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*Tell Roy -  
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# RTTY/FAX

## Monitor These RTTY Frequencies

MT reader Bill Kirchner has been enjoying his new Kantronics Radiotap and has a list of RTTY stations he has uncovered which he would like to share with fellow listeners.

A few CW stations are thrown in for good measure!

Thanks, Bill for sharing this fine list of loggings with fellow Monitoring Times readers.



FREQ(MHZ)

- 3.287 MILITARY?
- 3.600 HAM NET
- 3.624
- 4.059 NEWS AND MIXED LANG
- 4.152 MILITARY?
- 4.250 "
- 4.515 MARS
- 5.215 MARS ARMY NET
- 5.460 MILITARY?
- 5.460 S AMERICAN NEWS
- 6.234 SHIPS
- 6.376 SHIPS
- 6.444 GULF OF MEXICO WX
- 6.444 SHIPS
- 7.090 SALE
- 7.092 ,
- 7.705
- 8.120 NEWS, ENGLISH
- 8.200 "
- 8.230 "
- 8.306 MILITARY?
- 8.342 RTTY
- 8.407 CW
- 8.416 CW
- 8.444 NEWS, ENGLISH
- 8.484 SHIP TO SHORE,ATLNTC
- 8.584 "
- 8.614 WX
- 8.665 HOUSTON SHIP TO SHORE CW
- 8.805 MILITARY?
- 9.888 WX, RTTY
- 10.464 NEWS, ENGLISH
- 10.948 S AMERICAN PROPAGNDA
- 11.010 S AMERICAN NEWS
- 11.435 MILITARY
- 11.453 MILITARY
- 11.475 NEWS,MIXED LANG
- 11.649 RTTY TEST TAPE
- 13.032 NEW YORK SHIPPING CW
- 13.062 MILITARY
- 13.636 MILITARY
- 14.240 NEWS, ENGLISH
- 14.300 "
- 14.329 "
- 14.342 "
- 14.616 RANDOM MSGS
- 14.820 NEWS, ENGLISH
- 14.874 "
- 14.900 "
- 14.900 PROPAGANDA
- 14.908 SAN SALVADOR PROPAGANDA
- 15.480 NEWS, ENGLISH
- 15.908 SAN SALVADOR NEWS
- 16.106 NEWS, ENGLISH
- 16.108 FRENCH NEWS
- 16.132 FRENCH NEWS
- 16.136 CUBA PROPAGANDA,ENG
- 16.165 FRENCH NEWS,ENGLISH
- 16.185 S AMERICAN PROPAGNDA
- 16.211 NEWS, ENGLISH
- 16.348 NEWS, ENGLISH
- 16.425 FRENCHNEWS

- 16.440 FRENCH NEWS,ENGLISH
- 18.190 PERSONAL EXEC MSGS
- 18.193 SHIP TO SHORE CW
- 18.265 USCG
- 18.276 NEWS, ENGLISH
- 18.542 SHIP TO SHORE CW
- 18.604 USCG
- 19.067 MILITARY CW,ENG
- 19.067 NEWS, ENGLISH
- 19.532 AEM,-1-USA,NEWS
- 19.614 KDL,ZTSEE-TEST
- 20.019 NEWS, GERMAN
- 20.078 FRENCH NEWS
- 20.170 NEWS, GERMAN
- 20.226 WX, CW
- 20.318 S AMERICAN NEWS
- 20.328 NEWS, ENGLISH
- 20.351 FRENCH NEWS
- 20.083 TRP,FRENCH NEWS
- 20.583 TRP,FRENCH NEW
- 20.785 TRP,FRENCH NEWS
- 21.400 CW, ENGLISH
- 22.146 CW, ENGLISH
- 22.255 CW,SANTA CRUZ(DOS)
- 22.396 DIPLOMATIC CW, ENG
- 22.425 PORTLAND SHIPYARD
- 22.545 WEATHER,AIRCRAFT & MISC
- 22.557 CW, ENGLISH
- 22.781 NEWS
- 22.783 CW, ENGLISH
- 22.845 FRENCH NEWS
- 22.885 NEWS, ENGLISH
- 23.715 S AMERICAN NEWS
- 23.717 CW, ENGLISH
- 23.770 CW, ENGLISH
- 24.159 TRP,FRENCH NEWS
- 25.383 CG CW



HAM RADIO COMPUTER NETS

- APPLE
- 14.300-900 SUN 0100 Z
- 14.329 SUN 1700
- 7.260 SAT
- 3.900 SAT 0200
- 8.230 SAT 0900
- ATARI
- 14.320 SUN 1600 Z
- 3.965 WED ?
- 7.235 SUN 1830
- 7.230 MON 1800
- 7.230 SUN 1800
- COMMODORE
- 14.240 SUN 0500 Z
- 14.240 MON 1730
- 3.825 ? 0400
- TIMEX/SINCLAIR
- 3.917 ? ?
- 7.225 ? ?
- 7.228 SAT-SUN 1300Z
- 7.240 SUN 1100
- TRS80
- 14.342 SUN 2000 Z
- 7.270 SUN 2200
- OTHER COMPUTER NETS
- 14.320 SUN 7000 Z
- 3.965 WED ?
- 7.235 SUN 1830
- 7.230 MON 1830
- 7.235 SUN 1100
- 21.400 THUR 2330

### RTTY PROPAGANDA

The propaganda encountered on RTTY is often strong as exemplified by this item from TASS, the official Soviet news agency.

"MOSCOW APRIL 5 TASS THE U.S. RULING ELITE WOULD LIKE TO USE THE OLYMPIC GAMES IN THE UNITED STATES TO FURTHER ITS PROPAGANDA GOALS, THE NEWSPAPER "SOVETSKYHYPOT" SAYS TODAY. THESE GOALS WILL BE PURSUED IN THE FOLLOWING WAY: FIRST, UN-BEARABLE CONDITIONS WILL BE CREATED FOR MAJOR RIVALS, FIRST AND FOREMOST, ATHLETES FROM SOCIALIST COUNTRIES; ...; AND, FINALLY IT IS NECESSARY TO SMEAR IN EVERY WAY THE SOVIET UNION..."

incoming signals from France. Signals are extremely "rounded" due to the low-pass filter effect of the long cable. Skilled operators had little difficulty in translating the undulations.

- 4)Radio Telegraph Wheatstone transmitting tape. Perforations on the top side of the tape create "mark" or key-down conditions. Holes on the bottom release the mark condition.
- 5)Radio Telegraph receiving syphon recorder tape. Dots and dashes are clearly indicated by the pen moving "up" for "mark" and "down" for space.
- 6)Facsimile tape employed by Press Wireless, Inc., to bring ideographic news reports for Japanese and Chinese newspapers in the United States. Strip is in Chinese and reads..."formal diplomatic relations between two countries. The Government of the Republic of China..."
- 7)Hell Schreiber tape. Highly successful on radio telegraph circuits. Synchronization was no problem--as one line of print began to slide off the tape a second line above or below began to print. Transmission was by means of a commutator keyboard and received by a spiral scanner drum.

### Tall Tales of Tapes

Over the years, many types of permanent records of transmissions have been attempted. Remember the old "ticker tapes"? This month Donald K. de Neuf of Southbury, Connecticut treats us to a sampling of tapes through the ages.

- 1)Submarine cable transmitting tape. Block signals ...dots "up" ---dashes "down".
- 2)Outgoing syphon recorder tape showing block signals.
- 3)Syphon recorder tape of

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DHXP	CGE	CGE.A	.PGS	.ABTP	DRP
11	72.82	182.196	274.84	552.7	100.2

**VIEWPOINT from p.3**

If you or any of your subscribers require a particular HF frequency to be monitored in our part of the world (any mode - AM/SSB, CW, RTTY) then just write and I will do my best to accomodate your requests.

Hopefully the utility side (HF) of the frequency listings can be increased substantially (in Monitoring Times).

Allan Bennett, ZL2BGY  
26 Prospect Terrace  
Johnsonville  
Wellington 4, NZ

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I just thought I would write in today, to let you know how much I enjoyed reading your exclusive report on the actual locations of the 4-digit Spanish Numbers Stations. The article is quite informative and quite a revelation. Your April 1984 issue will go down in DXing history, as it brings together all the rumors and more important facts of the past 20 years regarding these "mystery sites." An article like the one in April 84 is what makes the "MT" such a useful and controversial publication. Keep up the good work!

For your information, I have already submitted a 2-year subscription renewal to your firm, for continuation of my subscription thru May 1986. As you can see, I really enjoy receiving your publication regularly as I always find it full of interesting and professionally written items.

Mark Chinsky  
Glen Head, NY

**GIFT TO WEATHERWISE from p28**

an entire ANALYSIS message and a sample of the corresponding plotted weather map, as well as broadcast schedules of coast stations, worldwide, which transmit ANALYSIS messages, I recommend an excellent looseleaf publication titled "MANUAL OF MARINE WEATHER OBSERVING" (MANMAR). Priced at CDN \$5.00, this manual may be ordered from Atmospheric Environment Service, Distribution Centre, 4905 Dufferin Street, Downsview, Ontario, Canada M3H 5T4. Money orders should be made payable to the "Receiver General of Canada."

This book (over 200 pages) is quite comprehensive, and includes all the details of the "Ship's Report" code to be discussed next, as well as the ANALYSIS code.

**NEXT MONTH: "OBS" - SHIP'S WEATHER REPORTS**

**SCANNING from p.7**

GALAX	VA 145.130
RICHMOND	VA 146.880
BURLINGTON	VT 146.850
SEATTLE	WA 145.330
SPOKANE	WA 145.430
MADISON	WI 146.760
MANITOWOC	WI 146.940
MILWAUKEE	WI 145.130
WAUSAU	WI 146.820
CHARLESTON	WV 146.880
NEW MARTINSV	WV 146.940

**SIGNALS FROM SPACE from p.9**

Anyone with any intercepts or thoughts is encouraged to contact this editor on milsat activity you have tagged down.

The Chinese have conducted their first test of a space system designed to launch geostationary COMSAT into orbit. PRC 14 was launched 1/29/84 (84-008A) at 1211 GMT from a new launchsite probably in Tibet (autonomous region of China) into a 31 degree inclination orbit.

From analysis of orbital information supplied by Goddard SFC, it would appear that this was a test of the apogee rocket and station-keeping system for future Chinese COMSATs. COMSAT monitoring buffs should stay tuned for later information on Chinese attempts at placing geo-stationary COMSATs into orbit.

**TALL TALES OF TAPES from p12**

- 8) Old Bunnell Morse inker tape.
- 9) Five level Teletype tape.
- 10) Six level Teletypesetter tape to operate linecasting machines from wire line networks.
- 11) New York Stock Exchange ticker tape. This tape was produced from a Press Wireless shortwave signal over a New York - San Francisco circuit. At San Francisco, the signals were automatically repeated back to New York for confirmation.

**HANK BENNETT from p.16**

yourself or in a group, SAFETY FIRST! Make absolutely sure that your antenna is safe guarded with a lightning arrestor in an approved manner. Make sure that all of your equipment is properly grounded as indicated in the operating manuals. A few more minutes of working time can make a big difference.

All extension cords that are run out from the house should be carefully insulated at connecting plugs and joints. Should a thunderstorm approach your location it might be just as well to close down operations until the height of the storm has passed.

You won't miss much

because the closeness of the static will ruin most reception. It's time then to lean back, enjoy some chow, or catch up on the logbook or reception reports.

When Field Day is over, please take a few minutes to write in and let us know what you did, whom you did it with and your results. If we get some interesting stories, we'll share them with fellow readers. Lastly, don't forget to try and increase your totals in the WDX Honor Roll, details of which can be yours for return postage from Hank Bennett, P.O. Box 3333, Cherry Hill, New Jersey 08034.

In closing this Field Day article, please refer back to the April issue of MONITORING TIMES, page 29, for the article on "Helpful Hints for the Storm Season." This article is particularly useful at this time of year, not only for Field Day, but for all times when there is a chance for thunderstorms.

**DX LOWEST POWER SW from p.16**

the spring of '80, CKFX/CKWX transmitters were moved south of the city of Vancouver to the southern shore of Zulu Island, only nine miles from U.S. waters. The end fire array for CKFX was replaced with an omnidirectional single element vertical, with thirty new radials in the dank, saline shoreland.

Comparing CKFX reception in western North America as it was in the 70's (awful) with what it is in the 80's (quite good at times), it seems the new antenna and site has been a boon to the ten watter. CKFX QSLs have been sent as far as Scandinavia and Australia, and at least a few have been awarded to U.S. DXers every month since their omnidirectional antenna installation.

The CKFX transmitter is a masterpiece of 1945 engineering, employing a single 807 tube final and two 807's

## South Pacific Weather Broadcasts

Two new NOAA weather facilities are scheduled to begin transmitting by the end of this year or by early next year.

WXM85 will serve Guam on 162.550 MHz and WXM86 will start broadcasting in Saipan on 162.400 MHz.

in push-pull for modulation. Operation is twenty-four hours a day, seven days a week, simulcasting with CKWX which has a country music format and stereo modulation.

As well as being the world's tiniest SWBC voice, CKFX may be one of the very few transmitters effecting AM stereo modulation on HF, and to my ear this improves their intelligibility. Even with 6 MHz/F<sub>2</sub> phase delays, it sounds good here!

CKFX can put in a respectable signal about an hour before and after Vancouver sunset, which in the winter is before Deutsche Welle sits down on 6085 kHz. Listeners should keep trying until the ozone shuttles, this pipsqueak through. Also check 6080 kHz when the 6160 kHz CBC Vancouver transmitter (500 watts) is well above noise level.

The CKWX programming contains plenty of advertising, to constitute a DX report, but don't sweat the weeks it may take their secretary to send the distinctive QSL.

Address reports to:  
CKFX Radio, 1275 Burrard St., Vancouver, BC V6Z 1Z8, Canada, with a reasonable accounting of their "WX1130" ads and music. There are certainly easier ways to hear Vancouver, but this cameo of "bush radio" can make a star performance when the ionosphere permits.

# SUPER COUNTRY

## CKFX

### 6080 KHz

49 METER BAND - POWER: 10 WATTS

ANT.: 2 ELEMENT VERTICAL ARRAY

1275 Burrard St., Vancouver, B.C., Canada V6Z 1Z8