



founded 1970

# THE BULLSHEET

Official News Bulletin of the

Texas DX Society

An ARRL Affiliated Club



February, 1987  
Volume XI  
Number 2

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## MAGIC ISLAND PARTY

Great fun was had at the annual TDXS "Christmas" party which was held at Magic Island again this year. The party started with cocktails and a "mini magic show" in one of the smaller show rooms. The magician was Frank Price who told the audience that he was a lawyer by day and a magician at night. No one guessed that he is also a district judge hearing criminal cases in Harris County. He previously held a post as a appeals judge on one of the courts of appeals.

After the cocktail hour we were treated to a great meal of prime rib with baked potato, veggies and a salad. Our fearless leader and our past Prez inflicted a couple of short speeches and then the "awards" were given.

Dave, K5GN won the "Nag" award for his conduct at multi-multi parties. Dr. Bill (Tuna), won a science award and Joe, W5ASP was awarded the dictator of the year" award. Chuck, KE5FI got the "Pottie Portable" award for constant gab on the repeater. Jan, K5MA won a lobster, the significance of which escapes us now. The coveted "Yaggie ona Roll - DX Hog of the Year: trophy will hang in K2TNO's shack this year. It seems that it's last holder allowed a colony of roaches to take up residence inside the roll so weakening its structure that its unsure if the trophy will last another year. Of course the harsh environment of Tuna's garage shack won't help either.

CONTINUED ON PAGE 4



This audience enjoyed Judge Frank Price

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TDXS Officers and Contributors

|                   |                       |                     |                       |
|-------------------|-----------------------|---------------------|-----------------------|
| President:        | K5TU Kim Carr         | Repeater Chairman:  | NM5M Eric Silverthorn |
| V. President:     | K5GN Dave McCarty     | Bullsheet Editor:   | KE5FI Chuck Dietz     |
| Secretary:        | KE5IV Ken Grabenstein | Legal Chairman:     | KN5A Al Vacek         |
| Treasurer:        | KG5U Dale Martin      | Field Day Chairman: | K2TNO Bill Schrader   |
| Contest Chairman: | NT5D Brent Levit      | DX Chairman:        | WI5P Bill Wibker      |

Contributors: K5TU, KN5H, NT5D, WI5P, W5DOZ and KE5FI

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ANNOUNCEMENTS

MEETING NOTICE- The Texas DX Society meets the second Friday of each month at the Bellaire Hospital Professional Building, 6550 Maple Ridge at 7:30 P.M.

BULLSHEET MAILING LIST- The Club provides the Bullsheet free of charge to all amateurs with an interest in DX and Contests. To subscribe, send your name and address to TDXS, P.O. Box 540291, Houston, Texas 77254-0291.

BULLSHEET ARTICLES- Articles and other newsworthy items are hereby solicited by the editor. Please send them to Chuck Dietz, KE5FI, 1520 Geosource Plaza, 2700 Post Oak Blvd., Houston, Texas 77056. The Bullsheet is assembled on an IBM computer using the "Wordstar" word processing program. If articles can be submitted on a disk it would be greatly appreciated. For further information call (713) 623-8171.

WEEKLY DX AND CONTEST NET- TDXS sponsors a weekly DX and Contest net on our 147.36/147.96 repeater each Thursday night at 9:00 P.M. The purpose of the net is to exchange DX, contest and club information. Participation is limited to members and non-members only. Your active support of this net is welcomed.

"NOT FOR SALE"  
(AT LEAST NOT VIA HAM RADIO)  
(de Lee, W5DOZ)

Evidently K1UGM has been cited by the FCC monitoring station in Maine with regard to his operation of a packet bulletin board. The board contained a message from an individual desiring to sell a couple of disk drives. The notice said:

"To K1UGM:

The transmission or delivery of third-party traffic involving material compensation either tangible or intangible, direct or indirect, to a third party, a station licensee, control operator, or another person is prohibited.... Down loading the message "Disk Drives For Sale" would be a violation of section 97.114(B)."



# MADISON WINTER SIZZLERS

New rigs and old favorites, plus the best essential accessories for the amateur.

3621 FANNIN ST  
HOUSTON, TX 77004-3913

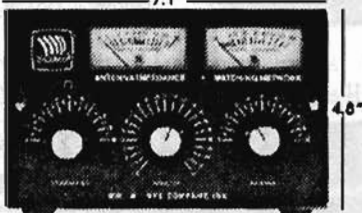
CALL FOR ORDERS  
1-713-520-7300 OR  
1-713-520-0550

ALL ITEMS ARE GUARANTEED OR SALES PRICE REFUNDED



## EQUIPMENT

|                                    |                      |
|------------------------------------|----------------------|
| Kenwood TH20SAT                    | Trade in your old HT |
| Kenwood TS940S, contesters delight | Call for trade       |
| Kenwood TS 440                     | Call for trade       |
| Icom R7000 25-2000 MHz             | 949 00               |
| Icom IC3200A                       | 519 00               |
| Santec ST20T Handi Talkie          | 289 00               |
| Icom IC735                         | 879 00               |
| Ten-Tec 25 10 (Easy OSCAR)         | 439 00               |
| KDK FM 240                         | 279 00               |
| Mirage Amps                        | 15% OFF              |
| Tokyo Hy-Power HL1K AMP No 4CX250B | 699 00               |



NYE MB102 Tuner 189 00

## ACCESSORIES

|   |        |
|---|--------|
| B&W VIEWSTAR ANTENNA TUNER                                | 89 95  |
| Hell HC3/HC4/HC5  | Stock  |
| Hell BM10 Boom Mike headset                               | CALL   |
| CSI Private Patch III                                     | 469 95 |
| Triplet 3360 VOM (same as FLUKE 77)                       | 69 00  |
| Drawa NS660A 30/300/3000 watts                            | 135 00 |
| Ainco ELH 230D- Excellent buy                             | 88 00  |
| Nye MB5-A (for the big boys!)                             | 529 00 |
| Shure 444D  | 54 95  |
| Ameco PT-2  | 84 95  |
| New Tokyo HC 200A   | 115 00 |
| Miller C514T Low pass filter                              | 43 50  |
| B & K Test Equipment VOM, oscilloscopes, generators, etc. | CALL   |
| Tripp 25A/12VDC Supply (16A continuous)                   | 99 00  |
| Net-Tech Labs Digital Voice Keyer DVK 100                 | 335 00 |
| Asiatic Silver Eagle & Base                               | 60 00  |

## BEUDEN

|  |         |
|--|---------|
| 9913 low loss, solid center, foil/braid shield | 51c/ft  |
| 8214 RGH Foam                                  | 45c/ft  |
| 8237 RGH                                       | 39c/ft  |
| 8267 RG213                                     | 55c/ft  |
| 8000 14 Ga stranded copper ant. wire           | 13c/ft  |
| 8448 B conductor rotor cable                   | 33c/ft  |
| 9405 Heavy duty 2-18 Ga 8-18 Ga                | 56c/ft  |
| 9258 RGHx                                      | 20c/ft  |
| 9269 RG-62A/U                                  | 16c/ft  |
| 8403 Mic Cable, 3 conditr & shield             | 45c/ft  |
| 100 feet 8214 wends installed                  | 54 00   |
| 8669 7/16" tinned copper braid                 | 1.00/ft |

## AMPHENOL

|                                    |      |
|------------------------------------|------|
| 831SP-PL259 Silverplate            | 1.25 |
| UG176 reducer RGHX                 | .30  |
| 831J Double Female UHF             | 2.00 |
| 82-61 N Male                       | 3.00 |
| 82-97 N Female Bulkhead            | 3.00 |
| 82-63 Inline Female N              | 4.00 |
| 82-98 N elbow                      | 9.00 |
| 31-212 BNC-RG59                    | 1.50 |
| 31-216 UG201 AVU N Male BNC Female | 2.30 |
| 31-2 BNC RG58                      | 1.50 |
| 34025 N Male, RG58                 | 3.00 |
| 24125 N Female UHF male            | 9.00 |
| 3128 BNC Female-PL259              | 3.00 |
| Fox N Male Connector (Fits 9913)   | 4.50 |

## PACKET POWER

|                                    |        |
|------------------------------------|--------|
| AEA PK-232                         | 299 00 |
| Kamtronics KPC 2400                | 299 00 |
| Kamtronics 2400                    | 139 00 |
| Kamtronics Packet II               | 149 00 |
| MFJ 1270                           | 125 00 |
| AEA PM-1                           | 149 00 |
| New AEA UDC-232 Firmware, No Modem |        |
| List 279 00                        | 249 00 |
| New Kamtronics RAM                 | 299 00 |



IC2BA List 429 Your Cost 369 00

## ANTENNAS

|  |               |
|--|---------------|
| Isopole 144 MHz                                      | 44 95         |
| AOP-1, Complete Oscar Antenna                        | 149 95        |
| Butternut HF6V, 80-10 vertical                       | 125 00        |
| HF2V, 80 & 40 vertical                               | 119 00        |
| HF4B   | 189 00        |
| Hustler G7-144                                       | 119 95        |
| Hustler 68TV   | 139 00        |
| KLM HF World Class Series Antennas                   | Call Don      |
| Alpha Delta Twin Sloper                              | 49 00         |
| Coax Seal  | 2 00/roll     |
| B&W Dipoles  | Less 10%      |
| KLM KT 34A   | 399 00        |
| W2AU, W2DU   | Now Available |
| Cushcraft AP 8, 8 band vehicle includes 3 WARC bands | CALL          |
| Cushcraft 124-WB 4 element boomer                    | 33 00         |
| NEW KLM 1-2-4-LBX                                    | 129 00        |
| 1296 Power Divider                                   | Soon          |
| Oron CD-78 + BS 80 75/80 rotatable dipole            | 299 00        |

## OTHER ANTENNAS

|                                    |        |
|------------------------------------|--------|
| Diamond D-130 Disccone 25-1300 MHz | 79 00  |
| Larsen Kulduck                     | 17 00  |
| Larsen 440 HW 1/2 wave Kulduck     | 25 00  |
| Larsen 2M 1/2 wave telescope ant   | 25 00  |
| Avant AP151 3G on Glass Antenna    | 36 00  |
| Anteco 2M, 5/8, Mag Mount, Comp    | 25 00  |
| Avant APR450 5G on glass           | 39 00  |
| Oron 2M 1/2 wave Handy Antenna     | 19 00  |
| Van Gordon SLA-1 160-80-40 Sloper  | 44 00  |
| Valor AB 5 Mobile                  | 79 95  |
| Stoner DA100 D Active Rx Antenna   | 190 00 |
| DC Tenna Hitch 3/8 24 Thread       |        |
| Fits 3/4" trailer hitches          | 29 95  |

## KEYS

|  |          |
|--|----------|
| Bencher & Vibroplex  | Less 10% |
| Bencher is now improved Screws & springs, all stainless steel and extra hand polishing |          |
| Nye ESK-001 Keyer  | 58 00    |

## TUBES

|                                    |        |
|------------------------------------|--------|
| Collins & Drake Replacement tubes  | Stock  |
| GE 6146B                           | 11 95  |
| 3-500Z                             | 109 95 |
| GE Industrial Tubes                | Call   |
| GE 12BY7A                          | 7 00   |
| GE 6JS6C                           | 12 95  |
| GE 8950                            | 14 00  |
| 12JB6 SYLVANIA                     | 6 00   |
| Hard to find Tubes 50-90% off list |        |
| 6JB6A                              | 9 95   |
| 6JE6C/6LO6                         | 9 95   |

## BOOKS

|   |       |
|---|-------|
| We stock SAMS, TAB, ARRL, RSGB, Ameco Radio     |       |
| Pubs  | Call  |
| New 1987 Radio Database Book - International SW |       |
| plus reviews                                    | 12 95 |

## PARTS

|  |                       |
|--|-----------------------|
| 24 Pin Solderless dip sockets                  | 25/each               |
| 150MFD/400V DC                                 | 1 95                  |
| 1.5 Amp/100V full wave bridge rectifier        | 1 95                  |
| 2.5A/1000PIV Epoxy diode                       | 29 each or 19 00/1000 |
| 0015/10KV or 00120KV                           | 1 95 each             |
| 1N201  | 95                    |
| 4 inch terminals rod                           | 1 95                  |
| 365pF cap                                      | 1 95                  |
| Sanyo AAA, AA Nicads w/flash                   | 2 00                  |
| 2, 4, 5, 6, 8 pin mic plugs                    | 3 00                  |
| 1/8, 1/4 watt carbon resistors                 | 05 each               |
| Masterco 3000 VDC 2 1/2" Square 0.1 Amp DC     | 9 95                  |
| Orion - Collins analog plug                    | 2 00                  |
| Masterton toppers, 5A/125VAC                   | 1 50 each             |
| Thousands of passiv meters                     | 3 95 up CALL          |
| MICA Cap 00043KV                               | 5 00 others CALL      |
| Close out on rings & accessories. All the time | Call                  |
| We may have what you're looking for            |                       |
| Diodes 2x1 1000 PIV                            | 29                    |
| Duracell 7 Volt Battery - 2 Pack 194984        | 8 95                  |
| DC Fan 110" 8" x 1"                            | 6 95                  |

## SERVICES

|                               |       |
|-------------------------------|-------|
| Alignment, any late model rig | 50 00 |
| Flat fee Collins rebuild      | Call  |

## USED EQUIPMENT

All equipment used, clean, with 90 day warranty and 30 day trial. Six months full trade against new equipment. Sale price refunded if not satisfied.

|                      |          |
|----------------------|----------|
| KWM 380/2CW          | 2 200 00 |
| ETO/ALPHA 77. Clean  | 3 800 00 |
| ICOM IC 745          | 650 00   |
| Ten-Tec 505 Argonaut | 195 00   |
| YAESU FT 101E        | 395 00   |
| YAESU FT 901 DM/CW   | 600 00   |
| Kenwood TS 830S/CW   | 650 00   |
| TS-430S/ecc          | 650 00   |
| TS-520S              | 395 00   |
| Drake TR4cw, clean   | 300 00   |

## POLICIES

Minimum order \$10 00. Mastercard, VISA, or C.O.D. All prices FOB Houston, except as noted. Prices subject to change without notice. Items subject to prior sale. Call any time to check the status of your order. Texas residents add sales tax. All items full factory warranty plus Madison warranty.

## DON'S CORNER

Contest best DX 10, 24 MHz is still on Winner next month! Export hy-gain rotor repair - John Jarvis, WN5P 1-713-482-2000

# BIRD

## STOCK ITEMS CALL

| Power Range | Frequency Bands (MHz) |       |        |         |          |          |
|-------------|-----------------------|-------|--------|---------|----------|----------|
|             | 3-30                  | 35-50 | 58-121 | 100-250 | 200-1000 | 400-1600 |
| 3 watts     | -                     | 5A    | 5B     | 3C      | 1D       | 1E       |
| 10 watts    | -                     | 10A   | 10B    | 10C     | 10D      | 10E      |
| 25 watts    | -                     | 25A   | 25B    | 25C     | 25D      | 25E      |
| 50 watts    | 50A                   | 50A   | 50B    | 50C     | 50D      | 50E      |
| 100 watts   | 100A                  | 100A  | 100B   | 100C    | 100D     | 100E     |
| 250 watts   | 250A                  | 250A  | 250B   | 250C    | 250D     | 250E     |
| 500 watts   | 500A                  | 500A  | 500B   | 500C    | 500D     | 500E     |
| 1000 watts  | 1000A                 | 1000A | 1000B  | 1000C   | 1000D    | 1000E    |
| 2500 watts  | 2500A                 |       |        |         |          |          |
| 5000 watts  | 5000A                 |       |        |         |          |          |

# MADISON

Electronics Supply

3621 FANNIN  
HOUSTON, TEXAS 77004  
1-713-520-7300 OR 1-713-520-0550

New ICOM! Call for the IC 2B4T, IC 9BA, IC 9P4T



an ARRL Handbook and Amy McCarty took home the ladies' door prize. The Club would like to thank the prize donors including Madison Electronics and City Electronics.



Dr. Bill "Tuna" Schrader, K2TNO gets it from Dennis, KZ5M.



Yes, Terrible Tom, K5RC came too, all the way from his new home in Big D. Here he's talking to Mary Beth



Amy McCarty, XYL of Dave, K5GN, gets the goods

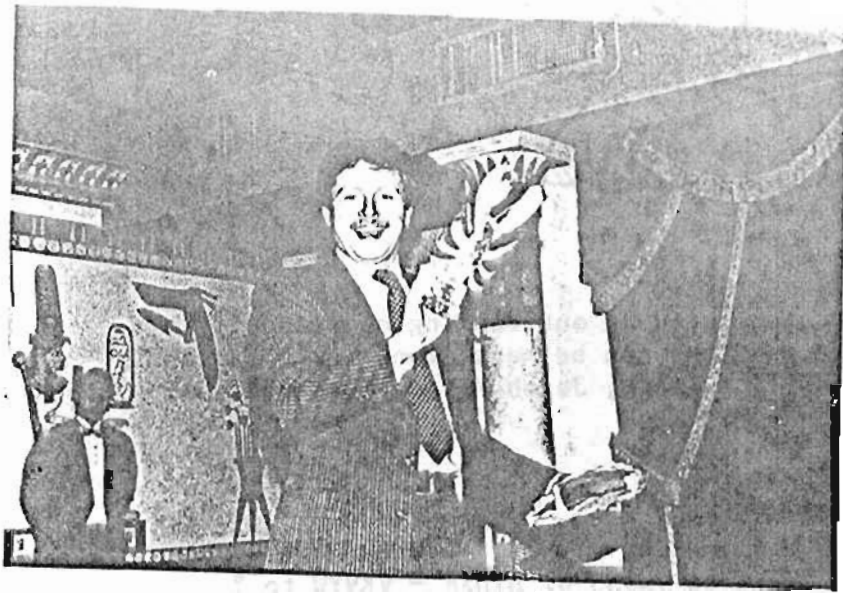


The walls were covered with "ancient" symbols.

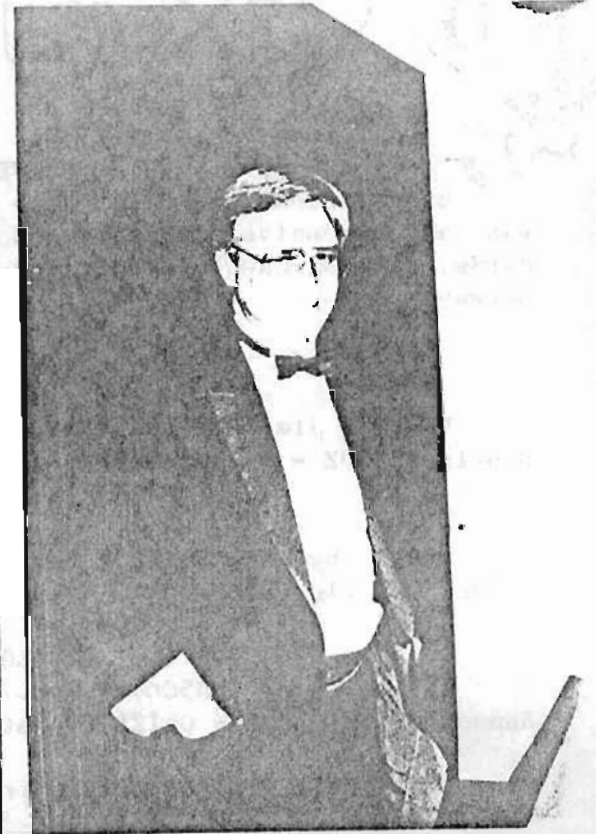


Chuck, KE5FI and his guest, Elise laugh at the antics.





Jan, K5MA and his lobster.



Our lawyer-judge magician Frank Price before the audience.



Bill, K2TNO holding the coveted "Yaggy ona Roll" which is no longer all that it appears.



Joe, W5ASP, awards the Handbook to Brent, NT5D.



Dave "The Nag" K5GN gets his garb from Hollie Motschenbacher.



PETER ONE ISLAND

3Y1EE Einar and 3Y2GV Kare have completed an outstanding operation. This was an expensive operation and contributions can be made along with ur QSL cards. LA-DX-GROUP (c/o Erling J. Wiig, LA6VM, Jacob Fayesv 6, N-0287 Oslo, Norway.

COCOS-KEELING

VK9YS, Jim Smith & VK9YW, Bob Winn - Feb. 10-24, 160-10 Mtrs & RTTY. Sunrise 2330Z - Sunset 1150Z - QSL - VK9YS to VK9NS or HIDXA - VK9YW to ?

CHRISTMAS ISLAND

VK9XS by Jim Smith - Feb. 24 - March 3, 160-10 & RTTY - SR 2300Z - SS 1110Z. QSL via VK9NS

LORD HOWE ISLAND

VK9LM, Rudi (DJ5CQ) - Feb. 8 - March 1, 80 & 40 Mtrs - Sunrise 1910Z - Sunset 0800Z - QSL - OE1ZL (Donations requested)

K3NA, Eric will be active from VK9L during ARRL DX CW (Feb. 21-22).

PETER and PAUL ROCKS

ZYOZSB & ZYOZSA Ron, PY1BVY and Paul, PY1Z - Feb. 20-28, 160-10 Mtrs. CW & SSB - QSL for both: Ron PY1BVY, Box 1502, 24000 Niteroi, Brazil

ANDAMAN and NICOBAR ISLANDS

VU4APR & VU4NRO Feb. 20 - End of March by as many as 20 VU ops. Should be active during in contest during stay.

AMSTERDAM ISLAND

FT8ZA 1850 UTC 14,028 1830 UTC 14,236 w/INDEXA.

GLORIOSO ISLAND

FR/G/FH4ED

1900 UTC 14,236 w/INDEXA  
2000 UTC 14,183 w/KA1DE

NIGER REPUBLIC

5U7/I2VA

1700 UTC 14,183 QSL I5GWO

OGASAWARA

JDIAMA active on 75 meters 3798 around 1300Z

MINAMI TORISHIMA

KA2CC, Charlie Feb. 13-21, QSL CBA

CHAD

TT8AQ 2055 UTC 14,236 w/INDEXA

MALAWI

7Q7LW 0400 UTC on 7,001 0315 UTC on 3,795 QSL G3JSU





PROPAGATION  
(de KE5FI)

Its official... The government finally agrees! NOAA now says we are in solar cycle 22. The "smoothed" numbers statistically show the bottom to be March, 1986, however, June, 1986 remains the single lowest month. Remember, you heard it here first!

Ed Tilton, W1HDQ who forecasts for the ARRL doesn't agree. Their "Propagation Forecast Bulletin Nr 2" issued January 12 from W1AW says:

"With solar cycle 21 now well into its 11th year, it is of interest to compare this cycle with its immediate predecessors."

I need to give Ed a subscription to the TDXS Bullsheat.

So you say, "Ok smart aleck, tell us when the bands will be good again." OK, here it is:

Clogans Nifty Solar Flux Predictions  
(1983 - 1986 are actual values)

|      | JAN | FEB | MAR | APR | MAY | JUN  | JUL | AUG  | SEP  | OCT | NOV | DEC |
|------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|
| 1983 |     | 120 | 117 | 120 | 137 | 143  | 129 | 128  | 110  | 112 | 90  | 91  |
| 1984 | 112 | 137 | 121 | 130 | 131 | 104  | 92  | 86   | 79   | 73  | 75  | 74  |
| 1985 | 72  | 72  | 73  | 76  | 82  | 79   | 81  | 73   | 70   | 74  | 73  | 72  |
| 1986 | 73  | 84  | 77  | 75  | 73  | 67.6 | 70  | 68.4 | 68.7 | 83  | 77  | 73  |
| 1987 | 73  | 73  | 74  | 75  | 75  | 76   | 76  | 77   | 78   | 79  | 80  | 80  |
| 1988 | 81  | 81  | 82  | 82  | 83  | 83   | 84  | 85   | 86   | 87  | 88  | 89  |
| 1989 | 90  | 91  | 92  | 93  | 94  | 95   | 96  | 97   | 97   | 96  | 95  | 95  |

I believe cycle 22 will peak around August or September, 1989 with a maximum of 100 or less. I am sure that there will be a month or two which will have a mean solar flux of over 100, but, when taken on the average, I think this cycle will peak with a "smoothed" flux of less than 100. You may remember that the last cycle peaked in December, 1979 with a "smoothed" number of 164.5.

All this is bad news for the VHF and 10 meter fans, but its definitely better than today. To answer the question specifically, it looks to me like the 87-88 contest season will be a repeat of 84-85 season, maybe even a little better.

From George I. Wagner, K5KG/LU

George will be QRV for TDXS in the ARRL DX CW contest, February 21 and 22 as follows. All times are Z:

| FREQ | 1,833 | 3,530 | 7,030 | 14,030 | 21,030 | 28,030 |
|------|-------|-------|-------|--------|--------|--------|
| TIME | 0600  | 0630  | 0500  | 2300   | 2000   | 1600   |
|      | 0700  |       |       |        |        | 1700   |

George will also try to be QRV each week, Tuesday evening (Wednesday morning, UTC) at 0100 on 14025 for any TDXS.

# IT SEEMS TO ME...

(de K5TH)

Each month, I'll compile some local trivia, gossip, pseudo-slander, editorializing and what have you under the title of "IT SEEMS TO ME...". Since we are all opinionated (most of all, me), feel free to contribute on your favorite subject.

Have you had enough of the policemen guarding our bands from evil doers on the 3Y frequencies? Heaven forbid that one of our fraternal group forgets that his A-B VFO switch is in the wrong position and transmits on the 3Y's frequency. A whole batallion of rubber lipped policemen will jump on his back, making rude remarks (including references to his ancestry) to the poor soul who is not even listening there anyway...If he was, he wouldn't have transmitted there in the first place!

How about the infamous INSURANCE CONTACT? Have you taken out your policy yet? Ever been burned by making a single contact on each band, only to have your QSL returned (without the greenstamp, of course) NIL? I had five QSO's rejected by Jim Smith for his C21 operation! Kinda chaps you where you sit, don't it? So we make the extra contact...or two...three is better than two, right? Oh hell, I wonder how he copies me this hour? Better than last hour? That poor schmuck with the vertical doesn't need the 3Y anyway. (Wonder what he did to Jim? - ed.)

If you've been listening, you've heard...NM5M got a very competitive job offer from another local FM station. KRBE must like him though, because they matched it...Our local Buick salesman bought out another big contest station. N5DU wants to go maritime mobile with the proceeds...KE5FI has big plans for the BULLSHEET...N5EA has a new daughter, complete with sleepless nights...W1SP invested more money in an AT compatible...For the first time in 10 years, W5JWM got excited about a new country...W5JQ is still looking for that big time oil find...K5LZO is trying a new grounding system for one of his towers, ala NM5M design...K5MA is still looking for a new QTH in SW Houston, but can't do much 'till the old one on Cape Cod sells...K5GN's motorboating 2M radio finally went TH, but Dave is back QRV thanks to a loaner ricebox from KG5U.

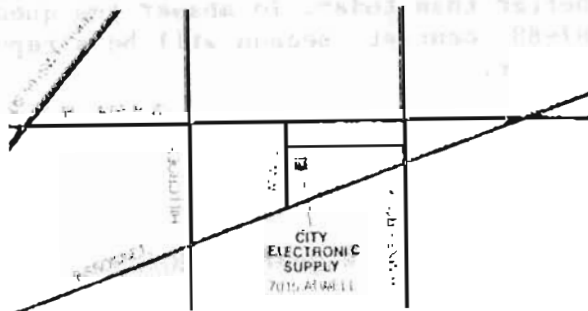


Actolph

Alex-WA5UHT

## CITY ELECTRONIC SUPPLY

Store Hours: Mon-Fri 9:00-5:00 Sat 9:00-12:00  
7015 Atwell  
Houston, Texas 77021 663-6066



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BATTERIES  
FUSES  
HEAT SHRINK TUBIN  
SOLDERLESS TERM'LS.  
TOOLS  
MAGAZINES  
CORDS



THE MEGAPOINT AWARD  
(de Steve, KN5H)

A few years ago I sponsored an inter-club awards program of sorts which was called the "TDXS Million Point Award". For one reason or another this wonderful plan fell into the proverbial crack and wasn't heard from again. Now with the decreasing sunspots and consequently, decreased contest morale, I feel its time to try again.

I will tabulate scores submitted by TDXS members for the major contests which have a club aggregate participation. When you have contributed 1 million points, you shall receive a TDXS 1 million point plaque. Sounds easy enough, doesn't it?

Here's some more info:

1. The following contests are to be included as "eligible":

- A. ARRL DX Contests
- B. CQ WW DX Contests
- C. North American Sprints
- D. CQ 160 Meter Contests
- E. CQ WW WPX Contests
- F. ARRL Sweepstakes
- G. Field Day
- H. Any others I think of later

2. If you operate at a Multi-op during a contest, the total score shall be divided equally amongst the crew.

3. Endorsements for 2, 5 and 10 million points as we go.

4. Complaints, suggestions and ideas shall be listened to if I want to and adopted if I like them.

The first contest of 1987 with a club competition will be the CQ WW 160 meter CW test, followed by the Sprints and the DX contests. Don't forget to mark your summary sheet with "TDXS"!

For those of you that worry about money and budgets and things like that, you will be happy (or unhappy) to know that you have already allocated some funds for this project but I never used them. In other words, this won't cost much so quit worrying about it.

Thanks to the Lotus Development people we have the means to tabulate and display this data in an interesting and informative manner. Every few months I will publish the point totals in the B.S. Sound exciting? I knew you would think so.

BEST DX READING

by Lynn E. Orr reprinted from Radio Sporting Magazine

- THREE TUBES DO RUN COOLER - by Iona Alpha
- WHY DRAKE LEFT THE AMATEUR MARKET - by Ken Woods
- THIS IS WITH THE PROCESSOR IN - by Emma Louder
- THE KEY TO WINNING CONTESTS - by B. N. Young
- WHAT TO WATCH OUT FOR AT CONVENTION FLEA MARKETS - by Ben Hadd
- HOW TO REACH THE TOP OF THE HONOR ROLL - by Lon Gevity
- PARASITIC TAKE OFF IN HIGH POWER LINEARS - by I.C. Sparks
- THE KEY TO LOW BAND CONTESTS - by Moe Watts

CONTESTS  
(de Brent, NT5D)

The September 1986 Sprint Contests are history. After years of near misses, CW team #1 finally cleached first place in the team competition! According to the National Contest Journal, this is the first ever win by a team composed entirely of members of a club. K5GN, K5LZO, and KN5H placed in the top ten. Well done guys! The SSB team also did an outstanding job taking second place in the team competition. I can't wait any longer, here are the Sprint results:

CW TEAM #1

|                       |        |              |
|-----------------------|--------|--------------|
| K5GN (#2 in top ten)  | 303/39 | 11,817       |
| K5LZO (#6 in top ten) | 266/38 | 10,108       |
| KN5H (#8 in top ten)  | 281/35 | 9,835        |
| NR5M (NM5M)           | 277/35 | 9,695        |
| N5DU                  | 274/35 | 9,590        |
| K2TNO                 | 267/35 | 9,345        |
| K5TU                  | 253/34 | 8,602        |
| KG5U                  | 233/32 | 7,456        |
| K5UA                  | 218/32 | 6,976        |
| K5MA                  | 198/29 | 5,742        |
|                       |        | TOTAL 89,166 |

CW TEAM #2

|       |        |              |
|-------|--------|--------------|
| NZ5T  | 169/31 | 5,239        |
| NT5D  | 167/30 | 5,010        |
| N5IVF | 110/27 | 2,970        |
|       |        | TOTAL 13,219 |

SSB TEAM #1

|                       |        |              |
|-----------------------|--------|--------------|
| K5LZO (#5 in top ten) | 223/37 | 12,400       |
| NR5M                  | 263/39 | 10,257       |
| NZ5I                  | 222/41 | 9,102        |
| KN5H                  | 227/36 | 8,172        |
| NT5D                  | 239/33 | 7,887        |
| K5IV                  | 218/33 | 7,194        |
| N5IVF                 | 221/32 | 7,072        |
| K5GN                  | 209/32 | 6,688        |
| K5RVK                 | 202/31 | 6,262        |
|                       |        | TOTAL 75,034 |

SSB TEAM #2

|        |        |       |
|--------|--------|-------|
| K5WA   | 223/37 | 8,251 |
| K5DX   | 204/37 | 7,548 |
| WA9VLI | 199/36 | 7,164 |
| W9AGH  | 201/34 | 6,834 |



Also available this month are the results of the first IARU HF WORLD CHAMPIONSHIP (was called RADIOSPORT). The group at NR5M (+K2TNO, KE5IV, KG5U, N5DU, NN5M, NT5D) went all out to turn in an impressive score of 752,400 points. However, this was not enough to outlast the group at KM3T who edged ahead by 50,000 points. Anyway, second place is not bad. Other members of the club were on the air for this event as well. Between calling girls, riding motorcycles, and driving his parent's vans (WOOOF!), N5IVF managed to take first place Southern Texas in the single op mixed mode category. In addition, N5JJ made a surprise appearance and came in fourth place Southern Texas in the single op mixed mode category.

On to some contest rumors from January....

TEXAS QSO PARTY:

KG5U "Harris" 860 QSOs 120 mults

73 MAGAZINE 160 meter SSB CHAMPIONSHIP

KE5FI (single op) 1010 QSOs 83 mults

73 MAGAZINE 80 meter SSB CHAMPIONSHIP

KE5FI (single op) 650 QSOs 93 mults

NN5M (+NT5D, WB5N) 372 QSOs 72 mults

73 MAGAZINE 40 meter SSB CHAMPIONSHIP

NT5D (+WB5N, NN5W) 879 QSOs 75 mults

73 MAGAZINE 20 meter SSB CHAMPIONSHIP

NR5M (single op) 1400 QSOs 138 mults

COMING ATTRACTIONS.....

|  |                                  |
|--|----------------------------------|
| February 15 (Feb. 14 local time)             | NCJ SPRINT SSB                   |
| February 20 - 22                             | CQ WW 160 m SSB (starts at 2200) |
| February 21 - 22                             | ARRL DX CW (rules: Dec. QST)     |
| February 28 - Mar. 1 (starts 0600 ends 1800) | REF French SSB                   |
| March 7 - 8                                  | ARRL DX SSB                      |

FINALLY.....

Steve KN5H is trying to put together a multi-multi team at NR5M for the ARRL DX CW CONTEST. If you are available that weekend, please give Steve a call and see if he needs your help.

Also, dont forget that the log deadline for all 73 MAGAZINE SSB CHAMPIONSHIPS is February 18.

All Sprinters PLEASE PLEASE PLEASE send in your logs. There is no way that the club can continue to place high in the team competition without full participation of the members.

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**220 mobile** ..... Larson antennas.....Call  
 ... Antenna CR3A 220MHz Magmount...39.00

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 ... Antenna CR4A 440MHz Magmount...36.00

**Dual-band 144/70cm**... Diamond 5/8both.....39.95

**Base**..... AEA Isopole 144 .....49.95  
 ... Ringo Ranger II 2M.....39.95  
 ... AEA Isopole 440.....48.30  
 ... Diamond Dual 6DB 144/8DB 440..104.95  
 ... Diamond Dual 4.5db 144/  
 7.2db 440.....79.95

**HF mobile** ..... Bugcatcher 80m 250w.....34.00  
 80m 1kw.....48.50  
 40m 250w.....28.50  
 40m 1kw.....34.00  
 ... Valor AB5.....85.00  
 AB3.....43.00  
 ... Stainless steel mast 3/8 2'.....9.95  
 3/8 3'.....10.95  
 3/8 4'.....11.95

**HF**..... TET Beams (CLOSE OUT) 3F 350H.175.00  
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 ... Butternut HF6V (prepaid).....128.00  
 ... Butternut HF2V (prepaid).....128.00  
 ... Other Butternut,VHF,scanner.....Call  
 ... Cushcraft A4.....310.00  
 ... Cushcraft A3.....230.00  
 ... Cushcraft A743/A744 30/40m kit.79.00  
 ... Spi-Ro Dipoles

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 D42-40,20,15,10m...59.95 PPD  
 D52-80,40,20,15,10.64.95 PPD  
 D162-160,80m.....79.95 PPD

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 VS-31 20,15,10m....42.95 PPD  
 VS-41 40,20,15,10m.44.94 PPD  
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 15,10m.69.96 PPD  
 VS-64 160,80,40,  
 20,15,10,..89.95 PPD

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# February 1987

SUN MON TUE WED THU FRI SAT

|  |   |   |           |                                      |   |  |
|--|---|---|-----------|--------------------------------------|---|--|
| <b>1</b><br>YL 1SSB CW Party<br>Classic Radio Exchange<br>WSTI DX Report<br>7015 2 0200Z                                       | <b>2</b><br>IS Spratly - Feb. ???<br>CX0XY - S. Shetlands<br>VK9Y - Cocos-Keeling<br>80 by Colvins<br>THIS MONTH: | <b>3</b><br>DX & Contest Net - Moved To Thursday  | <b>4</b>  | <b>5</b><br>DX & Contest Net - 9 PM  | <b>6</b><br>WIAW DX Report  | <b>7</b><br>NA "Sprint" CW (Sat.Night)<br>NH QSO Party<br>Vermont QSO Party<br>QCWA CW QSO Party<br>RSGB 7 MHz SSB Contest |
| <b>8</b><br>NH QSO Party<br>Vermont QSO Party<br>QCWA CW QSO Party<br>RSGB 7 MHz SSB Contest<br>WSTI DX Report<br>7015 2 0200Z | <b>9</b>  | <b>10</b><br>DX & Contest Net - Moved To Thursday | <b>11</b> | <b>12</b><br>DX & Contest Net - 9 PM | <b>13</b><br>TOXS Meeting<br>7:30 PM<br>Bellaire Hosp. Professional Bldg. - 6550<br>Maple Ridge<br>WIAW DX Report | <b>14</b><br>NA "Sprint" SSB (Sat.Night)<br>Dutch "PACC" Contest   |
| <b>15</b><br>- Sprint Logs Must Be Recv'd Within 30days of Contest<br>Dutch "PACC" Contest<br>WSTI DX Report<br>7015 2 0200Z   | <b>16</b>   | <b>17</b><br>DX & Contest Net - Moved To Thursday | <b>18</b> | <b>19</b><br>DX & Contest Net - 9 PM | <b>20</b><br>ARRL DX CW Contest - 0000Z<br>CQ IW 160 Meter SSB Contest<br>WIAW DX Report                          | <b>21</b><br>UU4 - Andaman & Nicobar Is.<br>CQ IW 160 Meter SSB Contest  |
| <b>22</b><br>ARRL DX CW Contest<br>CQ IW 160 Meter SSB Contest<br>WSTI DX Report<br>7015 2 0200Z                               | <b>23</b>   | <b>24</b><br>DX & Contest Net - Moved To Thursday | <b>25</b> | <b>26</b><br>DX & Contest Net - 9 PM | <b>27</b><br>WIAW DX Report   | <b>28</b><br>RSGB 7 MHz CW   |

## January 1987

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
|    |    |    |    | 1  | 2  | 3  |
| 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

## March 1987

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 |    |    |    |    |

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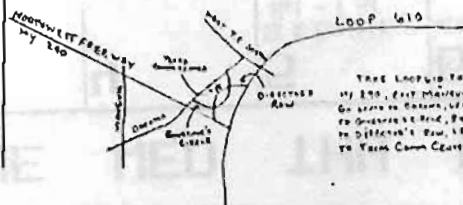
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