



SOUTHEASTERN DX CLUB

W4NT

*THE
SOUTH'S
PREMIER
DX CLUB*

January 1993

HERR FLEGLE'S HORN

-Larry Flegle, N4TMW, President

First, I would like to apologize for leaving the meeting early last month. I had had an extremely stressful day including attending the funeral of a dear friend. I understand the Mike, K4PI, did an outstanding job teaching about low band antennas. Thank you, Mike.

I will have a matter of club business to bring up at the January meeting.

Good news for 160M. Larry Erwin, TZ6VV, is now up on 160M and has made over 25 east coast US contacts. Also John, SV3AQR, is up on 160M and will operate with the club as J43A during the '93 CQ 160M contests. Frequencies will be 1840-1850. Excitement is building all over for the 160M contest!

See you at the meeting.

-Larry

FROM THE VP

de John Tramontanis, N4TOL

Greetings fellow DX'ers. Sorry I missed you all at the December meeting, but I had to get out and pay the electric bills to keep the 940 running. I also regret that I missed Mike Greenway's, K4PI, presentation on low band antennas, which from all reports rated as very informative and a crowd pleaser. Our thanks to Mike for taking the time to help out the club, and aspiring 160 operators.

The program for the January meeting will feature the film of the VP8SSI DXpedition. Our president Larry Flegle, N4TMW, was able to obtain this film exclusively for the Southeastern DX club. One would certainly be remiss to pass up the opportunity to view this masterpiece. And for those who did not work the station, i.e. yours truly, it may be as close to a contact that we will get. -de N4TOL

NEXT MEETING TIME & LOCATION

**Tuesday, Jan 19th, 7:30 PM, Old Hickory House
in the Days Inn, Roswell Rd., just inside I-285**

ACTIVITIES CORNER

-Chuck Ogburn, AB4OH, Chairman

I have been extremely busy since the last club meeting and was not prepared to write a column this month; fortunately, Mike Greenway, K4PI, came to the rescue at the last minute. Thanks Mike! Mike reminds us that the CQ 160 meter CW contest will begin on January 29 at 2200Z and end on January 31 at 1600Z. Please work the following stations who are putting forth an all out effort: KX4R, KS4Q, KB0G, KD4KDH, AB4RU, KO4WE, AC4QT, K4ODL, WX4G, N4RJ, KN4B, 4U1UN (W8BLA & K2UFT), KP2A (K4TEA), K4UEE/KH1 (K4UEE), N4VZ, WA4CUG, P4ØPI (K4PI), K4SB, and K4JPD. Good luck!

There will be an award for high score in the single operator category for club members operating locally. There may be other awards as well. More details later. Those who gave me their ARRL 160 & 10 meter logs can rest assured that I mailed them and will have mailed the CQWW CW logs by the time you receive this newsletter.

Finally, if anyone can provide me with any job leads for a manufacturing management or similar position, I would appreciate it. I have experience in electronics manufacturing.

73, Chuck

The SEDX 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.

SECRETARY'S REPORT

by Buddy Harrell, W4OUN

Minutes from December Meeting Held 12/15/92 Chuck Ogburn, Activities Manager, gave a report on contest logs and log summaries received. Tim, KB0G, won the club contest for the CQWW-SSB contest with highest score and most band-countries. Chuck is still waiting for additional scores for 160, CQWW-CW, and 10 Meter contests. Jim, N4UCK, passed around resumes of proposed DXCC field checkers from Puerto Rico. After everyone had a chance to read them, the club voted to accept them as members and to sponsor them as field checkers with the stated objective of assisting in formation of a Puerto Rican DX Club. Jim also reported on the progress of DOCNOD. He indicated it would be put on the air Friday evening (Dec. 18) on the 45th floor of the First Atlanta tower. It was reported it will be on 145.65 as a KA-node and support 5 users.

Late Breaking News The node has been upgraded to a NET/ROM, moved to 144.97, and supports additional users. Also, it is no longer DOCNOD but ARCDX. Users around the Atlanta area are reporting very strong signals. Fulton County Tower Ruling. Jim provided a report on the successful outcome of Bill Barr's (N4NX) tower case with Fulton County. Congrats to Bill and Jim. Baker/Howland DXpedition. Bob Allphin, K4UEE, will be participating in a planned DXpedition to Baker/Howland which is currently #2 on the Eastern area Most Wanted List. The club voted to provide up to \$500 in matching funds pending confirmation of a landing permit. Checks should be made payable to INDEXA if you want a tax deduction.

It was reported that a P5 operation by Romeo is imminent. ***Note: As this is being written the QSO's and QRM are under way. Signals have generally been weak. Sam, KB4NJ, is currently working on publishing a club roster. NOTE: At the next club meeting, there will be a vote to require that a Club Roster be published within sixty days after the beginning of a new dues year.

Dick, K2UFT, reported on the 4U1UN antenna project. Plans to erect a GAP IV vertical had to be scrapped because of the high wind velocity on top of the UN building. There is a commitment for a

pneumatic mast to raise a 160 meter dipole. The mast is free but construction of a suitable support is expected to cost approximately \$800. Funding appears to be available. Program. Mike, K4PI presented a very informative presentation on 160 meter contesting and antennas. With no further business, the club adjourned. 73's and DX,

-Buddy, W4OUN

The DX COOKBOOK

The DX Cookbook is an inexpensive guide to DX'ing put out by the Southern New England DX Association. It covers many topics with articles from many well-known sources such as Chod Harris VP2ML, Marti Lane, OH2BH, Wayne Mills, N7NG, Ed Krinsky, NT2X, Ellen White, W1YL and more. The articles include such titles as Getting the Most Out of Your DX Bulletin (one guess who wrote this one!), PacketCluster™, The DX Station, 25 Tips for Little Guns, Pirates, Cops and Etiquette, Can I Bust the Pileup, and The Way It Was. All together, there are fifteen articles. The ones I liked best are the 25 Tips (reprinted from CQ), Pirates, Cops and Etiquette, and The Way It Was.

The book has many interesting tidbits and if you can't read enough about DX, I recommend this book to you. It costs a modest \$5 and can be ordered from SNEDXA, c/o Aurum Computers, 5 Pond Park Rd., Hingham MA 02043. The book consists of 25 double-sided 8x11" pages stapled together. A lot of bang for the buck and a nice addition to all the other DX books you've already memorized!

-N4XMX

TREASURER'S REPORT

-Sam Silverman, KB4NJ

The figures for the club are as follows:

Checkbook (total)	\$2941.82
Tower Fund	\$5.00
Cluster backbone	\$69.15
4U1UN 160M Ant.	\$160.00

CALLSIGN	FIRST NAME	LAST NAME	CITY	STATE	COUN	HOME PHONE	WORK PHONE
AA4S	RON	BAILEY	SHELBY	NC		704-487-0337	704-868-5530
AB4HF	JOEL	HOAG	CALHOUN	GA		404-625-1261	404-629-4711
AB4OH	CHUCK	OGBURN	DUNWOODY	GA		668-9435	395-7740
AB4RU	RON	HOOPER	LULA	GA		677-2800	967-6181
AB4VO	DAN	PEGRAM	MACON	GA		788-4996	781-0332
AC4QT	GREG	WAITS	ROSWELL	GA		993-5216	982-0248
AC4VJ	DONALD	SCHMIDT	MARIETTA	GA		565-8758	565-8758
K2UFT	T.R. "DICK"	BENTLEY	DUNWOODY	GA		393-2150	698-5626
K4BAI	JOHN	LANEY	COLUMBUS	GA		404-561-7391	404-649-7840
K4DLI	JIM	STREIBLE	MARIETTA	GA		993-1767	955-1775
K4EZ	BEN	ADAMS	DECATUR	GA		321-6407	
K4FWR	ROBERT	BUTLER	KENNESAW	GA		428-5172	238-5886
K4GFH	HARRY	SAUNDERS	ATLANTA	GA		352-2946	581-2322
K4HGG	DALE	NORDIN	MARIETTA	GA		422-9120	421-7106
K4JAG	JOHN	HARDEN JR	ATLANTA	GA		355-4850	
K4JPD	STEVE	MCELROY	DOUGLASVILLE	GA			
K4JRB	DAVE	THOMPSON	NORCROSS	GA		448-0588	
K4KG	BILL	JAY	DOUGLASVILLE	GA		942-3192	913-0072
K4LDI	DAVID	MEADOWS	MARIETTA	GA		955-5509	
K4NNK	GARY	ALTMAN	ATLANTA	GA		843-8487	851-9394
K4ODL	RANDY	TUDOR	MARIETTA	GA		971-3821	442-6478
K4PHE	BOB	SMITH	LAWRENCEVILLE	GA		963-9078	982-4233
K4PI	MIKE	GREENWAY	DOUGLASVILLE	GA		942-4576	765-4550
K4ROZ	DALE	SCHWARTZ	ATLANTA	GA		955-1007	658-8097
K4RPK	LEE	FOSTER	ATLANTA	GA		261-5990	
K4SB	ED	SLEIGHT	POWDER SPRINGS	GA		439-0116	
K4SEU	JIM	FLETCHER	COVINGTON	GA		787-7221	786-2955
K4SMX	STEW	WOODWARD	VERO BEACH	FL			
K4TEA	KEN	BYERS	ATLANTA	GA		955-5800	843-1000
K4UEE	BOB	ALLPHIN	MARIETTA	GA		953-3828	956-0300
K4XR	CRAIG	COMPTON	NORCROSS	GA		446-7383	497-7651
K6EID	PHIL	FINKLE	MARIETTA	GA		425-6173	494-7190
K8CFU	ARCH	DOTY	FLETCHER	NC		704-684-5871	
KA4C	DWIGHT	DOVER	CANTON	GA		926-2030	479-2601
KB0G	TIM	HEGER	MCDONOUGH	GA		914-2525	785-3500
KB4BBC	RAYMOND	HENSLER	SENOIA	GA		404-599-3736	
KB4I	JAMES	CRAFT	DACULA	GA		962-3849	
KB4IT	MORRIS	JOHNSON	GRIFFIN	GA		404-228-6789	
KB4J	GARY	LINS	NORCROSS	GA		448-1166	447-3728
KB4NJ	SAM	SILVERMAN	SMYRNA	GA		433-8606	494-7981
KB4SSS	ANN W.	STREIBLE	MARIETTA	GA		993-1767	641-0922
KC4I	JACK	FISHER	ALPHARETTA	GA		475-5225	573-6726
KC4M	HARRY	EARLY	ALPHARETTA	GA		751-0613	
KC4MJ	NEIL	FOSTER	ATLANTA	GA		449-3340	
KC4UZ	BILL	WALL	LOGANVILLE	GA		404-466-4353	
KC4YRW	BILL	SLATTON	ROSWELL	GA		587-1918	475-2515
KD4APU	KATHERINE	MORGAN	CANTON	GA		887-7172	
KD4APW	JAMES	PEELER	MARIETTA	GA		924-8110	698-6960
KD4KDH	DAVID	WAITS	WOODSTOCK	GA		442-9901	
KE2WB	JOHN	JARVIS	AUGUSTA	GA		706-737-8858	
KF4CI	KEN	CRANDALL	ATLANTA	GA		992-6353	551-8188
KF4IX	CLAY	WHIFFEN	MARIETTA	GA		973-6880	
KI4XO	JOHN	SMITH	ROSWELL	GA		641-1576	426-4261
KI4Y	JOHN	TALIPSKY	NORCROSS	GA		447-5674	395-1067
KJ4VX	WYATT	MOORING	CALHOOUN	GA		706-625-3638	
KL7JAR	SANDRA	JORGENSON	DULUTH	GA		476-1374	261-9400
KL7TF	DON D.	JONES	COVINGTON	GA		787-6755	787-2429
KM4FV	DELAINE	MCCARTHY	ROSWELL	GA		993-9758	642-2003
KM4KB	CHARLES F.	EARHART	WOODSTOCK	GA		924-3520	
KM4LS	BILL	RONAY	DECATUR	GA		939-2452	
KM4MG	MARTIN	STERN	ATLANTA	GA		255-0059	255-4025
KM4TD	CONNIE	TUDOR	MARIETTA	GA		971-3821	
KN4B	WAYNE	OWSLEY	DALLAS	GA		445-3090	627-2445
KN4H	KEN	THRASH	DECATUR	GA		633-1124	676-2048
KN4VE	HAROLD	HERRING	DONALSONVILLE	GA		912-524-5002	
KO4RQ	JAMES	KAUTEN	ATLANTA	GA		233-9700	355-9515
KO4WE	RICK	WAITS	WOODSTOCK	GA		442-9901	321-5266
KO4XF	BILL	BURNETTE	CUMMING	GA		887-7567	457-5987
KT4M	BOB	FLACK	ATLANTA	GA		636-7490	
KX4R	GREG	CARTER	TAYLORSVILLE	GA		706-386-0797	974-6054
N3FDU	MICHAEL	BONELLI	ALPHARETTA	GA		343-9528	SAME
N4DBO	SEYMOUR	SOLIDAR	ATLANTA	GA		239-0755	988-9991
N4HH	DON	NESBITT	ATLANTA	GA		257-0463	426-3410
N4HOH	JACK	HAGUE	DOUGLASVILLE	GA		949-1964	942-1246

CALLSIGN	FIRST NAME	LAST NAME	CITY	STATE	COUN	HOME PHONE	WORK PHONE
N4IA	BOB	DUGGAN	ATLANTA	GA		636-2110	424-5929
N4NX	BILL	BARR	ATLANTA	GA		399-0824	257-6800
N4ONI	ROY	CONLEY	MARIETTA	GA		424-6491	656-0676
N4ONZ	GLENN	MILLER	FAYETTEVILLE	GA		404-599-6419	601-922-6363
N4REE	DALE	GAUDIER	DUNWOODY	GA		396-1332	458-1212
N4RJ	HUGH "VAL"	VALENTINE	LOGANVILLE	GA		979-3400	469-3000
N4SBI	RON	TINGLE	NORCROSS	GA		381-6993	331-2344
N4TB	THOMAS W.	BRADLEY	DECATUR	GA		634-7228	
N4TMW	LARRY	FLEGLE	WOODSTOCK	GA		928-3022	668-6832
N4TNZ	FLORENCE	MONTGOMERY	ATLANTA	GA		255-1348	
N4TOL	JOHN	TRAMONTANIS	MARIETTA	GA		587-4623	843-5253
N4UCK	JIM	ALTMAN	ATLANTA	GA		589-8145	872-9905
N4VZ	ROBERT	PETERSON	CONYERS	GA		922-3900	922-3900
N4XKU	EVELYN	GREENWAY	DOUGLASVILLE	GA		942-4576	
N4XMX	RICK	GLISSON	ATLANTA	GA		352-5349	522-8364
N4XY	ED	TANTON	MARIETTA	GA		971-0436	
N4ZTT	HAROLD	VINCENT	BUCKHEAD	GA		485-7025	
NF4A	BOB	FORREST	ROSWELL	GA		993-8797	
NF5Z	RICHARD	POWELL	ROSWELL	GA		992-1058	
NN4K	VADEN	McDONALD	STONE MOUNTAIN	GA		491-8665	263-5900
NU4D	NEAL	STARKEY	ATLANTA	GA		377-9671	
NZ3I	TAD	DANLEY	BUFORD	GA		513-9252	449-4150
VK5QW	KEN	STEVENS	GLENELG	SA	AUSTRALIA	08-2944061	
W4BFR	BRUCE	MONTGOMERY	ATLANTA	GA		255-1348	
W4BTZ	AL	SMARR	ATLANTA	GA		233-1585	237-4148
W4DMB	DUB	DAWKINS	MARIETTA	GA		428-3096	
W4DXI	CLAY	GRIFFIN	ATLANTA	GA		753-0601	
W4GIW	VAN	FAIR	NORCROSS	GA		446-8840	446-9111
W4GKF	CHAZ	CONE	ATLANTA	GA		394-2663	399-6099
W4GTS	PHIL	LATTA	MARIETTA	GA		973-2185	
W4LVM	WAYNE	MUELLER	ROSWELL	GA		993-0418	257-3285
W4MWT	JIM	WILSON	KENNESAW	GA		427-7744	238-7130
W4OUN	BUDDY	HARRELL	CLARKSTON	GA		296-7641	493-2272
W4OWY	BOB	FUSS	MARIETTA	GA		973-4021	392-2350
W4RSO	HUGH	PRICE	AVONDALE ESTATE	GA		299-0663	
W5CBN	JOHN	HILL	MARIETTA	GA		973-7265	888-2287
W5OOJ	HERMAN	CROW	GEORGETOWN	GA		374-2001	
W8BLA	VERNE	FOWLER	ROSWELL	GA		993-2909	
W8ZF	DEAN	FREDRIKSEN	SUGAR HILL	GA		932-1018	925-5530
W9RR	GEORGE	SENSIBAR	DACULA	GA		962-7342	962-6800
WA4APM	DAVE	CURL	LAWRENCEVILLE	GA		339-1082	662-7872
WA4BNN	MIKE	HENRY	ALPHARETTA	GA		446-1000	446-1000
WA4BWZ	HERBERT	HATTON	CARROLTON	GA		834-2791	834-1010
WA4CTC	VANT	MORELL	ACWORTH	GA		425-8515	835-2526
WA4CUG	R.L. "TAD"	WILLIAMSON	MAPLETON	GA		696-7803	446-8722
WA4FTM	ROBERT	BRADY	ATLANTA	GA		457-9907	
WA4FVT	BILL	STRICKLAND	ATHENS	GA		404-549-2847	404-548-5541
WA4JTI	DAN	McLEAN	GREENVILLE	TN		615-638-5907	615-638-4161
WA4NIB	VERNON T.	UNDERWOOD	ATLANTA	GA		875-4026	
WA4PBW	WINSTON	WHITLOCK	ATLANTA	GA		436-1441	351-4211
WA4PPS	BOB	OSGOOD	SNELLVILLE	GA		972-0659	
WA4QMQ	JOHN	REASONER	BOWLING GREEN	KY		502-842-5355	502-745-6242
WA4VDE	BILL	DUNBAR	CANTON	GA		404-479-5889	
WA4YED	CARL	GOLDEN	ATLANTA	GA		351-3937	352-2930
WB4FHF	ROB	HAZEN	CANTON	GA		924-7972	345-7384
WB4FQP	HERMAN	HAZEN	DECATUR	GA		634-5648	892-1076
WB4GNT	ALLEN	BOND	MARIETTA	GA		973-6251	951-7067
WB4ZNH	CARL	HENSON	FAIRBURN	GA		964-7765	765-3366
WD4ABO	RICK	MORGAN	CANTON	GA		1-887-7172	
WD4FWE	ARLISS	NIX	MORELAND	GA		404-253-8999	
WD4RPC	KARL K.	OFFERMANN	KENNESAW	GA		426-4558	255-5610
WF0U	DON	GRIDER	MARIETTA	GA		924-6228	
WI4K	CAROL	SHRADER	VIRGINIA BEACH	VA		804-363-2457	
WN4FVU	MARTHA	HENSON	FAIRBURN	GA		478-3255	
WN4S	JIM	LONG	LILBURN	GA		921-5854	331-4116
WS4F	STEVE	ADAMS	CORNELIA	GA		404-778-8318	778-8600
WV3G	MALCOLM	RINGEL	ATLANTA	GA		394-3524	231-0084
WX4G	BOB	BROCKMAN	ALPHARETTA	GA		664-8773	688-4181X248

DX TIDBITS

-Rick Glisson, N4XXM

This month I will talk about the W9GR DSP unit which is of interest to the "little pistol" as well as the "big gun" DX'er.

Digital signal processing (DSP) is the wave of the future. I first saw the W9GR DSP unit on the cover of the Sept. 1992 QST. I read the article, liked what I saw and ordered the kit with the noise filter and CW filter options. The kit came about two weeks later. I'm glad I ordered when I did. QST told Dave Hershberger, W9GR, that the typical response for a kit was 25 kits. Being optimistic, he had about 200 kits ready and already has over 800 orders with a 10-12 week backlog!

Options include the random noise filter (my main reason) and automatic multiple notch filter together, and a variety of narrow (200 Hz) CW filters centered on different frequencies. CW filters for my Kenwood cost around \$75 alone and I already have a 500 Hz filter in the TS-440. The basic kit is \$90 and add \$15 for the each extra thing you want, plus \$7 shipping. However, for \$125, you can now order the kit with a multiprocessor that has ALL the functions available built-in and selectable from the front panel! The only way to go!

The kit arrived with everything present. The instructions assume you know how to put a board together from a parts list and a bag of parts. This is not a Heathkit, but the instructions are perfectly adequate. Typically you put in all the resistors, then capacitors, etc. There is obviously a little external wiring such as your favorite way to bring in the 12V, and the audio in and out. It is a double sided PC board with lots of feedthroughs, not something you would want to make at home. The solder pads are small and traces can come very close at times. There is no room for sloppy soldering. I bought the Radio Shack butane soldering iron with the 1 mm tip for the job, worked fine. You will need a fine tip, whatever you use. A magnifying glass and good light are very helpful. All the chips are socketed. One of the problems I had was bending the 20 pin wirewrap socket 90° to fit in the circuit board. After breaking a few pins, I opted to order some 90° sockets from Digi-Key. (Part #A129-ND, I have one left for sale if anybody needs it.)

The board went together fairly quickly and the

only problem I had was an incorrect EPROM chip placement which was my mistake. The unit requires the usual skills in mounting in a suitable metal case to minimize any RFI from the unit.

Does it work? YES! I had bought the unit to try and compensate a little for not having stacked monobanders on 100' towers out back. This week, I have been trying to work Romeo from P5 on 15 and 20M. The noise reduction feature has worked very well. It will not pull out a very weak signal that is completely in the noise but will help those marginal signals that tend to fade in and out with noisy conditions. On 80 M, it makes life reasonable, I intend to use it during the upcoming 160M contest!. The CW filters seem to work, but introduce some high frequency hiss. Jay, W6GO, mentioned that Dave had a mod for that and when I do it, I'll let you know.

I had recently attended a GARS meeting with the representatives of JPS who make the NIR-10 unit (\$349.95). I was interested in a comparison of the two and many questions along those lines were asked. Some of the major differences between the two unit include clock speed (40 MHz versus 20 MHz) and A/D conversion (14 bit versus 8 bit). Of course the unit costs almost three times as much. The W9GR provides an excellent introduction to DSP at a very reasonable cost. One nice advantage is that these units can be used with any rig. In the future, HF rigs will have a lot of this built-in. Imagine when all these functions can be put in the IF! As the cover of QST said, "The Future is Here!"

See you in the P5 pileups...

-Rick

K4UEE TO GO TO KH1, BAKER HOWLAND

Bob, K4UEE, will be going to Top 10 Most Wanted KH1, Baker Howland in February. The club voted to make up to \$500 in matching funds available to support Bob. In other words, for every dollar you give, the club gives a dollar up to \$500. Please make your checks out to INDEXA and give to Vern Fowler. By giving through INDEXA, your contribution is tax deductible. Thanks Bob for putting this one on the air.