Worth Repeating **NEWS**

This News Bulletin is printed and distributed to the membership of the Hazleton Amateur Radio Club and the Anthracite Repeater Association. HARC meetings are held the third wednesday of the month, The ARA meets the last thursday each month.

SUMMER ISSUE Vol. VIII No. 2 1983

HARC President Comments By N3ASW

Five years ago I came to my first HARC meeting, not even licensed yet, but attending classes. Through the work and determination of the club members I was successful in getting licensed.

I can truly say Ham Radio has been both an Education and a pleasure. My only hope is that we as club members can continue this tradition for ourselves and the future of amateur radio.

I have become aware of a decrease in meeting attendence. I hope we can provide an incentive to attend future meetings. We will try to keep the business portion as short as possible. Leaving more time for eyeball QSO and exchange of information. We would also like to have a program at each meeting. Anyone who would like to talk about anything, PLEASE volunteer by contacting the board. Any ideas for projects or activities please let yours be known.

Amateur Radio is a rare hobby. There is just over 1,000,000 of us worldwide. In order to boost our ranks and support for our hobby, we must make the public aware of us and the services we provide. Let us start thinking of ways we can become more visible in the public eye, perhaps create a club project together.

Spring weather is here so lets check out our antennas and feed lines for winter damage, and have them in fine shape for the upcoming contests ragchews, and traffic. Hope to see you all at the next HARC meeting, and on the air.

BOOKS MANUALS PERIODICALS

Rich, WB3EGD manager of City Book Store at 31 N. Laurel Street, Hazleton, has started a computer book section. Feel free to drop by and browse around. Although the section is modest at present, you could take a peek at the listing of computer books, including all types of software. If not on hand, Rick can get it for you in a week or two. His list includes titles that are due to be released soon.

The store presently does not have a Radio/electronic section, they can be had on special order. Rick can get you just about anything that is being printed, whether Radio, Electronics, Computer oriented, or a romance novel to keep the xyl QRL while your working that elusive DX station. Or, just stop in and bend Ricks ear for an hour.

HARC-ARA ACTIVITIES - PAST -

The Anthracite Traffic net 146, 07/67 which meets Wednesday and Friday evenings has just celebrated its seventh birthday of operation. It's first session was April 1, 1976.

The visit on March 16 from our Atlantic Division Director, Hugh Turnbull W3ABC was well attended. Fourty-two members and visitors from five area clubs were represented. All were well informed on FCC and ARRL as well as TV cable events present and future expectations. A question and answer session followed.

The Fox-Hunt held April 23rd. had fifteen hunters and one fox. Number one to locate the fox was K3IJ. A fellow named George got twisted up and found every strong leak in the Hazleton TV cable system. Channel E is on 145.250 Mhz. and the fox was on 145.270 Mhz. When last heard of, George was still knocking on doors on Diamond Avenue.

ACTIVITIES - FUTURE * Mark your calendar

The 1983 Annual Field Day exercise will be held at the Broad Mountain Fire Tower June 24-25-26. So far band masters have been volunteered for the 20 meters (K3IJ-AI3Q) and 6 meters (N3BBI) Band masters are still needed for 80/75, 40, 15, and 10 meters. Volunteers contact K3PGI. Food committee are KA3CAT, K3PGI and N3CTZ. Complete plans will be finalized at the HARC meeting May 18. Be there.

The Tamaqua Transmitting Society has been granted permission to set up for the UHF annual QSO party at the ARA repeater site on June 11-12. So far we have a 100 watt 2 meter station all mode, CW, SSB, FM. We would welcome anyone with six meter gear and 220 and/or 440 gear to join with us. To round out a complement of operators, all of HARC and ARA members are urged to attend and assist For additional details, contact K3NYX or W3TI.

Officials of the Borough of Tamaqua have contacted The Tamaqua Transmitting Society to make a Radio Propagation survey from the Still Creek reservior area. The society shall utilize the Annual Field Day week end to exercise and perform this task for the borough . All former members of TASBAR and present Society membership are encouraged to participate in this endevor. For additional info contact K3NYX ASAP.

IMPORTANT NOTICE .* *

Every amateur has at some time or another, has aspirations or visions of erecting a tower with some sort of beam antenna tp work that elusive DX. You may not have the financial means nor the plot of ground at present to aquire that dream. BUT ! Now is the time to act so at some future date you will still be permitted to erect that dream tower and antenna.

The article to the right is a direct reprint of HOUSE BILL No. 49 which is now in committee with the representatives in Harrisburg.

SO WHAT ? you say. There are presently no laws or rules in Pennsylvania to say who has the SAY-SO whether local government, county or state has the right to tell you "yes" or "no" in giving you permission to erect that tower. There are presently a number of conflicts all over the USA regarding the erection of amateur radio towers and antennae.

This H.B. 49 would let the decision in the hands of local zoning officials and as stated, Provided the tower is for a licensed amateur, and provided said tower construction conforms to all VOCA safety codes, Then there will be no excuse not to grant the ham operator permission to erect his/her tower

I have listed those representatives for Luzern and Schuylkill counties and their address. Please - take time NOW and drop them a letter stateing that you are in favor of this amemnment.

THE GENERAL ASSEMBLY OF PENNSYLVANIA

HOUSE BILL

No. 49 **Session of 1983**

INTRODUCED BY WILSON, JANUARY 25, 1983

REFERRED TO COMMITTEE ON LOCAL GOVERNMENT, JANUARY 26, 1983

AN ACT

Amending the act of July 31, 1968 (P.L.805, No.247), entitled, as amended, "An act to empower cities of the second class A, and third class, boroughs, incorporated towns, townships of the first and second classes including those within a county of the second class and counties of the second class A through eighth classes, individually or jointly, to plan their development and to govern the same by zoning, subdivision and land development ordinances, planned residential development and other ordinances, by official maps, by the reservation of certain land for future public purpose and by the acquisition of such land; to promote the conservation of energy through the use of planning practices and to promote the effective utilization of renewable energy sources; providing for the establishment of planning commissions, planning departments, planning committees and zoning hearing boards, authorizing them to charge fees, make inspections and hold public hearings; providing for appropriations, appeals to courts and penalties for violations; and repealing acts and parts of acts," prohibiting zoning ordinances which exclude or restrict amateur radio antennas or towers.

The General assembly of the Commonwealth of Pennsylvania hereby enacts as follows:

Section 1. The act of July 31,1968 (P.L. 805, No. 247) known as the Pennsylvania Municipalities Plamning Code, is amended by adding a section to read:

Section 603.1 ORDINANCE EXCLUDING AMATEUR RADIO ANTENNAS and towers prohibited. No zoning ordinance shall exclude or restrict the erection, location or height of an amateur radio antenna, or the tower supporting such antenna. An ordinance may regulate the construction or maintenance of an antenna tower but only to the extent as is necessary to protect life or property.

Section 2. This act shall take effect in six months.

LUCYK, EDWARD J. ..... (D)	8	38 E. Centre St., Mahanoy City 17948	TIGUE, THOMAS M. ..... (D)	71	42 Center St., Hughestown 18640
BALDWIN, WILLIAM E. ..... (D)	24	302 Mahantongo St., Pottsville 17901	BLAUM, KEVIN ..... (D)	72	Northeastern Bank Bldg., 69 Public Square, Wilkes-Barre 18701
KLINGAMAN, WM. K., Sr. ..... (R)	63	44 Mauch Chunk St., Tamaqua 18252	JAROLIN, STANLEY J. ..... (D)	44	230 W. Main St., Plymouth 18651
			HASAY, GEORGE C. ..... (R)	124	2261 Sans Souci Pkwy., Wilkes-Barre 18702

DX es ALL THAT

By AI3Q

On a seperate page you will find a list of DX stations and their QSL managers etc. This has been furnished by K3YD. By now most of the big DX contests are history. This is a good time to warm up your skills for the VHF contest in June and Field Day at the end of the month. Has anyone started working towards their VUCC award ? This is a VHF version of the DXCC and appears to be quite a challenge. Just work 100 different grid squares and have confirmed.

Need to know about band condx on 20 ? Try listening for the becons established by Northern California Foundation on 14.100 Mhz. A complete list of how they work can be found in April CQ Mag. One of the most constistant I have heard is ZS6PW/B om 28.270 Mhz.

For interesting DX we should soon be hearing our own W3TB/TF any time now as he starts a two year duty with the Navy in Iceland. 7Q7LW and 5H3BH roam the 10 es 15 meter bands daily. ZD9BV ZD9YL and ZD7BW are heard around 21,335 around 1800 GMT. Tim Chen BV2B has his antenna up again and found on 28.030 at 0001 and 21.345.

Other DX, there are rumors of a planned DX-pedition to Clipperton and Malpelo islands next winter. The last such expedition was in 1979. Thats all to report for now. See you all at our HARC/ARA Firld Day. --- 73 Bill

FROM WHERE WE SIT

By W3TI

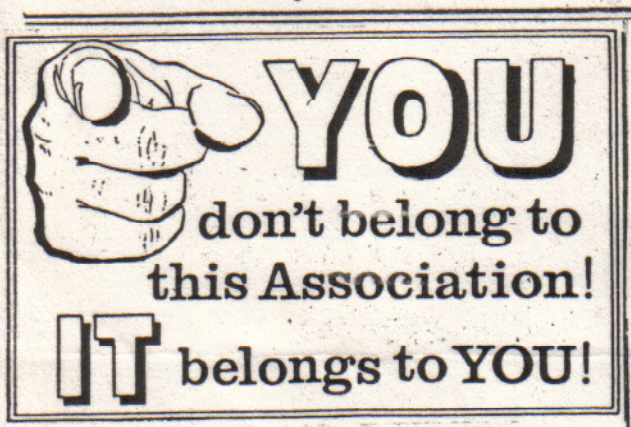
Well gang, quite a number of changes, additions, deletions, happenings non-happenings etc., have taken place since our last bulletin. Among the additions, we have a complete new slate of officers in both HARC and ARA. Each time a new official is elected, he/she has ideas to spruce the club up a bit. Yet ! in order to accomplish their goals they must have the backing, cooperation, and activity from the membership. Any club official cannot do it all alone.

Most clubs thrive on NUMBERS of members. This is fine when dues time comes around. But what about those many other club activities ? Well to quote, "Harry, Mary and George seem to do the job, I'll just sit and watch". Have you ever noticed the same calls are always on the Field day committee, The same group attend the repeater site work parties. Then we sit back and tell ourselves "I'd like to help BUT---, (Then come the excuses)

a. I'm not as technically inclined as those guy
b. I can only help for an hour.
c. The wife has to use the car at that time.
d. They have been doing such a good Job etc etc.
e. (many more to numerous to mention ------)

The benefits of you belonging as a dues paying member is fine for the club but you only derive 10 % of your expectations and pleasures from the group. You will find the other 90 % is derived when you volunteer and join the active bunch in the many adjacent activities.

Lets experiment a bit. Attend the next two meetings and join the group in club activities other than just operating the rig at home. - Try it ! You'll Like It...



MTC Radio Net Changes Frequency

On April first, 1983, the Midwest MTC Amateur Radio net, with Harvey Bates WAOQEY as net control, will move to 7040 KCS. Times for the net are 1030AM and 7PM Central time seven days per week. This net, which previously has operated on 7058 KCS, is informal and we try to use the comfortable speed we were accustomed to while we were working. It is a real pleasure to participate in this net, keeping tabs on our personal and radio friends.

Want more information on the Morse Telegraph Club. See or contact member - W3TI on 146. 07-67 Mhz.

The Clique

A clique is defined as "a small exclusive group of people." It would be interesting to print a list of the "members" of the clique, but we had problems with borderline cases. Instead, we developed a quiz to assist in determining your own *clique quotient* (CQ).

Answer the following yes/no questions.

During the past year have you:

a) helped with a club project?
b) been on a transmitter hunt?
c) assisted at Field Day?
d) taught a Novice or General course?
e) participated in a Civil Defense drill?

Add up your answers: Yes ____ No ____

Multiply yesses by 20. _____

Total _____

Check any of the following statements you have used to rationalize your non-participation.

a) I don't have two-meters.
b) I don't operate mobile.
c) I only operate CW.
d) I am too busy (a favorite).
e) I don't like nets.
f) They already have enough help.
g) The clique will do it.

Add up your check marks. Multiply by 10 and subtract from previous total.

Rating scale

To help you evaluate your total, we have developed the following scale.

Over 70 — a Clique Commander (and a probable candidate for divorce).
60-70 — a member of the Clique.
50-60 — a borderline member of the Clique.
40-50 — trying to get in, high potential.
30-40 — qualified to complain.
20-30 — should start your own group.
10-20 — have you considered photography as a hobby?

ANNUAL HARC/ARA CLUB PICNIC --- Check with N3CME, Chairman for time,place, and date. No info at press time Sri.

73s To The Morse Telegrapher

Submitted by Ray E. Meyers W6MLZ

It doesn't seem fair that a public which mourns the passing of the buffalo, the whooping crane and the passenger pigeon has nevertheless shed not one tear for the vanishing telegrapher.

We shall now do so.

He was a great man, the old brass pounder. Crazy ás a cut cat sometimes, mind you, but a great man.

We knew him well. Newspapers and brokerage houses used to get the top ranking men of the trade to work out of their offices.

Now a silence is falling on the little clicketyclack sounding-box with its Prince Albert tobacco tin wedged into the side (the tin helped when working a bad wire) and soon the sound of Morse will no longer be heard anywhere in the land.

Canadian National Telegraphs in B. C. has now revamped its entire system to the teleprinter and such automatic devices. And Candadian Pacific Telegraphs is well advanced on the same road to automation.

That's progress.

The new equipment—teleprinters, tapes, microwaves, and computers—can send and receive at least four times as fast as the best man on a key ever could.

It's more efficient, but the personal touch has gone.

Lo, the poor brass pounder. In his days of glory he held a position far removed from and, he privately suspected, far above that of ordinary mortals.

He communicated in a language all his own with fellow practitioners of the art spread all across the face of this continent.

He was sometimes witty and often wise and he had the gift of discretion to a degree now seldom found in any except supreme court judges and bartenders. He was apt to be kind to cats but hard on superintendents.

We recall one who was an authority on rare books, another who raised racing pigeons and several who drank.

There was another who kept three radios in his house and used to turn them on all together, full blast, at midnight.

About one in ten was a boomer, seldom staying in a town longer than was required to stake himself for a move to the town beyond. If he were afflicted with telegraph arm, a condition much the same as chronic writer's cramp, he traveled with his bug, which was a semi-automatic sending device. Otherwise he carried no luggage whatever.

When he left his current employment, he left in a hurry. It was not unknown for him to do so in the middle of a message.

But when the going was tough he always produced.

He was, in fact, not unlike newspapermen of the same era. Maybe that's why we liked him so.

Goldwater Must Pull Plug On Military 'Ham' Station



Doyle Sanders/Republic

"Tom" Moore, a volunteer at the radio station, surveys it with Sen. Barry Goldwater.

By Carle Hodge
Republic Staff

"We hate like hell to give it up," Sen. Barry Goldwater said, gesturing around the stone "radio shack" beside his mountaintop home.

What the Arizona Republican and a staff of volunteers are giving up is an Air Force radio station that, over the past 18 years, has linked hundreds of thousands of overseas airment and their families.

Technically, it is MARS, or Military Affiliate Radio Station, AFA7UGA. In the past eight years, it has been the relay between a station in Hawaii, serving the entire Pacific, and other stations around the continental United States.

It handles only personal messages between servicemen and their homes, what the veteran senator calls "mom and pop" messages.

"It's what it termed morale traffic," he said.

The problem, Goldwater explained Wednesday, is that the equipment is outmoded and worn out and the government cannot afford to replace it.

Moore, a retired Navy commander, joined the group of "hams" then because his son was a prisoner of war in Vietnam. He felt that working at AFA7UUGA was a way of keeping in touch with the war.

At the time, the station was operated around the clock by as many as 34 volunteer operators. While the hostiliities continued, it handled more than 250,000 telephone "patches" between servicemen and their kin.

Now, most of the messages move by radio teletype. More than 25,000 of them have. The station also served on an emergency standby basis during the shuttle flights.

Oficially, it will be silenced in ceremonies presided over by Maj. Gen. Robert McCarthy, commander of the Air Force Communications Command.

A few days later, Air Force crews will begin disassembling the equipment for shipment to posts all over the world. The towering transmitter is destined for West Germany.

"They probably could buy one for $35,000 but will spend $110,000 shipping it over there," the senetor scoffed.

Goldwater said the station sort of grew. He began handling more and more messages for the military, and the military kept lending him more and more equipment.

Goldwater, who was 74 on Jan. 1, has been an amateur radio operator since he was 13 years old.

He will continue to use the shack—which is decorated with kachina dolls and has a fireplace—for his personal transmitter.

On Wednesday, he took time off from painting a bookcase for his wife to meet a reporter there.

As they talked, his wife appeared at the door.

"Come on in, Peggy," he said. "You haven't been in here in 12 years."

She handed him a letter from the Air Force chief of staff, Gen. Charles Gabriel.

A lot of us old-timers," the message read, "remember well how much UFA7UGA meant in bringing us a touch of home.

"Particularly in Southeast Asia, it meant a great deal to our people -especially if the senetor himself happened to be at the microphone."

FROM LIDXB VIA K3YD

QSL UPDATE - Part 1

LONG ISLAND DX BULLETIN

A22BW	via	DK3KD	C6ACZ	via	WB4OSN	NØZO/DU2	via	KØLST	FOØQA	via	KØCS	HH2W	via	WA2DFR	KA1UA/J88	via	WA1KAT	LU5ZA	via	LU2A
A22CT		G3HCT	DF1MM		DJ2BW	W1DV/DU2		WA2RKX	FP8DX		WA1AYS	HH5CB		K9WJU	JD1FHL		JM1FHL	LX2FT		OZ4FT
A22DC		VE3BIS	N2CBU/C6A		N2CBU	EA6ET		JW5NM	FR7BP		WØAX	HI8LC		W2KF	JT1AN		W7PHO	LXØRL		LX1DC
A22GM		N4FD	WB4OSN/C6A		WB4OSN	EA8OR		DJ6JI	FW8CC		F6CSK	HI8LCH		WB2LCH	JTØGM		UK3DAU	M1V		M1C
A35MJ		KA7GLS	ON6BC/C9		ON6NY	EA8QL		I8RC	FWØQA		KØCS	HK1AMW		WB3AOP	JW1UW		LA1UW	M1Y		IØMWI
A35ZZ		KØCS	CE3BNT		WB6WOD	EA8TM		OZ7FG	FY7KHU		REF	HK7UL		N7RO	JW4PG		JW5NM	OA3AK		WBAVH
A4XFS		G8CUO	CE5D9Q		CE5SG	EA8ZI		SM5IWC	FYØGWF		F3CF	HKØBKX		WB4QFH	JW4GN		LA9VX	OA4DW		N4DW
A4XGY		K2RU	CEØZAD		WB6WOD	ED3RPC		EA3VM	G5CFU		K6RU	HKØCOP		W9UCW	JW5IJ		JW5NM	OD5FB		WA2QAU
A4XJM		G3PKD	CG1MCS		VE1CR	ED91CH		EA9JV	GB2BA		G2HJT	HKØQA		K4TXJ	JW5NM		"	OD5LX		SMØDJZ
A4XJO		WB3JRU	CN8AD		F8JL	EK9C/Ø		UK9CAE	GD5HLG		DL4FF	HL4YJ		JA4BLF	JW6MY		LA6MY	SP6IXI/OE6		PAØNOL
A4XYE		GM3ITN	CN8BJ		K4CEB	EK9D/Ø		UK9CAA	GD5CFJ		K6PU	HL91P		N5TP	JW7FD		JW5NM	OHØW		W1DA
A4XYF		"	CN8CO		WB3KGY	EK9K/Ø		UK9CAE	GD5CTM		DF6ST	HMITR		JW5NM	JW8BDA		"	OH2BDN/OHØ		OH2BDN
W6KG/A4		YASME	CN8CX		K4CEB	EL2AD		WA3HUP	GD5DQQ		DJ3TU	HPIXAT		WB3KGY	JW8KT		"	OJØMR		OHØAA
A6XAW		PE1AGR	CN8EU		KA4S	EL5G		K3RB	GD5EEO		DK9ZL	W9NXD/HR2		N8CVH	JW8LU		"	OX9OA		OZ1FAO
A6XD		DF9NM	CO2HQ		WB6QPG	EL7A		DL8DF	GD5EPB		DL2SA	N4FKZ/HR5		N4FKZ	JW9UU		"	OY5J		WA3HUP
A6XJO		WB3JRU	CO2HS		"	EL8N		SM4CWT	GJ5DSD		N4EA	HR8AL		WA4VDE	JWØA		"	OY9R		K2IJI
A6XWT		PEØMGM	CO7AM		"	EN6A		UK6AAJ	GJ5EOV		"	HS1AMB		JW5NM	JX6RE		LA6RE	P29NBF		K6UJV
A71BJ		G4HNP	CQ1BGC		CT1BGC	EP2TY		JR3WHG	GU3EHF		K2UO	HS4REL		OE2RKL	JX7FD		JW5NM	P42C		PJ2PF
W6KG/A71	via	YASME	CQ1BKE	via	CT1BKE	FB8WH	via	F6BFH	GU3TXF	via	G3TXF	HT1CTJ	via	HK3LT	JT3ZH	via	DJ9ZB	P42E	via	WA2SPL
A92DQ		K2IJL	CQ2CQ		CT2CQ	FB8WI		F6GXB	GU5CIA		N6MA	HT4ZHC		WB8SSR	JY8AU		OE3ALW	P42J		W1RM
G5ACI/AA		YASME	CQ5UW		CT4UW	FB8XAB		"	GU5DSD		WA4WPO	HV3SJ		IØDUD	JY9RC		W1CKY	P47E		W5AT
AH2AI		WA3HUP	CQ6OF		WA3HUP	FB8ZP		F6KNO	GU5EOV		"	HZ1SS		WD5BQM	KC6LQ		KD6LQ	W1BIH/PJ2		W1BIH
AH2AQ		WBØLTF	CQØLN		CT1LN	FB8ZQ		F6AJN	GW5CFJ		K6RU	IS1AEQ		IS1WON	KH7AA		KH6JEB	K3UOC/PJ3		K3UOC
AH6DY		KW6NF	CR9CT		KB2XS	FCØVQ		DJ4OP	HL4LSH		AD1S	J2ØA		F6ATQ	KH6LW/KH7		"	W3BTX/PJ5		W3BTX
AH8A		WB6FBN	CR9T		WA4IKZ	FØBLZ/FC		I4LBFY	H5AFU		G4KLF	J2ØBL		F6BFN	KH8AC		WB2ACL	K6PVM/PJ5		XE2PG
AHØB		JA2VUP	CS1UA		W3HNK	FH8CM		DJ1TC	HBØBHA		DK6NN	J28DM		F2GA	KØCS/KH8		KØCS	K2KTT/PJ7		K2KTT
AHØC		N6BT	CS4UA		"	F6DZD/FH8		F6DZD	HBØCIQ		HB9CIQ	J28DP		"	KHØAC		K7ZA	W3BTX/PJ7		W3BTX
AP2KD		JJ1TBB	CSØUA		"	FK8CE		K2ROR	HBØLL		DJ9ZB	J28DS		F6DZD	KP2G		KM5D	W4UY/PJ7		W4UY
AP2MQ		JA3CMD	CT1UA		"	FK8DB		G3AOO	DK7PE/HBØ		DK7PE	J37AH		W2GHK	K5NA/KP2		W4JVN	PJØII		N8II
BV2A		K2GM	CT2CQ		W4PKM	FKØAE		F6EWK	HC1BP		W4PKM	J4ØBE		KL7IUW	K4IIF/KV4		W4KA	PY1DFF		PY1BFZ
C3ØTC		EA3AOC	CT2EE		WA7GXD	FM7CD		F5VU	HC8GI		W3HNK	J5HTL		SM3CXS	KC6GM/KI6		WD6HUZ	PYØTA		PY1VOY
C31NA		F2PC	CT5UA		W3HNK	FMØAYU		F5QE	HG1KZC		HA1XR	J6LKY		N7KA	L2M		LU1BR	PYØTB		PY1BVY
C31PB		HB9AQL	CT6UA		"	FMØFTP		FG7BG	HG100KZC		HA8UB	J6LOV		K2QIE	L8D/X		GACW	PZ5DX		K3BYV
C31SZ		G4HYQ	CT7UA		"	FMØGXO		F6CKE	HH2BM		W6RP	J73B		8P6QI	LU1ZA		LU2CN	R1AKD		UK1ABW
C31XO		F6GOW	CU1UA		"	FMØHOR		K6YRA	HH2CQ		K4JPD	J73DF		N4CRU	LU1ZB		"	S2BTF		JW5NM
C53CL		EA8ZZ	CU5UA		"	FOØFO		F2BS	HH2JR		KA5V	VE3DFD/J73		VE3DUS	LU1ZC		"	S79LA		F6DXA
C6ABA		G3AMR	CUØUA		"	FOØIC		F6GZI	HH2MC		KB4II	J88AB		W2MIG	LU1ZR		"	SJ9WL		SMØEMG
C6ABC	via	KZ4C	DPØLEX	via	DL6NI	FOØIW	via	F6EQN	HH2SD	via	VE3CVZ	J88AQ	via	"	LU3ZI	via	CA3U	9Y4RD/SU	via	9Y4RD

W3TB/TF VIA K1LJU ('83 CBA ONLY) QSL UPDATE - Part 2

LONG ISLAND DX BULLETIN

SV1LV	via	K2FS	V3DX	via	N6ADI	VP8SB	via	G4DMA	ZC4CS	via	J11VLV	3D6AK	via	G3WPF	5NØMSL	via	GM3WT	[illegible]	via	WD4NKI
SV8CS		G3FNJ	V3FB		JA1KLY	VP9AD		W3HNK	ZD8DA		ZD8AR	3D6BS		N7RO	5N2ZMKR		OE3RK	7P8CG		KØFH
SVØCR/9		WA7GAR	V3HE		DL1JW	VP8IB		N5UR	ZD8JGN		W9CN	3V8AA		IS0LTN	5R8AL		WA4VBE	7P8CI		KA2CDE
SVØAA		N2OO	V3IM		JJ1CXI	VP9KA		WL8PM	ZD8HF		ZD8AR	3V8AL		DL5MBY	5T5AP		GI4AUM	7P8CP		SM5GOJ
T3ØAT		G3XZF	V3TV		G3ATK	VQ9CI		KA8UMB	ZD9BU		ZS1PR	DL5DAR/3X		DL1QD	5T5AI		F6FMU	7P8CR		WD5JKE
T31AF		WH6AIF	V8ØMA		VE4TZ	VQ9CM		WB9ZDS	ZD9BV		WA7RU	DK9VC/AD1		DK9VC	5T5CJ		WA8AA	7X2MM		I8YCP
T32AK		W9RCU	VK3HLZ		PAØALO	VQ9KF		W3POP	ZD9EX		KA1DE	AK1CR		UA3CR	5T5KR		F1AHE	7Z1AKL		DF9KP
T32AL		WB7SIC	VK6AHI		K8CW	VQ9SB		WA6IJZ	ZF2AF		WØGI	AK1D		UA1AFM	5T5KI		F6FMU	7Z2AP		I8YCP
T32AM		"	VK9XW		VK6NE	VQ9VO		KB6VO	ZF2AG		N8AG	BX3CR/AK1		UA3AKL	5T5TO		F6HRM	8P6J		WA6OTU
DJ6SI/T5		DJ6SI	VKØAB		VK2BRN	VQ9WB		WD9GIG	ZF2AO		VK1AVI	AKØA		UA1MU	5V4GV		W2KF	8P6MI		VE3JTQ
OH2JL/T5		OH2JL	VKØAP		VK3FR	VR6KY		LA7JO	ZF2BS		K1ITT	4N1A		YU1FJK	5V7ZW		AK3F	8P6OR		K5MHZ
TA1RA		K8RA	VKØAS		VK3DJV	VS5AM		JM1FHL	ZF2DS		"	4N1U		YU1EXI	5V7WD		WB9LFM	8P6PC		N2AMM
TF5TP		DL7MQ	VKØCW		N2DT	VS5DD		GØKPE	ZF2FJ		DF1AI	4N4T		YU4TW	5W1DW		VK3VU	K5PRX/8P6		K5VRX
TG9GI		IØWDI	VKØDX		VK7LJ	VS5XU		DL1LD	ZF2FK		K9QVB	4N6C		YU Bureau	5W1DX		WB2LVB	VE3LGC/8P6		VE3LGC
TG9XLG		KA4SAE	VKØHI		N2DT	VS6BS		JA7AYE	ZF2FL		N6RJ	4N9MG		YU4GYZ	5W1EA		KØCS	8Q7AB		K5BO
TI8AC		N4NX	VKØJS		HIDXA	VS6CT		KB9N	ZF2GE		WA4WTG	4S7NH		DJ2KH	5W1EH		W6OUL	8Q7AE		I2ZAQ
TJ1GH		DL1HH	VKØNL		"	VS6GZ		GØKLHGC	ZF2GN		N8AVK	4S7OM		DF5BQ	5X1FS		KI9G	8Q7JA		JA8NMU
TJØRG/TJ		W5KU	VKØSJ		"	VS6IM		K1MM	ZF2GO		WB9OTX	4S7TZG		OH6TZ	5Y4CI		PAØADC	8Q7TU		DK3AD
TL8CK		F6EHH	VKØRC		VK3DJV	VU9TOU		K4TT	ZK1BH		W6KNH	4U1VIC		OH3OLM	5Y4CV		W2KF	8K1I		8K1B
TL8CR		F6AQO	VKØRE		VK3CIR	VY1CJ		VY1AU	ZK1XS		KØCS	VE2DW/4U		VE2FKI	5Z4CI		PAØADC	9K1FBS		N5APW
TL8DC		F6EHH	VKØWF		GM3LLO	WHØAAB		JO1CRA	ZK1XX		K6OZL	4X6DF		KG2MB	5Z4CM		W5BCB	9J2TT		JH3DPB
TL8GE	via	F6FYD	N6YK/VP2A	via	N2AMM	XL1ASJ	via	VK1ASJ	ZK2AU	via	K6RU	4X6GP	via	K2VUI	5Z4CS	via	JI1VLV	9K2BI	via	N6TR
TO6CBK		F6CBK	VP2ER		KC5EA	XL1RN		VK1RN	ZK2KH		DJ9KH	4Z4DX		WA4WTG	5Z4CV		W2KF	9L1JW		DJØGH
TR8JD		F6AJA	VP2KBU		KQ4FW	XQ2JCG		VE2DU	ZL9AAA		VK3GD	5B3LB		SM6APQ	5Z4JA		JA8CDT	9M6KD		JL1KDX
TT8AC		W4NX	VP2MDB		W2WSE	XQ5BIB		CE5BIB	ZP5PX		W3HNK	5B4LY		OH2PAL	5Z4JR		OH2BAH	9M6NO		KO2A
TT8AD		HB9CLA	VP2MKD		MØDH/7	XQ8KKK		CE8AA	ZS1XR		N7RO	5B4MM		VE7DLM	5Z4MI		SM3CXS	9M6WW		W9GM
TT8BC		K4PKE	VP2MKS		K5BZN	XT2AW		KN1DPS	ZS3E		K6KFS	DLØHSC/5B4		DF8ZH	5Z4MN		JI1VLV	9M8FW		G4AIC
TU2DF		KC4IR	VP2MR		W5ST1	XT2HL		EA5HLG	ZS3GB		MØAFW	5H3BM		SMØDJZ	5Z4MD		DFØBY	9M8LAM		WIGAY
TU2GA		K9KZA	VP2NSS		K3RKI	DFØHP/XZ		DL2KAO	ZS3N		DK2DZ	5H3DM		G3MXR	5Z4WL		DL3WL	9M8ON		N7KE
TU2HJ		W3HNK	VP2VD		VP2VBK	YBØACL		WA4RRB	ZS4PB		N7RO	5H3LB		SM6FYJ	6C35A		YK1AA	9N1MPO		WIGAY
TU2JT		F6CXV	VP2VDH		N6CW	YBØADJ		KA6N	ZS5LB		W2LT	5H3LE		DL5CMT	6C35M		YK1AN	9N1OAT		W6OAT
TU2LS		K3GYD	VP5FUI		K9VV	YJ8DX		JL1KDX	ZY1NEZ		PY1NEZ	5H3MI		SM5KDK	6C35N		YK1AN	9N1RFT		JA1KBH
F6FIC/TZ		F6CRS	VP5KP		W6SZN	YJ8NMB		WA2MNM	1Z9A		W7PBO	5H3YL		SM6BDW	6C350		YK1AO	9N1VLV		"
U9H		UA9OBA	VP5MOX		KF1V	YK1AA		DJ9ZB	3A2KE		F9RN	5N3EGA		I6DZV	6E5HX		N6ND	9N1IOU		K4JT
UK1POO		UK3SAB	VP5WJR		KA5BPE	YK1AN		"	3A2LJ		3A2AKM	5N6ATT		KAPVZ	6T1YP		DF3NZ	9N38		W1GAY
V2AAW		N2AWM	VP5X		WB9TIY	VK2DVG/YK		VK2FKI	3A2SI		F2SI	5N6DJA		K6NDW	6W8DS		WA4VDE	9O5DSD		WA4MPO
V2AMX		K9MX	VP8AEN		GM3ITN	YS1X		DJ9ZB	F9UW/3A		F9UW	5N6PDC		"	6W8DI		VE4SK	9O5JM		F3LQ
V2ARO		WB6SHD	VP8AOB		KØJW	YS9JY		N5EKI	3B8DB		K5EXX	KG7UU/5N6		"	6W8FZ		DJ7BG	9N1VV		JMØMM
V2AS		OE3ALW	VP8AOE		"	YT3L		YU3EA	GALJF/3B8		GAJTO	5N7MKR		OE5RI	6W8HL		WA4VDE	9N1MC		DJAPX
V2AU		"	VP8APK		RSGB	Z21GN		KA4ROR	3B9CD		3B8CD	5N8BG		GAOGY	6Y5BW		KA3GSM	9X5SL		DL8DF
V2AXA		KA1TA	VP8APQ		GAIPQ	ZB2EO		K3MNW	3B8DA/3B9		3B8DA	5N8BRC		W3HNK	6Y5DA		VE4JK	9X5SP		DL8OA
KB5RF/V2A		KB5RF	VP8AQK		GAJA	ZB2KK		GAHTQ	DK9XB/3B9		DLØLH	5N9GM		I8XIU	6Y5KG		VE3KGK	9X5TP		VE2BOE
N6TK/V2A		MØDH/7	VP8AQU		KØJW	ZB2HL		GAGTQ	DL9EAJ/3B9		"	5NØATW		OH5NT	N1GL/6Y5		N1GL	9Y4VT		WB6KXI
K9LA/V2A		"	VP8HZ		GM3ITN	GM3YOR/ZB2		RSGB	3D2KR		W5RBO	5NØDBA		WB9WFC	K1XA/6Y5		AK1U	9Y4XX		"
V3DW	via	KC7LE	VP8NI	via	"	ZC4BP	via	"	3D2WR	via	G5RP	5NØRFA	via	DL8UZ	WZ9SE/6Y5	via	WZ9SE	9Y50JN	via	K2QIE

DX TIPS: ZD7WT ON 10-40 CW ONLY. TRY 28.039 AT 1600Z, 21.035 AT 2000Z, 7.004 AT 0030Z. QSL VIA ZD8TM, TOM MOYCE, C/O CABLE & WIRELESS LTD., ASCENSION ISLAND. TR8JD ON 14.040 ABT 0000Z. WATCH FOR ASIATIC RUSSIANS UA9, UAØ, ETC. ON 20 ABOUT 0000Z TO 0200Z, SIGNALS COME OVER THE N. POLE. HZ1AB IS ON 1827 KHz AT 0200 AND 7.005 AT 0330Z, QSL VIA K8PYD. TWENTY METER PHONE EXPANSION IS EFFECTIVE 0001Z, 22 MAY; NEW SEGMENTS ARE EXTRA 14.150 UP, ADV. 14.175 UP, AND GENERAL 14.225 UP. W3TB/TF SENDS GREETINGS TO ALL ON .67, WILL ADVISE OF OPERATING SCHEDULE AS SOON AS HE IS SET UP. HE WILL TRY TO QSO/QSL ICELAND TO ALL WHO NEED IT--CW & SSB.

(TIPS FROM W3TI, W3IVG, A13R, A13Q, K3YD)