

SPEEDX

The Bulletin for the Shortwave Hobbyist

SPEEDX

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GOT YOUR AWARDS YET?

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"UTILITY HUNTER"
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OBTAIN BY
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Initial Award
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1st sticker
(75 stations)

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Date of Issue
2nd sticker
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NO? TIME TO TALK TO HAROLD....

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3rd sticker
(100 stations)

Date of Issue
4th sticker
(200 stations)

Date of Issue
5th sticker
(300 stations)

Date of Issue
6th sticker
(400 stations)

Serial Number. 000

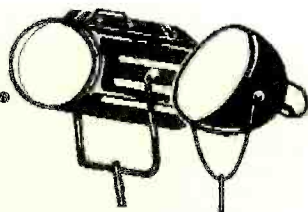
Harold Woering for SPEEDX Awards Council

AUGUST, 1991

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Spotlight on...



edited by: John Trautschold

354 N. Winston Drive

Palatine, IL 60067-4132 U.S.A.

(using the Atari 1040ST & Stacy 4 computers & SLM605 laser printer.....)

TOTAL CONTRIBUTORS FOR AUGUST 1991: 63

6 BABIN, ROBERT	MA	NRD525	5 LEWIS, YOLANDA	IL	
2 BAGOZZI, STEVE	CA	FRG8800	3 LUECK, WILLIAM	WI	S-108
2 BARRERA, GABRIEL	AR		4 LUKAS, HANK	NY	ICF2010
6 BELLOVICH, JOHN	FL		1 MADDEN, MICHAEL	IL	DX440
10 BISHOP, FORREST	NY	RF4800	1 MERRIFIELD, FRANCIS	NY	
6 BRAME, DANIEL	IL		8 MILLARD, THOMAS	TX	R5000
7 BROWN III, EDWARD	IL	ICF6800W	4 NEFF, GEORGE	FL	RF2600
2 CAMPORINI, DANIEL	AR		1 PAGANO, FRANK	DC	NRD525
5 CARD, PETER	RI	NRD515	1 PENNISI, LOUIS	NJ	
6 CARSON, JOHN	OK	NRD525	1 QUAGLIERI, AL	NY	EC958
3 CICHOREK, EDWARD	NJ	R5000	2 REESE, ORLA	DE	R5000
2 COLYARD, ROBERT	NJ	R2000	7 ROBINSON, BETSY	TN	IC-R71A
7 D'ANGELO, RICHARD	PA	IC-R70	1 ROBINSON, BRUCE	UT	DX440
3 EVANS, JAMES	TN	IC-R71A	9 RONTANINI, DON	FL	
2 FAMULARO, RALPH	JP	ICF6000A	3 SAARIKKO, LARRY	NY	
1 FANDERYS, MIKE	OH	ATS803A	1 SAMPSON, DANIEL	WI	FRG7700
7 FINDLATER, JOHN	CA		1 SEIDEN, MARK	FL	IC-R71A
1 FLANNAGAN, MELVIN	VA		1 SEYMOUR, WOODY	NC	SPR4
3 FLYNN, WILLIAM	OR	R2000	1 TAKEUCHI, KENJI	JP	R2000
4 FRASER, BOB	MA	ICF2003	2 THOMPSON, PEGGY	CA	FRG7
6 GAHARAN, CHARLES	LA	FRG8800	4 THORNTON, DON	NJ	NRD525
5 GEORGE, STEVE	MA	R5000	3 TRESCHER, FRED	PA	ICF2010
7 HANKISON, RICHARD	KS		1 UNDERWOOD, AL	NY	FRG8800
2 HARDESTER, MIKE	NC	IC-R70	1 VALENTINE, F.A.	CA	IC-R70A
7 HART, GERALD	MN	NRD535	2 WAKEFIELD, PAUL	IA	ICF2010
2 HUMENYK, MARK	ON	D2935	1 WALLACE, ANDREW	MA	
8 JOHNSON, TIM	IL	R5000	1 WASHBURN, CHARLES	ME	R1000
4 JONES, ANTHONY	TN	ICF2010	2 WEBER, DON	OH	R2000
7 KARCHESKI, WALTER	MA	R5000	8 WESTENHAVER, WILLIAM	PQ	ICF2010
4 KYBURZ, PHIL	CO		3 WILLERS, STEVEN	SW	NRD525
2 LEADER, PATRICK	IR	D2935	4 WOLFSON, MIKE	OH	R5000
2 LEVISON, HAROLD	PA	D2999			

FULL MEMBERS FOR AUGUST:

Boy...it's been a hot summer all around! Not only with our temperature's but with new full members and contributors as well! Let's begin with our new Full Members first!

TSUNAAKI ASHIMORI.....JAPAN
JOHN BELLOVICH.....FL

Welcome aboard and thanks for your support! I must add that Tsunaaki actually became a full member quite a few months ago, but due to an oversight on my part (oops) I missed listing him here on the list. Sorry about that Tsunaaki...but thanks anyway for your support and hope to see you here a lot in the future!

And now it's time for our:

FIRST TIME CONTRIBUTORS!

Welcome aboard to:

YOLANDA LEWIS.....IL
LOUIS PENNISI.....NJ
DON RONTANINI.....FL

Thank you for supporting the world's most active SWL & DX club...SPEEDX!

THIS N THAT

As usual, we're including a few columns from last month as well as excluding a few this month! Those missing columns from last month include: *Europe, Western Hemisphere, USSR, Africa and QSL Report*. The columns missing this month include: *Asia/Oceania and Utilities*.

And that's it for this month! See ya in September! This column was produced with the help of Soft-Logik's PageStream version 1.82 for the ST!



DX MONTAGE

LETTERS AND QUIPS FROM 'ROUND THE WORLD!

THE HISTORY OF RADIO BUDAPEST - PART II

submitted by *John Carson - OK*

The antenna was very good from electrical and broadcasting points of view, because its height surpassed half the transmitted wavelengths. This ensured transmission without fading to the entire country day and night. The 20 kilowatt equipment was modernized and began transmitting the programmes of Radio Budapest Two. The first experimental broadcasts on shortwave started at Székesfehérvár in the beginning of the 1930's. Regular overseas shortwave transmissions started on December 23, 1934 in Hungarian and English with two 5 kilowatt output transmitters. The output was later increased to 20 kilowatts. The shortwave transmissions of Radio Budapest have a history of more than 50 years.

Unfortunately, during the Second World War, the equipment of Radio Budapest was completely destroyed. The withdrawing Nazi troops not only blew up the installations, but in many cases dismantled the equipment, so that by the end of the war the country was without any radio transmitter whatsoever. The Post Office staff carried out heroic work in reconstructing the transmitters. One part of the equipment, which had been carried off, was found on the western frontier of the country, and Radio Budapest was first heard again on May 1, 1945. By the end of 1948, the Hungarian Standard Factory had built the new 135 kilowatt equipment which has been functioning without interruption ever since. The 314 metre antenna tower was also rebuilt and Budapest Two was also reconstructed at its new location at Szolnok, also with a capacity of 135 kilowatts. In April 1950 a new 100 kilowatt transmitter began experimental broadcasts on shortwave, and soon the broadcasts became regular.

The domestic service of Radio Budapest transmits three programmes: the first programme - Radio Kossuth - is aired from a new transmitter at Solt, on mediumwave with a 2,000 kW output, as well as on regional FM transmitters. The second programme - Radio Petöfi - is aired by ten mediumwave and regional FM stations, and the third programme, Radio Bartók is aired only on FM and VHF. The FM transmitters air programmes in stereo, and occasionally in mono. The first

programme tends to specialize in issues of national interest, round table discussions, talk, features, drama and - in general - classical music programmes. The second broadcasts "light programmes" and it transmits nonstop 24 hours a day, while the third programme specializes in high quality stereo classical, jazz and pop music. Radio Budapest has link-ups with international programmes, participates in the work of the UNESCO radio section, and has regular exchanges with the East and West, based on agreements concluded with these countries.

Radio Budapest transmits its domestic and overseas programmes from 26 modern studios, installed mainly with Hungarian made equipment. At present, Radio Budapest transmits daily on 6 SW transmitters in the 49, 41, 31, 25, 19, 16 and 13 metre bands, in six languages: Hungarian, English, German, Italian, Spanish and Turkish. The foreign language broadcasts are transmitted from three transmitters: two transmitters at Székesfehérvár each with 20 kilowatts output dipole antennas, two transmitters, 100 kilowatts each at Diósd, put into operation in 1983, with omnidirectional and rotary log periodical antennas, and two transmitters at Jászberény, with 250 kilowatts output, directed dipole antennas.

The target areas of our broadcasts are: Europe, North, Central and South America. Radio Budapest has excellent relations with its listeners. Radio Budapest was the third station in the world to start broadcasting DX programmes in English. Today, in addition to DX programmes in English, we transmit German, Italian and Spanish language DX programmes too, twice a week. These DX programmes have helped to establish long-lasting, good relations with national and international DX organizations and clubs over the past 25 years, and have promoted the development of the international DXing movement.

On the initiative of our DXers, our international organization, the Radio Budapest Shortwave Club was set up in 1965, which now has about 12,000 members on all continents acting as official monitors of Radio Budapest and maintaining permanent contact with our station.

In 1980 radio license fees were dropped in Hungary. According to estimations, there are more than five and a half million receivers in operations in the country with 10 million population.



INDEPENDENT RUSSIAN RADIO?

excerpts from *The Buffalo News* - June 25, 1991
submitted by: *Frances Merrifield - NY*

"During the past year, many unofficial publications have sprung up in Moscow. These newspapers are sold primarily in underground street crossings and subway entrances, as if confirming a Russian tradition that the free press prefers to live underground. But it does live, it flourishes and finds its readers.

"In this diverse, noisy cacophony of mass media, few at first noticed the timid peep of the independent radio station Moscow Echo.

"This child of the free airwaves was born at the end of August 1990, though its true birthday was Jan. 13, 1991 - the night tanks rolled in the streets of Vilnius, Lithuania, and blood flowed.

"Who actually were the midwives for this child of the free airwaves? The independent station's founders were the Moscow City Soviet, the Radio Association, the liberal magazine *Ogonyok* and the journalism facility of Moscow State University. As far as its equipment is concerned, the old transmitter dates back almost to Edison.

"At 7 p.m. Muscovites tune out those foreign stations, and Moscow Echo with its familiar call signal enters thousands upon thousands of apartments in Moscow and its suburbs.

"The station is barely a few months old, but Muscovites already recognize the unusual array of personalities of the on-the-air staff: one is serious, another ironic, a third wise beyond his years. All are equally uninhibited, 'down-home' and natural.

"While Moscow's informal publications haven't quite escaped their subterranean existence, Moscow Echo flies free above the capital. It has found its creative independence, and with a little help from its friends, it will also find commercial independence."

ADVENTIST WORLD RADIO A MOVE FOR THE BETTER

submitted by: *Donald Weber - OH*

AWR-Latin America is relocating in order to improve and expand its service to Central and South America. A new transmission site has been purchased from the now defunct Radio Impacto near the city of Cahuita, Costa Rica. The new site includes 48 hectares of land, a transmitter building and two quad antennas.

Currently, AWR-Latin America is operating from the campus of the Central American Adventist University located near the capital of Costa Rica, San Jose. Two transmitters, 50kW and 5kW, are broadcasting programmes in Spanish

and English for the nearby countries of Central America, Mexico, the Northern Caribbean, Colombia, and Venezuela, with special broadcasts on Saturday in the Dutch and Papiamentu languages to the Southern Caribbean.

Of the four transmitters purchased from Radio Impacto, two were previously operating on shortwave (20kW each) and two on mediumwave (50kW each). The two mediumwave transmitters are now being rebuilt by the manufacturer ELCO in order to operate in the shortwave bands. Also, once the new station becomes operational, the two transmitters currently in operation will be moved to the new site. The 5 kW transmitter will be kept as a back-up transmitter in case of an emergency.

Work is currently being done on the installation of the antennas. As soon as this is completed, tests will be initiated. Station Manager David Gregory hopes that the first broadcasts from Cahuita can begin this summer, with full operations starting sometime in 1992.

INTERNATIONAL REPLY COUPONS (IRC'S)

Mike Hardester recently received this letter from the U.S. Postal Service regarding an inquiry he had on IRC's. The following is an excerpt from that letter which may be of interest to those of you sending return postage with your reception reports.

"...IRC's are now exchangeable in any country for one or more postage stamps representing the minimum postage prepayable on an unregistered letter sent abroad by air. Whereas before January 1, 1991, an IRC was exchangeable for the minimum postage for a letter sent by surface. Additional coupons were required for an air letter.' (Air letter' in this case merely refers to a letter sent by air.)"

The letter was written by Fern A. Burns, Manager of the International Agreements and Studies Branch, Office of International Business of the U.S.P.S.

This new agreement can obviously save all of us a bit of money now, and once again makes IRC's something of value. I do have to agree with Mike however, when he says, "...in my opinion, IRC's won't replace mint stamps when sending a reception report; for casual' use, it appears they may have some redeeming value once again."

Thank you Mike!

FCC NEWS

from the *Signal Loop* - Chapter 26
Society of Broadcast Engineers, Chicago by Ken
Steininger, WMAQ-TV



Fun on the air is no laughing matter at the FCC. Topping the list of no-no's is an on-air murder confession faked by two California disk jockeys. The Sheriff's Department even went looking for a corpse. Besides the resulting criticism and bad publicity, the jocks had to repay the Sheriff's Department more than \$12,000 in investigation expenses and they had to provide 150 hours of community service. The FCC also sent a letter of inquiry to the station, with a possible fine of more than \$25,000.

The commission also cracked down on six pirate stations last month. The nearest pirate (to Chicago) was in Reedsburg, Wisconsin. Another has been operating every evening for more than ten years! All offenders received fines of \$1000 and confiscation of their equipment.

The first Digital Audio Broadcast (DAB) license went to a West Virginia wireless cable operator for S-band tests. (Ed. Note: *We've briefly talked about digital radio in past columns and just today at the International Brotherhood of Electrical Workers Broadcast Conference I'm attending in Baltimore (yea...I'm out of town again! hi!) we heard a presentation on the type of digital system CBS (and others) is proposing to the FCC. It's fascinating in that the digital channel is made up of 21 separate carriers and can be transmitted right over the current analog system! That's fascinating, and depending on whether or not I think about it in the future, I'll present more information for you in the column. This system will work with either FM or AM stations, requires much less power to transmit and might even have possibilities in shortwave broadcasts. Imagine CD quality shortwave from Nibi-Nibi!*)

ANARC SWL HAM NET

submitted by *Melvin Flannagan, Jr. - VA*

Tune in Sunday mornings at 10 a.m. Eastern Time on 7240 kHz LSB for the latest in shortwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Net Controls Bob Brown KW3F and Dave Kirby N8JQX host an always lively gang of DX monitors. The net is best heard in the eastern half

FOR SALE: JRC NRD-525 with all ESKAB mods, 1.8 and 1.0 kHz filters, external speaker and service manual. \$1000 Alan Johnson, 301-229-7069 before 0200 UTC.

HELP WANTED: Tape your local country station for me! Use VHS T120's at 1/3 speed (6 hours) on a stereo VCR and record any part of your local all-country format FM radio programming, continuously without editing. Will pay \$10 or exchange tapes with whatever you want on them. Write first! If it ain't country, it ain't music! Write: Tsunaaki Ashimori, 11-14 Kawazoe-cho, Nishinomiya City, Hyogo, 662 Japan.

of North America.

ACE COMMUNICATIONS - AR1000XC

ACE Communications has announced the introduction of a new 1000 channel hand held receiver with continuous frequency coverage from 500kHz to 1300MHz. The frequency coverage of the unit allows reception of all broadcast bands, shortwave frequencies, military communication bands, plus all public service bands. AM or narrow FM reception modes in addition to FM broadcast and TV audio modes are selectable at any frequency.

A suggested retail price of \$429 has been set for the unit, which includes a 120 volt to 12 volt wall plug adaptor/charger, DC cigarette lighter plug charger cord, flexible antenna in addition to a carry case and AA size rechargeable batteries.

The radio measures 6 7/8" in height, 2 1/2" in width and 1 1/2" in depth and weighs 12 ounces. Actual measured sensitivity of the unit exceeds .35 uV at 12db S/N in narrow FM mode and 1.0 uV at 10db S/N in AM mode.

Twenty six front panel keys allow programming of 1000 total scan memory channels. Pairs of upper and lower limits for bands to be searched can be stored in 10 separate search memory locations. All information is stored in a permanent memory. Extra features include selectable single channel priority, keyboard lockout, BNC antenna connector and a display backlight for night use. The LCD display itself offers 21 separate prompting annunciators to aid the user in operating the unit.

Delivery of the new AR1000XC is scheduled for August of 1991. If you'd like more information, please contact Steve Crum at (317)849-2570.

CRB RESEARCH

Received the latest CRB Research Catalog (#1991-2) and as usual, it's chock-full of books on communications and our hobby. They do sell a few accessories as well! If you'd like to check out a catalog, why not drop 'em a line right now and tell them that SPEEDX sent you. Their address is: P.O. Box 56, Commack, NY 11725. The catalog costs \$1.



CARL HUFFAKER'S LATIN NOTEBOOK

Domicilio Conocido, Huasca de Ocampo, Edo. Hidalgo, MEXICO C. P. 43500

XEFT had been silent on 9545 kHz since a short period of activity in late April. so once again I headed down the mountain toward tropical Veracruz. It's always a pleasant trip: Tajin is becoming daily more impressive as the archaeologists continue their work, and coffee in La Parroquia, Veracruz's old Spanish café, is indescribably out of this world, as is the seafood in innumerable restaurants in the old port.

The station itself is somewhat hidden. The QTH, Bravo 1103, is correct, but the number, and even the doorway, is hidden behind the sidewalk stalls, for that block at the end of Bravo is part of the old market. Finally, I found the entrance and climbed two long flights of stairs that led through the building to the station. It occupies the entire floor: A large entrance hallway, two offices, an unusually spacious transmitter room, and a somewhat larger-than-usual studio/cabaña.

It's no credit to our north-of-the-border DXers, but there were no reports for the brief period in which they'd reactivated 31 meters. I handed them a conspicuously labeled cassette of their April 21st broadcast. The people of Veracruz are characteristically a friendly bunch, and this was their first report from outside. I felt like one of the family.

The station has a long history. The mediumwave transmitter was built in 1934 by José Rodríguez Lopez, the owner-operator of the station. It's there in the transmitter room operating on 1250 kHz, a six-foot-high rack and panel job with a window in the center where you can watch the filament for overheating. On one side is the shortwave transmitter which he built in 1936. It's also a rack and panel, the same size, plywood and dotted with round Triplet meters. It reminds me of the 160-meter phone rigs of the 1930's. The third rack is the "new" commercially-built mediumwave transmitter. When it was installed, they discovered that it didn't work as well as the old one, so it's been on standby for well over a decade.

José's son, Juan de Dios Rodríguez Díaz, currently operates the station and holds the post of Director General. His son, Miguel Rodríguez Sáez, is Subdirector and manages the hourlong, three times daily newscasts.

After a long silence, they'd reactivated the shortwave transmitter, and a few days later, an overvoltage took the regulators out. It was being repaired and would return to the air around the end of June. (Editor's note: XEFT was back on the air ahead of schedule.) Both stations will carry the same programs (the same audio feed), and will be on the air from 11:30 to 06:00 UTC daily. Reports should go to Lic. Juan de Dios Rodríguez Díaz, Director General, Apartado Postal 21, Veracruz, Ver., Mexico C. P. 91700.

The station uses two slogans, "La Voz de Veracruz" and "La Jarocha." "Jarocha" is slang for a native of Veracruz. The late-night program, 03:00 - 06:00 UTC, is named "Tropi-salsa 12-50," and uses that ID.

"THE MOON ATE THE SUN"

Whether it was shortwave, mediumwave, FM, or TV, if you tuned Mexico around mid-day on July 11th, the program was the eclipse. More than a natural phenomenon, it was also cultural: A sudden fusion of things Mexican that can only be compared to the appearance of the Virgin of Guadalupe. There had been weeks of preparation, the "don't look at the sun" PSA's, the testing and licensing of more than a dozen brands of filters, do-it-yourself instructions on pinhole and reflecting viewers, children's programs, and endless hours of simplified astronomy. There was redundant insistence, too, that the eclipse was not harmful to unborn children, and even the Archbishop issued statements that an eclipse was nothing more than a natural phenomenon.

Although the eclipse crossed American Hawaii and went on across Central America, Colombia, and Brasil, most insisted that it was Mexican. Perhaps it was because the path of total darkness crossed over three quarters of the cities and the national population. There is some claim to prior knowledge, too, for the Aztec and Toltec records of "the moon eating the sun" were pictured and explained for weeks. At Monte Alban and at Teotihuacan, the Indians danced through the period of darkness. These were the old dances, but some were obviously hippies and their dances were reminiscent of Greece or India. It was a national event, and most stations carried a full four hours of programs.

The D-layer forms rapidly and fades rapidly, so it seemed probable that the eclipse would punch a hole in the absorbing layer and permit a nighttime type of reception on the lower bands. It would be a small hole and moving fast, about 2,000 kms per hour, but the size and movement would tend to fuse the sunrise and sunset enhancement when the D-layer forms and fades. The path was essentially a great circle (it approximated the sunrise time this time of year), and I visualized a reflecting mirror moving from overhead to low-angle propagation along that line. On the map, it seemed like an infinite amount of possible data, but I'd forgotten that most Central American tropical band stations are off the air in the middle of the day.

My preliminary notes are:

- 19:19 6045 kHz **Radio Universidad de San Luis Potosi** peaked at a weak S-3 as the eclipse passed there. At 19:24, it peaked at a strong S-3 during darkness here. Normally, it's a weak S-2 at midday.
- 19:25 6010 kHz **Radio Mil**, normally S-3, pinned the meter with the RF gain all the way down.
- 19:36 3300 kHz **Radio Cultural** peaked at S-4: normally it's inaudible in the middle of the day.
3250 kHz **Radio Luz y Vida**, normally inaudible, peaked at S-3 while the eclipse was over southern Oaxaca.
- 19:30 6075 kHz **La Voz del Junco** (Honduras), normally S-2, peaked at S-4.
- 19:47 4820 kHz **La Voz Evangelica** (also Honduras), normally inaudible, peaked at S-3.
- 19:57 6115 kHz **La Voz del Llano** (Colombia), normally inaudible, peaked at a solid S-4.
5975 kHz **Radio Macarena** (also Colombia) peaked at S-3. The eclipse was over Costa Rica.

The 49-meter stations peaked at close to night levels, the 60- and 90-meter stations about one S-unit below. Both Huayacocotla and Atlitlán were off the air, so I was unable to check 120 meters.

It appears certain that an eclipse does create a hole in the D-layer that permits an ionospheric reflection approximating that of night. I doubt that the D-layer fades completely--if you consider the sunrise/sunset enhancement it's less than half--but it does, in rare moments, provide unusual bits of DX.

Portables on Parade

The SPEEDX Receiver Review Column

edited by

Don Brewer

9212 West 103d St., Apt. A Overland Park, KS 66212

SELECTING A FIRST RECEIVER: A GUIDE FOR BEGINNERS by MARK SEIDEN, FLORIDA

One of the attractive aspects of shortwave listening (SWL'ing) is that once the initial investment in a receiver is made, the hobby is very inexpensive. Unless the new radio bug bites, ongoing expenses consist only of electricity, wire to replace blown down antennas, and costs of subscribing to DX magazines and joining DX clubs.

But how does one choose a usable receiver and for how much money? Should one buy a new or used radio? What features and gadgets are really necessary? These are some points to be answered here to help you.

As in most things, you get what you pay for (at least in new receivers). No doubt you will spend many hours at your communications receiver, so naturally you'll want to be happy with it. Buy the best radio that you can afford.

The most important features in any receiver are frequency readout, sensitivity, and selectivity.

Frequency readout is the indication, either digitally or mechanically, of the frequency you are tuned to. Nothing is more frustrating than being unable to accurately determine what frequency the station you're hearing is transmitting on. Also, if you want to tune in a particular station, it is very useful to hit the frequency exactly instead of just guessing.

Readouts do not need to be either digital or capable of .1 or .01 kHz resolution. A properly calibrated mechanical readout is fine. However, you should be able to tune within 1 kHz of the desired frequency, and if you can't, you'll probably not be very happy with your receiver.

Selectivity is the ability of the radio to separate signals that are close together on the band. This is generally accomplished with filters that narrow the width of the received frequency. The narrower the slice the poorer the audio quality. A 6 kHz filter allows good audio quality, but may let in adjacent signals. 4 kHz is generally a good compromise for AM DX receiving, as it provides acceptable audio quality and good interference rejection. For SSB and ECSS tuned AM, a relatively sharp filter of 2.4 kHz to 1.8 kHz width is required. 1.0 kHz is appropriate for wide shift RTTY, and .5 kHz works well for narrow shift RTTY and CW. Look for a radio that provides at least both a wide (6 or 4 kHz) and a narrow (2.4 or 2.0 kHz) filter choice. Passband shift (PBS) or passband tuning (PBT) are features that also enhance the radio's ability to reject interfering signals. They are nice to have, but not critical.

A control that allows an increase or decrease in the relative strength of the incoming signal (known as an RF gain control) is nice to have; as is a selectable automatic gain control to combat fading of weak signals. A notch filter to eliminate heterodynes (whistles and squeals) from nearby stations on the dial is also worthwhile.

Anything else is in the "whistles and bells" category: That is, fine if you can afford them, but not necessary. This category includes keypad frequency entry, noise blankers, attenuators, memory channels, dual VFO's, timers and tone controls.

With careful shopping, you should be able to find both new and used receivers that give you 1 kHz readout, two filters, and good sensitivity for under \$400. Next month, we'll discuss some of those radios and their strengths and weaknesses.

SHORTWAVE STRESSED AT CSIS

"It is there, listeners know about it, governments can't stop it, it has done a good job, and if it did not exist, I rather suspect that somebody would invent it."
- John Tusa, Director of World Service, BBC

by Debra Green

While engineers may be clamoring for new technology, a symposium on international radio suggested that shortwave is the mainstay medium and changing it would alienate the audience.

The Washington-based Center for Strategic and International Studies (CSIS) hosted an informative symposium on the growing, ever-changing face of international radio. "Turning Up the Volume on International Radio" drew panelists from worldwide state and private radio to discuss the medium's programming and technological future.

The first panel, titled "State Broadcasters: New Programs and New Politics," was a timely forum for state-owned radio executives to discuss radio's changing role in world events. Among the issues discussed was "audience migration," the phenomenon recently observed during the Persian Gulf war, that draws an audience to radio in crisis situations. The difficulty is in maintaining the audience when the crisis is over.

Whatever renewed popularity radio received during the war is tempered by shrinking budgets and fierce competition for a shrinking audience. In addition to competing with television, more than 100 countries are currently competing for an international radio audience.

John Tusa, director of World Service for the British Broadcasting Corporation, said he believes the privatization of radio in Europe also will bring intense competition in the news arena. Presently, news coverage is seen as international radio's most important asset. Robert Coonrad, deputy director for the Voice of America, echoed this sentiment, citing "international news for a global audience" as the focus of future VOA programming.

"Our role is to be impartial, authoritative, and comprehensive," added Eugene Pell, president of Radio Free Europe and Radio Liberty.

To further its news coverage, Radio Japan, a division of NHK, intends to form a global radio news network inspired by Cable News Network (CNN), according to director Hiroshi Iwamoto. The program would include one network from each of the three major world areas, the U. S., Europe, and Asia, responsible for eight hours of programming daily.

As the world rotates, so would the network coverage. Editorial content, he said, would be up to the individual networks.

Executives from the VOA, BBC, and Radio France International also agreed upon shortwave as the mainstay medium for international radio. "It is there, listeners know about it, governments can't stop it, it has done a good job, and if it did not exist, I rather suspect that somebody would invent it," said Tusa.

Shortwave's importance was further highlighted by the fear that newer technology would alienate the audience if it progressed faster than the market for it. A BBC study on radio ownership in India and Sri Lanka cited by Tusa concluded the introduction of any new technology requiring the listener to purchase a new receiver would cause a "disintegration of the audience."

In "Broadcast Technologies: The Future is Now," panelists explored technological advances and their potential effect upon international radio. Among the new technologies being explored are digital and satellite transmission.

Worldspace, Inc. is a satellite broadcasting company responsible for several global projects including Afrispace. The premise, explained its president, Noah Samara, is to reach distant audiences in buried rural areas of the globe. Samara said Afrispace broadcasts were responsible for educating many people in underdeveloped regions of Africa about AIDS.

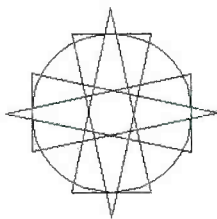
When completed, Worldspace will send FM- and CD-quality broadcasts to their subsidiaries via \$14 million "light" satellites which will deliver nine 300-kHz channels of CD-quality sound or up to 36 channels of FM quality. Tom Rogers, chief scientist for Radio Satellite Corp., said UHF transmitters in the L-band with 100-channel capacity would be the best new system for reliability and sound quality.

However, other panelists, including John Ballard, president of Technology for Communications International (TCI), expressed a hesitancy to move out of shortwave for the fear it will alienate the audience.

Both Ballard and the BBC posed questions concerning spectrum allocation and regulations on satellite or digital transmissions across international borders. According to Leonard Raish, a telecommunications law partner with Fletcher, Heald, and Hildreth, International Telecommunications Union (ITU) regulations leave shortwave transmissions across international borders unrestricted, but satellite delivery would be different. Raish said shortwave transmissions are only restricted by frequency, and are exempt from quality and legality rules. Satellite transmissions, he said, are presently restricted for foreign broadcasts by a 1963 rule designed for television.

The panelists raised as many, if not more, questions than they answered. Most questions about spectrum allocation and international broadcast transmissions will be up for debate at the 1992 World Administrative Radio Conference.

(This article originally appeared in the July 10, 1991 issue of **Radio World**.
Our thanks to John Carson for forwarding it along.)



The SPEEDX Awards

Armed Forces ... Africa ... Voice of America ...
Cruise Ships ... The USSR ... Europe ... CW ...
Antarctica ... MARS ...and more!

Harold Woering
48 Campbell Drive
Easthampton, MA 01027-2724

Hello again. I apologize for being late, but some last minute surgery to the old body had to be done. Doctor says I will be okay for another 50,000 miles. If you have never had surgery, believe me, you don't want to either. Doctor says I need to do more DXing also.....

What makes SPEEDX such an enjoyable and international club? I sent an award to Exuperio Zamora Jr. who lives in the Philippines. He was so thrilled with the award that he sent a post card thanking me. That was nice, Exuperio, thank-you.

In the May issue I suggested creating a Mediumwave award. Well, because SPEEDX is a Shortwave Listening Club, I would like to encourage SPEEDX members who are interested in Medium Wave awards to look into clubs like the IRCA and NRC. Their addresses can be found in the WRTVH. I have come up with some other awards and will get in contact with the BOD for their approval.

Now on to who received awards. Congrats to the following:

Asian:	Richard Hankison - 25	Richard Lane - 15		
European:	Randy Doyle - 25	Cary Garrison - 25	Richard Hankison - 25	
Americas:	Richard Hankison -15	Randy Doyle - 15		
360:	Randy Doyle - 75	Richard Hankison -75	Bruce Robinson - 25	Exuperio Zamora Jr - 25
Utility:	Roy Stout - 25	VOA:	Cary Garrison - 5	
Wayfarer:	Randy Doyle	Journeyer:	Richard Hankison	

If you would like a copy of the Awards Pamphlet, send me a note along with \$2.00 US, a check made out to me, or 4 IRC's. Initial awards are \$1.00 and upgrade stickers are for an SASE.

Wrap it up Ed. 73's and good DX. --Harold

A LETTER FROM BUCHAREST



RADIO ROMANIA INTERNATIONAL

BUCURESTI

Adresa telegrafica:
RADIODIFUZIUNEA ROMANA
BUCURESTI
Str. G-ral Berthelot nr. 60-62
Telefon: 15.93.50 - 50.30.55
Telex: 11252

June 3rd, 1991

Dear Mr. Carson,

Thank you very much for your detailed reception reports and the very nice and encouraging words you wrote to us. We are quite impressed by the interest shown by a fellow broadcaster in our programmes, and your commendable words are all the more valued by us. There are indeed a lot of interesting requests in your letter and we shall try to consider them all, hoping not to overlook any.

First, we should like to refer to your plea with Radio Romania's leaders. We are quite aware of the importance of our radio station for keeping the world informed about what is going on in our country, but you must understand that the sweeping changes occurring in Romania involve financial difficulties, so they are the primary reasons for not expanding our transmissions or improving our transmitters and antennas. However, we find it an improvement to even be able to employ more staff for the ten daily broadcasts in English we have. We of course forwarded that particular segment of your letter about the need to develop our department to the director general. We shall keep in mind your suggestion about a morning programme beamed to North America. Two of the 13:00 UTC programmes reported by you were heard reasonably well as we can see, though they were beamed to Europe.

As to shortwave listening in Romania, we were heavily dependent on such programmes until 1989 because we would not have known what was happening in the world, so people used to listen to VOA, BBC, and Radio Free Europe though officially nobody acknowledged it because of fears of reprisals. In Romania, most people own radios with shortwave, so there was no problem of tuning to other stations.

So far, we are not informed about a shortwave DX Club being set up, neither does our contributor know about any. There is a Central Radio Club which rallies hams.

As you wish to hear reports on the climb to democracy and less political commentary, well, it is our wish to reflect Romania's road towards democracy but this is very closely linked to politics, because it stands to reason that the political actions are all part of our new democracy and we try to keep a balance between reporting all events.

Yes, visas are still needed when visiting Romania; they are obtainable both at our embassy and at the border. The abolition of visas is being made on a reciprocal basis, but so far Romanians too need visas when they want to travel to the USA or other Western countries. But if you decide to come to Romania, you will discover not only a country with many scenic views but also a hospitable people. We hope you will come to visit us some time in the future. You will be heartily welcome.

Well, we do not know if you heard our letterbox in which we played the new national anthem of Romania. No, the International never was our anthem. Until December 1989 our anthem was called "Three colours I know in the world" and was a composition by Ciprian Porumbescu, who lived in the second half of the 19th century, but with new verse praising communist achievements. The new anthem is an even older composition by Anton Pann (1797-1854) on verse by Andrei Muresanu (1816-1863) entitled "Romanians, awaken!"

As to the National History Museum, thanks for the leaflet on the one in Oklahoma. There is such a museum in Bucharest founded by Grigore Antipa in 1894 in a new building in Victory square which bears his name. In fact, he took over a smaller museum set up in 1831 that was housed in turns by St. Sava College and the Bucharest University. Grigore Antipa's contribution to the development of the museum, which he led for 10 years, was outstanding.

Looking forward to receiving further comments from you on our programmes, we remain,

Yours sincerely,

Frederica Dochinoiu, Head of the English Department



WHAT'S ON

ENGLISH BROADCAST TO NORTH AMERICA



Daniel Sampson 4 Turtle St. Arcadia, WI 54612

As of July 16 kol Israel was still broadcasting to North America during prime time. Hopefully this will continue and their plans to drop the broadcast have been shelved. If you haven't done so yet I would write kol Israel to tell them how much the broadcasts mean to you.

CHANGES ENTERED JUNE 17-JULY 18, 1991

UTC Time	Station	Notes	Frequencies
0000-0100	R. Beijing, China	---	17705Mi; 15285Mi
0000-0100	R. Moscow, U.S.S.R.	NAM svce	15595; 15580; 15425; 15410; 15355; 13605; 12050; 11850Cu; 11780; 11730; 11710Cu; 9685; 15425; 15105; 13770; 13610; 11890; 11865; 9565Ma; 6145; 6085; 6040An
0100-0150	DW, Germany	---	11910; 9835; 6100
0200-0230	R. Budapest, Hung.	---	15595; 15580; 15425; 15410; 13605; 12050; 11980; 11850Cu; 11780; 11730; 11710Cu; 9685
0200-0300	R. Moscow, U.S.S.R.	NAM svce	15140; 11820
0200-0400	R. Havana Cuba	---	15140; 11820
0230-0300	R. Portugal	Tu-Sa	11765; 9765; 9705; 9600; 9555
0250-0310	Vatican R.	---	11625; 9615; 7305
0300-0400	R. Beijing, China	---	15100Mi; 11715Mi; 9690Sp
0300-0400	R. Moscow, U.S.S.R.	NAM svce	15595; 15580; 15425; 15410; 13605; 12050; 11980; 11850Cu; 11780; 11710Cu
0300-0515	R. Sofia, Bulgaria	---	17825; 15160; 11720
0310-0327	Red Cross, Switz.	---	12035; 9885; 9725; 6135 -- Jul 30, Aug 2, Aug 27, Aug 30, Oct 1, Oct 4, Oct 29, Nov 1
0400-0450	R. Havana Cuba	---	15140; 11820; 11760; 5965
0400-0500	R. Moscow, U.S.S.R.	NAM svce	15595; 15580; 15455; 15425; 15410; 15180; 13645; 13605; 12050
0450-0600	R. Havana Cuba	---	11820; 11760; 5965
0500-0600	R. Japan	Gen svce	17825; 15195
0500-0600	R. Moscow, U.S.S.R.	NAM svce	17605; 15595; 15455; 15425; 15410; 15180; 13645; 13605; 12050
0600-0700	R. Moscow, U.S.S.R.	NAM svce	17605; 15595; 15455; 15425; 15410; 15180; 13645; 13605; 12050
0700-0800	R. Moscow, U.S.S.R.	NAM svce	17605; 15595; 15425; 15410; 15180; 13645; 13605; 12050
1200-1300	BBC, U.K.	---	15220An; 9740F; 9515S
1235-1245	V. of Greece	---	17525; 15650; 15550
1300-1400	BBC, U.K.	---	15220An; 11820; 9740F; 9515S
1400-1500	BBC, U.K.	Sa-Su	11820; 9740F
1400-1600	R. Japan	Gen svce	11865
1700-1800	R. Japan	Gen svce	11865
1900-1930	R. Japan	Gen svce	11865
2145-2400	R. Sofia, Bulgaria	---	17825; 15330; 15110; 11710; 11660
2300-2400	R. Moscow, U.S.S.R.	NAM svce	17735; 15595; 15580; 15425; 15410; 15355; 13605; 12050; 11780; 11730; 11710Cu; 9685
2330-2400	R. Tirana, Albania	---	11825; 9760; 6120

RELAYS--An-Antigua, B-Bonaire, Br-Brazil, Bu-Bulgaria, By-Bethany, Cu-Havana, D-Delano, F-Singapore, Gu-French Guiana, Ma-Malta, Mi-Mali, S-Sackville, Sp-Spain, Wy-WYFR

TGMI.



Que pensais de Cristo?

MATEO 22:42

RADIO "BUENAS NUEVAS"

13020 San Sebastián H.

Huehuetenango.

Guatemala, C. A.



DX and Other Interesting Programmes for your Weekend Enjoyment

compiled by Bob Colyard

Part I: Saturday

All days and times UTC

Sat	1007	HCJB	DX Party Line	9745	11925		
Sat	1010	VOA	Communications World	5985	11915	15155	15425
Sat	1010	RM	Mailbag	17760	21785		
Sat	1015	BBC	Letter from America	12095	15070	15360	17705
Sat	1015	SRI	Merry-Go-Round	13685	17670	21695	9560
Sat	1030	ABC	Monitor	9580	15365	13605	
Sat	1030	ORF	Austrian Coffee Table	21490	15450		
Sat	1115	SRI	Merry-Go-Round	13635	15570	17830	21770
Sat	1130	ORF	Austrian Coffee Table	21490	15430	13730	6155
Sat	1130	BBC	Meridian	15220	15070	12095	
Sat	1130	TWR	Bonaire Wavelengths	11815	15345		
Sat	1130	VOA	Jazz Music USA	15425	9590	15120	
Sat	1200	Tashkent	Letterbox	11860	15460	17740	9540
Sat	1215	BBC	Multitrack 3	15220	15070	12095	9515
Sat	1230	RM	At Your Request	15485	17670	17830	21845
Sat	1300	BRT	Radio World	21810			
Sat	1300	WYFR	Mailbag Program	13695			
Sat	1320	Finland	Sports Fare	15400	21550		
Sat	1330	ABC	World of Country Music	9580	11720		
Sat	1330	RM	Your Top Tune	15485	17670	11840	15375
Sat	1330	Tashkent	DX Program	15460	9540	11860	17740
Sat	1345	SRI	Merry-Go-Round	21695	13635	15570	17830
Sat	1400	CBCNQS	Basic Black	9625	(416-975-6106)		
Sat	1410	VOA	Jazz Music USA	15425	9760	6110	11915 15165
Sat	1430	ORF	Austrian Coffee Table	21490	13730	6155	11780
Sat	1500	KNLS	English Programing	9660			
Sat	1515	KTWR	Letters From You	11650			
Sat	1530	CBCNQS	Double Exposure	9625			
Sat	1530	RM	Folkbox	15485	17670	11840	15375
Sat	1530	RSA	P.O.Box 91313	15210	7230	17835	
Sat	1545	SRI	Merry-Go-Round	17830	13685	21630	15430
Sat	1605	CBCNQS	Quirks n Quarks	9625			
Sat	1615	KSDA	Listener Mailbox	11980			
Sat	1630	KSDA	DX Asia Waves	11980			
Sat	1700	CBCNQS	Media File	9625			
Sat	1700	WYFR	Mailbag Program	21500			
Sat	1710	VOA	Communications World	9760	15205	6040	
Sat	1710	VOA	Mailbag Africa	15580	15410	17800	
Sat	1715	BBC	John Peel (music)	11775	15260	15070	17640
Sat	1730	BRT	Radio World	13675	21815	9925	
Sat	1730	CBCNQS	Inside Track	9625			
Sat	1730	RSA	P.O.Box 91313	17835	15210	7230	
Sat	1730	VOA	Nightbeat Africa	15580	15410	17800	
Sat	1805	RCI	Media File	13670	15260	17820	
Sat	1835	RCI	Inside Track	13670	15260	17820	
Sat	1845	SRI	Merry-Go-Round	11955	9885		
Sat	1850	BBC	Write-On	17640	12095	15070	
Sat	1900	WYFR	Mailbag Program	15355	21615		
Sat	1907	HCJB	DX Party Line	25950 ^{usb}	17790	15270	21480
Sat	1910	RM	Mailbag	11840	17695	15375	
Sat	1915	RHC	DXers Unlimited	17705			
Sat	1925	REE	DX Spot	15395	15375	11790	9875
Sat	1930	DW	Science & Technology	11785	11810	13790	15390
Sat	1930 ^v	RFPI	World of Radio	21465	13630	7375	
Sat	1930 ^v	RRI	DX Mailbag	9570	11940	11810	9690
Sat	1945	BBC	From The Weeklies	12095	15070	17640	
Sat	2000 ^v	RFPI	Mailbag	21465	13630	7375	
Sat	2015	BBC	Personal View	12095	15070	17640	
Sat	2030	BBC	Meridian	15260	15070	12095	
Sat	2100	BRT	Radio World	9925	5910	17550	
Sat	2100	RCI	Quirks n Quarks	9760	15325	[11945]	
Sat	2100	WYFR	Mailbag Program	17612	21615	15566	21525
Sat	2110	VOA	Communications World	9760	15205	15410	17800 11760
Sat	2115 ^v	RRI	DX Mailbag	5990	9570	11940	11810 9690
Sat	2115	SRI	Merry-Go-Round	13635	9885	15525	12035
Sat	2130	DW	Mailbag / DX Club	13780	11785	9765	9670
Sat	2130	HCJB	Musical Mailbag	21480	17790	21455	25950 15270
Sat	2130	R. Budapest	DX World	9835	11910	6110	
Sat	2130	RCI	Open House	11880	15150	17820	
Sat	2130	RY	POB 200/Pop Flash	5960	11735		
Sat	2130	RY	Radio Ham's Corner	5960	11735		

Sat	2205	RCI	Inside Track	13670	11905	5960	9755	
Sat	2215	BBC	Jazz for the Asking	9590	12095	15070	7325	
Sat	2225	TRT	DX Corner	9445	17880	9665	9795(2wks)	
Sat	2230v	RFPI	Radio N.Y. Int.	21465	13630	7375	15030	
Sat	2300	RCI	Inside Track	9755	11940	13670		
Sat	2310	RM	Moscow Mailbag	17735	11710	11780	11850	
Sat	2310	BBC	Book Choice	5975	9590	15260	12095	
Sat	2315	BBC	A Jolly Good Show	5975	7325	9410	12095	
Sat	2330	BRT	Radio World	13720	13655			
Sat	2330	KSDA	DX Asia Waves	15610				
Sat	2330	RCI	Media File	5960	9755			
Sat	2330	RM	Join Us	17670	12040	11745	17890	
Sat	2330v	WRNO	World of Radio	7355	13720	15420		
Sat	2330	WWCR	World of Radio	15690				
Sun	0000	RCI	Quirks n Quarks	9755	5960			
Sun	0025	REE	DX Spot	9630				
Sun	0030	BBC	The Ken Bruce Show	5975	7325	9410	12095	
Sun	0030	RK	Hello from Kiev	11790	15485	15525	(2wks)	
Sun	0030	RY	POB 200 / Pop Flash	9620	11735	(fri repeat-2wks)		
Sun	0030	VOA	Weekend Magazine	9455	6130	11695	(Carib Svc)	
Sun	0035	RY	Radio Hams Corner	9620	11735	(2wks)		
Sun	0037	HCJB	DX Party Line	9745	15155			
Sun	0040	REE	Hits round Spain	9630				
Sun	0100	RCI	Inside Track	9755	9535	11845	11940	13720
Sun	0101	BBC	Play of the Week	5975	9915	12095	15260	
Sun	0110	VOA	Communications World	9455	6130	5995	9775	11580
Sun	0115	DW	Mailbag / DX Club	6145	11865	9565	15105	6040
Sun	0115	RPI	Mailbag	5930	7345	9540	11685	
Sun	0125	REE	DX Spot	9630				
Sun	0130	HCJB	Musical Mailbag	15155	9745	21455usb		
Sun	0130	RCI	Media File	9755	9535	11845	11940	13720
Sun	0130	RHC	DXers Unlimited	11950				
Sun	0130	RM	Audio Book Club	9720	15290	12040	11850	
Sun	0140	REE	Hits round Spain	9630				
Sun	0210	RM	Moscow Mailbag	11850	15315	15370	12040	
Sun	0215	SRI	Merry-Go-Round	6135	12035	9650	9885	17730
Sun	0230	KSDA	DX Asia Waves	13720				
Sun	0230	R. Budapest	DX World	9835	11910	6110		
Sun	0230	RM	Join Us	11850	11890	15370	15315	
Sun	0230	VOFC	Mailbag Time	5950	9680	15345	9765	11860
Sun	0237	HCJB	DX Party Line	15155	9745	21455usb		
Sun	0240v	RRR	DX Mailbag	9570	11940	6155	9510	5990
Sun	0315	BBC	Recording of The Week	9915	12095	5975		
Sun	0315	DW	Mailbag / DX Club	9545	6085	11810	15205	
Sun	0315	RPI	Mailbag	5930	7345	11685	9540	
Sun	0325	TRT	DX Corner	9445	17880	(2wks)		
Sun	0330	BBC	Postmark Africa	6005	9600	15420	(African Svc)	
Sun	0330	HCJB	Musical Mailbag	15155	9745	21455usb		
Sun	0330	NHK	DX Corner	17810	15195			
Sun	0330	TWR	Bonaire Wavelengths	11930	9535			
Sun	0330	VOFC	Jade's Kitchen	5950	9680	15345	9765	11860
Sun	0335	RHC	DXers Unlimited	11950	15140			
Sun	0350	BBC	Write-On	5975	7325	9410	(FAX714970287)	
Sun	0400	IRRS	Mailbag	9815				
Sun	0410	RM	Moscow Mailbag	17890	11850	15315	11710	
Sun	0410	RPI	Science & Tech	5930	7345	11685	9540	
Sun	0415	SRI	Merry-Go-Round	6135	9650	9885	12035	
Sun	0430	BBC	Record Hop	9915	9410	12095		
Sun	0507	HCJB	DX Party Line	9745	15155			
Sun	0515	DW	Mailbag / DX Club	5960	6120	9670	11890	13770
Sun	0525	REE	DX Spot	9630				
Sun	0535	RHC	DXers Unlimited	11950	11760	5965		
Sun	0540	REE	Hits Around Spain	9630				
Sun	0545	BBC	Letter from America	9410	5975	7325		
Sun	0600	HCJB	Musical Mailbag	9745	15155			
Sun	0600	VO Nigeria	Letterbox	7255				
Sun	0610	RM	Moscow Mailbag	17890	11850	15315		
Sun	0630	BBC	Jazz For The Asking	9915	12095	9640		
Sun	0635	SRI	Grapevine	15430	17570	21770	(1st/3rdSun)	
Sun	0715	IRRS	Mailbag	9815				
Sun	0730	VOFC	Mailbag Time	5950				
Sun	0740	AWR Forli	DX Corner	7230	[phone 0543-766655]			
Sun	0750	BBC	Write-On	9640	7325	9410	12095	
Sun	0800	KNLS	English Programing	11715				
Sun	0800	RNZ	P.O. Box 802	9700	(request pgm)			
Sun	0815	AWR Port	DX Program	9670				
Sun	0840	KTWR	Letters From You	15200				
Sun	0900	BRT	P.O. Box 26	13675	21815	6035		



Hello again. I can't believe the incredibly large turnout this month; it seems many of you took advantage of the solar flares for some trans-equatorial DX. This was as good a turnout as we've had all year!

ANTIGUA

5975 0030 **BBC:** EE: "In Praise of God"; Christian service (545 6/30 Pennisi-NJ) (Findlater-CA) (Brown-IL) (Carson-OK)
 6040 0100 **DW:** EE: "Nickelodeon" & "Learn GG w/DW" progs (444 6/8 Findlater-CA)
 6175 0005 **BBC:** EE: "Newsdesk" w/report of 2 Spanish officers being killed by a bomb (444 6/13 Brown-IL)

ANTILLES

9590 0350 **RN:** EE: "Media Network" (433 6/6 Millard-TX)
 9630 0842 **RN:** EE: "Newslines" w/report on human rights in Myanmar (formerly known as Burma) (444 6/26 Brown-IL)
 11815 1255 **TWR:** EE: Prog abt Book of Hebrews (544 5/16 Gaharan-LA)
 11895 0730 **RN:** EE: Tom Meyer hosts "Happy Station" prog; 9715 has been dropped (555 6/9 Findlater-CA)
 11930 0330 **TWR:** EE: "Bonaire Wavelengths" w/nx that TWR cuts weekday AM & PM Broadcasts by 30 minutes (544 6/16 Neff-FL)
 15345 1200 **TWR:** EE: World nx; into relig prog (444 7/1 Carson-OK)

ARGENTINA

11781 1846 **Voces en Libertad:** SS: Futbol game //950 kHz med wave; active here since 5/16 when station passed to the new private owners & tech dept told me for now they will continue daily on SW 1400-2000 UTC (6/2 Barrera-Argentina)
 15345.2 2301 **RAE:** SS: "Rye" ID; Argentinian economic nx (222 6/26 Thornton)

BOLIVIA

4456.7nf1032 **LV del Trópico:** SS: Lat Am & folk mx into salutations prog; more folk mx (343 5/27 Barrera-Argentina)
 5044 1108 **R. Altiplano:** SS: Ads for a 24 hour supermarket in La Paz; station promos; into nx prog (6/8 Camporini-Argentina)
 5952nf 0940 **R. Pio XII:** SS: "El Madrugador"; many TCs & IDs (6/4 Camporini)

BRAZIL

3205 0110 **R. Ribeirão Preto:** PP: Lat Am pop mx prog w/M talking between selections (221 6/21 Bishop-NY)
 3375 0053 **R. Educadora:** PP: Mix of American & Brazilian pop mx; ID; very brief nx report; more mx (433 6/20 Bishop-NY)
 4755 0035 **R. Educação Rural:** PP: Vocal mx; M anncr w/echo Brasopops; ads & ID @ 0100 w/freq anmts (333 6/20 Brame-IL)
 4815 0046 **R. Difusora:** PP: "Musica Programa"; ID @ 0100 (222 6/20 Cichorek-NJ)
 4895 0045 **R. Brasil Central:** PP: Light Lat Am pop & rock mx; IDs (433 6/25 Brame-IL)
 4905 0055 **R. Relógio Federal:** PP: Recorded TC each minute by W; M tx over & in between TCs; ID & jingles @ 0100 (323 6/25 Brame-IL)
 6010 0700 **R. Inconfidência:** PP: Long & lively prog of Brazilian mx with few interruptions (333 6/16 Findlater-CA)
 6060 0001 **R. Universo:** PP: Lat Am mx w/anmts between songs; ID w/freq anmts; jingle; into impassioned speech (433 6/25 Brame IL)
 6090 0837 **R. Bandeirantes:** PP: Logged in passing w/M singing ballad mx & tx w/ment of R. Bandeirantes (222 6/16 Lewis-IL)
 6185 0901 **R. Nac. do Amazonia:** PP: A very awake DJ; many 'bom dias'; lively tunes w/PP remake of "Air That I Breathe" (444 6/16 Lewis)
 9515 0100 **R. Novas de Paz:** PP: Musical prog in PP (322 6/4 Hankinson KS)
 9565 0130 **R. Universo:** PP: M w/long talk or speech before an audience (222 6/23 Findlater-CA)
 9675 0700 **R. Cancão Nova:** PP: DJ w/prog of Lat Am mx (333 7/1 Findlater)
 11730 2150 **R. Nac. da Amazônia:** PP: ID; anncr shouting w/too much echo! @ 2200 national "A Voz do Brazil" prog w/nx (545 6/20 Brame IL)
 11805 2310 **R. Globo:** PP: 2 very excited anncrs w/ments of Globo & Brazil; ads; taped sound bites (433 6/19 Brame-IL) (Findlater-CA)

11830 0100 R. Anhanquera: PP: Lively Brazilian mx (333 6/10 Findlater CA)
 11925 0259 R. Bandeirantes: PP: 2 M tlc w/ments of Brazil; taped promo;
 catted ID; spoken ID; Brasoballads (423 6/14 Westenhaber PQ)
 15265 1911 R. Bras: EE: Song "My World is Nothing More" (444 6/20 Leader-
 Ireland)

CANADA

5960 2205 RCI: EE: "Comedy Classics" a summer replacement for Air Farce
 heard on Sundays only (554 6/9 Fraser-MA)
 6005 2134 CFCX: EE: Prog of pop mx; jingle ID as "R. Montreal" (433
 6/15 Bishop-NY)
 6015 0533 R. Austria: EE: Nx; discussion of the civil strife in Yugo-
 slavia (544 6/28 Carson-OK)
 6070 2207 CFRX: EE: ID; local wx; traffic report; ads; freq & ID; re-
 port on the baseball Blue Jays (555 6/3 Trescher-PA)
 6120 1100 R. Japan: EE: Nx of Japanese corporations; Polish Prime Min-
 ister Jan Bielecki in Japan (555 6/22 B Robinson-TN)
 6150 0535 RCI: EE: "The Arts Tonight" w/item abt a Canadian who's become
 a stand-up comedian in China--in CC (243 6/7 Westenhaber PQ)
 (Not telling any of those awful Newfie jokes, I hope dt-NJ)
 6160 2142 CKZN: EE: "As it Happens" interview prog (222 6/20 Bishop NY)
 6160 0600 CKZU: EE: DJ hosts a prog of classical mx (333 6/7 Findlater)
 9590 0228 BBC: EE: Nx; 130 killed in train attack in India; 7 people sen-
 tenced to death in Kuwait (433 6/15 Brown-IL)
 9755 2305 RCI: EE: "Double Exposure" comedy--suddenly faded away @ 2312
 (555 6/9 Fraser-MA)
 11715 1053 R. Korea: EE: Letter from a listener in Africa requesting a
 new shortwave radio (544 6/9 Neff-FL)
 13670 0023 RCI: EE: Disc abt Quebec's hydroelectric power (444 6/10
 Millard-TX) (Brown-IL)
 13720 0252 RCI: EE: "As it Happens" prog talking to a guy from Shropshire
 England who's organizing a ferret race--they run through drain-
 pipes (Does he allow pari-mutual betting?--ed)
 15260 2000 BBC: EE: US Sec'y of State Baker tx abt eliminating trade bar-
 riers while at the super powers conference (333 6/20 Rontanini
 17820 1710 RCI: EE: Report on women in the workplace--specifically engin-
 eering (444 6/15 Brown-IL)

CHILE

5825 0140 R. Triunfal Evangélica: SS: Gospel prog; ID as "Esta es Radio
 Triunfal Evangélica, 5825 kHz; onda corta" (6/6 Camporini)
 6029.7 1131 R. Santa María: SS: "Encuentro Campesino"; ID @ 1143 by M
 (343 5/26 Barrera-Argentina)
 6080.2 1122 R. Patagonia Chilena: SS: Ads; nx; prog "Antena de Aysen"; ID
 as "Paragonia Chilena, la pionera" (333 5/29 Barrera Argentina)
 6088.5 0230 Radio Esperanza: SS: Religious exhortation by W. Guitar; IS;
 ID @ 0240; QRM de R. Bandeirantes on 6090 (232 5/26 Flynn OR)

COLOMBIA

4865.1 0335 LV del Cinaruco(t): SS: Tx in SS w/many ments of Bogota; no
 actual ID heard (322 6/12 Hart-MN)
 5020 0330 Ecos del Atrato: SS: Non-stop heavy drum beats; ments de Colom-
 bia abt close down; s/off w/NA (142 5/14 Flynn-OR)
 5955 0718 LV de los Centauros: SS: Prog of nx, ads, IDs, and jingles;
 all w/Caracol IDs only (333 6/30 Lewis-IL)
 6075 0602 Caracol-Bogotá: SS: "Servicio informativo de Caracol" w/local
 & international nx; IDs & coffee ads; address for reception re-
 ports (343 6/7 Westenhaber-PQ)
 6115.8 0651 La Voz del Llano: SS: Prog of lite & EZ listening mx; brief
 ID @ 0700; into salsa style mx (232 6/19 Carson-OK)
 11821 2101 R. Nacional: EE: "Colombian Cultural Magazine" w/explanation
 of local mx & examples in EE. Full ID @ 2105. Best in usb. Not
 heard in EE since this date (422 6/9 George-MA)
 17902v 2303 R. Nacional: SS: Concert w/harpsicord; prog "La Vida is una
 Novela"; ID;--this station was drifting badly! (253 5/9 Flynn)

COSTA RICA

9725 1250 AWR: EE: Information on Costa Rica & listener's letters (554
 6/23 Neff-FL) @ 2342 in EE w/disc abt tithing--the practice of
 giving 10% of one's gross income to the Church (444 6/27 Brown
 13630 2315 RPPI: EE: Talk abt financing conservation projects (232 6/18
 Saarikko-NY)
 21465u 2128 RPPI: EE: "UN Radio" prog w/report from World Health Organiza-
 tion on smoking & second hand smoke (353 6/27 Lukas-NY)

CUBA

3365.7 0256 **R. Rebelde:** SS: Cuban mx & station slogan; TC; ID @ 0305 (444 6/11 Karcheski-MA)
 5965 0430 **RHC:** EE: S/on w/freq & time skeds (544 6/3 Babin-MA) @ 0357 IS to 0400; IDs & s/on routine--Arnie Coro keeps saying this is in USB, but tonight in LSB w/some carrier (242 6/23 Westenhaver-PQ)
 9620 2353 **RHC:** SS: Latin Am mx w/ W DJ; ID (444 6/4 Bellovich-FL) @ 0225 in SS w/ nx, interviews, mx & ID (545 6/30 Wolfson-OH)
 11840 1448 **R. Moscow:** EE: "Russian by Radio" (433 6/28 Carson-OK)
 17770af 2059 **RHC:** SS: ID heard--this freq not listed in the '91 WRTH or it's supplement, 'Downlink' (544 6/4 Babin-MA)

DOMINICAN REPUBLIC

4800 0207 **R. Norte:** SS: Relig service in SS--the 60 & 90 meter bands are doing very well this evening (422 6/21 Bishop-NY)
 4930 0320 **R. Barahona:** SS: Lively vocals & instrumentals to 0353 ID & s/off anmmts 0357* (353 6/16 D'Angelo-PA) (Babin-MA)

ECUADOR

4800 0215 **R Cuenca:** SS: Local prog of nx & mx (222 6/5 A Jones-TN)
 4920 0414 **R. Quito:** SS: Prog in SS; ID heard (332 6/12 Hart-MN)
 5030 0200 **R Católica Nacional:** SS: ID; Prog of EZL mx; ments of Madre de Dios (555 6/26 Trescher-PA)
 6080 0824 **HCJB:** SS/Quechua: Inst'l mx; @ 0829 SS ID; s/on anmmts; TS for 0830 & into Quechua w/M tx & choral NA (242 6/7 Westenhaver PQ)
 11835 0712 **HCJB:** EE: "Musical Mailbag" prog inc letter from a listener in Germany (554 6/22 Leader-Ireland)
 15155 0048 **HCJB:** EE: Nx items from various locations around the world (444 6/13 Levison-PA)
 15270 2020 **HCJB:** Nordic: Vocal mx by men; guitar mx; "Esta is mi Sonata" (433 6/20 Rontanini-FL)
 15455u 1920 **HCJB:** EE: Prog abt an Ecuadorian Nat'l Park (333 6/7 Johnson)
 17790 1520 **HCJB:** EE: W w/cmnty abt various kinds of birds which inhabit differnt types of trees on her property (444 4/3 Levison PA)
 21455u 1910 **HCJB:** EE: "DX Partyline" prog w/DX tips & skeds (333 6/22 Saarikko-NY)
 21480 1930 **HCJB:** EE: "Ham Radio Today" w/tips on returning your set for factory repairs; Pengu Islands are new DXCC country (454 6/12 Fraser-MA)

FRENCH GUYANA

5055 0301 **RFO Matoury:** FF: M & W w/tx; into MOR mx (333 6/11 Karcheski)
 11670 0218 **RFI:** FF: Dramatic style prog (544 6/16 A Jones-TN)
 15325 0320 **R. Japan:** EE: JJ lang lesson; into USB @ 0330 (Kyburi CO)
 15350 0329 **R. Japan:** JJ/EE: JJ lang lesson; ID in EE; into SS prog @ 0330 (322 6/22 Brown-IL)
 17860 1500 **RFI:** FF: Nx followed by prog of mx (444 6/22 Hankinson KS)

GUATEMALA

3300 0230 **Radio Cultural:** EE: Prog of relig mx; M w/ID; address (333 7/8 Karcheski-MA) (Bishop-NY)

HONDURAS

4820 0304 **La Voz Evangélica:** SS: Prog of Lat Am pop & EZ listening mx (423 6/22 Trescher-PA) @ 0418 in SS w/M delivering a red hot brimstone sermon (232 6/4 Jones-TN) (t) logging @ 0312 in SS w/mx & rapid tx in SS; 0456* as per WRTH (322 6/12 Hart MN)

MEXICO

6010 0315 **R. Mil:** SS: Pop & romantic mx; jingle ID "Es Radio Mil", which was preceded by a whistle. No other ID ((333 6/16 Lewis IL)
 6185 0810 **R. Educación:** SS: A very nice piece of classical mx (444 6/4 Johnson-IL) (Westenhaver-PQ)
 9600 2300 **R. Universidad:** SS: ID; prog of non-stop guitar mx (333 6/10 Findlater-CA)

PARAGUAY

9735 0043 **R. Nacional:** SS: Prog of Latin mx; ID (333 6/10 Millard TX) @ 0306 in SS nx into Paraguayan polka mx; TCs which were 3 minutes slow; ID. Great reception tonight (444 6/6 Westenhaver PQ @ 0250 in w/ID & rapid tx in SS; ID @ 0300 (433 6/6 Hart MN) (A mere 6 minutes away from being psychic!--ed)

PERU

3230 0110 R. El Sol de los Andes(t): SS: M tx between musical selections; no ID heard (322 6/21 Bishop-NY)
 3340 0140 R. Altura: SS: Peruvian mx; "Happy Birthday" song, dedications & full ID @ 0203. A reactivation? (333 6/30 Huffaker-Mexico)
 4800.7 0910 R. Onda Azul: SS/Quechua: *0910 w/NA; ID "Onda Azul, transmitiendo de Puno, Perú..." (454 5/31 Barrera-Argentina)
 4910 1011 R. Tawantinsuyo: SS: Peruvian mx; references to this station (322 7/1 Huffaker-Mexico)
 4934v 1010 R. Tropical: SS: Folk mx; slogan ID (6/5 Camporini)
 4970 0640 R. Imagen: SS: Several ments of Tarapoto, one ment of R. Imagen. Slow vocal tunes (poor 6/30 Lewis-IL)
 4975 0212 R. del Pacifico: SS: Lat Am vocal mx by M; ID (322 6/5 Bishop)
 5039 1018 R. Libertad: SS: Non-stop mx with medium wave freq ID; into campesino prog. A reactivation (443 7/1 Huffaker-Mexico)

PIRATES CLANDESTINES & Unids

6305 0530 LV del CID: SS: Mx; ments of democracy & Cuba (433 6/6 Hart MN)
 7368 2355 Hope Radio Int'l: EE: ID & mail drop announced; into mx (232 6/16 Johnson-IL)
 7412 0230 WHIP: EE: "Voice of the Hipster" gave Blue Ridge Summit, PA mailing address (242 5/23 Johnson-IL)
 7415 0126 WHO: EE: Rock mx; ID @ 0128 by "The Doctor" (434 7/4 Karcheski)
 7415 0344 R. Free America: EE: Rock mx by The Scorpions & Black Sabbath (343 6/30 Johnson-IL)
 7415.5 2315 Action Radio: EE: Fake ad for dog products; "Pittsburgh Law" TV prog parody; Mariah Carey mx (444 5/16 Johnson-IL)
 7417 1401 R. USA: EE: Tx; mx; ID @ 1401 (343 5/26 Karcheski-MA)
 9525 0245 R. Marti: SS: Mx & tx w/ments of Miami (554 6/9 Neff-FL)
 9960 0200 R. Caiman: SS: Nice female vocal mx (535 6/16 A Jones TN)

UNITED STATES OF AMERICA

6125 0650 VOA: EE: "Daybreak Africa" w/story abt black music month (544 6/19 Carson-OK)
 7355 0135 WRNO: SS: Radio Miami Int'l prog w/numerous IDs. Surprised to hear this, I was looking for "World of Radio" (454 6/28 Lukas)
 7520 0105 WWCR: EE: "For the People" prog w/disc abt rare books (554 6/13 Neff-FL)
 9455 0200 WCSN: EE: M w/nx abt apartheid laws in S. Africa coming to an end (454 6/5 A Jones-TN)
 9465 0558 WMLK: EE: Elder Jacob Meyer gives a sermon with an Old Testament theme (242 6/28 Carson-OK)
 9495 0134 WHRI: EE: M & W w/tx; nx; ID; prog anmts (333 33 Wolfson-OH)
 9785 0450 KVOH: EE: Dr Gene Scott wants you to be one of the 3000 people he can count on (554 6/10 Neff-FL)
 9840 0718 WCSN: EE: Prog on how to explore the populated & unpopulated regions of the world (444 6/20 Leader-Ireland)
 11890 2133 VOA: SS: Nx abt PLO; Cubans in Miami; Bolivia (544 6/24 Neff)
 13770 2000 WSHB: EE: ID; Int'l nx; cmnty abt Communist Party in the USSR (555 7/2 Pennisi-NJ)
 15185 2140 WINB: EE: Relig talk program (322 7/11 Carson-OK)
 15205 0225 VOA: EE: New USSR story on flight KAL 007 (555 6/14 Neff FL)
 15420 1720 WRNO: EE: 'Z Rock' mx prog via satellite w/WRNO IDs & blocks of ads from local New Orleans sponsors (232 6/25 Carson-OK)
 15610 1530 WSHB: EE: Mx; Christian Science cmnty (555 6/9 Card-RI)

URUGUAY

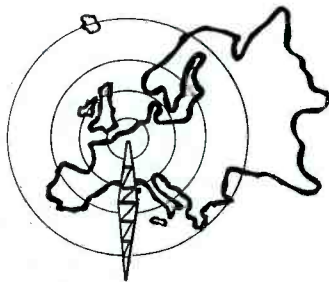
11835 2300 R. El Espectador: SS: M reads nx; into Latin American vcl mx (222 6/7 Findlater-CA)

VENUEZUELA

4940 1000 R. Continental: SS: Traditional vocal mx; "buenos dias Venezuela" (545 6/22 B Robinson-TN)
 4970 0209 R. Rumbos: SS: M & W w/tx; into ad (252 6/16 A Jones-TN)
 4930 0130 Ecos del Torbes: SS: Lat Am vocal mx sung by M (444 6/20 Babin)
 9540.4 0044 R. Nacional de Venezuela: EE/FF: World & Latin American nx; into nx in FF @ 0055; s/off @ 0106 w/SS ID (434 7/11 Carson OK)

Fill that gap! It was nice to visit Montreal and attend the CIDX barbecue in Sheldon Harvey's backyard. In addition to the all of the nice CIDX members who were there, former RCI program hosts and current CBC staffers Wojtek Gwiazda & Patty Maxein were also present, as well as NASWA member Paul Graveline who brought some nice slides of TWR Bonaire. Special thanks to Bill Westenhaber who once again acted as a most gracious "tour guide" & host for those notoriously thirsty gringos, Eddie Janusz & me. Until next month remember to have fun with your radio! 73s & good DX *Jim*

EUROPE



BOB COLYARD
84 HARRISON AVE
BRICK, NJ 08724

The loggings were very scarce this month, so I've compiled some lists I acquired from Kirk Baxter's ANARC BBS. The ANARC BBS has mainly DX related files plus a great shortwave message base. Give em a call at: 913-345-1978.

ALBANIA

Radio Tirana

9580 0130 RT: PP: YL w/talk. (222 6/4 Findlater-CA)
0234 RT: EE: YL w/news about their elections (545 6/5 Bellovich-FL)

AUSTRIA

Radio Austria Int'l

9870 1130 RAI: EE: Nx about Waldheim's visit to Iran. (333 6/10 Brown-IL)
2230 RAI: SS: "Commentario de semana". (545 6/21 Robinson-TN)
9875 0030 RAI: SS: //9870; OM w/news. (333 6/17 Findlater-CA)
0130 RAI: EE: News w/Yugoslav crisis #1 story. (433 7/4 Johnson-IL)
Austrian saying: "What a farmer doesn't recognize, he doesn't eat." (555 5/25 Robinson-TN) Commentary on future of remote Austrian railway line. High noise level. (434 6/2 Kyburz-CO)
13730 0134 RAI: EE: "Report from Austria". (544 6/21 Bishop-NY)
Bob Dylan's birthday was on May 24th. (444 5/31 Lukas-NY)

BELGIUM

Belgische Radio en Televisie

13655 2330 BRT: EE: //13710nf; YL w/news & OM w/maibag program. The new freq is better. (444 6/16 Bellovich) (222 6/7 Findlater-CA)
13710nf 2330 BRT: EE: //13655; "Brussels Calling"- wx: "overcast w/more rain on the way; "Belgium Today". (333 6/24 Brown-IL) ex13720 -BC
13720 2330 BRT: EE: "P.O.Box 26" w/listener's letters. (555 6/9 Card-RI)
17680 0503 RTBF: FF: News by OM/YL; ID at0511: "Radio one", followed by romantic vocal, mx & talk until 0528. (454 6/27 D'Angelo-PA)
0600 RTBF: FF: OM w/news. (222 7/4 Findlater-CA)
21810 1300 BRT: EE: "Press Review" (443 6/7 Gaharan-LA)

BULGARIA

Radio Sofia

11660 2130 RS: PP/EE: "Radio Sofia en Portugesa".. "Panorama"; EE ID a2145 and into EE news. (555 6/3 Robinson-TN)
2330 RS: EE: Comment on how the Bulgarian army is coping with the changes in the political forces. (333 6/4 Findlater-CA)
An economic appeal for a sick Bulgaria. (333 7/1 Brown-IL)
15330 1750 RS: EE: Commentary and ID, then faded out. (322 7/2 Brame-IL)
17825 0326 RS: EE: Listener's letters & exotic music. (534 6/16 Jones-TN)
2342 RS: EE: Talk w/author & publishing in Bulg. (333 6/28 Brown)

CYPRUS

British Broadcasting Corporation

(Sorry Bill!)

15325 0545 BBC Eng-By-Radio: ??/EE: "Radio Channel". (333 6/6 Findlater)
15420 0352 BBC: EE: African service w/poor reception; then @0400 into World Svc: "Newsdesk". (151 6/5 Lukas-NY)

EURO-PIRATE

15049.9 0200 Radio Tower: EE: USB: Pop music, listener's letters, jingles, IDs & address: P.O.Box 19074, 3501 DB, Utrecht, Netherlands. (444 6/29 Karcheski-MA) Nice logging! -BC

FINLAND

Radio Finland

11755 2130 RF: EE: Nordic & economic news: recession has its effects on tax revenues. (232 6/16 Brown-IL)
21550 1410 RF: EE: Wx: cloudy & 5-deg; "Northern Report" (222 6/29 Brown)

FRANCE

Radio France International

7280 0340 RFI: FF: Current events program w/taped excerpts of speeches. (545 6/17 Brame-IL)
9790 0600 RFI: FF: DJ w/pop music program. (333 6/10 Findlater-CA)
11965 0100 RFI: SS: DJ w/Latino music. (222 6/18 Findlater-CA)
21530 0800 RFI: FF: DJ w/pop music program. (222 6/17 Findlater-CA)
21645 1300 RFI: SS: Cloudy in Paris, the dollar is higher and Cholera in Mexico. (544 6/24 Tanini-FL)

GERMANY

Deutsche Welle Voice of America

3995 0203 DW: GG: OM w/news abt Berlin breadlines. (432 6/21 Bishop-NY)
 9565 0123 DW: EE: Talk about German-Polish relations. (454 6/18 Neff-FL)
 13610 2040 DW: GG: Classical mx program w/Renaissance piece and then into something by Mozart. (433 6/20 Brame-IL)
 17810 2100 DW: GG: News about Iran & Iraq. (333 6/11 Tanini-FL)
 21535 1740 VOA: AA: Talk and reports on Israel. (444 7/2 Brame-IL)

GREECE

Voice of America Voice of Greece

7205 0210 VOA: EE: OM w/"VOA Newsline". (332 6/19 Jones-TN)
 9395 0118 VOG: Greek: //9425, 11645; Talk & music. (544 6/29 Wolfson-OH)
 9700 1730 VOA: EE: Yl w/news. (222 6/8 Findlater-CA)
 11645 0150 VOG: EE: A famous woman photographer. (343 6/17 Gaharan-LA)
 15205 0500 VOA: EE: OM w/news. (333 6/19 Findlater-CA) (444 Bellovich-FL)
 17810 2350 VOA: EE: "VOA Saturday Morning". (333 6/28 Brown-IL)

VOICE OF AMERICA - RELAY SITES IN GERMANY & GREECE

kHz	lang	UTC	kHz	lang	UTC	kHz	lang	UTC
3980-M	BULG	0300-0330	9540-K	URDU	0100-0130	15125-K	HIND	1600-1700
3980-M	CZEC	0400-0430	9540-R	TURK	2000-2100	15125-K	PASH	1430-1515
3980-M	CZEC	1630-1700	9565-W	ARME	1400-1500	15125-K	URDU	1330-1430
3980-M	CZEC	1900-2000	9575-W	TURK	2000-2100	15145-K	ARAB	1800-2100
3980-M	ENGL	0430-0700	9585-K	GEOR	1900-1930	15160-K	ARAB	0330-0800
3980-M	ENGL	1600-1630	9585-K	RUSS	2000-2200	15160-K	ENGL	0100-0300
3980-M	HUNG	1700-1900	9585-W	LATV	1430-1500	15160-K	ENGL	1000-1100
3980-M	POLI	2000-2300	9635-K	HIND	0030-0100	15160-K	VEUR	0300-0330
3980-M	SLOV	0330-0400	9660-W	UKRA	1600-1700	15160-K	VEUR	0800-1000
5965-R	ARAB	0330-0800	9670-K	FARS	2300-2330	15195-K	UZBE	0000-0100
5965-W	ALBA	1600-1630	9670-K	RUSS	2200-2300	15195-M	ARAB	0330-0800
5965-W	BULG	1630-1700	9680-K	AZER	1900-2000	15195-M	ENGL	1000-1100
5995-W	ENGL	0400-0700	9680-K	DARI	1515-1600	15195-M	VEUR	0300-0330
5995-W	SLOV	0330-0400	9680-K	FARS	1700-1900	15195-M	VEUR	0800-1000
6010-K	HIND	0030-0100	9680-K	HIND	1600-1700	15205-K	ENGL	0400-0600
6010-K	URDU	0100-0130	9690-K	AMHA	1800-1900	15205-K	ENGL	1400-1500
6040-K	ESTO	0330-0345	9700-K	ENGL	1500-2200	15215-W	ENGL	2200-2400
6040-K	LATV	0300-0315	9705-K	DARI	0215-0300	15235-K	RUSS	1100-1300
6040-K	LITH	0315-0330	9705-K	PASH	0130-0215	15255-K	ARAB	2100-2200
6060-W	ENGL	0530-0700	9705-K	URDU	0100-0130	15255-K	ENGL	2200-2400
6060-W	POLI	0430-0530	9715-K	UZBE	0000-0100	15255-M	ARAB	1330-1500
6090-W	RUSS	0200-0300	9715-R	ARAB	0330-0530	15260-K	ENGL	1500-1800
6095-R	ARAB	1600-2000	9715-R	ARAB	0530-0630	15270-W	RUSS	1100-1300
6095-R	ARAB	2100-2200	9740-K	ARAB	0430-0530	15305-R	ARAB	1700-2000
6095-R	ENGL	2200-2400	9740-K	FARS	0300-0430	15315-R	ARAB	1600-1700
6095-R	VEUR	0300-0330	9745-W	ARAB	1700-2000	15405-K	ARAB	1330-1500
6160-K	ARAB	2100-2200	9745-W	ARAB	2100-2200	15405-W	ARAB	2100-2200
6160-W	TURK	2000-2100	9770-K	ARAB	0730-0800	15405-W	TURK	2000-2100
6180-K	FARS	2300-2330	11705-K	UZBE	0000-0100	15435-K	ARAB	1500-1800
7105-K	GEOR	1900-1930	11740-K	AMHA	1800-1900	17705-K	ARAB	0330-0800
7105-K	HIND	0030-0100	11740-R	ENGL	1000-1100	17810-K	ENGL	2200-2400
7105-K	RUSS	1700-1800	11740-R	VEUR	0800-1000	17810-K	VEUR	0300-0330
7105-K	RUSS	2000-2300	11780-K	DARI	0215-0300	17830-K	DARI	0215-0300
7105-K	URDU	0100-0130	11780-K	HIND	0030-0100	17830-K	FARS	0300-0430
7110-K	FARS	2300-2330	11780-K	PASH	0130-0215	17865-K	RUSS	1100-1300
7120-W	URDU	0130-0200	11780-K	URDU	0100-0130	17865-K	UZBE	1400-1500
7130-K	POLI	0430-0530	11805-K	ARAB	0445-0530	17865-W	ARAB	0330-0700
7130-K	RUSS	2200-2300	11805-K	ARAB	2100-2200	17865-W	VEUR	0300-0330
7160-K	ARAB	0430-0530	11805-K	ENGL	0600-0700	17875-K	DARI	1515-1600
7205-K	ENGL	0100-0300	11805-K	FARS	0300-0430	17875-K	PASH	1430-1515
7205-K	GEOR	1900-1930	11805-K	TURK	2000-2100	17875-K	URDU	1330-1430
7240-W	RUSS	0200-0300	11805-K	URDU	1330-1430	17885-M	ARAB	1500-2200
7245-W	LATV	1430-1500	11825-W	ENGL	0400-0700	17885-M	ENGL	2200-2400
7245-W	UKRA	1600-1700	11835-K	AZER	1900-2000	21500-W	ARAB	1330-1500
7255-K	ARAB	0430-0530	11835-K	FARS	1700-1900	21520-K	URDU	1330-1430
7270-K	RUSS	2000-2200	11840-W	ARAB	0730-0800	21535-W	ARAB	1500-2000
7270-W	ESTO	1700-1730	11855-K	DARI	1515-1600	21535-W	ARAB	2000-2100
7270-W	LITH	1730-1800	11855-K	PASH	1430-1515	21535-W	ARAB	2100-2200
7280-K	AZER	1900-2000	11875-K	FREN	0530-0700	21570-W	ARAB	0700-0800
7280-K	FARS	1700-1900	11905-W	GEOR	0215-0230	21570-W	ENGL	1000-1100
7280-K	HIND	1600-1700	11915-R	ARAB	1330-1500	21570-W	VEUR	0800-1000
7280-K	RUSS	2000-2200	11945-K	HIND	1600-1700	21610-K	PASH	1430-1515
9530-K	RUSS	2200-2300	11960-K	RUSS	1500-1800	21615-K	ENGL	1000-1100
9530-W	ARAB	1700-2000	15105-K	DARI	0215-0300	21615-K	VEUR	0800-1000
9530-W	URDU	0130-0200	15105-K	FARS	0300-0430	21625-W	RUSS	1100-1300
9540-K	DARI	0215-0300	15105-K	PASH	0130-0215	21695-K	ARAB	1600-2200
9540-K	PASH	0130-0215	15125-K	DARI	1515-1600	21720-K	ARAB	1330-1600

VEUR = VOA-Eur, K = Kavalla, M = Munich, R = Rhodes, W = Wertachtal
 20

Obviously Steven Willers hasn't been on vacation from DXing this summer.
 6205.4 0937 UNID: Song called "Caroline" played over and over again.
 (244 6/23) "Caroline" eh! Could it be old "558" is back? BC
 6210 1740 European Christian Radio: Albanian: Talk & music; address in
 Austria. (455 6/3) -Austria Austria, not Italy? -BC
 6235 0916 Radio Zenith Int'l: EE: Rock & pop; ad for a radio; ID and
 address. Bad fading. (132 6/9) -English
 6275 0946 Western North Kent Road: EE: John Miles and Heaven 17; ID and
 fade out. (043 6/9) -England
 6290 2050 UNID: EE: English DJ w/rock music. I guess this pirate is
 Radio Orion. (131 6/29)
 7140 0847 Radio Italia Int'l: II: Elton John, Bee Gees. (343 6/9) -Italy
 7292 0950 Radio Europe: II: Talk & Italian pop music. (143 6/30) -Italy
 9815 0943 European Gospel Radio via-IRRS: Religious talk. (6/16) -Italy
 11401 0708 Radio DX34 via-RWI: //7450(very weak); Elton John, address, ID
 and reception reports. (143 6/23) -France
 11401 0830 Radio Waves Int'l: EE: Pop music and ID in various languages.
 Fading strongly. (142 6/16) -France
 11401 0915 Southern Music Radio via-RWI: EE/GG: //7450; Oldies and read
 reception reports. Strong fading. (231 6/30) -France
 11420 1015 PFBS: EE: Pop & Rock, Pirate nx. Fading. (143 6/2) -Germany
 12255 1806 Radio Fax: EE: YL DJ w/news, pop mx & freq anmts. (243 6/3)
 15040 1130 Western North Kent Road: EE: Rock. (143 6/16) -England

HUNGARY

Radio Budapest

9835 0029 RB: EE: sign on anmts and into EE. (444 5/30 Babin-MA)
 0135 RB: EE: DX program w/loggings. (533 6/19 Neff-FL)
 11910 0030 RB: EE: Talk about the Budapest Int'l Fair & stock exchange.
 (545 5/21 Robinson-TN) No longer on at these three times. BC
 0230 RB: EE: YL w/news. 0300* (333 7/5 Findlater-CA)
 11910 0301 RB: EE: w/continuous vocal music. (444 6/3 Levison-PA)
 Radio Budapest now only on at 2100 & 0200 in English. -BC

ITALY

Radiotelevisione Italiano

9575 0000 RAI: II: OM/YL in comedy a sketch folled by light vocal music.
 (444 6/15 Fraser-MA) Italian mx & vocal. (322 6/20 Tanini-FL)
 0100 RAI: EE: YL w/news; address given and listeners encouraged to
 write. (433 6/5 Bellovich-FL) "Fight against inflation."
 (545 6/21 Robinson-TN) Agriculture talks between the US and
 Europe. (333 6/10 Brown-IL)
 9815 0406 IRRS: EE: OM reading reception rpts; followed by a religious
 program and one for women. IDs & address given between the
 programs. TC in Central European time. (222 6/23 Lewis-IL)
 1051 European Christian Radio via IRRS: Religious sermon & music;
 @1101: ID, address & tel number. (353 6/9 Karcheski-MA)
 11800 *0100 RAI: EE: News by (You know who?) the usual newscaster. (433
 6/21 Hankison-KS) Address: P.O.Box 320,0100, Rome. (333
 6/17 Brown-IL) About the Albanian refugees. (353 Fraser-MA)
 *0120 RAI: FF: IS, ID and into programming. (444 6/19 Carson-OK)
 17795 *0533 RAI: Arabic: Nightingale IS to 0535: ID and into Arabic music
 program. (444 6/19 Carson-OK)

LUXEMBOURG

Radio Luxembourg

15350 0301 RTL: EE: Rock music- David Bowie, ID, Music, ID, Music- "Baby
 Be Good" i.e... (333 6/22 Brown-IL)
 0406 RTL: EE: Pop music w/many IDs. (343 6/22 Neff-FL) Psychic!
 1910 RTL: EE: The techno-pop song: "People Are Still Having Sex".
 (423 6/29 Johnson-IL) That's considered "techno-pop"? Hummm!

MALTA

Deutsche Welle Voice of Mediterranean

7235 0415 DW: AA: News & comment followed by Arabic & western music.
 (333 6/2 Babin-MA) (433 6/9 Babin-MA)
 9765 0614 VOM: EE: "Radio Talk Show" The British influence & Malta. Into
 Spanish music @0625. (333 6/27 Carson-OK) (322 6/19 Carson-OK)

NETHERLANDS

Radio Netherlands

6020 0035 RN: EE: "Newsline" about European news. (544 5/30 Babin-MA)
 0108 RN: EE: Comment & mx on Opera "Don Giovanni". (333 7/11 Carson)
 9860 2030 RN: EE: "Happy Station", Father's Day mx. (353 6/16 Fraser-MA)
 13700 2035 RN: EE: News, into talk on Apartheid. (333 6/20 Brame-IL)
 Music and report on UNESCO project. (333 6/22 Brown-IL)
 15560 0055 RN: EE: Possible discovery of a proto-star. (554 6/11 Fraser)
 17605 1430 RN: EE: World nx followed by "Asia Scan". (433 6/8 Hankison-KS)
 News, "Newsline & "Asia Scan". (333 6/29 Brown-IL)
 17605 1900 RN: EE: The "Happy Station" show. (333 6/16 Saarikko-NY)
 OK you guys, see if you can pick out the relay sites from these. -BC

RADIO NETHERLANDS RELAY SITES FREQUENCY USAGE

kHz	UTC	Ing	kHz	UTC	Ing	kHz	UTC	Ing
6020-B	0900-1025w	Cb	9630-B	0830-0925	EE	15570-M	1930-2025	FF
6020-B	0930-1025s	Cb	9715-B	0530-0625	DD	17575-M	0830-0925	EE
6020-B	1030-1125	DD	9715-B	0630-0725	DD	17575-M	0930-1025	In
6020-B	1130-1155	SS	9715-B	0730-0825	EE	17575-M	1030-1125	DD
6020-B	2330-0025	SS	9775-B	1200-1225	SS	17575-M	1130-1225	EE
6020-M	1630-1725s	DD	9860-M	1930-2025	FF	17575-M	1230-1325	In
6020-M	1630-1725w	EE	9860-M	2030-2125	EE	17575-M	1330-1425	DD
6020-M	1730-1825	DD	11660-B	1130-1155	SS	17575-M	1430-1525	EE
6020-M	1830-1925	EE	11890-B	1030-1125	DD	17575-M	1530-1625	DD
6165-B	0030-0125	EE	11895-B	0930-1025	EE	17605-B	1630-1725s	DD
6165-B	0130-0225	DD	11955-M	1330-1425	DD	17605-B	1830-1925	EE
6165-B	0230-0325	SS	13700-M	1230-1325	In	17605-B	1930-2025	FF
6165-B	0330-0425	EE	15120-B	1630-1725s	DD	17605-B	2030-2125	DD
6165-B	0430-0525	SS	15150-M	1430-1525	EE	17760-B	2130-2225	DD
6165-B	0530-0625	DD	15315-B	0130-0225	DD	21480-M	1030-1125	DD
7285-M	2030-2125	EE	15315-B	0230-0325	SS	21480-M	1130-1225	EE
7285-M	2130-2225	In	15315-B	2230-2325	PP	21480-M	1530-1625	DD
7285-M	2230-2325	In	15315-B	2330-0025	SS	21485-M	0730-0825	DD
7285-M	2330-0025	DD	15330-B	1200-1225	SS	21485-M	0830-0925	EE
9590-B	0330-0425	EE	15365-B	2130-2225	DD	21485-M	0930-1025	In
9590-B	0430-0525	SS	15560-B	0030-0125	EE	21515-B	1730-1825	DD
9590-M	2130-2225	In	15560-B	2230-2325	PP	21590-B	1730-1825	AA
9590-M	2230-2325	In	15570-M	1630-1725s	DD	21685-B	1830-1925	EE
9590-M	2330-0025	DD	15570-M	1630-1725w	EE	21685-B	1930-2025	FF
9630-B	0630-0725	DD	15570-M	1730-1825	DD	21685-B	2030-2125	DD
9630-B	0730-0825	EE	15570-M	1830-1925	EE	21745-M	0730-0825	DD

B = Bonaire, M = Madagascar, w = weekdays, s = Sun, Cb = Caribbean

NORWAY

Radio Denmark Radio Norway Int'l

11865	0405	RNI: EE: Defection of a USSR trade delegate. (322 6/22 Brown)
15165	*1958	RNI: EE: IS, fanfare, sked & news; "Norway Today" @2015; amnts & into R.Denmark @2030. (443 6/29 Evans-TN)(333 Findlater-CA)
	*2030	RD: Danish: IS, EE ID, Danish ID & sked; News.(545 6/20 Brame)
15360	*0000	RNI: Norwegian: IS & OM w/news. (222 7/4 Findlater-CA)
	0100	RNI: EE: Report on the UN police force. (322 6/15 Brown-IL)
21705	2200	RNI: EE: Status of Norway's industrial manufacturing capacity. (333 6/16 Findlater-CA) Norway loans money to Eastern Europe. (242 6/16 Brown-IL) Same day and time, different topics. BC
17730	1910	RNI:A Norwegian: Talk abt Gorbachev & USSR.(343 6/7 Johnson-IL)
	2205	RNI: Norwegian: News, local about Norway. (333 6/7 Babin-MA)

POLAND

Radio Polonia

7270	2325	RP: EE: YL w/program on Polish arts & music.(433 6/4 Babin-MA)
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PORTUGAL

Radio Portugal

9555	0208	RDP: PP: //9600, 9635; OM w/talk & live mx. (545 6/30 Wolfson)
	0235	RDP: EE: News & Wx, followed by DX pgm. (433 6/8 Hankison-KS)
9600	0230	RDP: EE: Music, ID and news: Portugal & Spain sign an economic agreement. (322 6/24 Brown-IL)
9635	2225	RDP: PP: Short music interlude & freq sked.(434 6/20 Brame-IL)
9705	0250	RDP: EE: "Music Time" with description of Portuguese music. (333 6/18 Brown-IL)
	2330	RDP: EE/PP: "The Portuguese community in San Diego..", "Azores, land of your grandparents". (545 6/21 Robinson-TN)

ROMANIA

Radio Romania Int'l

11940	0200	RRI: EE: Cultural survey & Romania's Institute for management. QRM de co-ch RCI. (545 6/21 Robinson-TN)
	0402	RRI: EE: News, commentary and economics: Romania, development and the world bank. (232 6/27 Carson-OK)(322 7/11 Carson-OK)

SPAIN

Radio Beijing Radio Nacional de Espana

9630	0010	RNE: News about the volcano. (544 6/24 Bishop-NY) Israel bombs PLO bases in Lebanon. (555 6/5 Bellovich-FL) //11880; Main events in Spain this week. (333 6/3 Hart-MN)
	0130	RNE: "Everything Under the Sun" program. (434 6/6 Kyburz-CO)
	0500	RNE: EE: OM w/news. (444 6/12 Findlater-CA) @0515: "Panorama", abt rock n roll band. (444 6/7 Johnson-IL)
9690	0218	RBJ: CC: YL w/topic concerning Asia. (444 6/1 Jones-TN)
11730	0500	RNE: SS: OM w/news. (333 7/4 Findlater-CA)
11880	0030	RNE: EE: "Everything Under the Sun" Valencia beaches. (555 6/14 Fraser-MA) Mailbag & "Crossroads" (444 6/16 Brown-IL)
	0125	RNE: EE: News, comment & weather report. (555 6/13 Levison-PA)

RNE now has a new 24 hour world service in SS, and dropped 11880 in EE. -BC
22

SPAINRadio Nacional de Espana

continued

12035 0631 RNE: SS: Comments from "La Pranza" newspaper. (444 6/19 Carson)
 15110 2008 RNE: SS: Discussion on Spanish Bulls. (444 6/20 Tanini-FL)
 15365 2300 RNE: SS: "America to America" & news. (333 6/11 Tanini-FL)
 17845 *1930 RNE: SS: //17870; (222 6/23 Findlater-CA) (4446/7 Johnson-IL)
 17870 2037 RNE: SS: Spanish nationalist in France. (333 6/20 Tanini-FL)
 21570 0900 RNE: SS: //21555; YL/OM w/dialog. (222 6/16 Findlater-CA)
 21595 0500 RNE: SS: YL w/news. (333 6/15 Findlater-CA)

SWEDENRadio Sweden

9695 0342 RS: EE: Report on tourism & the cost of other countries.
 (Turns out Denmark is much cheaper) (333 6/19 Brown-IL)
 11705 0335 RS: EE: Parking, eating, fishing in Sweden, (433 6/22 Brown)

SWITZERLANDSwiss Radio Int'l

6125 0200 SRI: EE: Swiss Senate approves IMF membership. (322 6/18 Brown)
 6135 0209 SRI: EE: "The Two Bobs" w/sunspot info. (454 6/9 Neff-FL)
 9650 0110 SRI: EE: Sked & 15 minutes of Alpine mx. (333 6/10 Brown-IL)
 9885 0130 SRI: II: News: Pope against abortion. (544 6/20 Tanini-FL)
 0200 SRI: EE: Nx. (555 6/1 Jones-TN) (444 Johnson-IL) (444 Brown-IL)
 0314 SRI: EE/?: Frequency sked and language. (545 6/30 Wolfson-OH)
 12035 0200 SRI: EE: Listener's letters, varied topics. (443 6/17 Neff-FL)
 YL w/news. (333 6/6 Findlater-CA) (444 6/21 Brown-IL)
 13635 2142 SRI: EE: "Grapevine"; newer tamer Grapevine. (333 6/16 Brown)
 15525 2124 SRI: EE: "Swiss Short Wave Merry-Go-Round" (333 6/22 Brown-IL)
 21630 1540 SRI: EE: Switzerland contemplates abandoning neutrality.
 (322 6/23 Saarikko-NY)

UNITED KINGDOMBritish Bcasting CorpBritish Forces Bcasting Svc

6005 0528 BBC-Ascension: EE: Somalies return home. (333 6/7 Johnson-IL)
 6840 0206 BFBS: EE: Dance & pop music. (444 6/7 Karcheski-MA)
 7325 0215 BBC: EE: Aid workers in Cambodia attacked. (333 7/1 Brown-IL)
 9555 1630 RCI: RR: //21545; OM w/news. (222 7/4 Findlater-CA)
 9660 1730 VOA: Czeck: News. (222 6/8 Findlater) John, may be Wertackel.
 9915 0240 BBC: EE: Sports news about Wimbledon. (444 6/24 Brown-IL)
 12095 0553 BBC: EE: "The World Today", Eastern Europe. (344 6/28 Carson)
 15070 1715 BBC: EE: Special "Seeing Stars" pgm about the solar eclipse.
 w/live report from Hawaii, & Mexico @1900. (444 7/11 BC-NJ)
 15220 1316 BBC-Antigua: Major wants ties with Europe. (544 6/24 Tanini)
 15225 1845 BBC-Eng By Radio: EE: QRM de co-ch Beijing. (222 7/4 Findlater)
 15260 0000 BBC-Ascension: News about Bush/Gorbachev. (433 6/10 Tinini)

VATICAN CITYVatican Radio

9610 0259 VR: News on repeal of Apartheid laws, Guatamalan peace talks,
 AIDS conference in Florence. (333 6/18 Brown-IL)
 9755 *0207 VR: Armenian: //6185, 7365 (both 222); IS & symphonic theme mx;
 YL/OM w/talk. Mixing w/co-ch RCI. (322 6/19 Westenhaver-PQ)
 11625 0030 VR: PP: IS and Rx talk by OM. (222 6/4 Findlater-CA)
 15090 0630 VR: EE: OM w/nx: "broadcasting to Africa" (222 6/21 Findlater)
 2100 VR: EE: ID, "African Service"; nx & talk. (222 6/17 Findlater)
 15210 0600 VR: Esperanto: OM w/religious talk. (222 6/7 Findlater-CA)
 17730 0430 VR: FF: YL/OM dialog. (222 6/7 Findlater-CA)
 0504 VR: EE: //15090(444); Cardinal Angelini honored for his work.
 discussion of World Health Organization. (333 7/11 Carson-OK)

YUGOSLAVIARadio Yugoslavia

11735 0000 RY: EE: Nx, comments, "People & Events". (322 7/11 Carson-OK)
 Yugoslav President says there has to be restructuring. (333
 7/5 Brown) @0039: "Radio Hams Corner" (444 6/30 Johnson-IL)
 2100 RY: EE: Diminishing tourism because of political unrest.
 (333 6/23 Findlater) Nx of crisis. (555 7/7 Karcheski-MA)
 17740 1222 RY: EE: Music and comments. off @1227*. (433 7/1 Carson-OK)

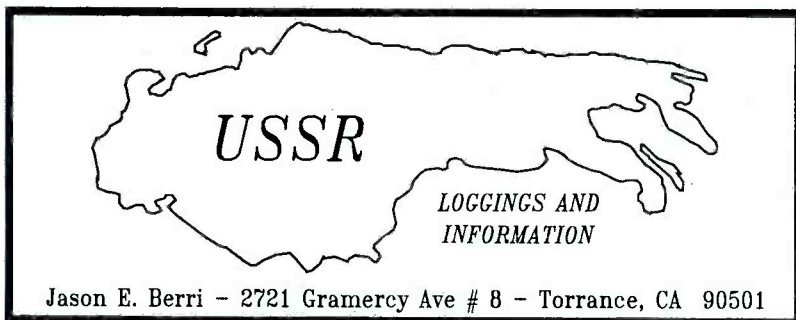
RADIO YUGOSLAVIA - in English

1200-1230 on 1725, 17740, 21600 2100-2145 on 5960, 11735
 1830-1900 on 6165, 15165 0000-0045 on 9620, 11735

Did you ever wonder where some stations get their interval signals?
 Radio Prague for example uses a melody from Czech composer Antonin Dvorak's
 Symphony #9, opus-95, titled "From the New World". It was written in 1893
 when he lived in America and was intrigued with our music and life style.

With that in mind, RPI is not only bestowing their heritage with Dvorak's
 music, but telling the world, "We like America". What do you think?

Do yourself a favor. Pick up a copy of Dvorak's 9th symphony to listen
 to. It's a wonderful piece of music. Right now, I'm listening to Dvorak's
 "Cello Concerto" in B minor, opus-104. It's terrific! See you next month!



USSR Radio Moscow Radio Kiev Radio Tashkent Radio Vilnius Radio Yerevan Radio Station Peace and Progress

- 4825 2313 R. Ashkhabad-Ashkhabad: RR: M/W tlc w/ ID heard (433 6/7 Bishop-NY)
- 11675 2200 RM: EE: IS, ID, M reading & answering letters from listeners (222 6/23 Findlater-CA)
- 11680 0400 RM: SS: IS, M nx (222 6/27 Findlater-CA)
- 11715 2200 RM: EE: tlc of pacific/asian region, praises for MIG-31 - can destroy cruise missiles (can do everything except chew gum) (555 6/21 Robinson-TN) *(ah, good ol' rhetoric - brings back memories of the old RM, hi. -ed)*
- 11720 0300 RM: SS: IS, ID - "to Americano Latino", M nx, latino mx (333 7/3 Findlater-CA)
- 11780 0115 RM: EE: M w/ classical mx pgm & tlc abt famous composers (534 6/10 Bellovich-FL) (Johnson-IL) (Findlater-CA)
- 11790 0000 RK: EE: tlc on 50th Anniversary of Nazi invasion and the Great Patriotic War, QRM de R. Norway Int. (545 6/22 Robinson-TN) *(also heard by Betsy at 2200 in Ukrainian. -ed)*
- 11870 1402 RM: EE: W nx, ID @ 1411, mx bridge, "New Market", QRM de R. Japan on 11865 (444 7/16 -ed)
- 11900 2200 RM: RR: IS, M nx, poor (222 6/23 Findlater-CA)
- 11980 0521 RM: EE: "Update" w/ cmtry on arms control (333 6/7 Johnson-IL) (Bellovich-FL)
- 12050 0740 RM: EE: "Update" - Yeltsin returns home, ads for "Share in Trade", address given for info (333 6/28 Hart-MN)
- 13605 0300 RM: EE: ID, M nx, "Update" (444 7/4 Findlater-CA)
- 13645 2300 RV: EE: M/W w/ story of Lithuanian prisoners held by Red Army during WWII, || 15455 (444 6/7 Findlater-CA)
- 13645 0000 RK: EE: ID, M nx (333 6/24 Findlater-CA)
- 15180 2000 RM: RR: IS, ID, M nx (444 7/4 Findlater-CA)
- 15180 2300 RV: EE: tlc on the Vilnius Cathedral, pgm abt 17th century Vilnius (545 6/22 Robinson-TN)
- 15185 1900 RM: EE: ID, M nx (222 6/7 Findlater-CA)
- 15330 2000 RM: EE: M nx (333 6/6 Findlater-CA)
- 15375 1808 RM: EE: nx, "News & Views" @ 1811 (only european signal hrd in 19mb on day of severe geomagnetic storm - really via USSR site?) (343 6/12 Westenhaber-QU) *(comments? -ed)*
- 15385 2200 RM: CC: IS, W nx, poor (222 6/18 Findlater-CA)
- 15410 0300 RM: EE: M nx, RR choral mx pgm by Moscow boy's choir (333 6/15 Findlater-CA)
- 15465 2200 RM: RR: IS, M nx, 2300* (222 6/21 Findlater-CA)
- 15480 2200 RM: RR: IS, ID, M nx (222 6/16 Findlater-CA)
- 15525 0000 RK: EE: W nx - Gorbachev committed to reforms, || 11790 (544 6/17 Bellovich-FL)
- 15535 2300 RM: CC: IS, M tlc (333 6/18 Findlater-CA)
- 15580 2300 RM: EE: M nx (333 6/5 Findlater-CA)
- 15585 2300 RM: ??: IS, M nx (222 6/19 Findlater-CA)
- 15595 0700 RM: EE: IS, ID, M nx (444 7/5 Findlater-CA)
- 15620 0800 RM: RR: IS, ID, M/W dialog (222 6/20 Findlater-CA)
- 17590 1900 RM: FF: ID, W nx (333 6/16 Findlater-CA)
- 17595 2200 RM: RR: IS, ID, M nx (333 7/5 Findlater-CA)
- 17605 0611 RM: EE: tlc on soviet trade w/ west, economic cooperation and development (232 6/28 Carson-OK)
- 17670 0300 RM: SS: IS, ID, M nx, || 17660 (333 6/25 Findlater-CA)
- 17695 1900 RM: EE: W nx - Yugoslavia, Afghanistan, Russian Federation (444 6/29 Johnson-IL) (Findlater-CA)
- 17850 0200 RM: EE: ID, M nx (333 7/5 Findlater-CA)
- 17890 0450 RM: EE: folk mx from Siberia, into nx @ 0500 (333 7/11 Carson-OK)
- 17895 *0400 RM: RR: IS, ID, M nx (222 7/4 Findlater-CA)
- 21690 0800 RM: RR: ID, M/W dialog, into EE @ 0900 (333 6/14 Findlater-CA)

Schedules

RM Relays via Havana, Cuba

11710: 2200-0400
11840: 1000-2200
11850: 0000-0500
[Andy Sennitt via ANARC BBS]

A very low turn out this month, probably due to the erratic propagation conditions created by the recent onslaught of solar flares. Bill Westenhaver reports that Radio Station Peace & Progress closed down on May 31. To be perfectly honest, I hadn't noticed, as I haven't been listening to RSP&P much recently. I remember Peace and Progress as one of my early "DX" catches with my old Panasonic RF-2900, about 13 years ago. I guess I'll have to take RSP&P out of the banner for the column (breaks the heart).

I received a letter from Mr. Anatoli Klepov, editor of the publication "Soviet Radio Today". He sent me a copy of the publication, which consists of several typed pages chock full of Soviet radio news. For example, there is an item on Radio Samara (located in Samara, USSR), that broadcasts on medium wave, FM and shortwave! The shortwave transmitter is located in the town of Tolyatti (no power given) and the schedule for Radio Samara is 0330-1630 on 6115 and 1630-1900 on 11905 KHz. Unfortunately, there is way too much information to reprint here. If you would like a copy of the pages, send a business-sized SASE to me and I'll send you a photocopy. Mr. Klepov is interested in trading information with me on a regular basis, so hopefully items from his news letters will become a regular feature here.

For those of you who have access to computers, I can be contacted electronically. I regularly log into both the ANARC BBS (913-345-1978) and the Pinelands BBS (609-859-1910). Both boards have extensive listings of swl information, electronic mail, and access to the Fidonet swl echo. I also have access to USEnet and the Internet. I can be contacted there using the email address berri@aerospace.aero.org and you may also see my postings in the USEnet news group rec.radio.shortwave.

Well, I have run out of things to say for this time. Thanks again for your continued support of the column and SPEEDX. CU next month. -Jason



BFBS FORCES RADIO

BFBS LONDON
Bridge House
North Wharf Road
London W2 1LA
Tel: 071 724 1234
Fax: 071 706 1582

The Radio Division
of





AFRICA

Paul Wakefield Box 188

West Branch, IA 52358

(Dates/Times in UTC - Freq. in kHz - Deadline the 12th)

What doldrums? Another fine turnout, with plenty of gems. Special commendations are in order for everyone who braved the solstistine static and brought home those 90 meter catches. Well done, all!

ALGERIA

7145 2211 RTV Algerienne: AA: Nx pgm (333 6/7 Babin-MA)

ASCENSION ISLAND

6005 0134 BBC: EE: Opera w/EE cmtry (444 6/10 Carson-OK)
 7105 0632 BBC: EE/FF: EE language lesson (333 6/23 Carson-OK)
 11750 2246 BBC: EE: International sports pgm (444 6/24 Brown-IL) Jazz mx, health pgm (434 6/4 Bellovich-FL) Talk show (323 6/10 Millard-TX)
 15160 2100 BBC: EE: English by Radio, 2115* (222 6/12 Findlater-CA)
 15260 1657 BBC: EE: Sports pgm, with a report on the US Open (444 6/15 Brown-IL) Cocaine king surrenders (555 6/19 A.Jones-TN) M w/nx (555 6/5 Findlater-CA)
 15400 2301 BBC: EE: Election violence in India (444 6/15 Brown-IL)
 17830 1830 BBC: FF: ID, W tlk, then English by Radio (222 6/23 Findlater-CA)
 17880 1400 BBC: EE: Nx- Barbados man receives award (333 6/17 Brame-IL)
 21660 1600 BBC: EE: Nx About Britain (444 6/8 Findlater-CA)

BENIN

4870 0457 ORT du Benin: FF: Test tone to 0459, drum & guitar IS, NA, W w/"Ici Parakou", then "Soul Train" type mx (343 6/7 Johnson-IL)

BOTSWANA

7255 0338 R. Botswana: {Sets}: M DJ w/American country mx (333 6/9 Babin-MA)

CAMEROON

4850 2209 CRTV-Yaounde: FF: Local nx (333 6/7 Babin-MA)

CENTRAL AFRICAN REPUBLIC

5034.5 0431 RTV Centrafricaine: FF: IS, instr NA, FF ID, local mx, gone by 0448 (222 6/24 Lewis-IL) [Welcome to the column!] FF male choral mx, 0445* (433 6/9 Babin-MA)

CHAD

4904.5 0427 RN Tchadienne: FF: Xylo IS, NA, ID(?) too soft to hear. "Bonjours, madames et monsieurs" over funky bass, into Afropops (434 6/17 Brame-IL) FF s/on w/ID (444 6/9 Babin-MA)

CONGO

4765 2350 RTV Congolaise: FF: VN & EE mx, 2357 M tlk & ID, full ID @2359, NA to 0000* (444 6/2 Karcheski-MA) Pgm of Afro mx, no breaks (433 6/1 Bishop-NY) Local pop mx (433 6/10 Babin-MA)
 15190 1240 RTV Congolaise(t): FF: Mx pgm w/M ancr (111 6/8 Hankison-KS) Tlk by M w/taped reports, ID as "La Voix de la Revolution", TC, into mx (333 6/20 Brame-IL)

EGYPT

9475 0207 R. Cairo: EE: Pgm on the Holy Koran (322 6/8 Hankison-KS) Discussion of Moscow summit, ID & freqs (232 6/6 Carson-OK) AA pop mx (433 6/30 Babin-MA) ME mx, ID, nx (322 6/18 Brown-IL) @0134 in SS: Mx, W tlk (444 6/29 Wolfson-OH)
 9900 0317 R. Cairo: AA: W singing, W DJ, then M chanting (434 6/30 Wolfson-OH) @2135 in EE: Nx- Tensions in Slovenia (222 7/5 Brown-IL) African & Arab nx, ID w/sked & freqs, into AA @2243 (433 6/20 Brame-IL)

EQUATORIAL GUINEA

5004v 2203* RN de Guinea Ecuatorial-Bata: SS: Heard the NA of Eq Guinea (222 6/16 Bishop-NY)
 7190.4 2110 R. Africa: EE: Rev Shambock delivers a sermon on the fiery furnace (222 6/26 Thornton-NJ)

GABON

9580 0459 ANO: FF: M & W w/anmts of bcst times, ID, ments of Libreville, into nx (444 6/23 Lewis-IL) Local mx & rock-heavy QRM (344 6/7 Babin-MA)
 11735 2355 RJ: EE: Nx summary (434 6/15 Gaharan-LA) World nx- referred to Bangladeshi PM as "he" & "Mr Zia"- as you know, PM Zia is a woman (444 6/26 Westenhaver-PQ)
 15475 1820 ANO: FF: West African mx (333 6/22 Hankison-KS)
 17620 0500 RFI: FF: M w/nx (333 6/7 Findlater-CA)
 17630 1352 ANO: FF: Afropop & disco mx, W DJ w/ID & TC, into M w/nx (444 6/17 Brame-IL)

GHANA

4915 0530 GBC-1: EE/VN: "This is the Ghana BC Corp. Radio One", hymns (343 6/29 Johnson-IL) @2240 Afro pop mx, ID (322 6/7 Babin-MA) Two M tlc in VN, Afro mx, TC (332 6/16 Bishop-NY)

IVORY COAST

7215 2318 RTV Ivoirienne(t): FF: Interesting mix of Afropops & middle-of-road FF pop mx, no ID heard (222 7/3 Thornton-NJ)

KENYA

4935 0320 KBC: EE: Pop ballads, incl one by ABBA (242 6/12 Johnson-IL)

LESOTHO

4800 0410 LNBS: Sesotho: Nx, then Afr pop mx- unbelievably good reception (444 6/9 Babin-MA)

MADAGASCAR

11955 1355 RN: DT: M tlc w/reports from diff ancrs, sports 7/17575 (433 6/20 Brame-IL)
 15570 1836 RN: EE: Newline, Media Network (333 7/11 Carson-OK)
 17575 0830 RN: EE: World nx, ID- poor (222 6/7 Findlater-CA) S/on, world nx, followed by Asia Scan (222 6/8 Hankison-KS)

MALAWI

3380.6 0258 MBC: EE/Chichewa: Song by chorus (anthem?), clear EE ID @0259 "You are tuned to the MBC", tlc in VN to 0309, then local mx w/prominent drums to 0352, tlc & baby cries (infant health promo?), M ment Malawi @0359- tnx to Al Quaglieri for the tip on this one (252 6/25 George-MA)

MALI

11715 0340 RB: EE: Listener's question on Chinese characters (323 6/16 A.Jones-TN) Tlc on a new Beijing center for the disabled //barely audible 15285 (243 6/6 Westenhaver-PQ) @0430 in CC: W DJ w/CC vocal mx, 0500* (333 6/5 Findlater-CA)
 15285 0040 RB: EE: CC lesson w/EE explanation (555 6/11 Levison-PA)
 17705 0030 RB: EE: Current Affairs- Dr Shui's acupuncture methods, popular Chinese names (554 6/8 Fraser-MA)

MAURITANIA

4857.3 0625 ORIM: AA: Whopping signal, s/on w/complex string IS, "Huna Nouakchott", recitation, strident singing- the freq decreased very steadily @0.15 kHz/min to 4848 by 0725 fade-out [fine-tuning the transmitter, no doubt- ed.] (454 6/30 George-MA) AA mx, heavy QRM (322 6/15 Bishop-NY)

MOROCCO

15335 2355 RTV Marocaine: AA: AA pop mx, W DJ, military march w/M voice-over incl ments Rabat, back to mx (434 6/19 Brame-IL) M tlc, chanting (222 6/11 Findlater-CA)

MOZAMBIQUE

3210.3 0401 R. Mozambique(p): PP: Nx, into Afro ballads @0408- terrific signal (454 6/24 George-MA)

NAMIBIA

3270 0030 R. Namibia: EE: Just heard mx (433 6/20 Bishop-NY)
 3290 0515 R. Namibia(t): ?: W ancr, choir singing, sounded religious
 (433 6/9 Babin-MA)

NIGER

5020 0505 ORTN: AA/VN: Chants/Qu'ran recitation, later children
 singing in VN (232 6/7 Johnson-IL)

NIGERIA

7255 0457 VON: EE: The five whys of OAU (343 6/10 Neff-FL) Pgm about
 the African child (333 6/18 Hart-MN) [Also reported by
 Bagozzi-CA, Bellovich-FL, Westenhaver-PQ, Brown-IL, Carson-
 OK, and Babin-MA]

RWANDA

6055 *0255 R. Republic Rwandaise: FF: IS, NA, W in FF w/"Ici Kilgali",
 M w/fcy anmt, local mx (322 6/14 Lewis-IL)
 7225 0425 DW: EE: Pgm of western pop mx (333 6/2 Babin-MA)
 17860 1835 DW: GG: M tlk about German politics (444 6/17 Brame-IL) W
 w/nx (333 7/4 Findlater-CA)

SENEGAL

4890 2351 ORT du Senegal: FF: Hilife to 2359 ID, one beep or tone
 @0000, then M w/nx, back to hilife (353 6/1 D'Angelo-PA)

SEYCHELLES

11730 0300 BBC: EE: English by Radio (222 6/10 Findlater-CA)
 15420 0300 BBC: EE: ID, Newsdesk (222 6/10 Millard-TX)

SOMALIA

7200 *0259 Somali BC Svc(t): SM: Sung NA, M tlk in SM, Qu'ran
 recitation-good signal, poor mod & lots of ARO QRM (322
 6/28 Lewis-IL)

SOUTH AFRICA

3215 0325 R. Oranje: AK: American mx, M DJ (333 6/9 Babin-MA)
 3320 0039 R. Orion: EE: American pop mx, TC (433 6/20 Bishop-NY)
 4810 2335 R. Orion(t): AK: Afro mx, (t)ID (312 6/4 Babin-MA)
 9675 0253 R. RSA: FF: IS, ID, s/on routine, into nx, co-channel QRM in
 PP (R Cancao Nova?) & QRM de VOA-9670 in SS (322 6/6
 Westenhaver-PQ)
 15210 1705 R. RSA: EE: Nx of Somali peace talks (222 6/23 Thornton-NJ)
 15365 1400 R. RSA: SH: Religious mx, poss sermon (222 6/2 Hankinson-KS)
 17790 1703 R. RSA: EE: M w/nx of Angola, Tanzania, political violence
 in RSA (323 6/9 Bellovich-FL)

SWAZILAND

3200 0410 TWR: GG/EE: GG religious pgm, chime IS @0428, then canned
 Bible pgm w/PA address (343 6/24 George-MA)
 5055 0435 TWR: EE: NX, heavy QRM from SS station (322 6/2 Babin-MA)

TOGO

5047 2325 RTV Togolaise: FF: US & Europop mx, TC & ID @2328, back to
 mx (444 6/2 Karcheski-MA) @0529 s/on w/tone & ID, M anmt
 (444 6/9 Babin-MA)

TUNISIA

12005 0430 RTV Tunisienne: AA: Continuous chanting (333 6/5
 Findlater-CA)

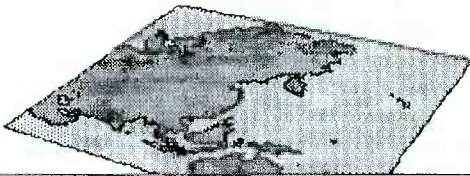
ZAIRE

7100 2108 LV du Zaire: VN: M DJ w/local mx (232 6/7 Babin-MA)

UNID

9700 0615 ?: FF: Afropop set to 0630, then FF mx, no ID heard, format
 reminded me vaguely of ANO (but no jingles) or Cote
 D'Ivoire, fading out & unreadable by 0640 (222 6/18
 Westenhaver-PQ)

Thanks to John Carson for the station info, and Don Thornton for the
 Phillies Photo Highlights. Back with more in September.



ASIA/OCEANIA

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H2X 2C1

Deadline: 12th
Dates/Times: UTC
Frequencies: KHz

Hi there! In last month's column, I was wondering how the awful propagation conditions in the first couple of weeks of June would affect the number of loggings submitted for this month's column. Well, the number of loggings is way down on the usual count, but there are still quite a few interesting things here, from some people who took good advantage of the disturbed conditions to log some nice catches.

<u>AUSTRALIA</u>		<u>Radio Australia</u>	<u>VLW Wanneroo</u>	<u>VLQ Brisbane</u>
7140	1039	RA:	EE: Px of Newport jazz and other mx (343 6/19 Neff-FL)	
9580	1710	RA:	EE: Tlk abt Sri Lanka's Tamil Tigers; never heard on this frq at this hour before! (222 6/22 Thornton-NJ) (That is awfully late for them, Don.-ed.) @ 1300 w/nx of "Zulu Freedom Party" (555 6/22 Robinson-TN) @ 1050 w/rpt/interviews on workers' safety/industrial accidents (454 6/24 Fraser-MA) (Also reported by Hart-MN, Millard-TX)	
9610	1058	VLW9:	EE: End of px; anmts and "ABC Radio" ID; TC; then nx (422 7/1 Brame-IL)	
9660	1300	VLQ9:	EE: Nx followed by call-in px (222 6/2 Hankison-KS) @ 1140 w/interview px w/w host; @ 1200 nx/wx; mixing w/R. Rumbos (323 7/2 Brame-IL)	
9860	1800	RA:	EE: ID; sports rpt; DJ w/pop mx (333 6/8 Findlater-CA)	
13605	1704	RA:	EE: Nx w/items on mining and Fiji's political problems (423 6/22 Bishop-NY)	
15240	0723	RA:	EE: Tlk abt support by Indian political party BJP for ethnic Indians in Fiji (43444 6/12 Leader-IRELAND) @ 0850 w/jingle ID; press review (353 6/7 Neff-FL)	
15365	0654	RA:	EE: Caught at EE close-down w/frq anmt; "Waltzing Matilda" to 0700; then back in FF; co-channel QRM de R. RSA (343 6/10 Lukas-NY) @ 0625 w/wx; then px "Australian Country Style" (555 6/14 Levison-PA) (Also logged by Findlater-CA; ed.)	
15425	0900	VLW15:	EE: ABC News (Philippines eruption/Sununu in hot water again); //9610 splattered by KGEI-9615 (252 6/20 Wakefield-IA)	
17630	0835	RA:	EE: Asian sports nx (basketball/soccer) (444 6/4 Johnson-IL)	
17795	0001	RA:	Nx of Yugoslav situation (333 6/28 Brown-IL) @ 0300 also w/nx (454 6/4 Babin-MA)	
21525	0600	RA:	EE: "Letter to Pacific Nations" w/w cmty on increase in smoking by women; //21740/21775 (444 6/4 Findlater-CA)	
21740	0020	RA:	EE: "Australian Culture in the USA"--from Crocodile Dundee to food ("Have a Foster's, mate?") (243 7/3 Thornton-NJ) (No thanks, Don, I'm the designated typist.-ed.)	
21775	0200	RA:	EE: Nx; then sportscaster reporting horse races (444 7/5 Findlater-CA)	

BANGLADESH

Radio Bangladesh

15208 1228 RB: EE: IS; ID; world nx; cmty; subcontinent mx; off 1259* after closedown anmts (222 6/30 Thornton-NJ)

BHUTAN

Bhutan Broadcasting Service

5025 1345 BBS: ??/EE: Light/national types of mx (sounds like AIR's "Music from Films"); nx in lang and W EE nx; fairly readable until abt 1410--then faded down, a few words readable (242 6/12 Flynn-OR) (I wish that I could somehow reproduce here the tape of BBS nx in EE which Ralph Famularo-JP sent along. Thanks for taking the trouble, Ralph!-ed.)

(Gee, if I only had another sesqui-inch here, I'd have room to start China.)

CHINARadio Beijing

- 11500 2142 RB: EE: W/M explain abt Chinese surnames (142 7/3 Thornton-NJ)
 15330 *2230 RB: CC: IS; then W tlk; Bulgaria underneath (222 6/18 Findlater-CA) (Here in ECNA, Bulgaria is definitely dominant on the frq.-ed.)
 17755 *0100 RB: SS: M tlk...0158* (333 6/11 Findlater-CA) @ 0154 w/closing sked anmt w/address; theme mx and off 0156* (343 6/1 ed.) (I'm not 100% sure of the site on this one. The audio quality was quite telephonic, much like the relays via Mali--but I don't believe Mali has more than two xmtrs. Brazil? Does anyone have more info on this one?-ed.)

FRENCH POLYNESIARFO Tahiti

- 11825 1415 RFO: FF: 2 M w/funny talk show ("at least they thought they were funny") (222 6/9 Hankison-KS) (Maybe they were talking about Jerry Lewis?-ed.)
 15170 0350 RFO: FF: Mix of FF/island mx; 0358 W anmt; 0400 M nx; dreadful het! (33232 6/29 Thompson-CA) @ 0848 w/M clear ment Tahiti; then M phone call (322 6/16 Lewis-IL) (Welcome to the column!) on 15170.8 in Tahitian w/"more Grass Skirt/Cowpoke music mix --this stuff's weird" (444 6/4 Johnson-IL) (Also logged by Hankison-KS, Levison-PA)

GUAMKSDA

- 15610 2259 KSDA: EE: IS; opening anmts w/"This is Adventist World Radio ...KSDA, Guam"; into rlg px (212 6/26 Thornton-NJ)

INDIAAll India Radio

- 7412 2228 AIR: EE: Subcontinental string/vocal mx; closedown anmts; 2230* (222 7/3 Thornton-NJ)
 9910 0006 AIR: EE: M/W subcontinental vocal mx w/string accompaniment (212 7/3 Thornton-NJ)
 9980 2208 AIR: EE: Tlk abt small industries and the Development Bank of India (34433 6/11 Leader Ireland)
 11620 2120 AIR: EE: W ID; then Indian mx (444 6/4 Babin-MA)
 17850 1215 AIR: TAMIL/EE: Mx; then "Comments of the Press" (222 6/1 Hankison-KS)

IRANVoice of the Islamic Republic of Iran

- 9022 0114 VOIRI: FARSI: W w/some sort of reading; then mx (444 6/29 Wolfson-OH) @ 0103 in SS w/M reading world mx; then tlk abt economic difficulties (322 7/3 Thornton-NJ) @ 0130 in FARSI w/Mideast mx (555 6/18 Trescher-PA) (Note that VOIRI's bcsts are now on the air one hour earlier, since Iran's gone on DST this year--info from BBC M via Andy Sennitt/"Media Network" 5/23/91.-ed.)
 15084 1910 VOIRI: FARSI: Mideast mx; then what sounded like Iranian nx items. (312 6/24 Trescher-PA)

ISRAELReshet Bet relay Kol Israel

- 9435 0012 KI: EE: Nx; then "Calling All Listeners" mailbag px (444 6/10 Rontanini-FL) (Welcome to the column!-ed.) @ 0027 w/mx; then into IS (433 6/20 Bishop-NY) @ 0002 w/nx; rpt on the Jewish National Film Festival (333 6/27 Brown-IL) @ 0112 w/feature on jobs in Israel (343 7/4 Johnson-IL)
 11605 0000 KI: EE: Nx of rush of Soviet Jews immigrating to Israel before Soviet passport laws change (333 7/1 Brown-IL)
 13752 0300 KI: ??: M tlk and vocal mx (222 6/2 Findlater-CA) (John, this should be the Reshet Bet relay in Hebrew on this frq.-ed.)
 15640 1925 KI: EE: "DX Corner" on planned cutbacks to EE bcsts (333 6/16 Saarikko-NY) (The cutbacks have been postponed until the end of August, while a committee debates their usefulness.-ed.) @ 1915 w/"Calling All Listeners" talking abt immigration of Ethiopian Jews (454 6/16 Fraser-MA) (Almost psychic!-ed.) (Also logged in EE by Brown-IL and in FF by Robinson-TN)
 17685 *1900 KI: EE: Nx; "Calling All Listeners" w/interesting tlk on Ethiopian Jews (434 6/16 Bellovich-FL) @ 1900 w/nx of expected total of 200,000 Soviet Jews to go to Israel in June (555 6/3 Robinson-TN)

(KI still needs all the listener support they can get to prevent the cuts in service; you can write them at the P.O. Box 1082, 91010 Jerusalem address, or you can fax them on +972 2 223282.)

JAPANRadio Japan

9535 1730 RJ: SWAHILI: W news (333 7/4 Findlater-CA)
 9610 *1830 RJ: FF: ID; then M nx (333 6/18 Findlater-CA)
 15325 0700 RJ: EE: W tlk abt popularity of pachinko in Japan (333 6/5 Findlater-CA)
 17810 2330 RJ: EE: M tlk on role of Japanese Navy in international waters (333 6/4 Findlater-CA)
 17890 0700 RJ: EE: W nx: //17810, 15325 (333 6/18 Findlater-CA)

JORDANRadio Jordan

11810 1350 RJ: AA: M ancr tlks (333 6/9 Hankison-KS)

KIRIBATIRadio Kiribati

14917.5 0810 RK: I-KIRIBATI: Vernacular mx and tlk; also EE pop mx (343 6/28 Karcheski-MA) @ 0630 on 14917.6 in EE/Vern w/RNZI relay to 0700; then W Vern tlk/anmts w/lots of ukelele mx to past 0800 fadeout; best ever heard--love those sunspots! (444: 6/30 George-MA) @ 0556 on 14917.7 in EE w/W lcl anmts to 0600; then BBC WS "Newsdesk" (343 6/29 Johnson-IL) (It's NICE to see all these loggings of this one again!-ed.)

KOREA, D.P.R.Radio Pyongyang

9977 *1700 RP: EE: M nx; then light classical mx; //9640 (333 7/4 Findlater-CA)
 15230 *0600 RP: EE: W nx; then W description of cinema theaters in North Korea (444 7/4 Findlater-CA) (Probably not much competition from the VCR market there, I guess.-ed.)

KOREA, REPUBLIC OFRadio Korea

9750 1325 RK: KK: Mx px w/W host (222 6/9 Hankison-KS) @ 1216 in EE w/ Full EE sked; nx (444 7/2 Brane-IL) @ 1236 w/px of M/W vcls (232 6/2 A. Jones-TN)
 9870 1820 RK: FF: ID; W tlk; //9515 (222 6/20 Findlater-CA)
 15575 0000 RK: EE: IS; then world nx (222 6/22 Brown-IL) @ *0130 w/start of SS px; really poor (221 6/5 Bishop-NY)
 (Note that the 1000-1030 SS and 1030-1100 px in EE on 11715 are relays via Sackville, and should go to the Western Hemisphere column.-ed.)

MARIANA ISLANDSKPBS KHBI

9465 1553 KPBS: RR: M RR tlks--certainly seemed religious (433 6/17 Bishop-NY)
 9530 1400 KHBI: EE: Nx of President Bush and the Gulf war celebrations; //13625 was SIO 222 (333 6/8 Hart-MN)

NEW ZEALANDRadio New Zealand International

9700 1100 RNZI: EE: Nx--earthquake in progress!!; then phone-in show (555 6/9 Wolfson-OH) @ 0830 w/interview w/a 93-year old radio star (353 6/7 Neff-FL) @ 1200 w/ID/world nx (333 6/12 Millard-TX) @ 1117 w/mx by Mel Torme/George Shearing (544 6/22 Brown-IL) (Be careful--even w/classy mx like this, they'll occasionally slip in a Barry Manilow song!-ed.) @ 0730 w/2 W discussing pub food in NZ (555 6/6 Findlater-CA) @ 0936 in HINDI w/filmi mx and short M/W tlks; this is px for F1j1 (444 6/7 ed.)
 13785 1855 RNZI: EE: Cricket play-by-play; @ 1900 nx leading w/man in Auckland poised to jump from bridge (222 6/22 Thornton-NJ)
 17770 0357 RNZI: EE: Rugby match; nx on the hour; Toyota ad; then locker room interview w/rugby players (353 6/15 Lukas-NY) @ 0218 w/Rugby League scores (433 6/10 Bellovich-FL); @ 0229 w/TC/ID; Carol King song (333 6/21 Cichorek-NJ) (Also logged by Brown-IL, Johnson-IL, Karcheski-MA)

OMANBBC WS relay

15310 1305 BBC: EE: "Newshour" (322 6/8 Hankison-KS)

PAPUA NEW GUINEA

3235 0958 R. WEST NEW BRITAIN: PD/EE: Bilingual cocoa market prices; into PD network nx (//3385); @ 1006 PD/EE nx (which wasn't //3385) (322 6/18 Wakefield-IA)

(There's more PNG where this came from....)

PAPUA NEW GUINEA continued...

3314.9 1014 (p)R. MANUS: PD: US/Aussie country mx; W DJ in PD; drumming @ 1015; into song in lcl lang (222 6/18 Wakefield-IA)
 3385 0933 R. EAST NEW BRITAIN: PD: EE/lcl pops; long W tlc; then @ 1000 nx which was 7/3235 (322 6/18 Wakefield-IA)
 3905 0900 R. NEW IRELAND: EE/PD: EE nx wrapped w/"NBC News"; back into PD px w/M tlc; good despite high noise level (322 6/17 Wakefield-IA)
 4890 0800 NBC PORT MORESBY: EE: M local nx; weak and scratchy (222 7/5 Findlater-CA)

(These are good examples of how disturbed propagation conditions can actually improve some trans-equatorial circuits.)

PHILIPPINES

VOA relay Far East Best Corp Radio Veritas Asia
 9590 *1600 VOA: BENGALI: M nx; //11880, 15185 (222 6/22 Findlater-CA)
 9770 2307 VOA: EE: "VOA Morning" w/items on Bush at Mount Rushmore and Medellin drug cartel (222 7/3 Thornton-NJ) (A nice catch at this time of day!-ed.)
 11880 *1600 VOA: BENGALI: W nx; //9590, 15185 (333 7/4 Findlater-CA)
 11790 1058 RVA: EE/VV: Cheesy mx; ID w/frqs in EE; into VV px (333 7/2 Brame-IL) (You're right, Daniel; they do have some of the cheesiest fill mx around!-ed.) (Yes, I know that this is out of order!)
 15100 1105 FEBC: EE: ID "This is FEBC R. International, transmitting from Manila, Philippines" (344 7/2 Brame-IL)
 15160 1446 VOA: EE: Px abt AIDS, discussing safe sex and the drug AZT (323 6/4 Bellovich-FL)
 15185 2230 VOA: EE: Nx in Special English (322 6/23 Brown-IL)
 15305 0100 RVA: TAMIL: ID; then px of Asian mx (322 6/11 Millard-TX)
 15425 1410 VOA: EE: "VOA Jazz Hour" (333 6/8 Hankison-KS) (No lack of classy mx there, I'm sure.-ed.)
 15480 0225 FEBC: EE: Px "Back to the Bible" (333 6/5 Hankison-KS)

SAUDI ARABIA

Best Service of the Kingdom of Saudi Arabia
 11935 2040 BSKSA: AA: AA prayers (322 6/14 Babin-MA) (The 1991 WRTH lists the Holy Qur'an px here at this time.-ed.)
 15060 0355 BSKSA: TURKISH: Test tone; lute IS; s/on w/TP on the hour; then into Qur'an (343 6/29 Johnson-IL)

SINGAPORE

BBC WS relay
 9740 1220 BBC: EE: "Multitrack 1" pop mx countdown px (333 7/2 Brame-IL)

SOLOMON ISLANDS

Solomon Islands Best Corp
 5020 1028 SIBC: EE: M reading calendar of local events and sports (343 6/28 Johnson-IL)
 9545 0758 SIBC: EE: Ad for a range of appliances "to make your day"; tlc abt Island people and inflation; ID hrd; QRM from 9550 @ 0800 (322 6/28 Hart-MN) (Go ahead; make my day!-hi!-ed.)

SYRIA

Radio Damascus
 12085 2113 RD: EE: W ancw w/lcl Arab nx; excellent signal! (544 6/4 Babin-MA)
 15095 2147 RD: EE: Lively Mideast mx; cmtly on the Lebanese Army and Israel; more mx; ID (333 7/5 Brown-IL)

TAIWAN

Central Best System Family Radio relay
 7250 0800 CBS: CC: Long M tlc...off w/NA 0850* (222 6/10 Findlater-CA) (They've really changed the times around on this one, since the WRTH lists a break 0700-0950.-ed.)
 9955 1600 FR: RR: W tlc and hymn mx (222 7/4 Findlater-CA)

TURKEY

Voice of Turkey
 9445 2330 VOT: TK: M tlc, then "real good Turkish music" (544 6/4 Babin-MA) (They do have good mx, don't they?-ed.)
 9685 *2200 VOT: EE: IS/ID; then blasted away by co-channel R. Japan Relay via Montsinéry, French Guiana (353/311 6/19 Fraser-MA)

UNITED ARAB EMIRATES

Voice of the UAE Abu Dhabi UAE Radio Dubai
 9780 2118 VOUAE: AA: AA vcls; @ 2129 ID; px of tlks over EZL mx to 2140; ID/AA vcl; Qur'an 2145-2151; M s/off amnt; NA; 2153* (243 6/23 ed.)

UNITED ARAB EMIRATES continued...

13605 2230 VOVAE: EE: Relay of lcl Capital Radio (93.5 FM) for a full half-hour w/continuous Western mx; promo for daily currency exchange px (453 6/30 D'Angelo-PA) @ 2329 w/px "Arab Muslim Institutions" (343 6/21 Brown-IL) @ 2340 w/px "Scientific Facts in the Holy Qur'an" ("This is for real! I didn't make this up!") (444 6/16 Bellovich-FL) (I believe you, John.-ed.) (Also logged by Neff-FL, Johnson-IL)

13675 2000 RD: AA: Mx; then continuous chanting (333 6/21 Findlater-CA)

15305 2327 VOVAE: EE: Px "Arab Muslim Institutions" (333 6/28 Brown-IL)

15400 1757 RD: AA: Very driving AA mx; TC/ID "min Dubayy"; W tlc (433 7/2 Brame-IL)

15435 0230 RD: AA: M Qur'an reading (333 6/16 A. Jones-TN)

17855 2300 VOVAE: EE: Tlc abt Abu Dhabi airport (555 6/21 Robinson-TN) @ 2210 w/cmtly on the Holy Qur'an; then px "Shaping Modern Arab Thought" (333 6/6 Flynn-OR)

VIETNAM

Voice of Vietnam

15009.2 1955 VOV: FF: W w/(p) comments on VV vocal mx (323 6/23 Thornton-NJ)

CLANDESTINE

6325 1308 "VO THE KHMER": ??: World nx in SEAsian language (M/W alternating); regional instrumental mx; M interviews 2nd M (343 5/13 Flynn-OR) (Bill was wondering if this is transmitted from Kunming, China; I'm not really sure--does any one have any further information?-ed.)

17950nf 2242 "VO FREE IRAQ": AA: Political speech by M; Orchestral mx to 2246; then into lcl vcls; 2300-2310 W nx; then Qur'an; // 9570 (252) and 15605 (353) (353 6/6 D'Angelo-PA)

Well, it's that time of the year again--time to make my occasional spiel about including plenty of programme details in the loggings. Actually, I think that some people may be intimidated by the term "programme details," since they might feel that they can't really give details of programming which they hear in a language which they can't understand. One could think of it, instead, as "what you heard." Even if you can't understand what's being said, you can describe what you hear, such as types of mx (instrumental/vocal/AA/subcontinent/Madonna), announcements (As Our Esteemed Publisher once said, "Kilohertz--the same in every language."), times when languages change, and that sort of thing. This will certainly make your logging more interesting to read for all of us, and will better help other members in identifying the stations. Picking key words (personal/place names, for example) out of a talk makes things more interesting, too. (Which would you rather read--"OM tx in AA" or "M tlc in AA w/ments Gorbachev and Winnie-the-Pooh"?) Don't forget ID's, too--even texts of ID's, if you can copy them, even phonetically. You don't need transcriptions of huge blocks of text, of course, but a few details can work wonders. Thanks in advance for your help.

* * *

Well, there's something new to look for on the shortwave bands--but not many of us will find it, unfortunately. According to a BBC M report quoted by Andy Sennitt on the 7/11 "Media Network" programme, Republic of Yemen Radio has now introduced a daily half-hour programme in English. The hitch is that it's broadcast at 1600-1630 UTC, which is a time when we can't expect that the frequencies used--5970 and 7190 kHz--will propagate to North America. Our members in Europe and Japan, though, might be able to pick it up--and if any do, I hope that the loggings will be appearing here.

* * *

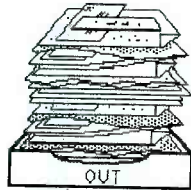
I'm not used to doing this column before a live audience, but this time, I'm honoured to be in the presence of two of our staffers--Ed Janusz (my boss, so to speak), and Don Thornton. It's always fun to get together with these guys, as anyone who's attended the Winter SWL Fest in Kulpsville can attest. Hey, now that this column's done, I'm not the designated typist anymore, and I can have one of the Foster's which Unca' Donald brought up. (That's one A/O beer we don't get here in Québec.) Bye for now!

P.S.: While typing this page, I heard a letter on KI's "Calling All Listeners" from our own Bob Fraser, decrying the proposed outbacks. Let this be an example to us all.

73—
Bill

QSL REPORT

Mike Wolfson
1842 Mifflin Ave.
Ashland, OH 44805



AFRICA

Angola R Nacional 9535 f/d cd rpt PP (Reese, Del.)
Benin ORTB 4870 f/d cd 210 ds \$2 rp b/c tape rpt FF (Willers, Switzerland)
Cameroon CRTV 4850 f/d cd (info cd on country) 42 ds \$1 rp rpt EE (Willers, Switzerland thanks for the cards-MW!!)
Equatorial Guinea R Africa 7180 f/d cd (logo, via Cal. address) 40 ds rp ms rpt EE (Reese, Del.)
Madagascar R Netherlands 15570 f/d cd (staff pix) 49 ds 1 IRC rpt EE (Carson, Ok.)
Morocco VOA 17715 f/d cd (Bethany transmitter, freq sked, pamphlet) 60 ds rpt EE (Millard, Tx.)
Nigeria V of Nigeria 4890 f/d cd 540 ds (w/2 followups) \$1 rp rpt EE (Willers, Switzerland)
Seychelles BBC 15420 p/d ltr 107 ds \$1 rp rpt EE v/s Peter Lee (Millard, Tx.)

ASIA/OCEANIA

Australia RA 9580 f/d cd 46 ds rpt EE (Humenyk, Ont.)
India AIR 15265 cd 60 ds rpt EE (D'Angelo, Pa.)
Israel Kol Israel 11605 f/d cd (multi lang Kol Israel ID, freq sked) 54 ds rpt EE (Bishop, N.Y.)
Korea D.P.R. R. Pyongyang 11335 f/d cd (flower pix) 101 ds \$1 rp rpt EE (Millard, Tx.)
Korea, Republic of R. Korea 15575 n/d cd (pix of dance, freq and pgm sked) 24 ds rpt EE (Bishop, N.Y.); 15575 f/d cd (sked, cd, forms) 27 ds rpt EE (Willers, Switzerland); 9750 n/d cd (sked, stickers) 65 ds 2 IRCs rpt EE (Carson, Ok.)
Malaysia V. of Malaysia 15285 p/d cd 396 ds 2 rp rpt EE (Reese, Del.)
Mariana Islands KHBI 13625 f/d cd (logo) 222 ds rpt EE (Levison, Pa.)
New Zealand RNZI 17770 f/d cd (shepherd and sheep, tiki charm) 42 ds 3 IRCs rpt EE (Brown, Ill.); 17770 f/d cd 32 ds \$1 rp (Gaharan, La.); 9700 f/d cd 21 ds rpt EE (Wolfson, Oh.)
Oman R Sultanate of Oman 17770 f/d cd (pix of country, stn, info) (2 followups) 1062 ds (GOOD JOB JIM!!) \$2 rp rpt EE (Evans, Tn.); 17735 QSL folder (info, stn pix) 570 ds \$1 rp rpt EE (Willers, Switzerland); 11890 f/d cd 858 (!) ds rpt EE m/s v/s Rashid Haroon (George, Ma.)
Papua New Guinea R.E. New Britain 3385 f/d cd 525 ds rp v/s Raka D. Saini (Gaharan, La.); R Manus 3315 p/d ltr 36 ds 1 IRC rpt EE v/s Eliun Sereman Acting Stn. Manager (Lewis, Ill.); R. E. New Britain 3385 f/d cd 142 ds (2 followups) rpt EE ms v/s Eselcia Mael (George, Ma.)
Singapore BBC 9740 f/d cd (pix of BBC relay stn) 21 ds 2 IRCs rpt EE (Brown, Ill.); 9740 f/d cd 19 ds \$1 rp rpt EE v/s K. Shishkova (Bagozzi, Ca.)
Solomon Islands 9545 f/d cd (logo) 44 ds rp 2 rpt EE v/s George Tora (Brown, Ill.)
Syria R. Damascus 12085v f/d cd (logo, newspaper) 90 ds rpt EE (Levison, Pa.); 12085 f/d cd (nx paper, sticker) 120 ds ms rpt EE (Lueck, Wis.)
Taiwan VORC 5950 f/d cd (kids artwork, sked, sticker, paper) 25 ds rpt EE (Levison, Pa.); 5950 cd (stickers, sked, nx paper) 56 ds 2 IRCs rpt EE (Carson, Ok.); V of Asia 9280 f/d cd 28 ds rpt EE (Humenyk, Ont.)
Tibet Tibet People's B/C Stn 4750 cd ltr (sked) 161 ds rpt EE v/s Lobsang Chonphel, ancr (D'Angelo, Pa.)
Vietnam V of Vietnam 9840 f/d cd (sked, cd) 173 rpt EE (Willers, Switzerland)

EUROPE

Austria RAI 13730 f/d cd (Marie Antoinette) 53 ds rpt EE (Brown, Ill.); 9875 ltr (w/QSL info) 56 ds (Gaharan, La.); 13730 f/d ltr (w/QSL info) 47 ds rpt EE (Bishop, N.Y.); 6155 f/d cd (magic flute cd, sked) 26 ds rpt EE (Willers, Switzerland); 9870 f/d ltr rpt EE (Humenyk, Ont.)
Belgium BRT 21815 f/d cd (night pix of Antwerp) 56 ds rpt EE (Levison, Pa.)
Bulgaria R. Bulgaria 11690 f/d cd rpt EE (Bagozzi, Ca.)
Cyprus BBC 11720 f/d cd (antenna/map cd) 90 ds \$1 rp rpt EE (Millard, Tx.)
France RFI 6175 f/d cd (sked) 18 ds rpt EE (Willers, Switzerland)

Germany PFBS 15050 f/d cd (logo, ltr) 98 ds \$1 rp rpt EE (Willers, Switzerland) (what kind of station is this Steve?-MW)
Hungary R. Sofia 11680 f/d cd 90 ds (Gaharan, La.); R. Budapest 9835 f/d cd (stickers, sked, ltr) 92 ds 2 IRCs rpt EE (Carson, Ok.)
Iceland ISBS 13855 f/d cd 30 ds \$1 rp rpt EE (Willers, Switzerland)
Italy RAI 9575 p/d cd (pix of painting) 210 ds rpt EE (Brown, Ill.); 11800 f/d cd (Pix Fantini Painting) 340 ds f/d cd rpt (Brown, Ill.)
Monaco TWR Monte Carlo 9480 f/d cd (pennant, strn info) 23 ds 2 IRCs rpt EE (Carson, Ok.); 9480 f/d cd 24 ds rpt EE (Humenyk, Ont.)
Netherlands R Netherlands 5955 f/d cd 23 ds rpt EE (Willers, Switzerland)
Norway R Norway f/d cd (#17 of glass) 49 ds rpt EE (Brown, Ill.)
Poland R. Polonia 7270 f/d cd 51 ds rpt EE (Humenyk, Ont.)
Romania R. Romania Intl 9570 f/d cd (rose pix) 98 ds rpt EE (Levison, Pa.); 9570 f/d cd 189 ds rpt EE/Romanian (Humenyk, Ont.)
Spain REE 9630 f/d cd (pix Seville) 31 ds rpt EE (Brown, Ill.); R Beijing 9690 f/d cd (pix of cloth piece) 34 ds rp rpt EE v/s Ms. Fuquang (Brown, Ill.); REE 9630 f/d cd (pix of murals, freq sked) 30 ds rpt EE (Bishop, N.Y.)
Switzerland SRI 9885 f/d cd (museum pix) 20 ds rpt EE Brown, Ill.)
Turkey V. of Turkey 9445 f/d cd 29 ds rpt EE (Humenyk, Ont.)
Yugoslavia R Yugoslavia 9620 f/d cd 730 ds (w/2 followups) rpt EE (Willers, Switzerland), 9660 f/d cd (waterfront pix) 19 ds rpt EE (Willers, Switzerland); 6110 f/d cd 85 ds rpt EE (D'Angelo, Pa.)

USSR

RSP and P f/d cd 145 ds (Gaharan, La.)
Ukraine R Kiev 9750 f/d cd 77 ds rpt EE (Levison, Pa.); 17600 f/d cd (cut paper design) 97 ds rpt EE (Levison, Pa.); 11770 f/d cd 56 ds rpt EE (Levison, Pa.)

WESTERN HEMISPHERE

Antigua DW 9670 f/d cd (unification cd, sticker, pennant) 47 ds rpt EE (Millard, Tx.)
Argentina R Continental 9115 f/d cd (w/p/d ltr, tourist book) 52 ds rpt SS v/s Julio Valles (Lewis, Ill.)
Bolivia R Santa Cruz 6135 f/d ltr 33 ds rpt SS v/s Victor Blajot S.I. Director General (Lewis, Ill.); 6135 f/d ltr 54 ds ms rpt SS v/s Victor Blajot (George, Ma.)
Canada R. Japan 5960 n/d cd (pix of flowers, freq and pgm sked, nx) 70 ds rpt EE (Bishop, N.Y.)
Chile CBV 12663 f/d cd (map cd) 29 ds ms rpt SS v/s German Valdivia Ibarra (George, Ma.)
Dominican Republic R HI5V 4930 p/d ltr 42 ds 1 IRC prt SS (Lewis, Ill.); R Barahona 4930 f/d cd ltr 46 ds ppc rp ms rpt SS v/s Ing. Roberto Loma S. Administrator Gen. (D'Angelo, Pa.)
Ecuador HCJB 9745 f/d cd (pix of studio) 26 ds 1 ms rpt EE (Brown, Ill.); f/d (30th anniversary of DX Partyline) 26 ds 1 IRC rpt EE (Brown, Ill.); 21400 f/d cd 35 ds \$1 rp rpt EE (Willers, Switzerland)
Netherlands Antilles TWR 9535 f/d cd (Bestuurcollege cd) 30 ds rpt EE v/s Chuck Roswell (Millard, Tx.); 11815 f/d cd 29 ds 1 IRC rpt EE v/s Chuck Roswell (Carson, Ok.)
U.S. R. New York Intl. (via WRNO) 7335 f/d cd 65 ds SASE \$1 rpt EE v/s Tina Shields (Lewis, Ill.); R. Marti 6030 f/d cd (ltr, sked, info) 62 ds ms rpt EE v/s Mike Pallone (Lueck, Wis.); R New York Intl. (via WWCR) 7520 f/d cd 72 ds rpt EE 2 ms \$1 v/s Tina Shields (Carson, Ok.); R Marti 9525 f/d cd (ltr, sked) 93 ds 2 ms rpt EE (Carson, Ok.); VOA 17800 f/d cd 43 ds rpt EE (Humenyk, Ont.)

UTE

Antartica NNN0NFA/NNN0NWB 13874 f/d cd (sked) 200 ds ms rpt EE v/s M.B. Melcor (Karcheski, Ma.)
Argentina LOL p/d cd 111 ds rpt SS rp ms v/s Edgardo Gustavo Giordano, Capt. de Fragata Ingeriero- Jefe (D'Angelo, Pa.)
Belgium Oostende Marine R 22351 f/d cd 110 ds ms (Lueck, Wis.)
Greenland Thule GCCR 13207 USB 11217 USB f/d ltr 35 ds rpt EE v/s Robt. Kilburn (D'Angelo, Pa.)
U.S. WLO 13135 p/d cd (logo, info, sticker) 40 ds rpt EE (D'Angelo, Pa.); Mich. Civil Air patrol 4602.5 f/d cd (ltr, w/ham QSL cd) 153 ds ppc rpt EE v/s Jon H. Quisenberry, Capt. CAP Deputy Dir. of Com. (D'Angelo, Pa.)

PIRATES

R_Fax 12255 f/d cd (logo) 12 ds (!!!) 2 IRCs rpt EE v/s Trevor Brook (Karcheski, Ma.); 6205 f/d cd (stn info) 9 ds \$1 rp rpt EE (Willers, Switzerland)

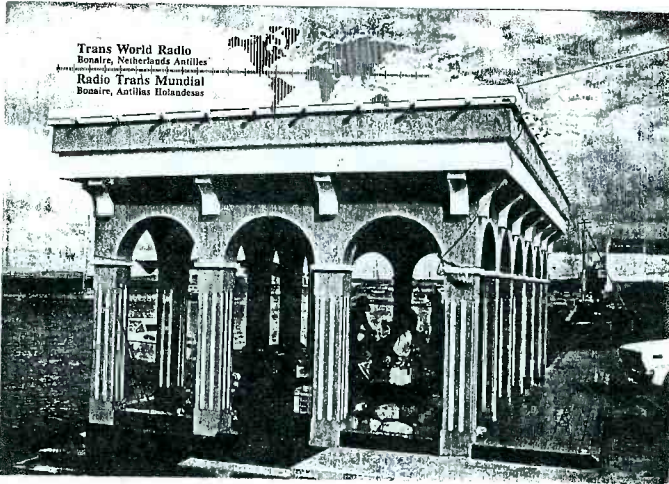
R_Marabu 11401 cd (cartoon, sked) 105 ds \$1 rp (Willers, Switzerland)

R_Comedy Club Intl. 15050 f/d cd #37 (via Hope R Intl.) 25 ds 3 rp (Lewis, Ill.)

V_of Pancho Villa 7415 cd (pink "Power of Stupidity") 17 ds rpt EE (D'Angelo, Pa.)

WJDI 1620 f/d cd (big cd #109) 155 ds rpt EE (Levison, Pa.)

Not many reporters this month. The recent geomagnetic disturbances must be hurting QSL activity as much as its hurting propagation. To flesh out the column I'm including some goodies that contributors have sent in. See you all in Sept. Mike





Trash & Treasure



Donald J. Weber 2169 Walter Road Westlake, OH 44145

It costs too much, it's not shortwave but it's a great gimmick if you do a lot of traveling. From the Japanese who gave us Walkman and Watchman comes **WRITE MAN** available through WQCD-FM in New York City. It is a compact, hard-plastic case, about eyeglass size, filled with a ballpoint pen, three multi-colored refills, 0.5 mechanical pencil, extra lead, utility knife, eraser, glue, correction fluid and a ruler-compass. \$20., plus \$4.50 shipping, through Industrial Contacts Associates, 127 East 31st Street, New York, New York 10016, attn: CD 101.9 Department, (Major credit cards cheerfully and probably eagerly accepted.)

For the Danish Shortwave Clubs International it is summer plus two months. Their TROPICAL BANDS SURVEY and their CLANDESTINE LIST were completely revised this past June. The 19th edition of the Tropical Bands Survey is edited by Julian Anderson (of Argentina)--the price is nine (9) IRCs air mail or seven (7) IRCs sea mail. The 7th edition of the Clandestine List edited by Finn Krone (of Denmark) bears a cost of seven (7) IRCs airmail, or six (6) IRCs sea mail. Both efforts are highly regarded in their fields. DSWCI's address is Tavleager 31, DK-2670 Greve, Denmark.

TIARE PUBLICATIONS, Post Office Box 493, Lake Geneva, Wisconsin 53147 has developed quite a niche in our shortwave hobby in merely a few short years. If you are on the Tiare mailing list, you know of the many informative radio products available; if you aren't receiving the Tiare product catalog, GET IT and GET IT FAST!! Also, if you have expertise in any specialized portion of our radio hobby or in any related-to-radio interest, drop Tiare a line--they are always looking to publish new efforts on both direct and indirect radio subjects. Tiare currently does have a list of many different radio subjects where they are seeking authors. See if your knowledge may fit in with their search.

Live near a big city? Did you know that Consulates might have radio information to help you in our hobby? Check out those yellow pages, again. You might be asked to stop in, on a monthly or quarterly basis, to pick up the information but many Consulates receive station schedules and other data, including "London Calling" at the British Consulate. The only reason they receive this information is because you are out there waiting for it--Ask, it is free.

Is your knowledge of the German language passable--can you get beyond "geben sie mir ein glas bier, bitte"? If so, there are quite a few sources of excellent shortwave radio information available from Germany. I won't throw them all at you at one time but let's start with **SIEBEL VERLAG GmbH**, Bonhoeffer Weg 16, W-5309 Meckenheim, Bundesrepublik Deutschland. They have had a twenty-four (24) paged catalog of radio hobby books (most in German, of course) but one of their offers could be a valuable addition to your hobby library, "DX-VOKABULAR" by Peter Schreiber. This is seventy-one (71) pages of reception report letters, follow-up letters, thank you letters and important words and phrases to help achieve that QSL. Languages are German, English, French, Spanish, Portuguese, Swedish, Japanese, Indonesian and Russian. The final few pages even give you some key phrases in Greek, Persian, Urdu and other languages which have characters not usually found on your typewriter key board. Send them a few IRCs and ask for a copy of their catalog.

From Colombia, Venezuela and the southern Caribbean, although mostly BCB radio, there are some shortwave listings and if you live in the southern US, this might be handy. Jairo Salazar R, Casilla 3551-El Trigal, Valencia 2002, Edo Carabobo, Venezuela publishes "THE RADIO NEWS"--it is only \$2.US for a sample copy; partly in English, mostly in Spanish.

My mail box is grumbling--I'm almost afraid to put my hand inside for fear she might start biting. She gets an occasional QSL, a schedule here and there, an awful lot of bills but she wants to know what happened to your mail. No complaints, no questions, no bumperstickers and very few comments from you this past month. Come on, tell me, I must be doing something wrong.

SPEEDX UTILITY WORLD



Chuck Yarbrough, Editor
P. O. Box 1053
Wingate, NC 28174-1053

*News and reports from the world of non-broadcast shortwave radio
.....Deadline for articles and loggings the 15th of each month.....*

Seems like these hot summer days will never go away, but despite the summer QRN it seems that many of you are steadfastly staying beside your radios! We have a special article this month by SPEEDXer Bob Babin of Shrewsbury, Mass. Let Bob's brave example inspire the rest of you to submit articles on your area of specialization. Don't worry about your spelling and grammar—I'll edit it for you! Now on to the guest writer!

Review of the JRC NRD-535 by Robert Babin

In mid-April I received the new JRC NRD-535D. I ordered the "D", or deluxe, version which contains the Bandwidth Control, Exalted Carrier Selectable Sideband circuit board, and the 1 kHz filter in the Narrow position. I also ordered an optional 3.8 kHz Collins mechanical filter which was installed in the AUX position. This review compares this new version of the NRD-535 with my old NRD-525 with the same filter arrangement.

It is obvious that a DXer or Ute monitor was consulted in the design of this machine. (Paul Lannuier probably had a large input!) Lets get the only fault I have with the radio right out of the way. The tuning knob is so loose that a hot breeze in the room changes the frequency. This problem is alleviated by removing the knob and placing a rubber washer behind it. The drag or tension then can be adjusted by moving the knob in or out.

Now for the good stuff. The receiver is triple conversion so you will note a marked decrease in noise compared with the '525. The sensitivity is so high that most of the time I operate at "half throttle", with the RF Gain at 50%.

The receiver incorporates 200 memory channels. Also, JRC has changed the programming procedure to allow placement of information within the VFO into the channel of your choice. Owners of the '525 will love this new approach. Moving and setting memory channels on the '535 is a breeze. JRC has also changed the WIDE filter to 6 kHz, replacing the 4 kHz value on the '525. The wider filter is meant for program listening and is much better in this

critical area. The DX hound will have to install something sharper in the AUX position since 6 kHz is too wide for serious DXing. Also for the program listener is the Exalted Carrier Selectable Sideband (ECSS) control which dramatically lowers interference from adjacent stations.

For the DX hounds there are additional features on the '535. Besides being quieter than the '525 there are several controls and circuits for the more fastidious of us. The receiver has three tuning rates (1 Hz, 10 Hz, and 100 Hz). The tuning knob sense can also be changed via the user programmable menu from 1 kHz to 250 Hz per revolution thereby allowing you six different tuning rates. Don't get nervous, the new system is great!

Through the user menu you can also select the BFO tone frequency anywhere in a range from 0 to 2000 Hz. This allows you to preset the VFO for your particular RTTY decoder. Tune the signal and the decoder takes right off. No tuning or fussing with the BFO.

Next comes the Bandwidth Control circuit which functions in either CW, RTTY, or SSB mode with the 2 kHz INTER filter. This feature allows you to change the IF bandwidth from 2 kHz down to 500 Hz, thereby allowing you to remove the maximum amount of interference.

The Passband Shift (PBS), Notch, and Squelch features are the same as on the '525.

The new front panel layout allows you to select the mode directly, you don't have to step through all the modes as in the '525. The display is considerably larger than in the older model. In fact, the frequency display is so large that it can be read from 10 feet away! Also there are lighted indicators for the PBS, BWC, Notch, Squelch, and Noise Blanker to let you know that they are on. This eliminates the common problem with the '525 when DXing when you suddenly realize that the PBS was not at center.

There is a function button which allows programming of the less common functions such as TIMER and DIMMER by using the mode switches.

For you computer types the '535 comes

standard with an RS-232 computer interface and the owners manual has four JAMMED pages of command functions thereby allowing the creative amongst us to write software for the machine.

The owners manual is a good book, BUT! It is a literal translation from Japanese to English. First time operators will have to read certain sentences a couple of times to make sense of them. (Paul this would be a good project to revamp the manual!)

Though I am an electronics technician (medical electronics), I have made no attempt to measure the specifications of the receiver. We'll leave this to the experts. The above observations are based on my 25 years of DXing.

For the DXer, Ute monitor, and occasional program listener I doubt that you can buy a more high-tech package. For the program listener, however, frankly this is too much receiver. Besides the Kenwood R-5000 still sounds better. If your idea of local programming is Zimbabwe, you are going to love this radio. And now if I don't stop playing with it I will be headed for divorce court!

Editor's Response to the Review

While Bob has provided us with a wonderful review of the new JRC NRD-535, I would like to add my own observations and Paul Lannuier's responses to them.

First, Bob is absolutely correct when he states that the owners manual is poorly written. Paul has informed me that he has completely rewritten the manual and is willing to send a copy of the new manual to owners. I have read the new manual and it does explain the various functions much more clearly than the old one did. It actually makes sense!

Second, I have found that the biggest difference between the actual performance of the '535 and the '525 is the much lower noise level. While this does not actually show up in the specs of the machine, it does result in much better "hearability", especially on weak broadcast or utility signals. My M-7000 decoder can tune more stations because of this lower noise level than with the '525 hooked up to the same antenna. I don't have the noise specs on the machines, but it seems that there is about a 50% decrease in the amount of noise in the newer model.

Third, the Bandwidth Control circuit will probably eliminate the need for a whole bank of mechanical filters. This option will allow you to "tune" your INTER filter from 2 kHz down to 500 Hz continuously. I have found this to be useful in "cleaning up" a utility signal. For example, if you have tuned the signal and twiddled all the knobs your machines have, there still is a possibility that adjacent signals or simply

QRN will still cause your output to be garbled. By tuning the INTER filter to the EXACT IF bandwidth, you can cut out all unwanted signals. The notion of a "tunable filter" is one of the truly innovative changes in design in this model.

The BWC circuit, as Bob said, works only in the SSB, CW, and RTTY modes. What would be a great benefit to all SWLs would be to make the BWC work in ALL modes. Paul says that there is currently some discussion along these lines at JRC. Paul also says that JRC is replacing the 6 kHz WIDE filter (actually its closer to 8 kHz!) value with the same one that currently resides in the '525 (4 kHz).

Finally, it would be very nice if JRC would market a "bare bones" '535 for people with less than \$1600.00 to spend on a radio. I would like to see the price for the '535 come down to the same range as the '525. Let each user choose whether he or she wants to customize the machine. As almost exclusively a utility monitor, I would just get the BWC and perhaps a 500 Hz filter. A program listener would want to customize the unit differently--perhaps with the ECSS unit. Give us a choice JRC!

Overall, is the radio substantially better than the '525? Well, it depends on what you are looking for. As Bob concludes, if the only thing you want to do is listen to the Beeb, then this is too much radio for you. Don't waste your money--buy a SONY ICF-2010. If you like to get up at 4:30am (local time) and DX Indonesian stations, then the lower noise level will make this radio worth your while. Utility listeners will also find that this radio will outperform the '525 in either SSB or in RTTY/CW for the reasons stated above. Let your particular needs and requirements determine whether you buy this quality radio or not. I can heartily recommend it to those of you who know what you want.

New Station Schedules

Joerg Klingenfuss sends along a list of new schedules from a variety of stations around the world. Here are a few of them.

KFS World Communications
Hwy. 1 & Meyn Road
P.O. Box 56
Half Moon Bay, CA 94019

CW Frequencies	
KFS 'A'	KFS 'B'
	4274 kHz
	6365.5
8558.4	8444.5
12844.5	12695.5
17026	17184.5
	22515

KFS will monitor ITU channels 7 and 8 for the North Pacific Region as follows,

Initial CH7 4185.0 6279.0 8368.5
 12552.5 16736.5 22282.5
 Alt. CH8 4185.5 6279.5 8369.5
 12553.0 16737.0 22283.0

SITOR Frequencies

Chnl.	KFS Xmit	Ship Xmit
401	4210.5	4172.5
403	4211.5	4173.5
601	6314.5	6263.0
603	6315.5	6264.0
801	8430.0	8390.0
803	8417.5	8377.5
1201	12579.5	12477.0
1203	12580.5	12478.0
1228	12593.0	12490.5
1247	12602.5	12500.0
1601	16807.0	16683.5
1603	16808.0	16684.5
1628	16820.0	16697.0
1647	16829.5	16706.5
2201	22376.5	22284.5
2203	22377.5	22284.5
2228	22390.0	22298.0

Port Moresby/P2M Radio
 P.O. Box 1378
 Boroko, PNG

Radiotelephony

2182 Distress
 4125 Distress/Calling
 6215 Distress/Calling
 CH417 TX 4405 RX 4113
 CH604 TX 6510 RX 6209
 CH409 TX 4381 RX 4089
 CH803 TX 8725 RX 8201
 CH805 TX 8731 RX 8207
 CH1225 TX 13149 RX 12302

Radiotelegraphy (CW)

500kHz Distress
 484kHz Working
 6MHz TX 6351 RX 6273
 12MHz TX 13042 RX 12546

And For Aero Buffs

One of the new offerings from Universal Radio Research is the updated frequency list for Robert Evans' *Aeronautical Communications Handbook*. The update, titled *Worldwide Aeronautical Communications: Frequency Directory for 2-26 MHz Shortwave Radio*, updates the 1989 Handbook with the author's aero loggings taken from 1 May 1990 through 1 May 1991.

You do not have to own the Handbook for this 42-page booklet to make sense. In addition to the frequency list, there are introductory sections on "What can I hear?", "Where do I listen?", "What equipment do I need?", and other such basic questions. The book is well written and appears to be quite comprehensive.

A six page glossary provides the reader with many of the terms he or she is liable to encounter while listening to these transmissions.

The book will appeal to a wide audience, since it provides a good basic introduction to this important aspect of the hobby, while at the same time providing the frequency list. All loggings in this list were personally monitored by Evans from his Ontario, Canada home base.

At \$6.95 this book will not give you all the answers to your aero questions. However, if you are a bit wary of plunking down \$19.95 for the Handbook, this frequency guide will be less of a risk. This is an excellent resource for both the novice and veteran aero monitor as well.

If you have ever thought about giving the planes and airports scene a try, this is the book to buy first. I can almost guarantee that if you buy this book you will also eventually want to get the Handbook as well. I wholeheartedly recommend this excellent resource to all SPEEDX readers.

New RTTY Modes Reported

Fred Osterman of Universal Radio fame writes in with the first confirmed reports of a FEC-S logging. DXers from both Japan and Australia report that Jakarta, Indonesia is using the mode on 19756.5 mHz at 96 baud. The logging has been confirmed on both Universal and Wavecom decoders. FEC-S has been an especially elusive mode. Perhaps this report is an indication that it may be used more in the future.

Fred also says that ARQ-S mode usage has spread to Indonesian diplomatic traffic. No specific logging was reported, but Fred suggests that the ARQ-S signal received on 15696.5 kHz MAY be an indication that Cuba has purchased this type of equipment as well. In any event, the transmission does originate from Havana. ARQ-S mode was originally designed for and sold to the Austrian Ministry of Foreign Affairs for communication between Austrian embassies around the world. If anyone else has further information on this puzzle, please pass it on.

A New Utility Guide

Dick Moon, Utilities column editor of the South African DX Club, writes informing us that he has recently published a *Utility Handbook*. The book contains a utility frequency list of all SADX members over the past two years as well as lists of Press Agencies, Numbers Stations, and SSB transmissions. If you are interested in finding out more about this book, drop Dick a note at 57 Plover Road, George 6530, Rep. of South Africa. You might throw in a couple of IRCs to cover return postage.

And More Publications

Joerg Kligenfuss writes in informing us that his *Kligenfuss Utility Guide 1992* will have all of the new Maritime Mobile Service frequency changes which went into effect back on 1 July 1991. Herr Kligenfuss

claims that the 1992 edition will be "the only publication worldwide with all the new frequencies". Maybe the book will calm the craziness which has occurred on the MMS bands since the changeover.

Klingenfuss Publications have also recently (July 1991) come out with the Eleventh edition of their "Guide to Facsimile Stations", and "Radioteletype Code Manual" (also eleventh edition). Both are excellent resources. I will review them in future Utility World columns.

Also of interest to maritime buffs are several publications offered by Maryland Nautical Sales (P.O. Box 6309, 1143 Hull St., Baltimore, MD 21230, USA). Included in MNS' offerings are the full line of Admiralty List of Radio Signals, the "Mariner's Guide to Radiofacsimile Weather Charts", the "Maritime Radio Users Handbook", and "Chapman's Communications Afloat". Write for a full line of their offerings.

Also on the horizon, remember that the 1991 edition of Fine Tuning's "Proceedings" is due to come out 7 September 1991. Included in this year's offerings is a primer to digital utility listening and review of the M-1000 IBM compatible RTTY decoder card, written by your humble author. Keep your eyes peeled for this fourth volume in the Proceedings series.

And Next Month

In next month's column I will review the new MICRODEC series of portable CW/RTTY decoders. Also Klingenfuss' new "Radioteletype Code Manual" will be reviewed. If you have any information from the world of utilities feel free to pass it on to me and I'll include it in the next month's column. Remember, this is YOUR column. Yeah, I write it, but the quality of the column is directly related to your contributions. Thanks for your support. Now on to the loggings.

August SPEEDX Utility Loggings

Frequency	Mode	UTC	Call	Station/Remarks/Contributor
4131.0	USB	0139	WOM	Pennsuco, Fla. (ship chnl 423)/ Lukas-NY
4385.3	USB	0334	W00	Ocean Gate wkng "Northern Traveller"/Moon-RSA
4423.0	USB	0124	WOM	Pennsuco, Fla. (coast chnl 423) /Lukas-NY
6477.5	CW	0524	KPH	San Francisco Radio w/ NOAA Rep ts/Moon-RSA
6449.5	CW	2002		Time Signal, Canberra, Australia/Moon-RSA
8566.4	USB	0528	NMA	COMMSTA Miami w/NOAA Wx Rpts/Moon-RSA
8577.0	USB	0547		Papa 201 clg. New York w/pos. 2 7N 66.11W @ 0546 FL 330. Est 23N 64.33W @ 0614. 22N 6 3.52W next./Moon-RSA
6605.0	USB	0245	KEA5	NY VOLMET w/ Wx for US Cities/Jones-TN
6775.0	RQM2	0447	XTU	ASECNA Ouagadougou, Burkino Faso w/Chnl B Tfc 96/393/Yarrough-NC
6840.0	AM	0232	???	?? SS Numbers station/Bellovich-FLA
7445.0	AM	0109	???	?? Numbers station w/5tr grps /Bellovich-FLA
7624.0	RTTY	0508	TZH	ASECNA Bamako, Mali w/Test 50/3 91/Yarrough-NC
7774.7	SIT-B	0520	OST	Oostende, Belg. w/OST Mail box in EE/Yarrough-NC
7806.0	RTTY	0005	YZD7	TANJUG Belgrade, Yugo. w/EE Nxl Karcheski-MA
8118.0	RTTY	0444	9JZ6	AFTN, Lusaka, Zambia Wx rpt 50/ 425/Moon-RSA
8437.0	CW	0307	OFJ8	Helsinki, Finland w/V marker/Jones-TN
8441.0	CW	0000	C6N	Nassau, Bahamas w/COs/ George-MA
8441.0	CW	0058	9YL	North Port Radio, Trinidad clg ZELN/George-MA
8722.0	USB	1157	VIS	Sydney, Australia w/EE Tfc./Lish-FLA
8728.2	USB	0448	KMI	Pt. Reyes, CA w/phone patches/S tringer-NZ
8737.5	USB	0057	SBA42	Cyprus Radio w/EE & GG not ices of freq changes/Karcheski-MA
8743.7	USB	0827	KMI	Pt. Reyes, CA wkng "Ocean Blue" /Stringer-NZ
8749.9	USB	0401	W00	Manahawkin, NJ w/Tfc list & Phone patch for "QE II"/Stringer-NZ
8768.5	CW	0444	DAJ	Norrdeich Radio, Germany w/Tfc List/Moon-RSA
8788.0	USB	0136	WLD	Mobile, Ala. (coast chnl 824)/Lukas-NY
8805.7	USB	0032	XFU	Vera Cruz, MEX w/SS Tfc/ Lish-FLA
8825.0	USB	0034		"Blue 10" clg. St. Maria w/pos 31N 43W/Moon-RSA
8828.0	USB	0458	KVM70	VOLMET Honolulu, HI w/Wx repts/ Moon-RSA
8912.0	USB	0344	JAFIS51	U.S. Customs "Sambush to Homestead" (AFB, Fla.)/Dome-TX
8952.0	USB	0546		VOLMET, Cordoba, Spain in SSI/ Moon-RSA
8964.0	USB	0548		USAF GCCS Lajes, Canary Is. w/t fc/Moon-RSA
8993.0	USB	0050	RED99	USN wkng Ascencion w/Radio Check/Dome-TX
9050.0	FAX	0231	NSY	USN Catania, Italy w/Wx maps of MEast 120/576/Yarrough-NC
9424.5	RTTY	0446		AFTN, Anatanarive, Malagasy Rep. w/flt info in plain text/ Moon-RSA
9994.0	RTTY	0446	CSY63	AFTN Santa Maria, Azores 50/425/Moon-RSA
10233.5	USB	0404	VOA	Bethany, Ohio Feeder w/AA Svc/Thompson-CA

10380.0	USB	1343	VOA	Greenville, NC Relay of AA svc/Yarrough-NC
10536.0	FAX	0500	CFH	Halifax, Can. 120/576 Wx Charts/Berri-CA
10917.5	ARQE3	0600	TJF	Dakar, SEN to Port Bouet, Ivory Coast 48/420/Yarrough-NC
11030.0	FAX	0545	AXM34	Canberra, Australia Wx maps 120/576/ Yarrough-NC
11108.0	AM	0609	???	???
11176.0	USB	2025		Ascension wkng MAC6516 to Rome/ Moon-RSA
11200.0	USB	0247	MVU	RAF VOLMET West Drayton UK w/UK Wx/Jones-TN
11430.0	RTTY	2135	HMF55	KCNA (North) Korea w/FF Nx 50/170/Karcheski-MA
11603.5	RTTY	0515	Y2J3	TANJUG Belgrade w/EE Nx 50/412/Yarrough-NC
11637.5	RTTY	0512	DDK2/DDH7	Quickbourne, Germany w/RyS 50/404/Yarrough-NC
12315.0	FAX	0448	AOK	USN Rota, Spain Wx maps 120/576/Yarrough-NC
12520.0	RTTY	0032	USEP	BRMT-042 Soviet Trawler 75/425/Fine- MD
12551.0	CW	2342	LPD	Gen. Pacheco Radio, ARG. w/Marker/Fi ne-MD
12582.0	SIT-A	2320	VIP	Perth, Australia w/marker/Babin -MA
12589.5	SIT-A	0600	FFT62K	St. Lys, France w/marker/Babin- MA
12590.0	SIT-A	0100	EAD	Madrid, Spain w/EE Ship Tfc/Bab in-MA
12591.5	SIT-A	0110	WLO	Mobile, Ala. w/Ship Tfc/Babin-M A
12592.0	SIT-A	0115	OXZ	Lyngby, Den. w/Ship Tfc/Babin-M A
12593.0	SIT-A	0120	GKP5	Portishead, UK w/Ship Tfc/Babin -MA
12594.0	SIT-A	0135	PPR	Rio de Janeiro, Brazil w/Tfc/Ba bin-MA
12596.0	SIT-A	0135	WLO	Mobile, Ala. w/marker/Babin-MA
12579.5	SIT-A	0140	UFN	Novorossiysk, USSR w/marker/Bab in-MA
12607.5	SIT-A	0235	WLO	Mobile, Ala. Marker/Babin-MA
12732.0	CW	0142	URL	Sevastopol, USSR w/marker/Fine-MD
12750.0	CW	0015	CWA	Cerrito, Uruguay w/SS Wx/ Karcheski- MA
12777.7	FAX	0441	NDT	Yokosuka Japan w/Wx maps 120/576/Yar brough-NC
12780.0	CW	0008	D3E51	Luanda, Angola w/CQs & QSX req/ Karcheski-MA
12815.0	RTTY	1910	URB2	Klaipeda, USSR w/RR&SS Tfc 50/159/Y arrough-NC
12820.0	CW	2350	WNU34	Slidell, LA. w/CQ marker/Thompson-CA
12829.5	CW	2343	XFM	Manzanilla, MEX w/CQ Marker/Thompson -CA
12901.6	RTTY	2232	PWZ33	Rio de Janeiro Naval, Brazil w/ Foxes & ID 75/851/Yarrough-NC
12975.0	CW	0157	IQX	Trieste, Italy w/marker/Lueck-WI
12978.0	CW	0148	IGB	Genoa, Italy w/"V" marker/Lueck-WI
12992.0	SIT-B	0410	WLO	Mobile, Ala. w/SITOR chanls/ Be rri-CA
13075.0	SIT-A	0215	HPP	Panama, w/SS AP Stock market re pt/Babin-MA
13083.0	USB	0319	KMI	San Francisco, CA. (coast chnl 1203) /Lukas-NY
13128.0	USB	2105	EHY	Madrid, Spain w/SS tfc/ Lish-FLA
13134.9	USB	2340	WLO	Mobile, Ala. w/phone patch to "Song of America"/Babin-MA
13159.0	USB	2029	SVN5	Athens, Greece w/Grk Tfc & ID/Lish-F LA
13178.3	USB	1120	LFL43	Rogaland, Norway w/EE Tfc/Lish- FLA
13196.0	USB	0025	SVN5	Athens, Greece w/tfc (poor Signal)/L ish-FLA
13196.9	USB	0035	HPP20	Panama Radio w/SS Tfc/ Lish-FLA
13269.7	USB	1830	???	NY Aeradio w/Wx of US Cities/Bellovi ch-FLA
13310.0	ARQ-E	0115	RFFA	MOD Paris w/ID 72 Baud/Babin-MA
13510.5	RTTY	1935	CFH	Halifax, Can. w/Wx 75/851/Yarrough- NC
13737.0	RTTY	2202	5YD	Nairobi, Kenya w/RyS & ID 50/238/Yar brough-NC
13826.0	USB	0300	NNNOICE	McMerdo, Antarctica w/phone patches/ Babin-MA
14441.5	USB	0242	NNNOCZS	MARS Freq, USS Platte clg USS Caron/ Karcheski-MA
14626.8	ARQE3	0323	RFLI	Ft. de France, Martinique w/Control de Voie 100/370/Yarrough-NC
14924.0	ARQE3	0600	TJD	Dakar, SEN to Libreville, Gabon "RFTJD to RTTJCS" 48/432/Yarrough-NC
14926.0	RTTY	2050	CLN452	Havana, Cuba w/SS PL Nx 50/425/Dome- TX
15270.0	USB	0214	???	DW Feeder in GG Press Review/Jones-T N
15752.0	USB	0315	VOA	Greenville, NC EE Svc Feeder/Yarrou gh-NC
16000.0	AM	0449	VNG	Australian Time signal SID 353/D'Ang elo-PA
16174.5	SIT-A	0100	???	Egyptian Embassy, Washington DC to Cairo w/edited USIA EE Nx on Iraqi Situation and Baker trip, then 5tr grps and AA encrypt. off @D300/Yarrough-NC
16814.0	SIT-A	2245	WLO	Mobile, Ala. w/xmit of sports nx to tanker/Babin-MA
16820.5	SIT-A	2250	WLO	Mobile, Ala. w/marker/Babin-MA
16833.0	SIT-A	2258	WLO	Mobile, Ala. w/AP EE Nx/Babin-MA
16836.5	SIT-A	2300	WLO	Mobile, Ala. w/marker/ Babin-MA
17043.2	CW	2336	JCU	Choshi Radio, Japan w/CQ Marker/Thompson-CA

Just a Note: I will accept loggings from all former SPEEDX utility logging sheets. Just make sure that you include FREQ; MODE; UTC; STATION; & SPECIFIC DETAILS OF THE INTECEPT.

17191.0	CW	2331	LSA	Boca Radio, ARG. w/ marker/Thompson- CA
17197.5	SIT-A	1755	9VG82	Msg re. salvage of "Robin" /Moon-RSA
17201.5	SIT-A	0105	CBV	Valparaiso, Chile w/ EE&SS Ship Tfc/Babin-MA
17230.0	CW	2251	KLG	Galveston, TX w/marker/Fine-MD
17287.0	USB	2200	WOM	Pennsuco Radio, Fla, w/EE Tfc./Lukas -NY
18505.0	USB	2030	VOA	VOA EE Svc Feeder w/world Nx/Lish-FL A
19216.2	ARQE3	2230	RFLI	-Ft. de France, Martinique w/"Control de Voie" 96/400/Yarborough-NC
19751.6	FAX	2221	6VU79	Dakar, Senegal w/Wx maps 120/57 6/Yarborough-NC
20215.0	USB	1420	???	Holzkirchen, Germany RFE/RL Slavic Svc Feeder/Yarborough-NC
22548.0	CW	0100	A9M	Manama Radio, Bahrain w/marker/Lueck -WI
22608.4	USB	1535	PCG71	Scheveningen, Neth. w/Dutch Tfc /Lish-FLA
22611.5	USB	1715	GKT76	Portishead, UK w/EE tfc/Lish-FL A
22614.6	USB	0010	CUL	Lisbon, Port. w/PP Tfc/Lish-FLA

And More Skeds.....

Jason Berri reports the latest version of the Vietnam News Agency's radioteletype schedule. Here it is:

UTC	FREQ	CALL	LANG
0515-0645	15744	XVN36	FF(SEAsia)
0515-0645	18264	XVN48	FF (EEur)
0645-0830	15744	XVN36	EE(SEAsia)
0645-0830	18264	XVN48	EE (EEur)
1200-1330	9330	XVN26	FF(SEAsia)
1200-1330	10600	XVN37	FF (EEur)
1330-1530	9330	XVN26	EE(SEAsia)
1330-1530	10600	XVN37	EE (EEur)

Jason says that he recently traded his old M-6000 v.2. for the M-1000 decoder card. Congrats on the upgrade and I hope to see a little "crosspollination" of loggings from the USSR to the Utes column!

Mysteries Answered (Hopefully!!)...

Although I didn't get much feedback on the puzzles posed last month, I have run across some possible solutions to at least a few of the questions.

First, it is my belief that many of those 75 baud, wide shift (850Hz) Baudot signals are indeed a Naval RTTY network of some type. I monitored PWZ33 (Brazilian Navy) on 12901.6kHz which was transmitting 75/851 in the clear. Most 75 baud signals are (presumably) encrypted for security reasons. Granted, this is by no means conclusive evidence, but my experience in this area leads me to the tentative conclusion that these transmissions are indeed encrypted Naval Comms. I know you were just wondering where all those "cypher machines" were that the spys are all after! Hi!

Second, in answer to Paul Stringer's question about where he can get a list of shipping companies and limited coastal stations, I believe that Maryland Nautical Sales might be able to provide all of that info (for a price of course, Paul!). MNS' address is given earlier in this column. If they are not able to help, you might try the ITU (even more expensive!).

I hope these brief and tentative answers help.

Help Me--Please!!!...

Since the Great Janusz has seen fit to grant me an additional page this month in the allocation scheme, I want to use some of this space to ask for your help with some articles I have "cooking" for future months.

I am hoping to be able to write a piece on the role of RTTY monitoring in modern news gathering. If any of you have first hand knowledge of shortwave radio (actually, I'm even interested in SW Broadcasts as well) and how it is used in the national and local news sources, please pass that info on to me here.

In conjunction with the article on monitoring in newsgathering, I'm also trying to get as much information as I can on professional HF monitoring groups. I am particularly interested in any information on organizations which actively monitor HF RTTY modes.

I would also like to run a review of the WAVECOM W4010 decoder from Germany. If anyone has any experience with this machine, please write a little ditty on the machine for us. Hopefully Bob's excellent review will inspire you to spread your knowledge. Wavecom is the predominant decoder manufacturer in Europe, but they are barely known in NAM. While on my European trip last May, I was able to visit Joerg Klengenfuss and played around with his machine a while--but not enough to do a fair review.

If any of you have purchased the new Drake R-8 SW receiver, I'd appreciate your thoughts on the unit. Pay particular attention to the R-8's usefulness to the utility monitor. (after all, this is the Utility World column!). I am particularly interested in a practical users end view of how the "new design" filter design works for the utility listener.

A final article that begs to be written is on the topic of monitoring laws in various countries. While the U.S. has fairly liberal monitoring laws, most of the rest of the world does not. I would appreciate a description of your nation's monitoring laws and the laws of nations in which you have had some experience. Any actual experiences with the Monitoring Police would be interesting.

Until September, 73s!



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