 0028Z, QSO #40 goes out to VE2ZP, good mult. Now I'm getting into the swing of things. Uh Oh ... That's the phone again. No way I'm going to answer it. At 0039Z I find K5ZD. We are tied at 54 each. This is really great, holding my own with the big guys. More Q's with W6SZN, W6MKB, KG5U, W9RE, and VE7AHA. At 0050Z I have 70.

The rate starts to drop to one a minute and at 0105Z, Dave, K5GN sends me a sobering #96 compared to by #88. The phone rings again. Time to go to 40. No problems with the band change, less than 20 seconds. KOVBU goes in the log and we are off to the races again. NA4K goes in the log from Tenn., always a good one. At 0120Z there's K5LZO. I'm three ahead. Is there still a chance for the Top Ten? More Q's with K8MR, W8FN, AD8P, K8NZ, KW8N and N8ET. A big run of Ohio stations, all 40dB over! By 0200Z I have 152, still my best ever. The phone continues to ring and Tom finally comes home. There's Don, K0FX/7, Utah, thanks OM.

Things start to slow again and the dreaded 80 meter band change comes at 0237Z. Almost 1 1/2 hours to make a hundred Q's. Can I really do it? Conditions sound strange. A lot of watery signals from the East Coast but surprisingly not much QRN. Sure did expect that noise with all the bad WX around. KD8NS goes in the log as the first 80 meter Q. 17 Q's in 10 minutes on 80, could be a good sign.

The rate holds and 0300Z I give #228 to Tom, N4KG. Glad to see him again. More Q's with AI7B, K3LR, N5RZ, K1DG and W8LNO.

It's 0325Z, time for the sked. I know the way to win is to make a couple of skeds with the hard to get mults, right??? KB5FU/M should be down here at 3520 khz from that roadside park on the Miss/Ala State line. Nice, clear freq. but no mult. Maybe in a few. The west coast finally starts to come in but I can see the rate is going downhill fast. Can't ever get an answer to a CQ on this band. KBOQA from Iowa goes in the log with K6LL, N8ET, NR5M and N8EA right after him. Back down to 3520. Nothing. I've spent at least 10 minutes looking for Miss. At 0355Z I find KBOG, or is that KJOG or KEOG??? I can't remember which is which anymore. I have 2 minutes and it will be over. Another trip to 3520 and still no Miss. Can't find a new station so one more CQ with 40 seconds to go. Wait!! There's a weak one...WBOGOB. ALL RIGHT! Rodger came through. I have him #285 and in return, a great last minute mult. Thanks friend.

A check of the last 40 minutes reveals only 35 Q's. That's where I lost it, in the home stretch. Lots of chatter on the local 2 meter repeater. It looks like the club has a shot at the Number 1 spot. May 300 or the Top Ten next time, only time will tell.

CHRISTMAS ISLAND-----VK9XI is now active. This is an operation by ZL1AMO. Ron should be there through end-October. Try 7005-7005 KHZ from 1030-1230 UTC.

YEMEN-----Chances appear good for activity from 4W-land very soon. Two Americans working in Yemen are rumored to have equipment in route, with one possibly licensed already sources indicate that this will be a SSB operation only.

BOUVET ISLAND-----SP5EXA claims he has a good chance of going to 3Y this fall with operating permits. More details, soon.

MOUNT ATHOS-----More information circulating about the possibility of two monks obtaining their tickets for a permanent station on the Holy Rock. SVODK reports that the station could be used by visiting Greek hams. Seems the Greeks are tired of all the recent clandestine attempts and might help establish a legit op. No official word yet from ARRL on approving DL7FT/SV/A cards.

RODRIGUEZ ISLAND (3B9-)-----Plans are being finalized for a late October operation by 3B8DB. He is still waiting for the prime minister's blessing.

SINT MAARTEN (PJ7)-----K8UNP/PJ7 will be QRV September 27 thru October 4, CW and SSB, 160-10 meters. QSL to the home call.

JAN MAYEN ISLAND-----JX5AG was reported on 14021 at 1200 UTC. Also JX8KY working Europeans on 14169 at 1730 UTC.

FAEROE ISLANDS-----OY9JD was worked locally with good sigs on 14187 about 0000 UTC.

ALBANIA-----All the excitement over the Chzech operation this month is dead. Apparently VISAS were denied.

CHINA-----BY4RB, "HUA" was spotted on 14226 at 2340 UTC.

IRAQ-----YI1BGD is said to still be active Fridays on 14226 at 2100Z.

GALAPAGOS ISLANDS-----ED8G should be active from October 4-11. There may be some 30 meter operations. SSB FREQ'S: 1843, 3790, 7088, 14195, 21275, and 28500.

REUNION ISLAND-----FR42D, 40 meter CW starting 0230-0330Z. Check 7003-7005 KHZ.

SAUDI ARABIA-----HZ1HZ, reported on 14016 at 1800 UTC.

MONGOLIA-----JTODJT was worked on 14023 at 2300 UTC.

SRI LANKA-----4S7NMR, try 14215 around 1510 UTC.

MINAMI TORISHIMA-----Rick seems to be everywhere lately. On 160 meters,
listening 1830-1835, and transmitting 1911 KHZ. Best
times are 1230 UTC and 0730 UTC, Sunrise/Sunset.
Also: 3505 KHZ at 1300 UTC
7005 KHZ at 1200-1350 UTC.
14227 KHZ at 1500-1600 UTC.

THE OTHER FELLOW'S SHACK
(de Bill, K2TNO)

New York Times, September 24, 1986 p. 12:

"GLAD YOU LIKE THE YACHT. NOW CAN WE TALK ABOUT MY SPECIAL CALLSIGN?"

An article in the Times entitled "Turning off the juice for power lunches" shows how we hams have inadvertently missed the boat. It seems that "For years some top officials and staff members at the FCC were wined and dined by representatives of the entertainment and communications industries they regulated. No more. The agency has imposed a tough new policy: No free lunch! Or supper. Or breakfast. And no free tickets!!" The article goes on to describe some of the freebies commission members enjoyed over the years.

"Impractical and king of petty," said James H. Quello, a senior FCC member. "I've always had the attitude that if you can't eat their food, drink their booze and still vote against them, then you don't belong in this job.

The whistle was blown when the newest FCC commissioner asked for a clarification of the rules on entertainment. She pointed out that in her former post at the National Labor Relations Board "such freebies would never have been allowed."

(I bet she's the commissioner sent down to run the new FCC monitoring station in Tierra del Fuego - ed.)

NORTHERN ARIZONA DX ASSN. "DX-TRA"
(September 1986)

"...we attended (at ARRL National Convention) the Texas DX Society's presentation of the famous Armadillo Run. What a group of zanies! They had a wonderful slide show...Lots of power around...like kilowatt mobiles! A very enthusiastic group...It really was great meeting some of the contestants face-to-face.

New officers of the YASME Foundation are: W6KG, President, Danny Weil, V.P.: W6RGL, Secretary; W6BSY, Treasurer. Directors are: K3ZO, K5RC, W6OAK, W6QL, W7NG, JA7KSO, OH2BH and VK2HD.

SAN ANTONIO RC "Bulletin": September 1986

Ray Wangler, W5EDZ, told the club some recent ARRL/FCC doings - The League has "offered to assist FCC in issuing call signs (Yeah, but see Times article above-ed.)

Ray Wangler, W5EDZ, is West Gulf Division Director and is up for re-election this October.

KANSAS CITY DX CLUB NEWSLETTER: August 1986

A tongue-in-Bencher article by ABOX propooses a use for all the offshore oil platforms: qualify 'em for DXCC status! He figures it would only take 2307 to make the Honor Roll. (Just our luck if they did it this way - we'd have no skip to the Gulf platforms on 20! - ed.)

AMATEUR RADIO NEWS (ARRL; 1986):

ARRL is sponsoring a "Youth in Amateur Radio" National Art Contest for students ages Group 1 (8-12), Group 2 (13-15) and Group 3 (16-18). Details from ARRL, deadline is February 1, 1987.

PROPAGATION FORECAST
(de Chuck, KE5FI)

As I predicted last month, I belive June 1986 will prove to be the lowest month of solar activity marking the end of cycle 21 and the beginning of cycle 22. Last month I reviewed the sun spot numbers indicating this; this month I have studied the Flux values.

The average solar flux for June was 67.6. The lowest month at the end of cycle 20 was July, 1976 with 67.5 and cycle 19 ended with 67.0 in July 1964. Cycle 18 ended with two consecutive months below 68, June 1954 with 67.3 and July with 67.7. These listed months were the only ones below 68 from the beginning of recorded flux measurements in 1947 until today.

These low years compair as follows:

	<u>1986</u>	<u>1976</u>	<u>1964</u>	<u>1954</u>		<u>1986</u>	<u>1976</u>	<u>1964</u>	<u>1954</u>
Jan	73.2	74.7	75.4	68.7	July	70.2	67.5	67.0	67.7
Feb	83.6	70.5	76.8	69.2	Aug	(68.5)	74.8	69.3	69.9
Mar	77.0	76.7	75.9	71.9	Sept	(68.7)	73.1	70.2	70.1
Apr	75.1	76.3	72.6	68.7	Oct	?	75.9	73.4	73.2
May	72.6	70.6	69.5	68.0	Nov	?	72.9	73.7	72.6
June	67.6	70.6	69.0	67.3	Dec	?	76.7	78.8	75.5
					Ann.		73.4	72.6	70.2

The annual mean for this year stands at about 72.9 at this point and may end the year lower.

September was an awful month for DX on the HF bands. There were several magnetic storms which effectively wiped out propagation paths anywhere close to the poles. The first storm occurred for about nine hours on September 2. Then there was a sudden storm commencement at 1837 UT on September 11 which pulsed between 2100 UT on the 11th and 1200 UT on the 12th. The K index reached 8 in Anchorage, Alaska and the Aurora could be seen as far south as Albuquerque, New Mexico, a VHFer's dream! That storm was finally over at 0600 UT on 14 September. Minor storms began again on 17th lasting until the 21st and on the 25th probably lasting until the 28th.

There are no spots visible on the Sun so some new activity will have to occur if the flux is to rise above 70 in October.

The magnetic field will probably be storming again on October 7-8 and 13-26. These are forecast to be bad periods. CQWW phone on October 25-26 will catch the end of these storms, but they should have subsided from the peaks earlier in the week. Low latitude and transequatorial paths should be the best for the contest and, of course, 20 meters and below. 15 and 10 should be open to the south during daylight hours.

SPRINT CW NUMBERS (de KSTU) The North American Sprint is the contesteer's contest, especially for dyed-in-the-wool CW ops like me. The QSY rule that requires you to keep moving the dial helps to equalize the big guns (we're talking BIG GUNS) and the modest home stations. The object of the contest is to make QSOs...as fast as you can...for four hours. Though multipliers are important, you will often get the mults if you make the Qs.

I though it would be interesting to look at the TDXS Team #1 CW scores for clues on how to improve. K5GN, KSLZD, NM5M and KN5H turn in consistently high scores from stations with a wide variety of antennas and equipment. Therefore, we can eliminate station equipment as a contributing factor. It must be technique.

Each team member provided me with a QSO breakdown by band for every 15 minute period of the contest (thanks, guys...). These results are shown in tabular format. From these tables you can see the number of QSOs by band, total QSOs at any point in the contest (TOTAL), NET number of QSOs for any 15 minute period, and the effective RATE of QSOs per hour for any given 15 minute period.

There are also two graphs. The first graphically combines the top 3 scores (based only on QSO total), while the second takes a look at the highest score, a middle score and the lowest score together.

As you would expect, the three highest scores track somewhat together save one 15 minute period where K5GN went multiplier hunting on 40M. All three stations had tremendous QSO rates in the first 30 minutes of the contest, and sustained high rates through the stretch on 40M.

The second graph reveals some key points. Note the slow start by Rich and me. Our rates were increasing during the first 45 minutes while Dave started high and decreased slightly. By the end of the first hour, I was 16 QSO's behind K5GN (87 vs. 71). Note also that both Rich and I failed to hold up our rates during the stretch on 40M and the beginning of the 80M run (0200Z-0330Z). Note that K5GN and NM5M actually increased their rates slightly during the same period, indicating that a strong finish seems to be important.

But let's sit back and look at the whole picture for a minute. Team #1 produced a first class score; perhaps a winning team score. The team competition is keen. Any modest improvement in score could give the TDXS the unequalled distinction of being the first true club team to win the North American CW Sprint.

I hope the numbers give you some insight into a way to improve your score. If you haven't tried it before, it is both the most challenging and rewarding contest I've operated. And remember, anyone on Team #2 who outscores a Team #1 member plays for the first team next Sprint. So sign up and give it a try in the Spring.

Dave, Hose, Eric, Chuck, Bob...better watch over your shoulder.
... THE HEAT IS ON ! ...

NM5M	80	40	20	TOTAL	NET	RATE
====	====	====	====	=====	=====	=====
0015	0	0	23	23	23	92
0030	0	0	21	44	21	84
0045	0	0	23	67	23	92
0100	0	0	18	85	18	72
0115	0	12	5	102	17	68
0130	0	18	0	120	18	72
0145	0	17	0	137	17	68
0200	0	20	0	157	20	80
0215	0	17	0	174	17	68
0230	0	17	0	191	17	68
0245	0	15	0	206	15	60
0300	0	11	0	217	11	44
0315	20	0	0	237	20	80
0330	22	0	0	259	22	88
0345	17	0	0	276	17	68
0400	11	0	0	287	11	44
====	====	====	====	=====	=====	=====
TOTAL	70	127	90	287		

K5MA	80	40	20	TOTAL	NET	RATE
====	====	====	====	=====	=====	=====
0015	0	0	17	17	17	68
0030	0	0	13	30	13	52
0045	0	0	14	44	14	56
0100	0	3	10	57	13	52
0115	0	16	0	73	16	64
0130	0	16	0	89	16	64
0145	0	13	0	102	13	52
0200	0	13	0	115	13	52
0215	0	8	0	123	8	32
0230	0	11	0	134	11	44
0245	0	10	0	144	10	40
0300	15	0	0	159	15	60
0315	13	0	0	172	13	52
0330	14	0	0	186	14	56
0345	8	0	0	194	8	32
0400	6	0	0	200	6	24
====	====	====	====	=====	=====	=====
TOTAL	56	90	54	200		

KN5H	80	40	20	TOTAL	NET	RATE
====	====	====	====	=====	=====	=====
0015	0	0	26	26	26	104
0030	0	0	16	42	16	64
0045	0	0	21	63	21	84
0100	0	0	18	81	18	72
0115	0	11	8	100	19	76
0130	0	19	0	119	19	76
0145	0	17	0	136	17	68
0200	0	15	0	151	15	60
0215	0	23	0	174	23	92
0230	0	16	0	190	16	64
0245	14	5	0	209	19	76
0300	19	0	0	228	19	76
0315	19	0	0	247	19	76
0330	13	0	0	260	13	52
0345	13	0	0	273	13	52
0400	12	0	0	285	12	48
====	====	====	====	=====	=====	=====
TOTAL	90	106	89	285		

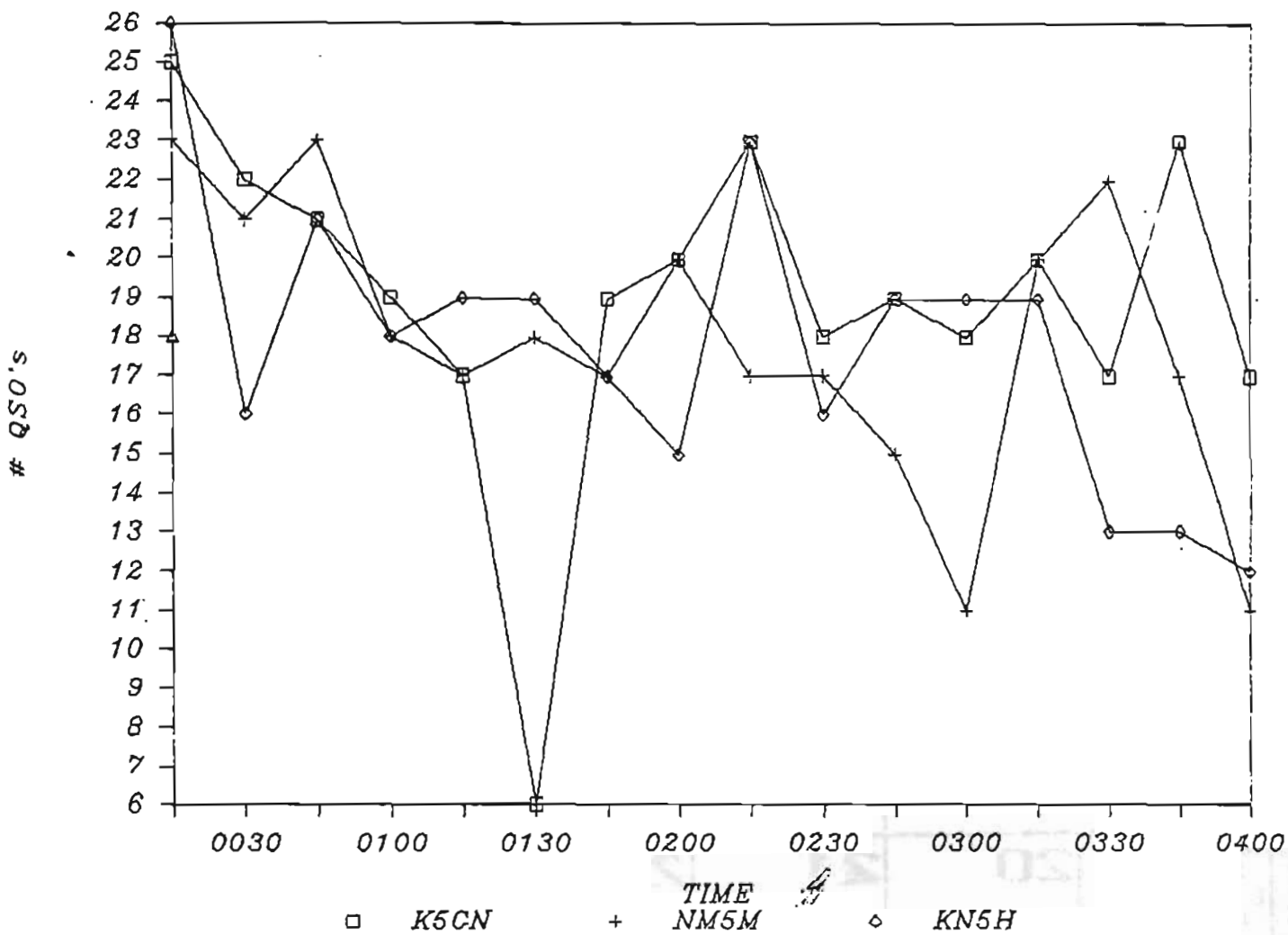
KG5U	80	40	20	TOTAL	NET	RATE
====	====	====	====	=====	=====	=====
0015	0	0	23	23	23	92
0030	0	0	18	41	18	72
0045	0	0	17	58	17	68
0100	0	0	12	70	12	48
0115	0	12	3	85	15	60
0130	0	20	0	105	20	80
0145	0	12	0	117	12	48
0200	0	15	0	132	15	60
0215	0	15	0	147	15	60
0230	9	1	0	157	10	40
0245	11	0	0	168	11	44
0300	16	0	0	184	16	64
0315	15	0	0	199	15	60
0330	5	6	0	210	11	44
0345	1	10	0	221	11	44
0400	12	0	0	233	12	48
====	====	====	====	=====	=====	=====
TOTAL	69	91	73	233		

K2TNO	80	40	20	TOTAL	NET	RATE	K5GN	80	40	20	TOTAL	NET	RATE
===	===	===	===	===	===	===	===	===	===	===	===	===	===
0015	0	0	18	18	18	72	0015	0	0	25	25	25	100
0030	0	0	19	37	19	76	0030	0	0	22	47	22	88
0045	0	0	17	54	17	68	0045	0	0	21	68	21	84
0100	0	0	18	72	18	72	0100	0	0	19	87	19	76
0115	0	20	3	95	23	92	0115	0	0	17	104	17	68
0130	0	26	0	121	26	104	0130	0	6	0	110	6	24
0145	0	17	0	138	17	68	0145	0	19	0	129	19	76
0200	0	15	0	153	15	60	0200	0	20	0	149	20	80
0215	0	11	0	164	11	44	0215	0	23	0	172	23	92
0230	0	9	0	173	9	36	0230	0	18	0	190	18	72
0245	5	12	0	190	17	68	0245	0	19	0	209	19	76
0300	19	0	0	209	19	76	0300	12	6	0	227	18	72
0315	15	0	0	224	15	60	0315	20	0	0	247	20	80
0330	3	10	0	237	13	52	0330	17	0	0	264	17	68
0345	18	0	0	255	18	72	0345	23	0	0	287	23	92
0400	12	0	0	267	12	48	0400	17	0	0	304	17	68
===	===	===	===	===	===	===	===	===	===	===	===	===	===
TOTAL	72	120	75	267			TOTAL	89	111	104	304		

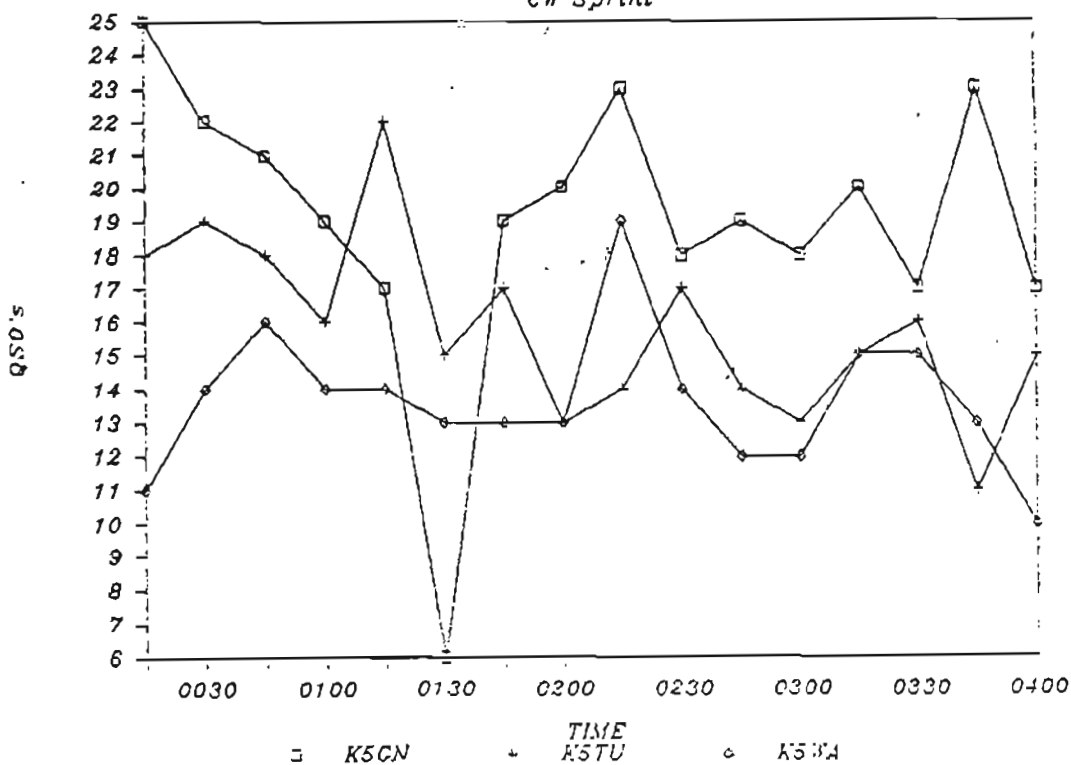
K5LZO	80	40	20	TOTAL	NET	RATE	K5WA	80	40	20	TOTAL	NET	RATE
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0015	0	0	23	23	23	92	0015	0	0	11	11	11	44
0030	0	0	19	42	19	76	0030	0	0	14	25	14	56
0045	0	0	15	57	15	60	0045	0	0	16	41	16	64
0100	0	0	17	74	17	68	0100	0	0	14	55	14	56
0115	0	5	12	91	17	68	0115	0	0	14	69	14	56
0130	0	22	0	113	22	88	0130	0	0	13	82	13	52
0145	0	15	0	128	15	60	0145	0	5	8	95	13	52
0200	0	19	0	147	19	76	0200	0	13	0	108	13	52
0215	0	14	0	161	14	56	0215	0	19	0	127	19	76
0230	0	17	0	178	17	68	0230	0	14	0	141	14	56
0245	6	11	0	195	17	68	0245	10	2	0	153	12	48
0300	15	0	0	210	15	60	0300	0	12	0	165	12	48
0315	13	0	0	223	13	52	0315	4	11	0	180	15	60
0330	15	0	0	238	15	60	0330	15	0	0	195	15	60
0345	14	0	0	252	14	56	0345	13	0	0	208	13	52
0400	14	0	0	266	14	56	0400	10	0	0	218	10	40
===	===	===	===	===	===	===	===	===	===	===	===	===	===
	77	103	86	266			TOTAL	52	76	90	218		

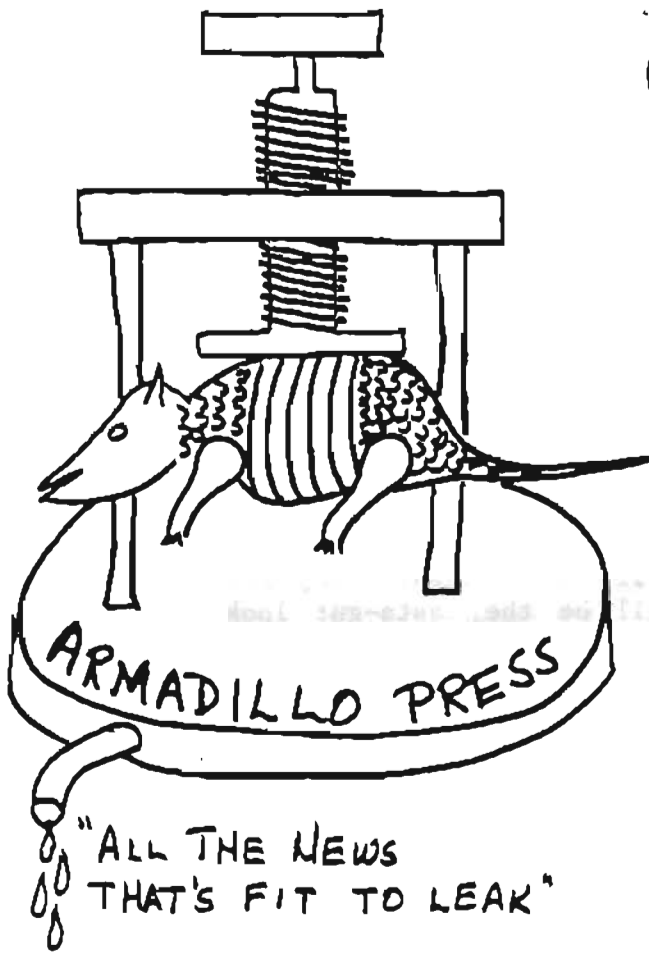
K5TU	80	40	20	TOTAL	NET	RATE	N5DU	80	40	20	TOTAL	NET	RATE
===	===	===	===	===	===	===	===	===	===	===	===	===	===
0015	0	0	18	18	18	72	0015	0	0	24	24	24	96
0030	0	0	19	37	19	76	0030	0	0	19	43	19	76
0045	0	0	18	55	18	72	0045	0	0	19	62	19	76
0100	0	1	15	71	16	64	0100	0	16	3	81	19	76
0115	0	22	0	93	22	88	0115	0	21	0	102	21	84
0130	0	15	0	108	15	60	0130	0	20	0	122	20	80
0145	0	17	0	125	17	68	0145	0	20	0	142	20	80
0200	0	10	3	138	13	52	0200	0	9	0	151	9	36
0215	0	14	0	152	14	56	0215	0	13	0	164	13	52
0230	0	17	0	169	17	68	0230	0	16	0	180	16	64
0245	9	5	0	183	14	56	0245	19	2	0	201	21	84
0300	13	0	0	196	13	52	0300	20	0	0	221	20	80
0315	15	0	0	211	15	60	0315	15	0	0	236	15	60
0330	16	0	0	227	16	64	0330	15	0	0	251	15	60
0345	13	0	0	238	11	44	0345	10	1	0	262	11	44
0400	15	0	0	253	15	60	0400	14	0	0	276	14	56
===	===	===	===	===	===	===	===	===	===	===	===	===	===
TOTAL	79	101	73	253			TOTAL	93	113	65	276		

Top 3 Scores - CW Sprint



High, Mid and Low Scores CW Sprint





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FASHION NEWS

Armadillians had a rare glimpse of the heady world of high fashion last week when the Texas DX Society put on its annual "Couture Revue" under an overpass outside of the Cut-N-Shoot. "Casual and comfortable" was obviously the theme, as TDXS'ers displayed the latest creations.

For that big day a tower climbing, N5DU was stunning in faded jeans and old tennis shoes. A hip-hugging climbing belt, accented by a leather tool pouch, was such a nice touch. Safety chain and brass rivets completed the ensemble.

For apres-tower, the rage this season is that special gimme-cap. The XE2FU baseball cap in the white with blushing-red beak and Texas map is showing up on all the smartest heads. These caps, by Raul of New Caney, are just so flexible and accessory; KD5SP modeled the cap-and-headset ensemble, certain to delight the hard-to-fit on your shopping list.

Speaking of hard-to-fit, NR5M's deft "combinage" of foile de Buick freebie racing jacket and soiled long-sleeve shirt in off-white turned many a head and stomach. Just the thing for multi-op in a room with six Alpha 77's, ten fetid bodies and only 14,000 BTU of air conditioning. Hot contesting is the game this year!

"Fanciful footwear flies in the face of fashion" was the theme of K25M clothiers. Tube socks imported from KP5 can be worn for weeks and still bounce back for more! They require no shoes, but the open-sandal look is "de rigeur" this season for Mr. Dennis to let the gases escape.

Lots of pockets make the scene for the solo 48-hour zombie look. Dave of Venezuela, a new boutique in Crosby showed the pocket package, with Froot Loop festoons. The imaginative wearer can choose to jam gun, candy, or Pentel pencils in these zippered wonders. Or, for that daring savage in you try separating the Froot Loops by color! Got a lust for pink ones only? Top left pocket!

Yes there will be hair on the style parade as well. K2TNO had his "Hair by Lagos" mannequins topped the hit parade this season with velcro look. The snarled coiffure is definitely in, a perfect place to store those pencils. Dr. Bill modeled the stick-to-the-hair headset combo, so necessary to keep those 'phones in place if you nod off when the rate drops to 5 an hour. Optional was the portable straightener, and length of zip cord in oh-so-stylish brown with a plug on one end. Grab the stripped ends and voila! Straight hair!

Predictions for the Spring Contest season: Your Super Snooper has peeked "behind the scenes" to catch that early-early pit of fashion before it hits the racks at Academy. White vests with black call letters and lots of tiny patches will be the rage! Watch for them poppin up at the Dayton fashion fair. Hot flash: Jump suits will feature cut-outs for biceps this Spring - gone will be the pasta-gut look of yesterday. "Pumping iron and no contesting will pay off big for the 'Manvel Look' in jumpsuits next year," predicts fashion expert Big Phil.

