



Southeastern DX Club

W4NT

THE SOUTH'S PREMIER DX CLUB
July 2009

WELCOME TO THE NEW CLUB OFFICERS.

President: Bob Carroll W2WG
Vice President: Jim Cummings KT4MM
Secretary: Wes Lamboley W3WL
Treasurer: Mike Weathers ND4V
Activities: Gary McConville WB4SQ

REMEMBER:

NO MEETING THIS MONTH!!!
This month is picnic time at Ken Byers', K4TEA, lake house on Lake Lanier. See your evite e-mail for time and directions.

Just as we were preparing this bulletin news came of the passing of Ernie Zingleman, KS4Q. As you all know Ernie had been fighting cancer for some time and finally lost the battle.

By the time you get this, word will have already been placed on the web site and the SEDXC reflector about the arrangements for services for Ernie.



Ernie, KS4Q, 1964-2009

President's Report:

Time for another SEDXC year to begin. Come to think of it, I haven't paid my dues yet. I hope I can remember to do so at the SEDXC picnic at the lake on July 25 or Chaz soon may blank out my picture.

We certainly had a great two years with Bob Allphin at the helm. It is definitely a good thing when you have a ball of fire member of the DX Hall of Fame to lead the charge. Thanks, Bob! Even Bob was awed by the ability of George, N4GRN to keep a large number of DX balls in the air while keeping a business running at top speed. I heard Bob say something along the lines of George being the most productive and organized person he had ever met. Thanks George! The rest of the officers are still on the job thanks to the persuasive work of Neil Foster and his committee. Thanks Neil.

As I write this, the SEDXC executive board is about to meet to take a look at a number of business and policy issues. We are also going to be looking at the directions the club might take during the new SEDXC year. We would like your input on this. In fact, I would like your ideas on this directly and quickly so that the board can consider them. You can call me at 770-594-8079 or email at w2wg@comcast.net,

One of the things most on my mind has been how to build new DXers and bring them into the club. Jim Stafford, W4QO, and several others have given the board some good ideas on what needs to be done and how to do it. As a result, and with the help of suggestions from local clubs, at our picnic you are going to see some younger folks who are already beginning a career in DXing as well as some who are in the process of

being bitten by the DX bug. Please make these folks feel welcome. Talk to them. Say more than hello. Based on my conversations with a number of them, I know they stand in awe of veteran DX talent—and maybe feel a little too much in awe to be comfortable. Funny, I remember my first invitation to a DX picnic and feeling just that way quite a few decades ago. I am hoping some of these younger folks will join the club, bring their friends, and form the foundation for the club a couple of decades out.

Of course you are also going to see folks you have known for decades at the picnic, some folks who are older but whom you will not recognize, and perhaps a few world class DXers who are not club members but whom you WILL recognize. Please make all these folks feel welcome as well.

I am pleased to announce that Mack Mc Cormick, WB4MAK, has agreed to join our executive board. Mack, who is now president of the NFARL club as well as a member of the SEDXC, was one of that very small group who took the NFARL from a handful of veteran members considering the possibility of disbanding to a 250+ member club which is very active and generating a huge amount of excitement in ham radio. It is very clear that this took commitment and vision on the part of that small group and that it took perseverance and work, work, work. Welcome, Mack, and thanks for joining us.

A couple of final thoughts about the picnic-- It's still several weeks away and as is our tradition there are still many undecided. Since this will be the first go-round for the new slate of officers in planning for the picnic, it would be very helpful if you could give us as much advance notice as possible. If you don't find out till the last minute that you can come, that's fine—please DO come. But we would like to be as prepared as we can. If you have lost your evite, I can send another one.

Finally, quite a few of you probably know of a young ham who is a beginning DXer or one showing great interest in becoming one. Or

maybe you know a veteran DXer who has just moved to the area, or a long slumbering DXer who has recently come out of his or her personal sun spot cycle. I would greatly appreciate it if you would send me the name, call, and email address. We are controlling the invitations to visitors so as not to overload Ken's lake house, but the picnic is a great recruiting opportunity and we want to take advantage of that.

73,
Bob, W2WG

Vice President's Report:

As a former member who sat in the back of the room and enjoyed each and every presentation, it is now my turn to contribute to the club members by finding fun and informative programs. Atlanta is very rich with ham radio operators, DXers, contesters, and many technical companies that are on tap or are planned to be invited to one of our upcoming monthly Club meetings.

Since it is the season for summertime thunder boomers and lightning strikes. Greg Abernathy, AI4UD of Practical Engineering PC, will present our August program.

Greg is a Georgia State licensed Professional Engineer and has prepared an excellent Powerpoint program that will take us from lightning facts, lightning protection, and to the all important station grounding. All presented in a "down-to-earth" level that requires no PhD engineering degree. Since Greg is also an active radio operator he'll present the information so we all can understand the do's and don'ts for station protection and grounding.

Even if you think that there is no more to learn about lightning protection and station grounding, Greg may just fill-in some little forgotten facts or helpful tips. See you at the August meeting.

73,
Jim, KT4MM

Secretary's Report:

Since Wes was not present at the last meeting there is no secretary's report this month.

Treasurer's Report:

SEDXC Financial position as of July 7, 2009

General Checking:	\$6,353.67
Packet Fund:	<u>20.15</u>
Total Balance:	\$6,373.82

I hope everyone has been enjoying the six meter activity these past couple of weeks. I've heard quite a few club members in the pileups. Last week, I worked my first European station on six and got a LoTW QSL the next day. Managed to snag Hawaii on both fone and cw yesterday. I could almost hear a JA yesterday ... but rumor is that he was a slim..... bummer.

Dues collections are coming in at a steady pace. We have about half the membership paid up. Dues fund the DXpedition requests, guest speaker fees, plaques for the Georgia QSO party, 160 meter contest, club contests, and of course a portion of the picnic and Christmas party.

If you haven't paid up, please go on line www.sedxc.org and find the paypal link; or, just drop me a check for \$20 payable to the Southeastern DX Club at 207 Longview Dr. Norcross, GA 30071-2127

73 es DX
Mike, ND4V

Activities Report:

No activities report this month.

The Potomac Valley Radio Club is hosting a series of Webinars this summer.

Details on the entire Webinar series can be found at:

http://www.radio-sport.net/pvrc_websked.htm

One of those given is a presentation on EY8MM's lowband station.

Go to their web site and check out and register for the series.

Last month this area had a visit from an old friend, Dave Fisher, W7FB, formally known as WØMHS or "Mother Nature". Dave was in town on business but attended a couple of lunches locally. When he left he gave me a copy of the "Q" and "Z" codes and I think some of the CW buffs in the club might be interested. At the end of this bulletin you will find a copy of the codes. It is the most extensive one I have seen.

Remember, the "DX Pros" are still active and if you know of anyone needing help with any phase of getting on the air have them contact Bob, W2WG, or put in a request on the web site www.dxpros.org.

SEDXC OFFICERS

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The SEDXC Newsletter is published monthly by the Southeastern DX Club . All opinions expressed by the contributors do not necessarily reflect those of the editor, officers, or club. We welcome your opinion

**DX PACKET FREQ. (Corrections, 1/2/04)
N4XXM off line(2400) 144.91 (direct, Vinings),
off line(2400) 145.65 (direct or ATLDX)**

Note: ATLDX is down right now, direct OK.

KS4Q (2400) 144.97 MHz; 'c saw3'

(2400) 145.63 MHz; 'c saw4'

(1200) 145.69 MHz; 'c saw5'

Once you get a connect on any of the three

above frequencies, enter 'c saw1'. Once

you get a connect to saw1, enter 'c ks4q'

or simply 'dx'. or telnet dx.ks4q.net

NI4X (9600) 144.93, 145.71, 440.75

K4UGA (Athens)(2400) 145.67 (SE Megaclst)

(telnet 128.192.52.40 599, must put in port 599)

DX COMMUNICATION FREQ.

Simplex 147.54

K4JPD Repeater (tone 85.4 Hz) 147.195 +600

SEDXC WEBPAGE

www.sedxc.org

SEDXC REFLECTOR sedxc@contesting.com

SPECIAL NOTE:

Several members are now using the Repeater on 145.410, down 600, for chatting and real time DX announcements.

Join the group there. No tone required.

>>>>>>>>> Q - SIGNALS <<<<<<<<<<<

QAH? = HOW HIGH ARE YOU?
QAK? = IS THERE RISK OF COLLISION?
QAL? = ARE YOU GOING TO LAND?
QAM? = WX FOR X IS?
QAN? = WHAT IS THE SURFACE WIND?
QAO? = WHAT ARE WINDS AT MSL?
QAP? = LISTEN FOR ME ON (FQ)?
QAQ? = ARE YOU NEAR A PROHIBITED AREA?
QAR? = SHALL I STOP LISTENING TO (FQ)?
QAU? = ARE YOU GOING TO JETTISON FUEL?
QAV? = CAN YOU USE YOUR DF EQUIPMENT?
QAY? = ADVISE YOU WHEN I'M AT ... ?
QAZ? = ARE YOU FLYING IN A STORM?
QBC? = WHAT IS THE WX UP THERE?
QBF? = ARE YOU FLING IN CLOUDS?
QBG? = ARE YOU FLYING ABOVE CLOUDS?
QBH? = ARE YOU FLYING BELOW CLOUDS?
QBI? = ARE IFR REQUIRED?
QBM? = HAS X SENT ANY MSGS FOR ME?
QBS? = MOVE TO ... BEFORE GOING IFR?
QBT? = AM I MISSING DOTS?
QBX? = HAVE YOU LEFT ... ?
QCB? = CAUSING DELAY IN COMMUNICATIONS?
QCE? = WHEN MAY I HAVE CLEARANCE?
QCS? = COPY ON (FQ) BROKEN DOWN?
QDR? = WHAT'S MY MAGNETIC BEARING ?
QDX? = HAVE YOU TAKEN CONTROL?
QFE? = WHAT IS BAROMETIC READING?
QFG? = AM I OVER THE AIRPORT?
QFH? = MAY I DESCEND BELOW CLOUDS?
QFM? = HOW HIGH SHOULD I FLY?
QGJ? = KEEP COMMUNICATIONS TO MINIMUM?
QGZ? = HOLD ON ?
QHH? = EMERGENCY LANDING?
QIC? = MAKE CONTACT WITH X?
QIF? = X IS USING FREQ (FQ)?
QIG? = CHECK ANTENNA SYSTEM?
QJE? = UR FSK (1)WIDE(2)NARROW(3)OK?
QJH? = RUN TEST TAPE?
QLH? = WILL YOU SEND ON A & B TOGETHER?
QMH? = GOTO FQ, NO COPY, BACK 15 MINS?
QMU? = TEMPERATURE IS (DEGS)?
QRA? = WHAT IS YOUR CALL?
QRB? = HOW FAR AWAY ARE YOU?
QRD? = WHERE ARE YOU GOING AND FROM?
QRE? = ETA IS (TIME)?
QRF? = ARE YOU RETURNING TO ... ?
QRG? = WHAT IS MY EXACT FREQUENCY?
QRH? = DOES MY FREQUENCY DRIFT?
QRI? = HOW IS MY TONE?
QRJ? = DO YOU COPY ME POORLY?
QRK? = WHAT IS MY READABILITY(Q1-Q5)?
QRL? = ARE YOU BUSY? (FREQ IN USE?)
QRM? = IS THERE INTERFERENCE ON ME?
QRN? = DO YOU HAVE STATIC?

QRO? = SHALL I INCREASE POWER?
QRP? = SHALL I DECREASE POWER?
QRQ? = SHALL I SEND FASTER?
QRR? = READY FOR AUTOMATIC XMISSION?
QRS? = SHALL I SEND SLOWER?
QRT? = SHALL I STOP SENDING?
QRU? = YOU HAVE NOTHING MORE ?
QRV? = ARE YOU READY?
QRW? = TELL X I'M CALLING ON (FQ)?
QRX? = WHEN WILL YOU CALL AGAIN?
QRY? = WHAT IS MY TURN?
QRZ? = WHO IS CALLING ME?
QSA? = WHAT IS MY STRENGTH? (S1-S9)
QSB? = IS THERE FADING?
QSC? = ARE YOU A CARGO VESSEL?
QSD? = IS MY KEYING DEFECTIVE?
QSG? = HOW MUCH TRAFFIC AT ONCE?
QSI? = UNABLE TO BREAK IN?
QSK? = DO YOU HAVE FULL BREAK-IN?
QSL? = DO YOU ACKNOWLEDGE?
QSM? = SHALL I REPEAT LAST MESSAGE?
QSN? = DID YOU HEAR ... ON ?
QSO? = CAN YOU CONTACT?
QSP? = WILL/CAN YOU RELAY?
QSQ? = IS THERE A DOCTOR THERE?
QSU? = SEND/REPLY ON THIS FREQUENCY?
QSV? = SHALL I SEND "VVV"?
QSW? = ZERO BEAT THIS FREQUENCY?
QSX? = LISTEN FOR X ON FREQ F?
QSY? = SHALL I CHANGE FREQUENCY?
QSZ? = SHALL I REPEAT WORDS TWICE?
QTA? = CANCEL MESSAGE?
QTB? = AGREE WITH MY WORD COUNT?
QTC? = WHAT TRAFFIC DO YOU HAVE?
QTE? = WHAT DIRECTION AM I FROM X?
QTF? = WHAT IS MY POSITION?
QTG? = SEND TWO 10 SEC DASHES & CALL
QTH? = WHAT IS YOUR LOCATION?
QTI? = WHAT IS TRUE TRACK?
QTJ? = HOW FAST ARE YOU GOING? (CW)?
QTK? = WHAT IS YOUR GROUND SPEED?
QTL? = WHAT DIRECTION ARE YOU GOING?
QTN? = WHEN DID YOU LEAVE?
QTO? = ARE YOU IN MOTION?
QTP? = ARE YOU COMING TO A STOP?
QTQ? = CAN YOU USE Q-CODE?
QTR? = WHAT IS THE CORRECT TIME?
QTS? = SEND CALL FOR FREQ. MEASURE?
QTU? = WHEN ARE YOU ON THE AIR?
QTV? = SHALL I STAND GUARD ON FREQ?
QTX? = KEEP YOUR STATION OPEN?
QUA? = HAVE YOU NEWS OF X?
QUC? = WHAT IS NUMBER OF LAST MSG ?
QUD? = YOU HEAR URGENT SIGNAL OF X?
QUF? = YOU HEAR DISTRESS CALL OF X?
QUG? = WILL YOU BE FORCED TO LAND?
QUH? = WHAT IS BAROMETRIC PRESSURE?
QUI? = ARE YOUR LIGHTS WORKING?

QUJ? = WHERE ARE YOU FROM ME?
QUK? = CONDITION OF SEA AT ... ?
QUL? = WHAT IS SWELL AT ... ?
QUM? = HAS DISTRESS TRAFFIC ENDED?
QUN? = EVERYONE TELL ME WHERE YOU ARE?
QUO? = SHALL I SEARCH FOR ?
QUQ? = TURN MY SEARCHLIGHT ON ?
QUR? = DO SURVIVORS HAVE ?
QUS? = SIGHTED WRECKAGE OR SURVIVORS?
QUT? = IS LOCATION MARKED?
QUU? = SHALL I DIRECT YOU TO ME?
QUV? = WHAT IS MAGNET BEARING FROM YOU?
QUX? = WHAT MAGNETIC COURSE TOWARD YOU?

***** NET Q-SIGNALS *****

QNA* = ANSWER IN PREARRANGED ORDER
QNB* = RELAY BETWEEN X AND Y
QNC = ALL NET STATIONS COPY
QND* = NET IS DIRECTED
QNE* = ENTIRE NET STAND BY
QNF = NET IS FREE (OVER)
QNG* = TAKE OVER NET CONTROL
QNH = YOUR NET FREQ IS HIGH
QNI = CHECK(ING) INTO NET
QNJ = CAN YOU COPY X ?
QNK* = SEND TFC FOR X TO Y
QNL = YOUR NET FREQ IS LOW
QNM* = YOU ARE QRM'ing NET
QNN = NET CONTROL IS X
QNO = LEAVING NET
QNP = UNABLE TO COPY X
QNQ* = GOTO FREQ F, WAIT FOR X, SEND Y
QNR = ANSWER X AND TAKE TRAFFIC
QNS* = LIST OF STATIONS IN NET
QNT = TEMPORARILY LEAVING NET
QNU* = NET HAS TRAFFIC FOR YOU
QNV* = CALL X HERE, MOVE TO FQ, SEND..
QNW = HOW DO I ROUTE MSGS FOR
QNX* = EXCUSED FROM NET
QNY* = MOVE TO FQ, CLEAR WITH X
QNZ = ZERO BEAT MY FREQUENCY
>>> * FOR NET CONTROL USE ONLY

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>>>>>>>>> Z - SIGNALS <<<<<<<<<<

ZAA = UR NOT OBSERVING DISCIPLINE
ZAB = YOUR KEY IMPROPERLY ADJUSTED
ZAC = ADVISE CALL/FREQ UR COPYING
ZAD = SIG (1)NOT USTOOD (2)NOT HRD
ZAE = UNABLE TO RECEIVE YOU
ZAF = REROUTE CIRCUIT BY PATCHING
ZAH = UNABLE TO RELAY. WE FILE
ZAI = RUN (foxes, mk, etc)
ZAJ = HAVE BEEN UNABLE TO BREAK YOU
ZAK = ALTER YOUR WAVELENGTH
ZAL = CLOSING DOWN DUE TO
ZAN = RECEIVE ABSOLUTELY NOTHING
ZAO = CAN'T UNDERSTAND VOICE-USE CW!

ZAP = PLEASE ACKNOWLEDGE
ZAQ = LAST WORD RX(TX) WAS
ZAR = REVERT TO AUTOMATIC RELAY
ZAS = RERUN TAPES
ZAT = PUNCHING TAPE FOR TRANSMISSION
ZAV = SEND BLIND UNTIL ADVISED
ZAX = YOU ARE CAUSING INTERFERENCE
ZAY = SEND ON FREQ. WILL CFM LATER
ZBA = CAUSE OF DELAY IS
ZBD = FOLLOWING WAS SENT
ZBE = RETRANSMIT MESSAGE
ZBG = YOU ARE SENDING UPPER CASE
ZBH = CALL BEFORE SENDING TRAFFIC
ZBI = LISTEN FOR TELEPHONY
ZBL = DO NOT USE BREAK IN
ZBM = PUT (speed opr) ON THIS FREQ
ZBN = YOUR TAPE REVERSED
ZBO = I HAVE TRAFFIC
ZBP = (1)BAD LETTERS (2)BAD SPACING
ZBQ = WHEN & FREQ WAS MSG RCVD
ZBR = SHALL I SEND BY
ZBS = (1)HEAVY DOTS (2)LIGHT DOTS
ZCA = MAKE READABLE SIGNALS
ZCB = CIRCUIT BROKEN. SIGS UNHEARD
ZCC = COLLATE CODE
ZCD = YOUR COLLATION IS DIFFERENT
ZCF = CHECK YOUR CENTER FREQUENCY
ZCI = CIRCUIT INTERRUPTED
ZCK = CHECK KEYING
ZCL = TRANSMIT CALL LETTERS
ZCO = YOUR COLLATION OMITTED
ZCP = CONDX MIN, INCREASE TO MAX
ZCR = MAKE WARNING SIGNALS
ZCS = CEASE SENDING
ZCT = SEND CODE TWICE
ZCW = R U IN CONTACT WITH
ZDA = FORMAL MESSAGE
ZDB = EXPEDITE REPLY TO MY
ZDC = DIAGNOSING CIRCUIT FAULTS
ZDE = MESSAGE UNDELIVERED
ZDF = FREQUENCY IS DRIFTING
ZDG = ACCURACY OF FOLLOWING DOUBTFUL
ZDH = YOUR DOTS ARE TO HEAVY (LONG)
ZDL = YOUR DOTS ARE TO LIGHT (SHORT)
ZDM = YOUR DOTS ARE MISSING
ZDN = REPORT DISPOSAL OF MSG
ZDQ = MSG...RLYD TO...
ZDS = MSG IN ERROR. CORRECT FOLLOWS
ZDT = TX EXERCISE MSG WHEN ADVISED
ZDV = YOUR DOTS VARYING IN LENGTH
ZDY = NO PVT MSGS UNTIL ORDERED
ZEC = HAVE YOU RCVD MSG...
ZED = EXPERIENCING DROP OUTS
ZEF = EXPERIENCING FILL INS
ZEG = EXPERIENCING GARBLES
ZEI = ACCURACY OF HEADING DOUBTFUL
ZEK = NO ANSWER REQUIRED
ZEL = THIS MSG CORRECTION TO...

ZEN = THIS MESSAGE IS CLASSIFIED
ZEP = PARTS MARKED ZEP FOLLOW LATER
ZEU = EXERCISE/DRILL MSG
ZEV = ACKNOWLEDGE RECEIPT
ZFA = FAILING AUTO
ZFB = SIGS FADING BADLY
ZFC = CHECK YOUR FREQ SHIFT
ZFD = DEPTH OF FADING (1 to 5)
ZFF = ADVISE WHEN MSG RCVD BY...
ZFH = MSG 4 (1)ACTION(2)INFO(3)REPLY
ZFI = REPLY TO MSG? NO REPLY
ZFK = GO TO FSK
ZFO = SIGS FADED OUT
ZFQ = FREQ SHIFT UR SIGS IS
ZFR = RAPID FADING (1 to 5)
ZFS = SIGS FADING SLIGHTLY
ZGB = SEND/ANSWER
ZGF = ...SIGS GOOD FOR ... WPM
ZGP = PLEASE GIVE PRIORITY
ZGS = YOUR SIGS GETTING STRONGER
ZGW = YOUR SIGS GETTING WEAKER
ZHA = HOW ARE CONDITIONS?
ZHC = HOW ARE YOUR RCVING CONDX?
ZHM = HARMONIC RADIATION FROM TX
ZHS = SEND HIGH SPEED ... WPM
ZHY = WE ARE HOLDING YOUR
ZIM = INDUSTRY/MEDICAL INTERFERENCE
ZIP = INCREASE POWER
ZIR = YOU HAVE STRONG IDLE SIGNAL
ZIS = ATMOSPHERIC INTERFERENCE
ZJF = FREQ JUMPING (1 to 5)
ZKA = WHO IS CONTROLLING STN...?
ZKB = PERMISSION NECESSARY TO TX
ZKD = TAKE NET CONTROL
ZKE = REPORT INTO NET
ZKF = STATION LEAVES NET TEMPORARILY
ZKJ = CLOSING DOWN UNTIL
ZKO = REVERT TO ON/OFF KEYING
ZKR = I AM KEEPING WATCH
ZKS = WAT STNS KEEPING WATCH ON....
ZKW = KEYING WEIGHT IS
ZLB = GIVE LONG BREAKS
ZLD = YOUR SENDING LONG DASHES
ZLL = LANDLINE CONTROL DISTORTED
ZLP = GO TO LOW POWER
ZLS = LIGHTNING STORM HERE!!!!!!
ZMG = MAGNETIC ACTIVITY
ZMO = STANDBY A MOMENT
ZMP = MISPUNCH/PERFORATOR FAILURE
ZMQ = STAND BY FOR
ZMU = MULTIPATH
ZNB = NO BREAKS, WILL SEND TWICE
ZNC = NO CONTACT WITH
ZND = YOU ARE MISSING AUTHENTICATOR
ZNG = RCVING CONDX NO GOOD FOR CODE
ZNI = NO CALL LETTERS (ID) HEARD
ZNN = ALL CLEAR OF TRAFFIC
ZNO = ON THE AIR

ZNR = NOT RECEIVED
ZNS = HERE IS NEW SLIP
ZOA = HAVE CK'D CALL.... IS OK
ZOC = RELAY TO YOUR SUBSTATIONS
ZOD = RELAY BETWEEN ME AND
ZOE = RELAY?/WILL RELAY
ZOF = RELAY THIS MESSAGE
ZOG = SEND YOUR MESSAGE/INFO
ZOH = WHAT TRAFFIC DO YOU HAVE
ZOK = WE ARE RECEIVING ALL OK
ZOL = OK, I'M ON LINE
ZOM = MAIL DELIVERY POSSIBLE
ZOR = TRANSMIT ONLY REVERSALS
ZOU = GIVE ROUTING INSTRUCTIONS FOR
ZOZ = GET MSG RETRANSMITTED
ZPA = YOUR SPEECH DISTORTED
ZPC = SIGNALS FADING (1 to 5)
ZPE = PUNCH EVERYTHING
ZPF = PRINT MOTOR IS FAST
ZPO = SEND PLAIN ONCE
ZPP = PUNCH PLAIN ONLY
ZPR = RERUN SLIP
ZPS = PRINT MOTOR IS SLOW
ZPT = SEND PLAIN TWICE
ZRA = FREQ OK? UR FREQ OK
ZRB = CHECK UR FREQ ON THIS CIRCUIT
ZRE = HEAR YOU BEST ON FREQ...
ZRF = SEND TUNING SIGS ON FREQ
ZRK = REVERSED KEYING
ZRL = RERUN SLIP
ZRM = REMOVE MODULATION FROM
ZRN = ROUGH NOTE
ZRO = ARE YOU RECEIVING OK???
ZRR = RUN REVERSALS
ZRS = RERUN MESSAGE #...
ZRT = REVERT TO TRAFFIC
ZRY = RUN TEST SLIP PLEASE
ZSF = SEND FASTER
ZSH = STATIC HEAVY HERE
ZSI = WHAT IS MY SIGNAL STRENGTH?
ZSM = RX INPUT ISmicroVOLTS
ZSN = GIVE SINPO REPORT ON....
ZSO = TRANSMIT SLIPS ONCE
ZSR = YOUR SIGS STRONG & READABLE
ZSS = SEND SLOWER
ZST = TRANSMIT SLIPS TWICE
ZSU = YOUR SIGS UNREADABLE
ZSV = YOUR SPEED VARYING
ZTA = TRANSMIT BY AUTO
ZTH = TRANSMIT BY HAND
ZTI = XMSN TEMPORARILY INTERRUPTED
ZUA = CONDX NO GOOD FOR AUTOMATIC
ZUB = WE HAVE BEEN UNABLE TO BK YOU
ZUC = UNABLE TO COMPLY
ZUE = AFFIRMATIVE (YES)
ZUG = NEGATIVE (NO)
ZUH = UNABLE TO COMPLY
ZUJ = WAIT, STANDBY

ZVB = VARYING BIAS
ZVF = SIGS VARYING IN FREQUENCY
ZVP = SEND V'S PLEASE
ZVR = PASS AT ONCE TO SUBSTATIONS
ZVS = SIGS VARYING IN STRENGTH
ZWB = NAME OF OPERATOR ON WATCH
ZWC = WIPERS OR CLICKS HERE
ZWO = SEND WORDS ONCE
ZWR = YOUR SIG WEAK BUT READABLE
ZWS = WAVELENGTH IS SWINGING
ZWT = SEND WORDS TWICE
ZXF = YOU ARE FLOATING FAST
ZXJ = YOU ARE JUMPING OUT OF PHASE
ZXP = GO AHEAD WITH PIX
ZXS = YOU ARE FLOATING SLOW
ZXV = YOUR MODULATION IS VARYING
ZYS = WHAT IS YOUR SENDING SPEED?
ZZF = INCORRECT
ZZG = YOU ARE CORRECT
ZZH = TRY AGAIN

>>>>>>>>> Z - SIGNALS <<<<<<<<<<<

Z-CODE NUMBERS MEAN ===>>

- (1) VERY SLIGHT
- (2) SLIGHT
- (3) MODERATE
- (4) SEVERE
- (5) EXTREME

>>>>>>>>> Z - SIGNALS <<<<<<<<<<<