

THE BULL SHEET

OFFICIAL NEWS BULLETIN OF THE TEXAS DX SOCIETY

an ARRL affiliated club

VOLUME VII, NO. 9

Sept. 1982

MEETING NOTICE: The September TDXS Meeting will be Friday, the 10th, at 7:30 P.M., at the Chimney Rock Medical Plaza, located at 6550 Mapleridge, which is near Bellaire General Hospital.

sprint, n., 2a: a short, fast race

For intensity of excitement and challenge, the North American Sprint has no equal. It is the 100 meter dash of the contest world.

That's how it works, too. You have to hustle to do well in a sprint. Constant movement, intense concentration, no letting up. Speed is everything: minimize wasted time, effort, and words. Concentrate on copying and writing correctly. Get the exchange right the first time, but get it right -- the editor will check every QSO for accuracy.

The sprint score is made up of QSO's times multiplier. Because of the QSY rule, it is really hard to have multipliers. Luck is more of a factor than skill. The strategy that I use is to remember the more QSO's made, the more likely that the multiplier will be high. Go for rate!

The band strategy doesn't really vary for Texas between September and February. At K5RC all three band antennas are strong as far as signal. My strategy is to spend nearly equal time on each band, favoring 20 meters. Though two rigs are available, from Texas only two or four band changes are necessary, 20 to 40 around 0230 to 0250. 40 to 80 between 0340 and 0400. A short trip backward may be warranted depending on your range. To decide, I look at the previous 10 minutes. If it doesn't come close enough to a pre-determined rate curve or average, I move. In a sprint, 10 minutes is like an hour.

There are two methods of making contact, hunt and peck, or call CQ. The former allows you to make two contacts on the same frequency before moving. The latter forces you to move after each QSO. A combination is best. Because Texas is really LOUD on 20 in the evening, lean toward CQing. Because we are not so loud on 80, lean toward hunt and peck. The weaker you are the more you need to hunt and peck. I CQ for 60% of my QSO's on 20, 50% on 40, and 35% on 80.

Move! Move! Move! You've got to run fast in a sprint. Really, that is all there is to it. The guy who is loud enough and concentrates hardest enough through the whole contest wins it. See you all on all 3 bands.

K5GN

Have you ever wondered what happened to the Line Islands? No, they haven't disappeared beneath the sea. However, if your QSL card has a VR3 prefix, consider yourself lucky, as VR3 has disappeared from the ham bands. Hopefully, VR3 made it, along with VR1, VR2, VR4, and VR5, to that happy final resting place reserved for special friends of DX'ers.

As the political tides rise and fall, so do prefixes. In some cases, it appears necessary for a DX'er to employ a secretary or perhaps a computer to keep current. This may be a slight exaggeration, however, in the case of the old VR1 and VR3 prefix, perhaps some clarification could be of benefit.

T32 = East Kiribat; (formerly the Line Islands, VR3)
Subsequent prefixes include T3 and T3L

T31 = Central Kiribat; (formerly British Phoenix, VR1)
Subsequent prefixes include T3 and T3P

T30 = West Kiribat; (formerly the Gilbert/Ocean Islands, VR1)
Subsequent prefixes include T3A and T3K

T30 and T32 have had considerable DX activity in the last two years, however, T31 is, to many DX'ers, very rare. This can be better understood if we remember the location, approximate square miles and population of each.

| | <u>Land Square Miles</u> | <u>Population</u> |
|-----|--------------------------|-------------------|
| T32 | 200 | 1,000 |
| T31 | 34 | 1,000 |
| T30 | 342 | 52,000 |

From an economic point of view, T31 is the most lacking. Transportation is unscheduled and difficult to arrange. The last DXpedition (Larry KS6DV) was extended well past the scheduled departure date due to transportation problems.

Hopefully, this will help to eliminate some of the confusion surrounding the old VR prefix. In any case, if you hear a T31 on the air, please give me a call. I would sincerely enjoy discussing prefixes with you — right after I work him.

73's Frank KC5M

HELP! - de KZ5M

The sweat is on! As the last weekend of October draws near for the CQWW Test, I find myself in need of "megahands" to get Radio Booth operational in time. The last two 100 ft. towers are off the drawing board and the bills of material are in the hands of the Busick Gang. Pickup loads of goodies have already arrived. 5,000 ft. of hardline lays in wait for something to feed. All aesthetic conscience residents of Booth have moved out.

To solve my problem, I am going to have a Field Day style dual tower erection day in Booth on September 26th (Sunday). If I can get enough volunteers, we'll run two separate teams in motion at the same time. (Barbarians and Christians?) With luck, all guywires will be precut and tied to the tower sections and things will go smoothly. Maybe even get a few of the 9 beams up?!...

Even if all goes well, it will be a full day for all concerned, so late comers will be openly received. I promise to keep the coolers cool and assorted nourishment available. Can you make it?

If so, please let me know via electronic radio on some authorized frequency within 50 megs or so of your favorite FM music, or by telephone. Home 343-1060 - Work 776-2500. Regardless of your tower fetish (stand on it, below it or on top

of it), please join the fun. We will document the progress of the work on film every 30 minutes or so which will give the small-time fatheads from afar something to think about when we show the slides in the suite this year. (Grady will gag them next year.)

K5KG/OHØ/OHØ

George reports that in his 9 days at Market Reef, he amassed 3,400 QSO's. Trip slides will be shown at the Houston Ham Convention in October. Send QSL's to K5KG direct, however, expect approximately a 60-day turn around.

CLASSIFIED ADS

AC5K, Wes, has the following for sale:

1. Cushcraft 5 band Trap Vertical (5BTV)
2. Heathkit SA 5010 Memory Keyer
3. 60' steel, three section, crankup tower (needs minor repair)

All for the best reasonable offer or trade. Looking for HF mobile antennas and HF amplifiers of the SB 200 class

AC5K 713-755-4753
Beaumont area

George Wagner has the following for sale:

A Sherwood Engineering Speech Processor for the Drake line - mint condition - hardly used - \$300

George is interested in acquiring a clean, 3 tube Alpha 76 at the right price

Sprint Alert

Attention all CW operators! Operating in the North American Sprint may lead to addiction to fast CW, twitching fingers, and a slight ringing in the ears. If you have spent time in this whirlwind of a contest, you know the above warning is too late. You're already hooked. To all others, proceed with caution.

This year the Sprint will come in two versions, phone and CW. I will talk about the CW contest and leave phone to you. The CW contest runs 0100Z - 0500Z on Sept. 18 (Note: this is Saturday evening 8 P.M. to midnight). Phone follows one week later.

We are fortunate in Texas that the Sprint strategy is very simple. Start on 20M, then 40M, and finish on 80M. The difficult part is knowing when to change bands. Twenty is the main money band from here so that is the place to spend most of your time. I would suggest staying on 20 until around 0230Z. The time to move is about 5 minutes after your rate noticeably slows. When you get to 40, it will be like starting the contest again and the higher rate will make up for the extra time on 20. I suggest staying on 20 the extra 5 minutes to prevent getting to 40 too soon. 40M is a tough band but it should yield about the same number of QSO's as 20. The time to go to 80 is at 0400Z. This will give you 1 hour on 80 which seems to be optimum from here with even simple antennas.

My strategy is to concentrate on rate through the entire contest. Time spent looking for multipliers is usually wasted since everyone is moving around. Another thing which will help your score is to send as fast (but not faster) as you can receive. This results in the better operators calling you which makes for quicker QSO's. If your CW skill is at sublight speed, stay up higher in the band (050 +) since the pace is a little slower there. Don't be afraid to go your own pace because this contest is fun at any speed.

Good luck and look for other TDXS members. If each member were to work on all 3 bands, that would be a 150 QSO headstart!

de K5ZD

Contest Report

I understand that this month the Bull Sentence is returning to the status of Bull Sheet with its many articles. Thank goodness ... I don't have to write nearly as much this time.

Results for the 1981 CQ World Wide DX phone contest hit the streets this month. Three club members are listed as achieving wall paper:

K5DX #1 /5th District All Band
K5RC (by K5GN) #1 /5th District - #2 /USA 28 MHz
K5GA (by KN5H) #1 /5th District 21 MHz

Also making the results are: W5ASP, KC5CP, and (do I believe my eyes?) W5JWM. Frank deserves a lot of credit this month. He is living proof that one can be competitive in a DX contest with the beam frozen on ZD9.

September QST lists results for the June VHF contest. Unfortunately, K5L2O's division record has fallen, but a good showing was made by the team again this year. The only other club entry listed is K5BZU with a fine 2 meter score.

Sweepstakes - Included in this month's Bull Sheet are two very important tools to a good club showing in SS. They are K5WA's score matrix (QSO's vs. multipliers) and the club member's individual quotas.

For those of you who have never participated in a TDXS sweepstakes before or may have forgotten, the quotas are assigned by the volunteer team captains (this year they are K5WA, KA5GJO, KZ5M and N5JJ). An attempt was made to assign these values as a goal to strive for keeping in mind past performance, station changes, and potential work conflicts. If your goal was assigned too low a value don't be too insulted, just show everyone how much better you can do. The matrix is provided to give at a glance how many QSO's and multipliers are needed to achieve your goal.

The team captains will draft their teams at the September meeting. The teams are being formed to provide some intraclub rivalry. Your quotas will weigh heavily as to which round you are selected.

Don't forget...

NA Sprint CW - September 18 (Saturday night)

NA Sprint phone - September 25 (Saturday night)

If you want to be on a sprint team and are not already, call me at 721-7920 or see me at the meeting.

European phone - September 11-12

Can-Am CW - September 25-26

Can-Am Phone - September 18-19

And...

A special tip of the hat to K5ZD and K5GN for their scoop of the poop on strategy for sprint. Next month we hope to have SS strategy by K5ZD (reprint of last year) KZ5M and K5RC.

Don't miss the September meeting ... you will want to see if you get a team captain who takes showers or KA5GJO.

73's Dave N5JJ

TDXS SWEEPSTAKES
INDIVIDUAL POINT QUOTAS
KILOPOINTS

| <u>CALL</u> | <u>CW</u> | <u>SSB</u> |
|-------------|-----------|------------|
| K5GA | 150 | 100 |
| N5JJ | 155 | 250 |
| K25M | 145 | 230 |
| K5MA | 135 | 160 |
| K5GN | 150 | 230* |
| KN5H | 150 | 220 |
| N5DU | 130 | 230 |
| K5LZ0 | 145 | 230 |
| K5WA | 140 | 240 |
| WB5WHR | 125* | 185 |
| N5WW | 100 | 140 |
| K5VWW | 100 | 125 |
| W5JQ | 120 | 150 |
| K5GB | 120 | 135 |
| NA5R | 125 | 200 |
| W5SG | 75 | 125 |
| KG5U | 120 | 200 |
| K5JS | 60 | --- |
| K5TU | 135 | 160 |
| KN5A | 75 | 150 |
| W5ASP | 80 | 155 |
| K5RC | 40 | --- |
| K5KG | 150 | 200 |
| N5EA | 115 | 150 |
| W5HNS | 75 | 115 |
| K5DX | --- | 190 |
| KB5FU | 115* | 160* |
| K5BZU | --- | 115 |
| KA5GJO | --- | 180 |
| AA5Y | --- | 75 |
| KC5CP | --- | 125 |
| K5IY | --- | 210* |
| W5DOZ | Duping | --- |
| WB5MYO | --- | 50 |
| W5JWM | --- | 50 |
| AC5K | 100 | 135 |
| AK5B | 60 | 150 |

* Multi-Op

ARRL SWEEPSTAKES SCORE MATRIX

QSO's VS. MULTIPLIER

| Section | 40K | 50K | 60K | 75K | 80K | 100K | 120K | 140K | 160K | 180K | 200K | 210K | 220K | 230K | 240K | 250K | Section |
|---------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|---------|
| 74 | 270 | 338 | 405 | 507 | 541 | 676 | 811 | 946 | 1081 | 1216 | 1352 | 1419 | 1486 | 1554 | 1622 | 1689 | 74 |
| 73 | 274 | 343 | 411 | 514 | 548 | 685 | 822 | 959 | 1096 | 1233 | 1370 | 1438 | 1507 | 1575 | 1644 | 1712 | 73 |
| 72 | 278 | 348 | 417 | 521 | 556 | 695 | 833 | 972 | 1111 | 1250 | 1389 | 1453 | 1528 | 1597 | 1667 | 1736 | 72 |
| 71 | 282 | 353 | 423 | 529 | 563 | 705 | 844 | 986 | 1127 | 1268 | 1409 | 1479 | 1550 | 1620 | 1690 | 1761 | 71 |
| 70 | 286 | 358 | 429 | 536 | 570 | 715 | 855 | 1000 | 1143 | 1286 | 1429 | 1500 | 1571 | 1643 | 1714 | 1786 | 70 |
| 69 | 290 | 363 | 435 | 544 | 579 | 725 | 870 | 1014 | 1159 | 1304 | 1450 | 1522 | 1594 | 1667 | 1739 | 1812 | 69 |
| 68 | 294 | 368 | 441 | 552 | 588 | 736 | 882 | 1029 | 1175 | 1324 | 1471 | 1544 | 1618 | 1691 | 1765 | 1838 | 68 |
| 67 | 298 | 374 | 448 | 560 | 597 | 747 | 896 | 1045 | 1194 | 1343 | 1493 | 1567 | 1642 | 1716 | 1791 | 1865 | 67 |
| 66 | 302 | 379 | 454 | 569 | 606 | 758 | 909 | 1061 | 1212 | 1364 | 1516 | 1591 | 1667 | 1742 | 1818 | 1894 | 66 |
| 65 | 308 | 385 | 462 | 577 | 615 | 770 | 923 | 1077 | 1231 | 1385 | 1539 | 1615 | 1692 | 1769 | 1846 | 1923 | 65 |
| 64 | 313 | 391 | 468 | 586 | 625 | 782 | 938 | 1094 | 1250 | 1406 | 1563 | 1641 | 1718 | 1797 | 1875 | 1953 | 64 |
| 63 | 317 | 397 | 476 | 596 | 635 | 794 | 952 | 1111 | 1270 | 1429 | 1588 | 1667 | 1746 | 1825 | 1905 | 1984 | 63 |
| 62 | 323 | 404 | 484 | 605 | 646 | 807 | 968 | 1129 | 1290 | 1452 | 1613 | 1694 | 1790 | 1855 | 1935 | 2016 | 62 |
| 61 | 328 | 410 | 491 | 615 | 656 | 820 | 987 | 1148 | 1310 | 1475 | 1640 | 1721 | 1803 | 1885 | 1967 | 2049 | 61 |
| 60 | 333 | 417 | 500 | 625 | 666 | 834 | 1000 | 1167 | 1333 | 1500 | 1667 | 1750 | 1833 | 1917 | 2000 | 2083 | 60 |

Last month's meeting will be a hard act to follow! However, we are presently looking for anyone who will volunteer to say that September 10th is his birthday. Assuming we can find such an individual (and my XYL Sue already knows that mine is in January) then here is a short promo on the meeting entertainment so that the XYL's will be apprised of all goings on at the gathering:

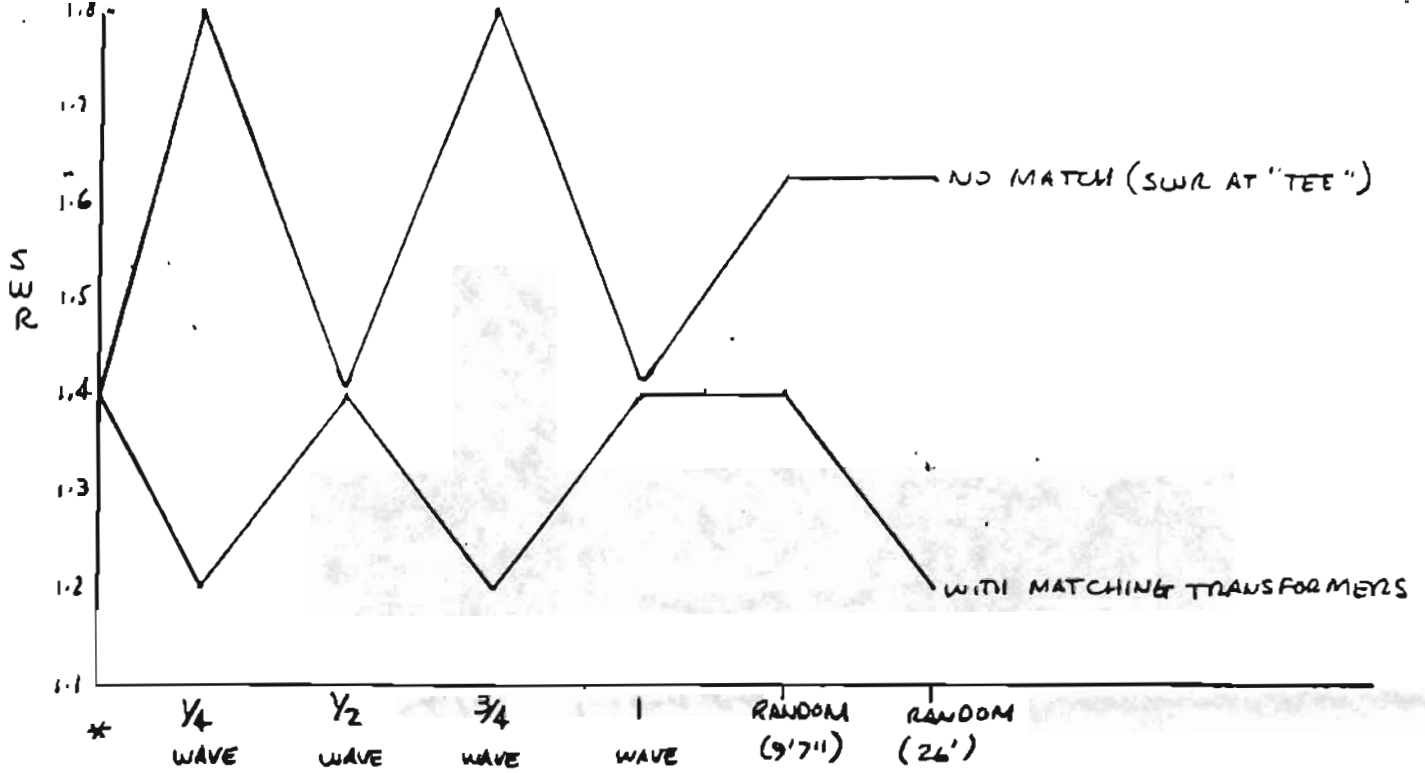
Ms. Tootsie LaToure, *feme fatale* recently returned from her Las Vegas trip. She is currently performing her fantastic act at a venue on South Main St. which includes "Clyde" her very well trained boa constrictor act which many devoted fans and feel surpass her world-acclaimed saber dance and in many Paris nite clubs when she was much younger. She has promised an exciting evening including such t

SENSURE

Sorry, Al - KNSA

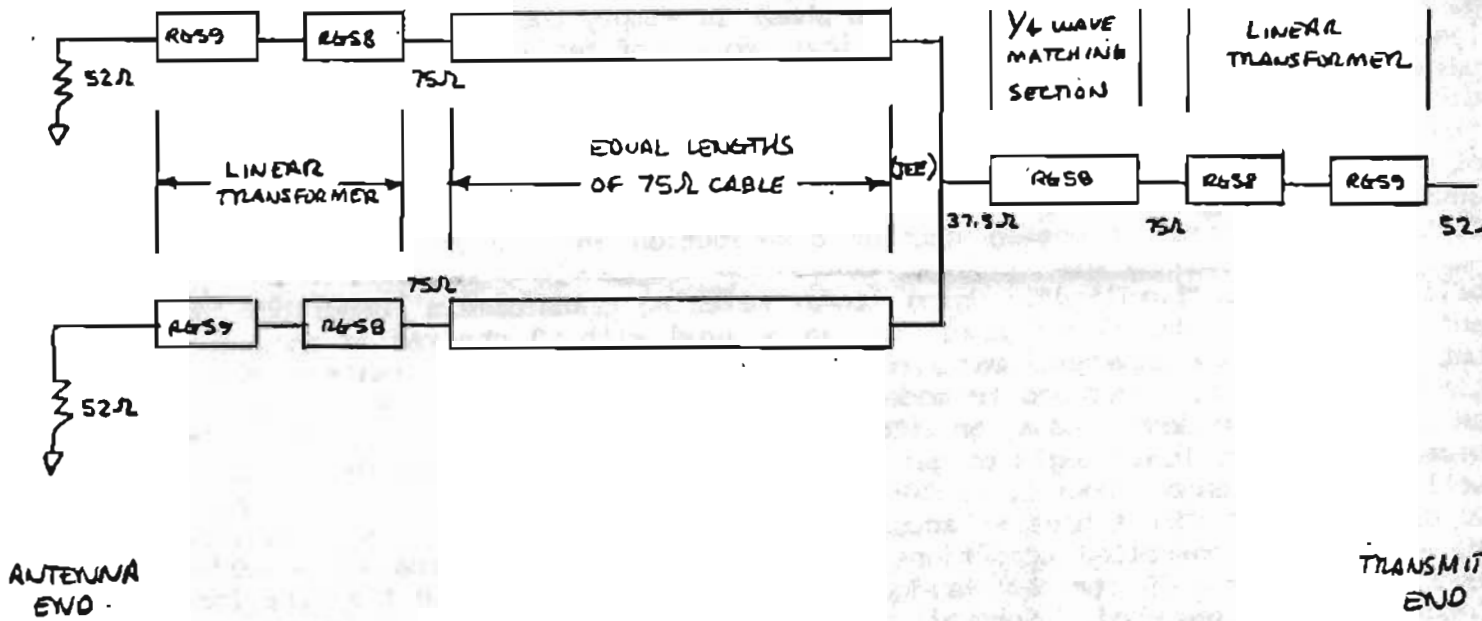
Matching Phased Antennas

When combining two or more antennas, there is always a need to perform an impedance match to return the 50 ohm antennas to the 50 ohm feed that your transmitter likes to see, because, when you parallel two feedlines (just as paralleling two resistors), the impedance becomes half of either one (assuming they are both the same impedance). If you do your phasing at the antenna, it is fairly simple to connect a 1/4 wave transformer of 75 ohm coax to each antenna and "tee" them together. The quarter wave sections transform the 50 ohm antennas to 105 ohms. Then when the two are paralleled, you have the 52.5 ohms your feedline likes to see. Radio Marvel will have several antennas to be phased on each band. That makes it impractical to do the phasing at the antennas. Since phase is simply the time at which the signal leaves the antenna, you can bring identical lengths of feedline to a central switching point, "tee" two of them together and drive them in phase (obtaining about 3 db. more gain than either of them alone). The problem is, what is the impedance when you "tee" together the two identical lengths of feedline? Is it simply half the impedance of each one? If the antenna is purely resistive, it should be, however almost every antenna has a reactive component that causes some standing waves on the coax. When that happens, there is uneven current distribution and the impedance could vary, depending on frequency and length of coax. The problem is compounded by the availability of 75 ohm "hardline". Using linear matching transformers (described by KSDX and in the NCJ), the 75 ohm hardline can be used with 50 ohm radios and antennas, but it complicates impedance matching even further. Since there isn't much written about the subject, I decided to model the problem on the workbench. I used a radio on 10 meters, two dummy loads, an SWR bridge and a bunch of coax. I chose 10 meters because the dummy loads begin to get reactive at that frequency and look more like a well-matched antenna (about 1.3:1 SWR at 50 ohms). SWR and impedance have very little in common, but I didn't have an accurate way to measure impedance, so I plotted SWR curves. Under controlled conditions, the repetitive curves indicate the variations in mismatch at the 50 ohm SWR bridge caused by the reactance in the line for each length of coax measured. Several matching methods were tried, to prove out the linear transformers and matching method selected. In every case, the results were repetitive and predictable. The attached graph shows the curve with no matching device (SWR bridge at the "tee") and the curve after the quarter wave transformer and linear transformer. Conclusion: The reactive antenna does cause impedance variations at the "tee". These variations, however, are small and can be easily tolerated.

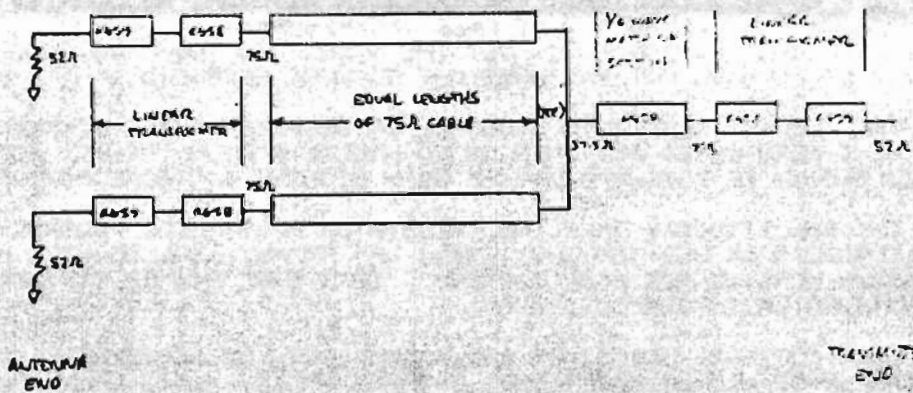
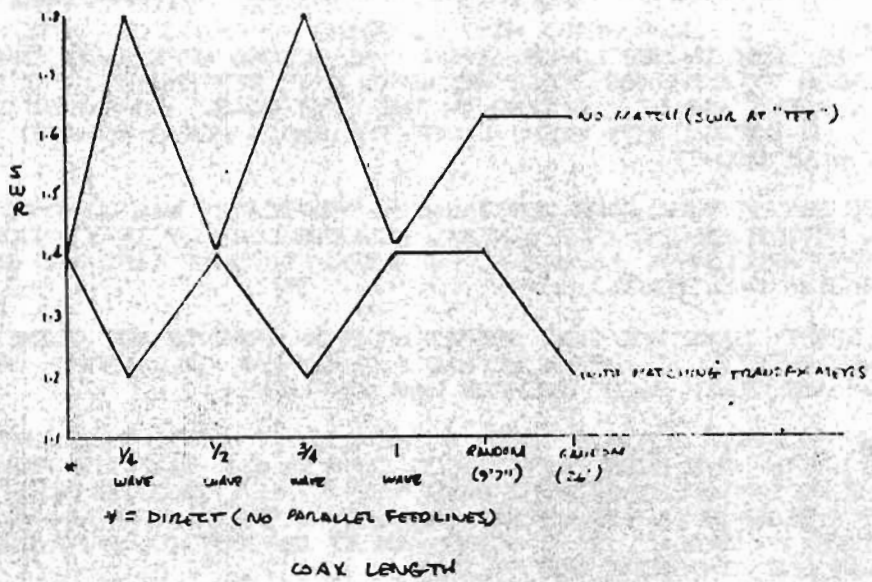


* = DIRECT (NO PARALLEL FEEDLINES)

COAX LENGTH



KSRL
8/82



KSCC
9/92

I'VE HAD SEVERAL COMMENTS ON THE PROPOSAL OF AN ALL OUT CLUB EFFORT DURING THE ARRL DX CONTEST THIS WINTER. I WILL BE CALLING ON SEVERAL OF YOU FOR TEAM CAPTAINS. WE WILL APPROACH THIS CONTEST MUCH LIKE THE SWEEPSTAKES LAST YEAR. IF YOU ARE INTERESTED IN HEADING UP A TEAM PLEASE LET ME KNOW. I WOULD LIKE TO FIELD THREE AND POSSIBLY FOUR TEAMS FOR LOCAL CLUB COMPETITION TO HELP DRIVE UP THE CLUB ENTRY.....

THE BANDS ARE BEGINNING TO PICK UP QUITE A BIT AS THE SUN MOVES BACK TOWARD THE EQUATOR. THE "JA" OPENINGS HAVE BEEN MUCH STRONGER ON 15 METERS IN THE LATE AFTERNOON. THE NEXT FEW WEEKS SHOULD REALLY BE HELPFUL TO INCREASING DXCC TOTALS.

GEORGES, "FB&WG", IS STILL EASY PICKINGS ON THE 'YL-SYSTEM' ON 14.332 ALMOST EVERY MORNING. I BELIEVE HE IS SCHEDULED SOMETIME TO LEAVE SOMETIME IN EARLY OCTOBER SO YOU MIGHT WANT TO NAIL HIM DOWN IF YOU ALREADY HAVEN'T. THE 'YL-SYSTEM' RUNS SHORT BURST OF LISTS BETWEEN THEIR NORMAL BUSINESS, WHATEVER THAT IS ???? ACCORDING TO THE LONG ISLAND BULLITEN THE NEW CREWS OF "FB&X AND FB&Z" BOTH HAVE AMATUERS AMONG THEIR MEMBERS AGAIN THIS YEAR SO THOSE ISLANDS WILL HAVE SPOTTY ACTIVITY AGAIN FOR A TWELVE MONTH PERIOD. THE CREW CHANGE SHOULD TAKE PLACE IN OCTOBER WITH THE ARRIVAL OF THE SOUTHERN HEMISPHERE'S SPRING.

"CHEMM" (AND POSSIBLY "OH2BH") SHOULD CRANK-UP "09" AS YOU ARE READING THIS FOR ABOUT 10 DAYS.... MORE FROM AFRICA WITH TWO DIFFERENT RUMORS CONCERNING CHAD "TT8". ONE HAS IT A JAPANESE (JA1LFR) CURRENTLY SIGNING "TR&ORT" (I'VE NEVER HEARD HIM) IS GOING TO CHAD JUST AFTER OUR LABOR DAY THE FIRST WEEK IN SEPTEMBER. THEN THE SECOND OFFING IS THAT "TL&E" WILL BE SIGNING "TT&LM" FOR THREE WEEKS IN LATE SEPTEMBER.... I HAD BEEN TOLD THIS SEVERAL WEEKS AGO BY A FRIEND ON THE EAST COAST AND SWORN TO KEEP IT UNDER MY HAT.... I NOTICE THIS WEEK ALMOST THE EXACT WORDS HE USED APPEARED IN "GRZ".SOME SECRET.....

ALSO OUT OF "THE DARK CONTINENT", "F6FIC/TZ" WAS ON THIS LAST WEEKEND ON FIFTEEN METERS SSB. I KNOW SEVERAL FELLOWS LOCALLY THAT KNOCKED ANOTHER ONE OFF THEIR NEED LISTS. HE SHOULD BE THERE FOR SOME TIME AND IS HOPING FOR A REGULAR "TZ" CALL SIGN....

DON SEARCH SAYS THE "JA" OPERATING FROM IRAQ IS NOT GOING TO BE ACCEPTED FOR DXCC CREDIT.... SEEMS HE HAD A TELEPHONE CALL FROM "THE OPERATORS OF YI1BGD" AND "THEY SAID" THE GUY WAS NOT LEGAL!

WHEN PROPORATION WAS GOOD TO THE SOUTH PACIFIC THIS LAST WEEK JIM AND KIRSTI SMITH HAVE BEEN PRETTY GOOD COPY ON CW. HAVE NOT HEARD THEM ON SSB. THEIR EUROPEAN OPENINGS MUST HAVE BEEN REALLY GOOD AS TWICE I'VE HEARD THEM WITH 589 SIGNALS AND COULD NOT BREAK INTO THEIR EUROPEAN RUNS.... SAME STORY WITH ERIK AT "T2AGD", I'VE HEARD HIM AT 564 BUT COULDN'T BREAK THE EUROPEANS. DID HEAR ONE SIX BREAK THE PILE-UP.

"FR7CG/TROMELIN" IS FLAKEY IN HIS OPERATION. HIS SSB TIME IS WELL OUTSIDE THE 'ESTABLISHED' DX WINDOWS.... I WORKED HIM AT 0300 AT 14.060 AND HE WAS ON THE SAME FREQUENCY THE NEXT NIGHT (23 & 24 AUG).

I'M SORRY I CAN'T HIT THE REPEATER WITH ANY REGULARITY, LOREN OBLIGED ME WITH A SCHEDULE ON 40 AND 80 OVER THE WEEKEND FROM "KH7". SEVERAL OF US FROM HOUSTON WORKED HIM ON FORTY BUT THE NOISE WAS JUST TOO MUCH ON 80..... SURE WISH I COULD HAVE PUT THE WORD OUT TO MORE PEOPLE....

THE 'LIDKA' ALSO PUTS A COUPLE OF GERMANS ON THE TOKELAUS "ZM7" NOW FOR THE NEXT WEEK OR SO AND THEN ON TO WALLIS/FORTUNA "FW8". ACCORDINGLY THEIR CALLS SHOULD BE "DJ1WM & DJ9KH" BOTH SIGNING A STROKE PORTABLE....

THE BULLTINS SAY THAT THE KNIGHTS OF MALTA WILL PROBABLY BE ACTIVE DURING THE EUROPEAN DX SSB CONTEST COMING UP. FRANK, I GUESS WILL HAVE THE PLEASURE OF AGAIN WORKING HIS LAST COUNTRY. THAT SURE SOUNDS STRANGE TO BE CONTINUALLY BE WORKING LAST YOUR ONE???????

LOOK OUT FOR "DF&MP/XZ" ABOUT THE FORTH OF SEPTEMBER. HE IS SCHEDULED TO APPEAR ON 15 AND 20 METER SSB. I THINK IT IS A LIST ONLY OPERATION FOR AWHILE, 1600 Z ON 21.295 AND/OR 14.240. THE STATION WILL HOPEFULLY SHOW ABOUT 1700 Z. HE SUPPOSELY HAS THE BLESSING OF THE RANGOON GOVERNMENT, AND PROPER DOCUMENTATION TO GET PAST THE DXCC DESK. QSL TO DL2KAD IF YOU WORK HIM.....

TO ASSIST US IN PUTTING OUT ON THE REPEATER DX INFO THAT WILL HELP DRIVE UP OUR DXCC COUNTRY COUNTS.

NUMBER OF YEARS ACTIVELY DX'ING: _____

DO YOU: DON'T DX
 CASUAL DX (WORK IT IF THEY CALL YOU AND QSL FIRST WITH SASE)
 WORK IT IN CONTEST AND DON'T ACTIVELY SOLICIT CONFORMATIONS
 WORK IT WHENEVER I CAN AND SWEAT BLOOD UNTIL CARD ARRIVES

DO YOU HAVE DXCC SSB ONLY CW ONLY MIXED

IS YOUR DXCC SUBMISSIONS CURRENT? THIS YEAR LAST YEAR

PLEASE MARK THRU COUNTRIES YOU HAVE CONFIRMED OR LEAVE COUNTRIES YOU WOULD LIKE TO HEAR A QST ON UNMARKED.

| | | | | | | | | | |
|------|--------|--------|-------|--------|--------|---------|--------|-------|-----|
| A32 | DU | GM | JD1/O | OD | T30 | UG2 | VU/AND | ZL/C | 5V |
| A35 | EA | GU | JT | OE | T31 | UR2 | VU/LAC | ZL/K | 5W |
| A4X | EAL | GW | JW | OH | T32 | VE | XE | ZM | 5X |
| A51 | EAB | H44 | JX | OH0 | TA | VE/SAB | XF4 | ZP | 5Z4 |
| A6 | EA9 | HA | JY | OJD | TF | VE/SP | XT | Z9 | 60 |
| A71 | EI | HB | K | OK | TG | VK | XU | ZS2 | 6W6 |
| A9 | EL | H80 | KH1 | ON | TI | VK/LHI | XV | ZS3 | 6Y5 |
| AP | EP | HC | KH2 | OX | TI9 | VK/WIL | XW | 1A | 70 |
| BV | ET | HCB | KH3 | OY | TJ | VK/CHR | XZ | 1S | 7P8 |
| BY | F | HH | KH4 | OZ | TL | VK/COC | Y** | 3A | 7G7 |
| C21 | FB6W | HI | KH5 | P29 | TN | VK/MEL | YA | 3B6 | 7X |
| C31 | FB8Y | HK | KH5K | PA | TR | VK/NOR | YB | 3B8 | 8P6 |
| C5 | FB8Z | HKB | KH6 | PJ2 | TT | VK/HRD | YI | 3B9 | 8G7 |
| C6A | FC | HKB/BN | KH7 | PJ7 | TU | VK/MCQ | YK | 3C | 8R1 |
| C9 | FG | HKB/M | KH8 | PY | TY | V3 | YN | 3C1 | 90 |
| CE | FH | HKB/SB | KH9 | PY0/F | TZ | VP2A | YO | 3D2 | 9H |
| CE0A | FK | HL | KC6/E | PY0/SP | UA | VP2E | YS | 3D6 | 9J |
| CE0X | FM | HP | KC6/W | PY0/T | UA/FJL | VP2K | YU | 3V | 9K |
| CE0Z | FO | HR | KG4 | PZ | UK2F | VP2M | YV | 3X | 9M2 |
| CE9 | FO/CLP | HS | KP4 | S2 | UA9-D | VP2V | YV0 | 3Y | 9M8 |
| CO | FP | HV | KP4/D | S79 | UB5 | VP5 | ZA | 4S7 | 9N |
| CN | FR | HZ | KP1 | S9 | UC2 | VP8/FLK | ZB | 4U1LN | 9Q |
| CP | FR/G | I | KV4 | SM | UD6 | VP8/GED | ZD7 | 4U6 | 9U |
| CR9 | FR/J | IS | KX4 | SP | UF6 | VP8/ORK | ZD8 | 4W | 9V |
| CT | FR/T | J28 | KL7 | ST | UG6 | VP8/SHT | ZD9 | 4X | 9X |
| CT2 | FS | J3 | KH0 | ST0 | UL7 | VP8/SAN | ZE | 5A | 9Y |
| CT3 | FW | J5 | LA | SU | UH8 | VP9 | ZF | 5B | /A |
| CX | FY | J6 | LU | SV | UI8 | VG | ZK1/S | 5H | |
| D2A | G | J73 | LX | SV5 | UJ8 | VR6 | ZK1/N | 5ND | |
| D44 | GD | J88 | LZ | SV/DOD | UM8 | VS5 | ZK2 | 5R | |
| D68 | GI | JA | M1 | SV/ATH | UO5 | VS6 | ZL | 5T | |
| DL | GJ | JD1/M | OA | T2 | UPE | VU | ZL/A | 5U | |

IF YOU WANT TO MAIL THIS TO ME OR BRING IT TO THE NEXT CLUB MEETING EITHER WILL BE OK, BUT I WOULD LIKE TO ACCUMULATE INFORMATION AND LET THE COMPUTER CRUNCH THE NUMBERS.