



Utility Monitoring Central Archive

Note that the UMC Archive files mainly cover defunct stations. Some stations may however still be active and some of the info may still be valid.

The organizations mentioned in this document provide or provided email service over HF radio

Bern Radio, Bern, Switzerland (Callsign HEC) (now part of Globe Wireless)

CruiseEmail, Hollywood, FL, USA (WGM/WLC/WHX)

MarineNet, Jupiter, FL, USA & Kiel, Germany (WKS/DAO)

SailMail Association, California & South Carolina, USA (WRD719/KZN508)

SeaWave/Pin Oak Digital, New Jersey, USA (WPC/WHW462)

Seven Seas Cruising Association, Tennessee, USA (KGA528)

SEVEN SEAS CRUISING ASSOCIATION, USA

Last update: 11/Nov/2001

Transmission Modes: PacTOR 200bd 200Hz
PacTOR-II HF Modem

Logged Frequencies: 4805.0 4807.0 7822.0 10523.0 13936.0
13937.0 18234.0 21862.0 21866.0

Web Address: <http://www.sca.org>

Notes:

- The organization appears to have many similarities with the established SailMail Association, operating as an easy to use, cheap provider of email to yachtsmen.
- Vessels use their allocated FCC callsigns as identifiers.

Reported Callsign:

KGA528 Nashville, TN, USA

BERN RADIO "HEC", SWITZERLAND

Last update: 11/Mov/99

Transmission Modes:

SITOR-A 100bd Erect 170Hz
SITOR-B 100bd Erect 170Hz SBRS mode
PacTOR-1 200bd 200Hz
PacTOR-II HF modem PSK
Clover-2000 HF modem BPSM

Logged Frequencies: 8071.7 13991.7 18231.7 20091.7**Reported Frequencies:** 3011.7 4764.7 5442.2 11173.7**Web Address:** <http://www.bernradio.ch>**Notes on Operation:**

- [SAT][SUN]
- HF Email, fax, telex, data and telephone services provided by the maritime station of the same name. End-users are fixed, land mobile and maritime. Software (DTS Mail) is available at the website for free download, and provides DES encryption for traffic.
- Variety of modems in use, where the end-user pays a premium for higher throughput.
- No selcal or marker noted.

Regular maritime-style SITOR-B traffic list broadcasts on the even hour:

0400 4764.7 5442.2
0800 5442.2 8071.7 11173.7
1000 5442.2 8071.7 11173.7 13991.7
1200 5442.2 11173.7
1400 5442.2 11173.7 13991.7 20091.7
1500 5442.2 11173.7 13991.7 20091.7
1600 5442.2 11173.7 13991.7 20091.7
1800 5442.2 13991.7
2000 5442.2 8071.7
2200 5442.2
2400 8071.7

Callsign	Location
:251ZAK	
9SD42	
CONAKRY	Conakry, Guinea
DF0GTZ	GTZ (Gesellschaft fuer Technische Zusammenarbeit), Germany
HBT1100	
HEC	Bern, Switzerland
HFB70C	
MYXS5	

CODAN PTY LTD, AUSTRALIA

Last update: 11/May/2001

Transmission Modes: MIL-188-141A 125bd 1650Hz ALE
Codan 9000-series HF Modem

Logged Frequencies: 10438.0

Web Address: <http://www.codan.com.au>

Note:

Australian-based manufacturer of communications equipment, with extensive network of offices worldwide which operate a pool of test frequencies.

ALE ID	Location
1201	Paris
1201UU	
1303UU	
2011	Switzerland
2012	Switzerland
JOHN	London

CRUISEEMAIL, USA

Last update: 11/Nov/2001

Transmission Modes: PacTOR 200bd 200Hz
PacTOR-II HF Modem**Logged Frequencies:**

2124.0	4464.0	5058.3	7327.5	9185.0	12197.0	14942.0	18763.0	22890.0
2127.0	4503.0	5330.0	8050.5	9204.5	12894.0	16190.0	18910.0	24575.5
2196.9	4625.5	6316.0	8055.5	9360.0	13585.0	16258.0	22275.0	24590.0
2248.0	4641.0	6771.0	8072.5	12130.0	13865.0	16580.0	22588.0	24615.0
4212.0	5017.0	6858.5	8085.0	12185.0	14888.0	18172.0	22876.0	24682.0
4439.5	5023.5	6932.5	8418.0	12194.0	14936.0	18573.0	22888.0	24764.0

Web Address: <http://www.cruiseemail.com>
<http://www.xaxero.com>**Notes:**

- The organization appears to have many similarities with the established SailMail Association, operating as an easy to use, cheap provider of email to yachtsmen.
- A further station located in Seattle will probably be operational by late 2001.
- Vessels use their allocated FCC callsigns as identifiers.

Callsign	Station
WGM	Hollywood, FL, USA
WLC	Roger City, MI, USA (on test)
WHX	Annapolis, MD, USA
ZMH302	Auckland, New Zealand

MARINET (WKS/DAO) , USA and GERMANY

Last update: 11/Nov/2001

Transmission Modes: PacTOR 200bd 200Hz
PacTOR-II HF Modem

Logged Frequencies:

2630.0	4265.0	5260.0	7570.0	9060.0	12165.0	13895.0	17048.0	19810.0	22900.0
2848.0	4453.0	5285.0	8511.9	9160.0	12763.5	13910.0	18190.0	19835.0	24510.0
4244.0	4595.0	7525.0	8638.5	12115.0	12832.5	16978.4	18290.0	22870.0	24540.0

Web Address: <http://www.marinet.net>

Note:

Public coast station and common carrier service providing email, SSB radiotelephone, satcomms and other communications to vessels.

Callsigns:

DAO Kiel, Germany

WKS Jupiter, FL, USA

PIN OAK COMMUNICATIONS "WPC", "WHW462" USA

Last update: 11/Nov/1999

Transmission Modes: PacTOR-II HF Modem

Logged Frequencies:

2070.5	3245.5	4551.5	5851.5	7565.5	10965.5	13560.5	18370.5	22238.5
2072.5	3345.5	4555.5	5910.5	7951.5	11065.5	13965.5	18847.5	23150.5
2651.5	4154.5	4765.5	6235.5	8025.5	12370.5	16551.5	18868.5	25123.5
3165.5	4169.5	5150.5	6259.5	8302.5	12418.5	16614.5	20045.5	25159.5
3175.5	4455.5	5355.5	6855.5	8338.5	13420.5	18270.7	22181.5	

Web Address: <http://www.pinoak.com>

Notes on Operation:

- [SAT][SUN]
- Commercial email-over-radio service operating from transmitters in Gladstone, New Jersey USA. Originally registered as an experimental service using the callsign "WHW462", service and frequencies have been expanded under the new callsign WPC.
- Uses proprietary secure email service and modem called "PODLink", based on a commercial PacTOR-II PSK HF modem.
- Selcals "WHW462" periodically when channel is idle, followed by "WPC" in CW (also after traffic).

Callsign

WHW462	Gladstone, NJ
WPC	Gladstone, NJ

ROHDE & SCHWARZ GMBH, GERMANY

Last Update: 11/May/2001

Transmission Modes: MIL-188-141A 125bd 1650Hz ALE
R&S 2400bd PSK HF Modem

Logged Frequencies: 5786.0 6770.0 7500.0 7512.0 8165.0 9212.0
11130.0 12160.0 14550.0 25120.0

Web Address: <http://www.rsd.de>

Note:

German-based Manufacturer of communications equipment, headquartered in and around Munich with extensive network of offices worldwide which operate a pool of test frequencies.

ALE ID	Location
EAGLE	
KHARTOUM	
PARIS	
RSMUNICH	HQ, Munich
SPACEMAN	

SAILMAIL ASSOCIATION "WRD719" "KZN508", ETC.

Last update: 05/Nov/2001

Transmission Modes: SITOR-A 100bd 170Hz
PacTOR-1 200bd 200Hz
PacTOR-II HF Modem

Logged Frequencies:

WRD719	2661.4	5881.4	7971.4	10343.0	13971.0	13986.0	18624.0												
WHV681	2713.4	2800.4	5824.0	5861.4	8020.4	10320.0	10982.0	13915.0	13946.0	18296.0									
WHV382	2794.4	5830.0	7995.0	10315.0	13940.0	18277.0													
KUZ533	2686.4	5836.0	7957.4	10325.0	13930.0	18264.0													
KZN508	2656.4	5876.4	7961.4	7981.4	10331.0	13992.0	13998.0	18618.0	18630.0										
XJN714	4805.0	7822.0	10523.0	13937.0	18234.0	21866.0													
VZX1	5085.8	6357.0	8442.0	10476.2	12680.0	13513.8	14436.2	16908.0	18594.0	22649.0									
RCO1	7857.4	10335.0	13930.0	18264.0	22212.0	27888.0													
V8V2222	5212.0	10323.0	13426.0	14987.0	20373.0														
OSY	6330.5	12580.5																	
WPTG385	2719.4	5858.0	7940.0	10360.0	13905.0	13925.0	18375.0	22880.0											

Web Address: <http://www.sailmail.com>

Notes on Operation:

- [SAT][SUN]
- The SailMail Association is a non-profit association of yacht owners that operates and maintains two FCC licensed, two-way, private coast stations in the Maritime Mobile Radio Service. The Association provides radioprinter (e.g. Internet email) communications for its members on a cooperative basis, in order to meet the private business and operational needs of the members' yachts.
- Standard PacTOR selcal mechanism and periodic CW identification.
- Ships use their allocated maritime callsigns as addresses.

Callsigns:

KUZ533	Honolulu, HI, USA
KZN508	Rockhill, SC, USA
OSY	Brugge, Belgium
RCO1	Pretoria, South Africa
V8V2222	Brunei Bay, Brunei
VZX1	NSW, Australia
WHV382	Friday Harbour, WA, USA
WHV681	San Luis Obispo, CA, USA
WPTG385	Corpus Christi, TX, USA
WRD719	Palo Alto, CA, USA
XJN714	Lunenburg, NS, Canada

Sample Message Formats:

Example 1: Typical PacTOR traffic from base to vessel WCY4151

WRD719 WRD719 WRD719 WRD719 WRD719 WRD719 WRD719 WRD719 WRD719 WRD719
WRD719 WRD719 WRD719 I-2.0.8-BFHIM\$]

Welcome to SailMail!

WCY4151 de WRD719 QTC 7 Msgs 7822 bytes>
-1.4g-BFe WCY41551 de WRD719
FA P EMAIL WCY4151 WCY4151 SM-16004 1160
FA P EMAIL WCY4151 WCBFHIM\$]
Welcome to SailMail!

WCY4151 de WRD719 QTC 7 Msgs 7822 bytes>
9
FA P EMAIL WCY4151 WCY4151 SM-16004 1160
FA P EMAIL WCY41548
FA P EMAIL WCY4151 WCY4151 SM-16110 1198
FA P EMAIL WCY4151 WCY4151 SM-16027 427
F> 17

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