

DXing with 2M Packet

Agenda

- | Introduction
- | Required equipment
- | Packet addressing introduction
- | How to find DX stations
- | Sending messages
- | Using the PACSAT gateways
- | Miscellaneous
- | Results



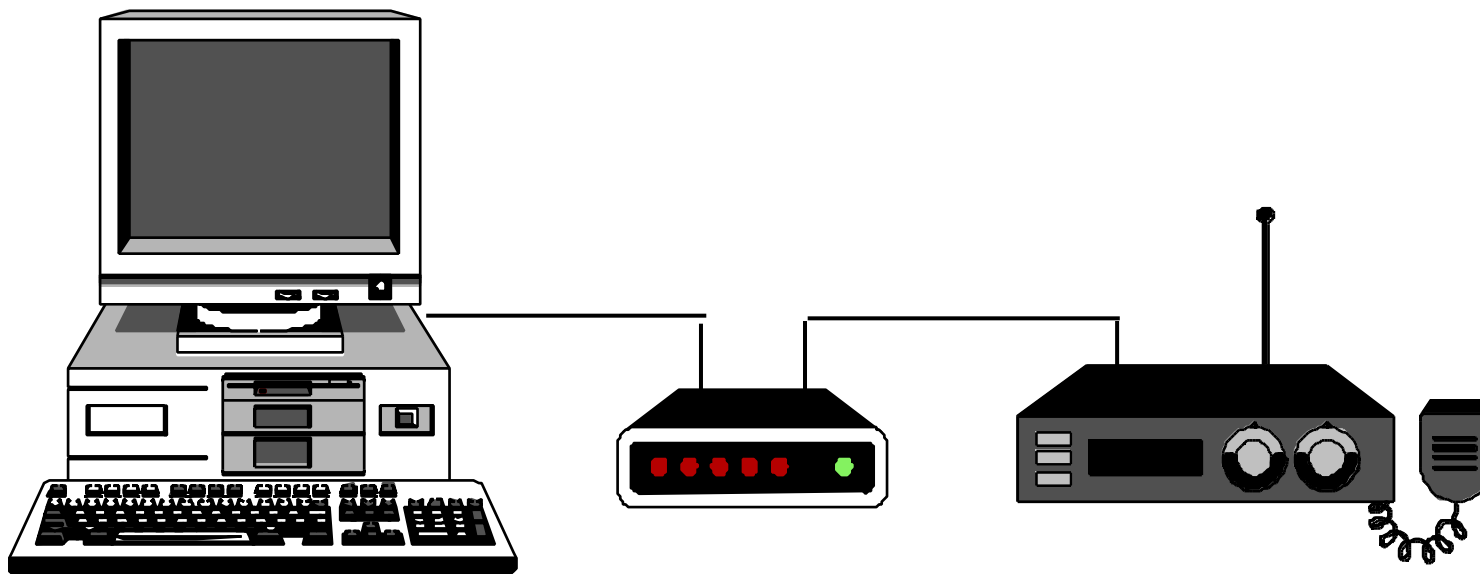
Building Global Friendship

Note: The examples in this presentation are based on the FBB packet BBS system. Other packet BBS systems such as W0RLI, AA4RE, and others provide similar capabilities. Check with your sysop for commands which may be different.

DXing with 2M Packet

Equipment Requirements

Equipment required for doing everything shown in this presentation



**Computer
or
Terminal**

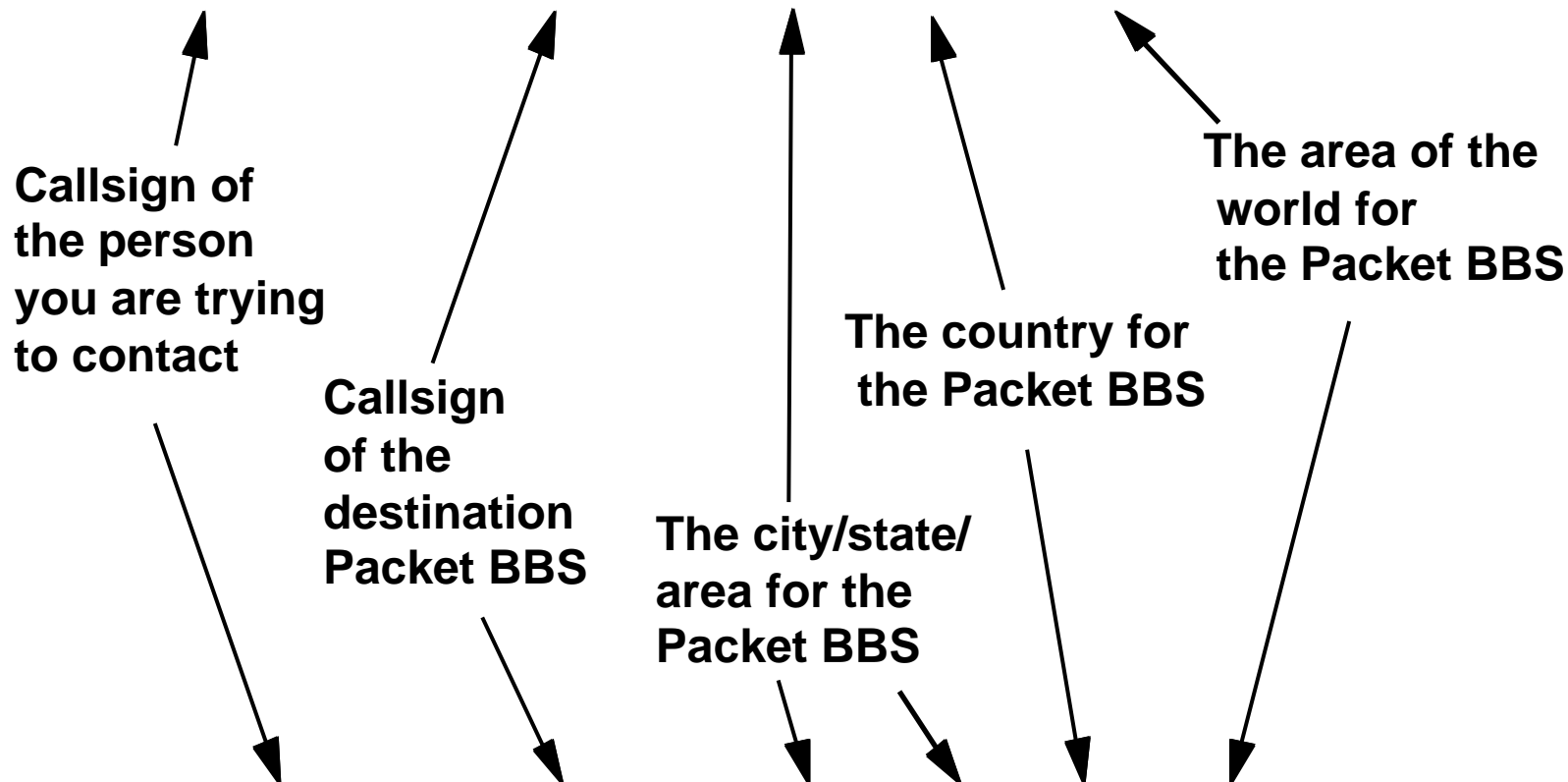
**Terminal Node
Controller, TNC
(Packet Modem)**

**2M/70CM FM
Transceiver
(or HT)**

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Packet addressing introduction

G0PBZ @ GB7BED.#21.GBR.EU



N5VGC @ N5AUX.#DFW.TX.USA.NA

Note: My real address:

N5VGC@N5VGC.#DFW.TX.USA.NA

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Finding DX Stations

- | **Watch what's on your local packet BBS**
 - CQs
 - Messages from other areas of the world
 - Addressing information on various bulletins

- | **WP (White Page) Servers**

- | **Magazines and newsletters**

- | **Friends local and around the world**


- | **Internet (if you have access)**

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Finding DX Stations

To locate CQ's do: **l> cq** or **ls cq**

0:N5VGC>l> cq



Msg #	TSL	Size	To	@ BBS	From	Date/Time	Subject
=====	====	=====	=====		=====	=====	====/==== =====
29102	B\$	429	CQ	@WW	VK3USB	0525/1334	CQ.CQ From Australia!
28973	B\$	987	CQ	@WW	F6GPM	0523/2011	CQ FROM FRANCE !
28842	B\$	895	CQ	@WW	4Z9CHB	0520/1925	*** CQ CQ QSL, PSE ***
28684	B\$	751	CQ	@WW	GU0GWJ	0522/1408	***CQ EVERYONE

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Reading the CQ

| To read the CQ from Israel do: **r 28842**

0:N5VGC>r 28842

From : 4Z9CHB
To : CQ @WW
Type/status : B\$
Date/time : 20-May 19:25
Bid : 9695_4X4HF
Message # : 28842
Title : *** CQ CQ QSL, PSE ***
Path: !W5IFP!4X4HF!
Hi !

My name is Ohad and My QTH is Haifa which is in the northern part of Israel. My QTH locator is KM72MT.

I collect QSL cards from all over the world.

I would like to have yours.

If you don't have one, a postcard with a view of your QTH will be great.

You can send it via the bearu or directly.

My address: Ohad Miller 4Z9CHB

12 Ha'ari st.

Haifa 33190

ISRAEL.

73's and shalom de Ohad 4Z9CHB @4X4HF.ISR.MDLE with PMS (4Z9CHB 25h a day)

===== End of message #28842 =====

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Other Sources of CQ's or addresses

| To locate other CQ's do: **|> all**

```
|> all
Msg#      TSL   Size  To @ BBS      From      Date/Time Subject
=====  ===  =====  =====  =====  =====  =====
54753     B$    2691  ALL @WW      DJ8KI     0825/1522 >>CQ from GERMANY<<
54751     B$    1113  ALL @WW      IK1QLD    0827/2128 FROM TURIN UNIVERSITY
54750     B$    1387  ALL @WW      EB4AFG    0825/1840 CQ CALIFORNIA
54619     B$    792   ALL @WW      KD6TKS    0827/2004 WANTED-PACKET FRIENDS
54581     B$    2744  ALL @WW      ON1BRS    0829/2122 CQ-WW CQ-WW
54568     B$    1070  ALL @WW      G1VWB     0831/1012 CQ CQ FROM THE UK
54016     B$    1113  ALL @WW      2E0AAB    0819/2004 CQ DE DAVE
```

| Sometimes CQ's are DX bulletins: **|> dx**

| Additional addresses are found in bulletins: **|@ ww**

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Bulletins from Other Areas of the World

From : BV5AF @ KB6GVT.#SOCA.CA.USA.NA
To : ALL @ ALLUS
Date : 920626/0438
Msgid : BN 6020@KB6GVT, 4421 @N5LDD \$57583_BV5AF
Subject : about BV4AS
Path :N5AUX!WO5H!N5AUX!N5IST!K3WGF!WA5QZI!W5IFP!KB5JBQ!WR3K
!W7JHX!KC7CG!KB7TV!KA6HMG!KB6GVT

R:920626/1702 @:N0IA.#SONEV.NV.USA.NA Las Vegas #:2935 Z:89107
R:920626/1652z @:N0IA.#SONEV.NV.USA.NA AP/NTS LAS VEGAS Z:89107 #:48230
R:920626/1604z @:BV5AF.TWN.CHN.ASIA [PL04gc.APLink] Z:500 #:14467
R:920626/1548z 57583@BV5AF.TWN.CHN.AS [PL04gc.Port E] Z:50062

From: BV5AF@BV5AF.TWN.CHN.AS
To: ALL@ALLUS
Subject: about BV4AS

Address in Taiwan

Text Deleted

Name in Taiwan

73 de Bolon, bv5af
AsiaNet/AMPRNet Taiwan

On N5AUX on July 16, 1992

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Addressing Information on Various Bulletins

Bulletin example

From : FB1RCI @ FF6KED.FPCA.FRA.EU ←
To : KEPLER @ AMSAT
Date : 920701/1558
Msgid : B+ 4872@FF6KED, 4618@N5LDD \$4872_FF6KED
Subject : MIR 2Line day=183
Path :XE2XPK!KC9PX!XE1OGH!XE1GGO!W3IWI!WB3FFV!KB2EAR
!WA2AAR!WA2JVM!F6CDD!FF6KIF!TK0KP!F2XC!FF6KED

MIR

1 16609U 86 17 A 92182.83839957 .00008766 00000-0 12975-3 0 3963
2 16609 51.5960 178.4184 0016708 228.8671 131.0956 15.56007606364407
----- End of message 4618 from FB1RCI @ FF6KED.FPCA.FRA.EU -----

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WP (White Page) Servers

White Pager Server lets you do search commands:

N5VGC: B,C,D,H,?,I,J,K,L,M,N,R,S,T,U,V,W >

→ IH ISR

On 920429 4X1DA @ 4Z4SV.ISR.EU zip ???

On 900104 4Z4SV @ 4Z4SV.ISR.EU zip ?? Shoresh , Israel

On 920213 4X1RU @ 4X1RU.ISR.MDLE zip ??

5070 calls, 3 deleted, 3 found

N5VGC: B,C,D,H,?,I,J,K,L,M,N,R,S,T,U,V,W >

→ IH FRA

On 920711 TK3LO @ TK0KP.FCOR.FRA.EU zip ???

On 911222 FC1EVM @ FC1GJC.FMLR.FRA.EU zip ???

... (text deleted)

On 910617 F1LBL @ F1LBL.FCAL.FRA.EU zip ?? #4385 [Aumetz - FBB5.12

On 911206 FF6KIF @ FF6KIF.FCAL.FRA.EU zip ?? #24837 [Reims - FBB5.12

→ On 910617 TK0KP @ TK0KP.FCOR.FRA.EU zip ?? #34483 [Ajaccio - FBB5.12

On 910617 F1EBV @ F1EBV.FMLR.FRA.EU zip ?? #31983 [Montpellier - FBB5.12

On 910617 FE6BIG @ FE6BIG.FRHA.FRA.EU zip ?? #117020 [Annecy - FBB5.12

On 910221 FC1PKI @ FC1PKI.FAQL.FRA.EU zip ?? #21141 [Pey (Dax) - FBB5.11a

On 910220 F6ABJ @ F6ABJ.FRPA.FRA.EU zip ?? #115816 [PARIS - FBB5.12

5070 calls, 3 deleted, 15 found

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Magazines and newsletters

→ **73 Magazine, March 1992, International Column page 64**

Ron Gang 4x1mk @ 4x4sv.isr.eu

→ **Practical Wireless, June 1992, Radio Diary column, page 35**

Mike G0MKK @ GB7CYM.GBR.EU

Bob Baal G4YQC @ GV7MXM.GBR.EU

→ **And many other sources...**

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Sending Messages

- | It's best to write the message in a file on the computer first and transmit it to the packet BBS
- | **ALWAYS include your full return address in the message that you send**

SP full address

Message Title

Text line 1

Text line 2

Text line n

/EX

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Sending Messages

Response to Ohad in Israel:

SP 4Z9CHB @ 4X4HF.ISR.MDLE

Response to your CQ

Hello Ohad. This is Presley, N5VGC from Dallas, Texas and I'm responding to your CQ message.

Dallas is a big city in Texas and there are lots of hams in Dallas on packet. I'd like to know more about your family in Israel and will tell you more about my family in Dallas. I'd also be interested in exchanging QSL cards with you.

I will look forward to a message from you.

(28 February 1994 02:30 UTC)

73's Presley N5VGC @ N5VGC.#DFW.TX.USA.NA

/EX

← Send private message

← Message subject

← Time and date

← Full return address

← /EX to terminate msg

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Sending Messages - 2 Ways

| Upload to your local packet BBS

- Upload the message your local Packet BBS system such as WO5H or N5AUX or WB5EKW in Abilene or W5SYT in Austin
- Messages will be routed by the particular BBS with their standard packeting routing
(Note: PMS on TexNet does NOT forward messages)

| Request the PACSAT gateway

- Requires addressing format in PACSAT gateway information
- Upload the message to your local Packet BBS systems

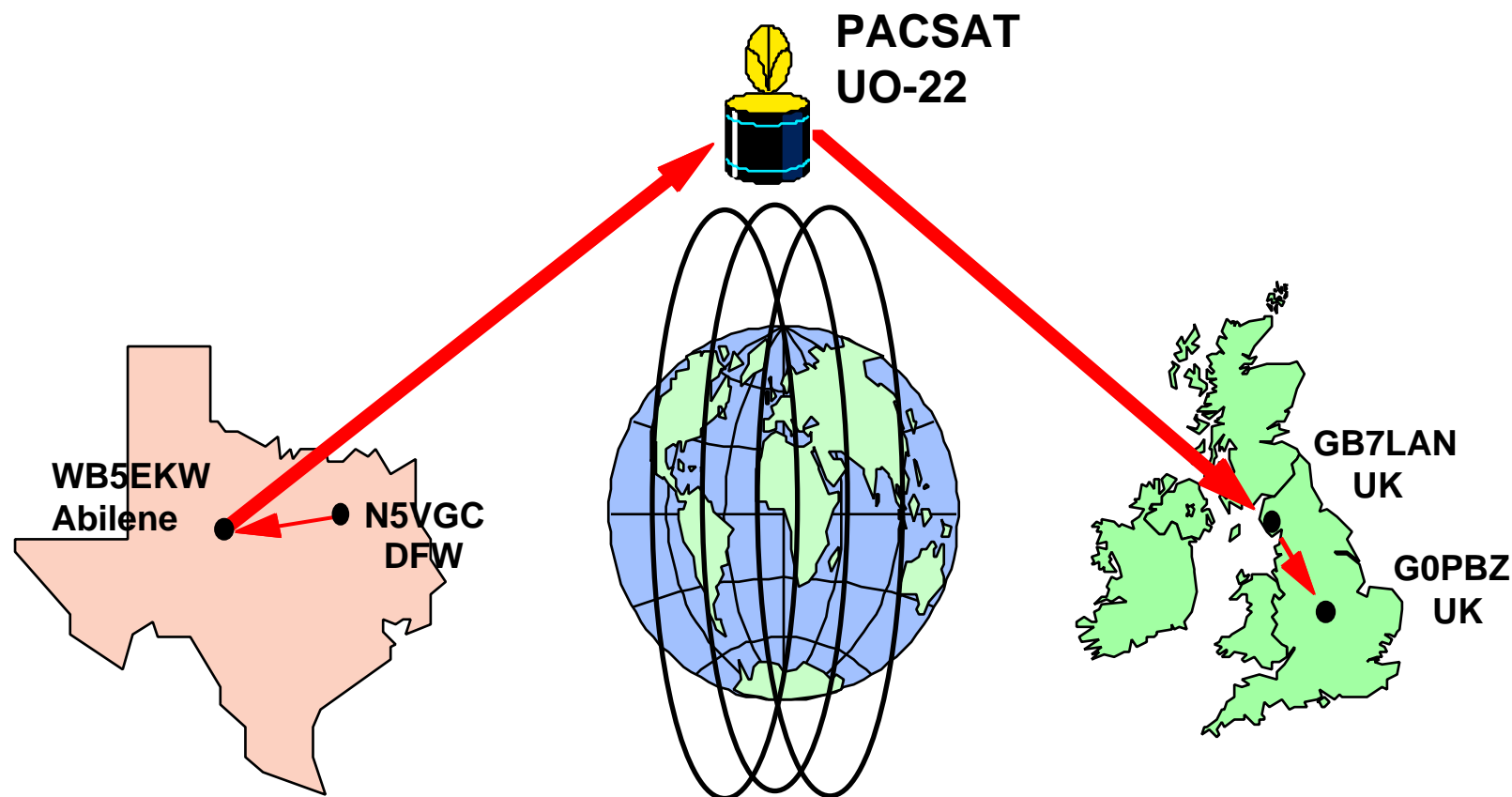
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Using Satellite Gateways - What Happens?

- | Message is uploaded to local Packet BBS**
- | Message is forwarded to the satellite gateway station specified**
- | Message is formatted for a PACSAT and is uploaded to either UO-22, or KO23**
- | Message is downloaded by the gateway closest to the destination Packet BBS**
- | Message is reformatted for into regular packet format and passed via regular packet channels to the final destination Packet BBS**

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Using Satellite Gateways - What Happens?



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Using Satellite Gateways - How?

- Prepare your message with internal addressing
- Select closest gateway site to your QTH
- Upload to your local Packet BBS system

SP REQSAT @ WB5EKW.#WTX.TX.USA.NA ← Gateway request

Howdy from Texas ← Message subject

SP G0PBZ @ GB7BED.#21.GBR.EU ← Final address

Hi Max, I'm glad to get your message and find out that you are back in town. I'll send the data you requested in the mail tomorrow.

73's Presley (23 July 1993 0300 UTC) ← Time and date

N5VGC @ N5VGC.#DFW.TX.USA.NA ← Full return address

/EX

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Satellite Gateways

Call	@BBS	Service Area
NORTH AMERICA		
WB2VPH @	WB2VPH.NY.USA.NA	NY, MA, VT, RI, NH, CT, VE2
NR3U @	NR3U.PA.USA.NA	PA, NJ, MD, OH, VA, WV, DC, DE
WH6AMX @	WH6AMX.#MLBFL.FL.USA.NA	FL
W0SL @	W0SL.MO.USA.NA	CO, NE, KS, MO, IA, AR, WY, IL
NU9H @	NU9H.#NWIN.IN.USA.NA	WI, IN, MI, KY, VE3
WB5EKW @	WB5EKW.#WTX.TX.USA.NA	TX, NM, OK
N8DEU @	N8DEU.#HSV.AL.USA.NA	AL, MS, LA, GA, TN, NC, SC
KB7CNN @	N7SBP.#WWA.WA.USA.NA	OR, WA, HI, VE7
W9HGI @	W9HGI.#NOCAL.CA.USA.NA	CA, UT, ID, NV, AZ
VE4SET @	VE4SET.#WPG.MB.CAN.NA	ND, SD, MT, MB, AK
VE1HD @	VE1PAK.NS.CAN.NA	AB, NT, YT, SK, VY1, VE4, VE5, VE6, VE8
HH2B @	HH2BM.#PAP.HTI.CAR.NA	NF, LB, PE, NS, VO1, VO2, VE1, VE9
		AIA, ATG, BHS, BRB, GRD, HTI, LCA, MSR, GLP, JAM, MTQ, PR, CYM, PR, CYM, DMA, SPM, KNA, VGB, TTO, TCA, DOM, VCT, VI
XF3R @	XF3R.#CUN.QR.MEX.NA	MEX, CUB, PAN, BLZ, HND, NIC, GTM, CRI, SLV

List is Subject to Frequent Change

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Satellite Gateways

Call	@BBS	Service Area
EUROPE		
EI6EH @ EI6EH.IRE.EU		IRE
F6FBB @ F6FBB.FMLR.FRA.EU		FRA, CHE, ITA, AND, GIB, AF (CIV, GAB, SEN)
LA6KJ @ LA2K.KNES.Y.NOR.EU		NOR
OH6LFG @ OH6SAT.FIN.EU		FIN, SWE
G3LDI @ GB7LDI.#35.GBR.EU		LTU
EA3AKS @ EA3AKS.EAB.ESP.EU		ESP, PRT
ON4KVI @ ON4KVI.LU.BEL.EU		BEL, DNK, NLD, DEU, LUX, AUT, POL, TCH, SVK
G8TZJ @ GB7LAN.#16.GBR.EU		GBR. MLT
SV8RV @ SV8RV.GRC.EU		GRC, HUN, TUR, ALB, MLT, YUG, HRV, ROM, BGR SVN, HRV, MDLE, RUS, UKR, BIH
MIDDLE EAST, AFRICA, and ASIA		
A45ZO @ A45ZO.MCT.OMN.MDLE		PAK, LKA, KWT, IND, BGD, SAU, OMN
ZS1ABM @ ZS0STB.WCP.ZAF.AF		ZAF, RWA, ZWE, NAM, MRU, SWZ, STP, MOZ
JA6FTL @ JA6FTL.JNET6R.JPN.AS		CHN, TWN, IDN, SGP, MYS, THA, MAC, KOR, PHL, HKG, GUAM
JA0BCY @ JA0BCY.08.JNET0.JPN.AS		JPN
VK4CJO @ VK4CJO.QLD.AUS.OC		QLD, TAS, #NE.NSW, #BH.NSW, #CW.NSW, VK9
VK2XGJ @ VK2XGJ.NSW.AUS.OC		ACT, VIC, #MTG.#SA, DRW.#NT, #SA, #WQ, #NT, SLB, NCL
ZL4HG @ ZL4HG.NZL.OC		NZL

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Satellite Gateways

Call

@BBS

Service Area

SOUTH AMERICA

CX5AE @ CX5AE.MVD.URY.SA

PY2GN @ PY2GN.SP.BRA.SA

ZP6RO @ ZP6RO.PRY.SA

LU8DYF @ LU8DYF.OLIVOS.ARG.SA

URY

BRA

PRY

SUR, VEN, GUY, PER, ARG, ATA, BOL

COL, CHL, ECU, FLK, GUF

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Miscellaneous

- | To call **CQ**, send a bulletin to ALL or CQ
SB CQ @ WW
SB ALL @ GB7ZAA.#34.GBR.EU
- | Be sincere in what you say - make friends and have fun
- | Always answer all message that you receive
- | Use words that people who do not have English as their native tongue can understand
- | Be patient ... and keep trying. **Not all messages or all CQ's will be answered**

DXing with 2M Packet

Results

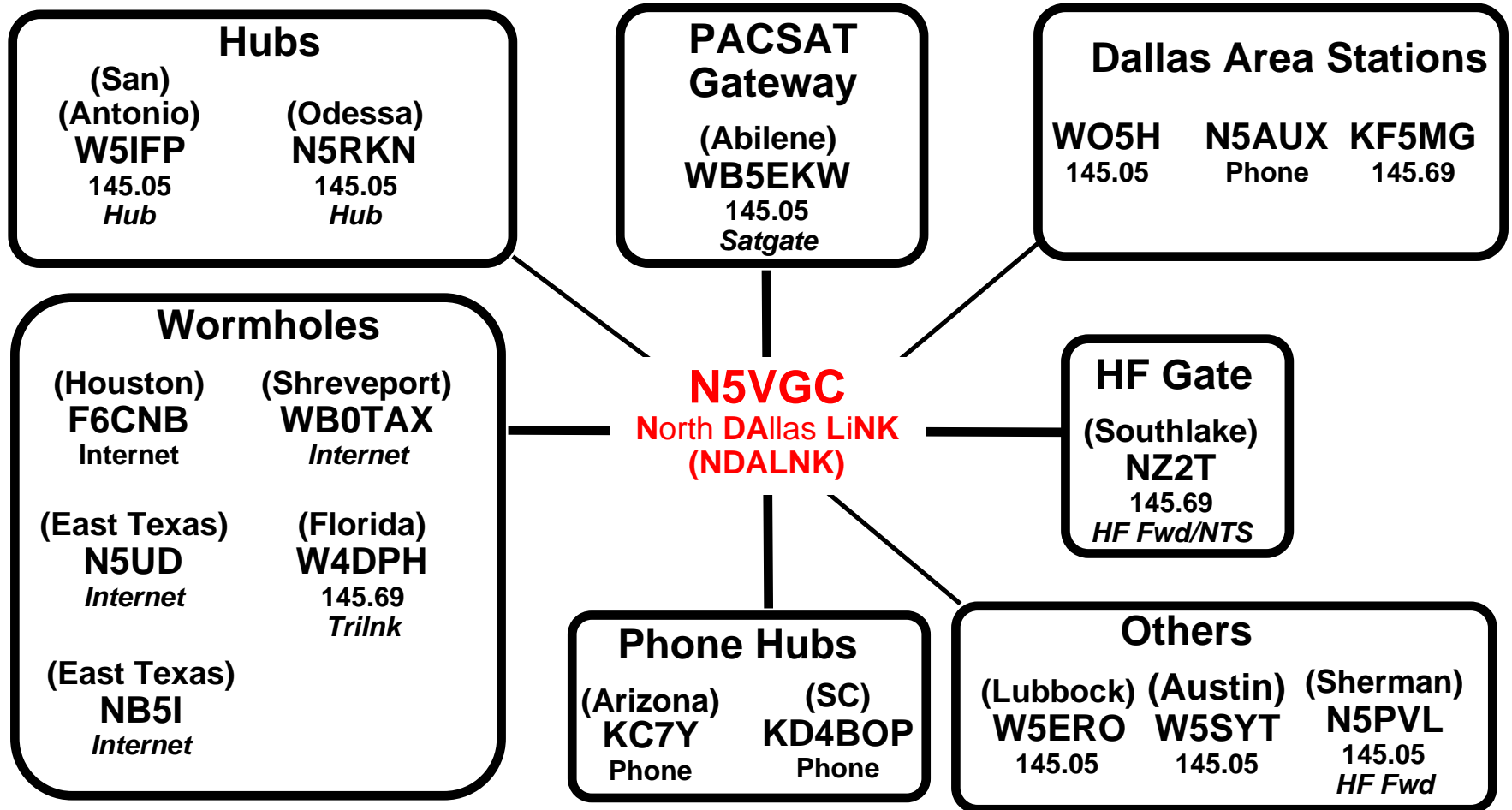
Messages to you from around the world!

Msg.#.	TS...	Size..	To.....	From.....	Date/Time.	Subject.....	1100z
28329	PN	1771	N5VGC	G7LHQ	0720/0513	Hi Presley	
28328	PN	1242	N5VGC	DG2MDJ	0720/0511	Augsbrg again via apcket	
28327	PN	3732	N5VGC	G0PQY	0720/0511	HELLO TEXAS	
28137	PN	1271	N5VGC	OE1EJA	0717/0604	Vienna here.....	
28034	PN	1903	N5VGC	G0PBZ	0716/1516	PART 2!	
28033	PN	1544	N5VGC	G0PBZ	0716/1515	GREETINGS	
28032	PN	2089	N5VGC	G0PQY	0716/1514	HELLO PRESLEY	
N5VGC>							

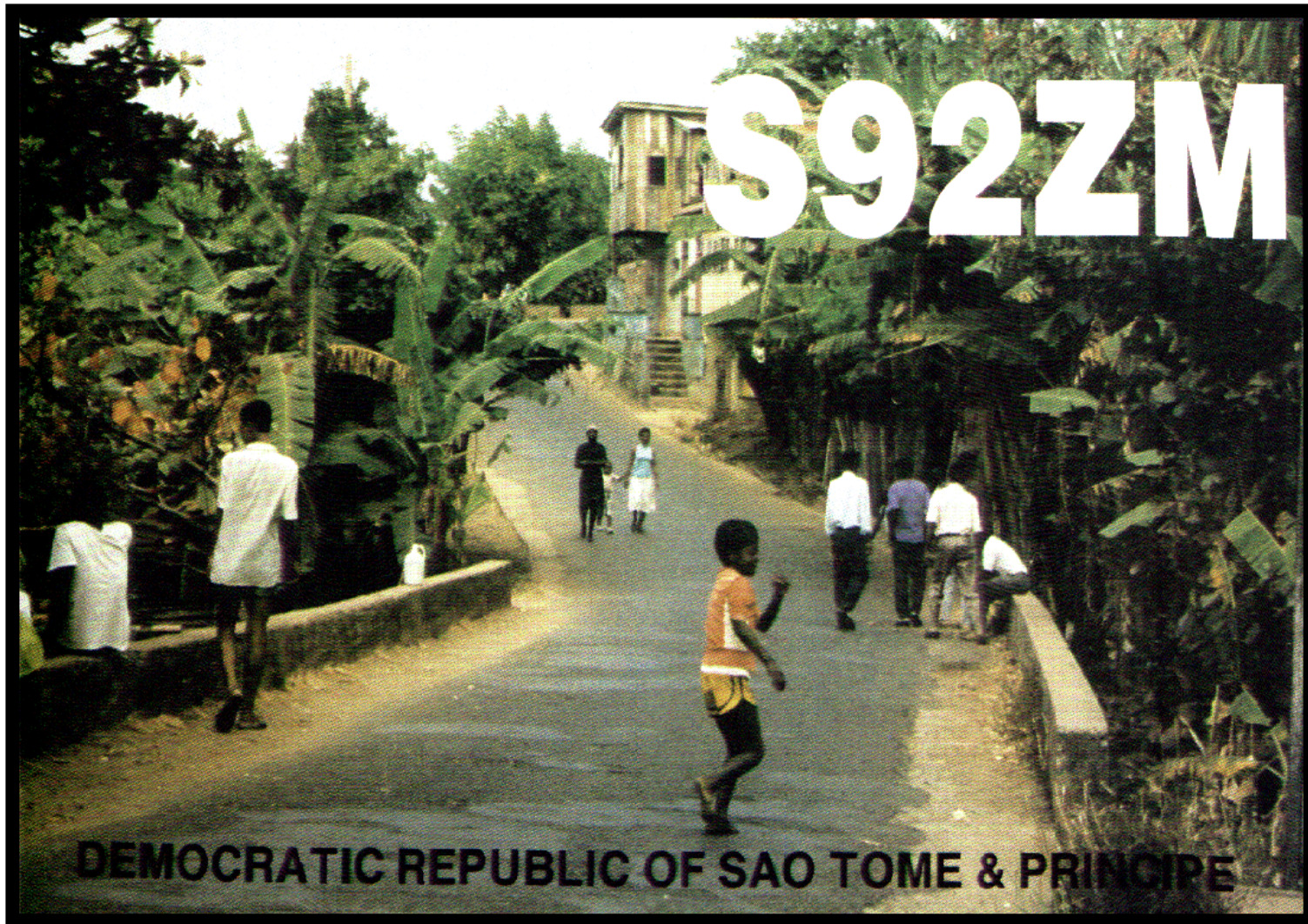
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NDALNK

Message and Bulletin Sources/Destinations





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 **VENEZUELA** 
SOUTH AMERICA
YV4DSZ @ YV6EVV.#YVNET.POZ.VEN.SA
(FJ88PH)

YV 4 DSZ

ZONA 9 EDUARDO BRAUNSPAHN L.

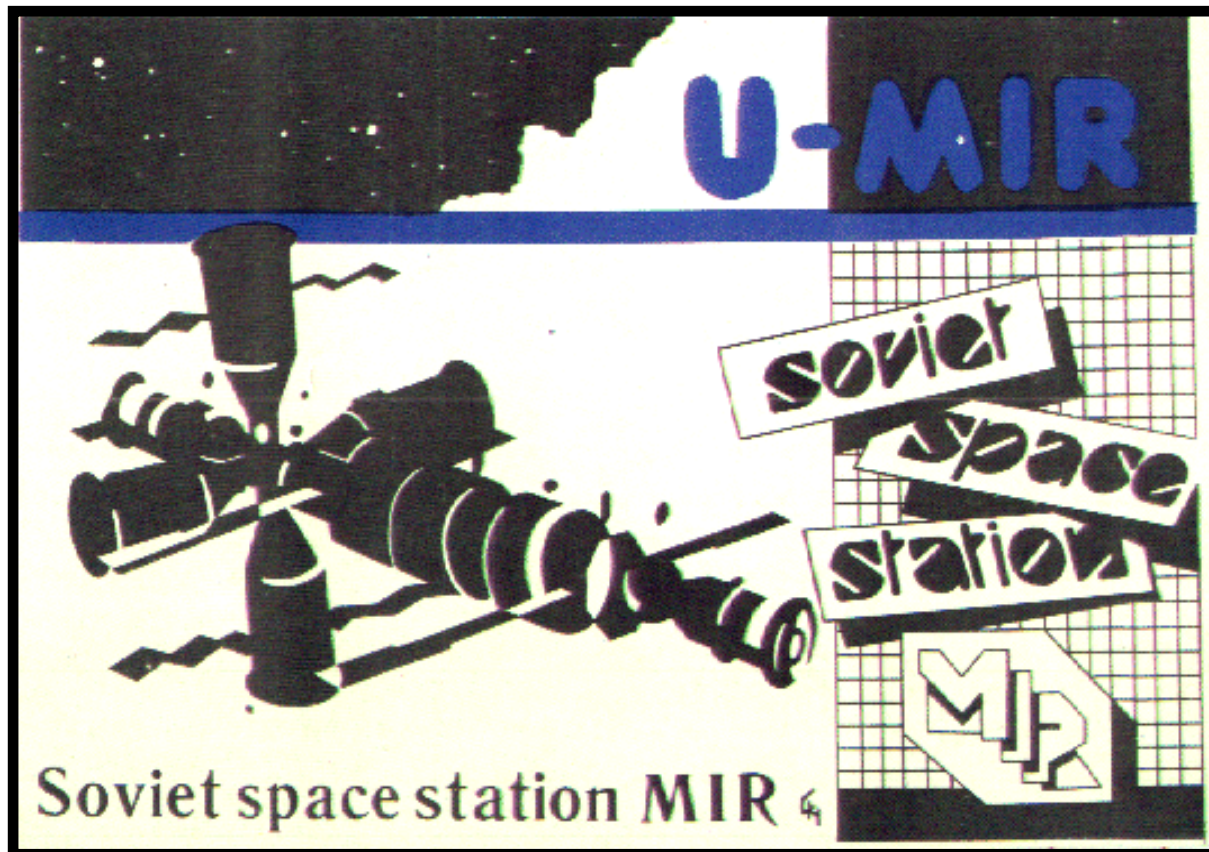
RADIO *N5VGC* VIA:

FECHA			HORA	MOD	BANDA	SEÑAL	TX QSL PSE
Día	Mes	Año	UTC	TWC WAY	BAND	RST	
5	7	95	01:57	F1M VHF	145.05	5/9+	

78 DX P.O. Box 111 - C.P. 8015 - Ciudad Guayana - Venezuela

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**MIR is on 2M Packet on 145.55 Mhz Simplex
Callsign R0MIR-1**



DXing with 2M Packet

**MIR is on 2M Packet on 145.55 Mhz Simplex
Callsign R0MIR-1**

