

SPEEDX

The

80
PAGES

Magazine for Active SWL's

Volume XV

April 1985

Number 4



INSIDE...

your sample copy of

SPEEDXGRAM

THE MID-MONTH "HOT SHEET"

SPEEDXGRAM IS AN OPTIONAL FOUR PAGE SUPPLEMENT TO THE REGULAR SPEEDX BULLETIN. A FLASH SHEET OF LATE BREAKING DX NEWS DESIGNED TO MEET THE NEEDS OF ACTIVE SWLS/DXERS WHO WANT THE LATEST INFORMATION IN A HURRY. THE GRAM DRAWS ITS TIPS FROM YOU THE SUBSCRIBER, FROM DX PROGRAMMES AND PUBLICATIONS, AND FROM WORLD BROADCASTING INFORMATION OF THE BBC MONITORING SERVICE. ALTHOUGH THE GRAM SPECIALIZES IN SWBC INFORMATION WE WELCOME TIPS ON CLANDESTINE, HOBBY PIRATE, AND UTILITY BROADCASTS. DEADLINE FOR CONTRIBUTIONS IS AROUND THE 15TH OF THE MONTH.

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LIKE THE REGULAR MONTHLY SPEEDX BULLETIN, THE GRAM RELIES ON YOUR SUPPORT. SEND IN THAT LATE ITEM, A HOT CATCH THAT IS NEWSWORTHY, OR ANY OTHER DX ITEMS THAT YOU WANT TO SHARE. REMEMBER, THE GRAM GETS THE NEWS TO YOU FIRST. SEND MATERIAL, TO REACH THE GRAM EDITOR BY THE 15TH OF THE MONTH. WITHIN A WEEK YOU'LL SEE IT IN PRINT!

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ANYONE IS ELIGIBLE TO SUBSCRIBE, YOU DO NOT HAVE TO BE A MEMBER OF SPEEDX. SEND \$4.00 FOR NORTH AMERICA (INCLUDING CANADA AND MEXICO). ELSEWHERE \$6.00 FOR AIR MAIL DELIVERY. ALL PAYMENTS SHOULD BE BY CHEQUE OR MONEY ORDER IN U.S. FUNDS MADE PAYABLE TO GRAM EDITOR: BOB BODELL.

SEND ALL SUBSCRIPTIONS, DX NEWS, COMMENTS AND SUGGESTIONS TO:

BOB BODELL,
9118 S. E. MASON HILL DRIVE,
PORTLAND, OR 97222 USA

SPEEDX

The DX Radio Magazine for Active SWL's

UP FRONT

SEND 'UP FRONT' STUFF TO:

Tom Kephart
P.O. Box 2041
Mt. Pleasant, MI 48858-6041

Letters to UP FRONT are welcome. The editor reserves the right to shorten long letters due to space restraints, but whenever possible, the entire letter will be printed. Please label the letter and envelope with the words 'UP FRONT'.

Magazine info and Box 2041 follow, but first this very important announcement to all SPEEDX Full Members:

BOARD OF DIRECTORS ELECTION...CALL FOR NOMINATIONS

Being as it is an odd-numbered year, it is again time for nominations for SPEEDXers to run for the Board of Directors, as directed by Article IV, Section 2 of the SPEEDX Constitution and By-Laws. Any and all Full Members are invited and encouraged to both submit nominations, and to accept such nominations if one is submitted in their name.

Current BOD members whose terms expire this October are John Trautschold, Jack Sanderson (who filled Chris Hansen's term), and Tom Kephart (who filled Chris Lobdell's term). Peggy Thompson and Rick Drollinger have another two years remaining in their terms of office.

The Constitution requires that at least ten (10) Full Members be nominated, so submit the name of a SPEEDXer you feel would make a positive contribution to the Board of Directors today. The only restriction is that no nominee can be serving in an administrative capacity in any other similar radio hobby group.

Send all nominations, in writing, including the name of the nominee and your signature, to the following address:

SPEEDX BOD NOMINATIONS
c/o John Trautschold
354 North Winston Drive
Palatine, IL 60067-4132

All nominations must be received by no later than midnight on June 15, 1985. Statements from nominees will be run in the July and August issues of SPEEDX, and the election ballot will appear in the September issue.

A list of all current full members, as of the March issue, is on page 79. Any name that appears on that list may be considered for nomination.

PROGRAM PANORAMA

Woody Seymour, editor of Program Panorama, was ill during most of the week he usually edits and types, and was unable to submit a column this month. Woody, who has been a SPEEDX editor since 1978, has never missed a month, and felt rather bad about having that record broken.

(UP FRONT continues on page 76)

SPEEDX SPOTLIGHTS

THESE SPECIAL DX'ers and SWL's

David Sharp, Editor

17602 Meadowbridge, Lutz, Florida 33549

Deadline: 12th of month

Howdy folks. As promised last month, here's the new Full Member list for both March and April. Our congrats go out to 10 new FM'ers.....

PHIL ABBINANTE...IL
WILLIAM BEAVER...IN
RALPH BOWDEN...CA
JAMES BOWMAN...GA

RON DOWNING.....CO
JOHN FREEMAN.....AZ

JOHN FRIBERG.....NH
LARRY HASTLE.....TX
BILLY HUNT.....NC
KEN REISS.....??

Let's give a big SPEEDX welcome to 37 new and rejoining members.....

Amos Sperber, New Pt. Richey, FL
Rick Slobodian, Calgary, ALBERTA
Leo Heile, Southport, CT
Thomas Stone, Rolling Meadows, IL
William A. Miller, Elk Grove, CA
Jack Dudley, Electra, TX
Joe Hulsizer, Jacksonville, FL
Kenneth R. Brand, Winchester, VA
Bill Romberg, Milwaukee, WI
Kevin Lippmann, Gainesville, FL
Louis Van Leeuwen, Mesa, AZ
E.R. Flynn, Belvedere, CA
Gordon Hubbard, Tucson, AZ
James Uerlings, Klamath Falls, OR
Richard Berg-Andersson, Woodside, NY
Bruce Johnston, Schenectady, NY
Paul Bongiovanni, Fall River, MA
Marc Schlossman, Santa Monica, CA
Neil Califano, Elberton, NJ

John Boase, Trona, CA
Larry Fox, Easton, CT
Jay Levin, Tenafly, NJ
Heinz Haase, Hudson, FL
John Feltman, Emmaus, PA
Carl Yeager, Willow Grove, PA
Clarence White, Lenexa, KS
Harvey Rogoff, San Diego, CA
John Mallery, Shawnee, KS
Duke Alexander, Houston, TX
Hobart Beal, Walla Walla, WA
Ken Schachat, Portsmouth, NH
John Fisher, Chelmsford, MA
Brian Heller, Vancouver, WA
Denny Reeves, Austin, TX
Walter May, Lakewood, OH
Robert Schussel, Evanston, IL
Robert McGee, DePere, WI

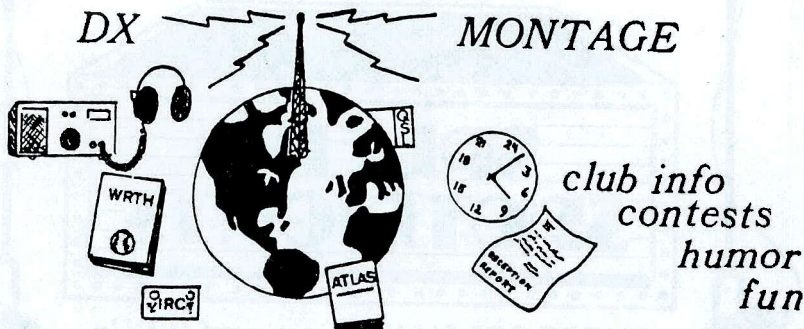
Once again, welcome to the club. You're a very special part of SPEEDX now, and we hope to see your contributions soon. You may send them directly to the individual editor (address is on masthead) by the 12th of the month, or you can send all contributions to Peggy Thompson, our Central Distribution Editor (address on back cover.) All material sent to Peggy should reach her by the fifth of the month.....

DX Montage begins on the next page.....

*****BOD ELECTIONS ARE COMING! EARN YOUR FULL MEMBERSHIP NOW SO***
YOU CAN PARTICIPATE...**

DX

MONTAGE



david sharp, 17602 meadowbridge, lutz, fl 33549
 deadline: 12th of the month

APRIL, 1985

"Hope springs eternal..." How appropriate that is, with the ending of winter and the ushering in of Spring and hopefully nicer weather for everyone. Before we get into this month's batch of HQS news and contributions, I suppose a reintroduction of myself, for the newer members, is in order. I am 18 years old (though by the time you read this I will have had my 19th birthday) and have been a club member since Feb. 1982. I began editing DXM in May 1983, and was appointed Publicity Chairman for the club towards the end of last year. I try to specialize in African DX, though I'll listen to just about anything that moves, hi. Seriously, I have even DXed FM, and have verified stations as far away as Colorado and Nebraska. Currently, I am employed as an announcer at WPLA 910, and hope to one day acquire a major in Broadcasting Journalism at USF in Tampa.....

 News from CDE Peggy Thompson: Please remember when you send in your reports to the CDE that even if the envelope does not exceed the 22c limit, that there is a 10c surcharge on over-sized or "too bulky" envelopes. Those of you folding your logs to fit small envelopes can avoid the surcharge (and I can avoid the postage due) by using a business size envelope & evening out the strips instead of bunching them all together at the bottom of the envelope. Your cooperation would be appreciated.

More booklet info from Jack Sanderson: The SPEEDX Guide to Latin American DXing, by Carl Huffaker & John Cereghin, is now available. This 36 page booklet covers Spanish for DXers, Latin American propagation, a complete list of Latin American stations, plus much more. Cost in North America is \$2.50 (\$2.25 to FMers) or 9 IRCs. Airmail to the rest of the world is only US\$3.50 or 12 IRCs. Also, the SPEEDX Guide to African Listening is still available for only \$2.00 in NA (\$1.75 to FMers) or 7 IRCs; \$3.00 or 10IRCs to the rest of the world, and The First Shack: Pitfalls and Problems, is only \$1.50 in NA (\$1.25 to FMers) or 5 IRCs; \$2.00 or 7 IRCs airmail to the rest of the world. Jack also says that Mike Chabak's third installment for the SRGU will be available soon. Approximately 81 pages, it includes a new section on Maritime & additions to USCG, Commercial Aeronautical, and Basics sections. Price to be announced. Watch DXM for further details!

Hawaii DXers, an informal association of all band DXers in Hawaii, meets on the third Saturday of each month at 1pm at various locations on O'ahu. The public is invited; visitors are welcome. For more details, please call Dale Park at (808) 523-1284, after 9pm HST.....

Want an updated list of USCG stations and cutters? If so, our friend John Henault-MA says you should write to the following address: Commandant (G-CMA), U.S. Coast Guard, Washington, DC 20593. John says it'll take about 2 weeks for you to receive the information....

NO ROOM FOR ANOTHER FEATURE HERE. SEE YA ON THE NEXT PAGE

Israel Said to Accept VOA Transmitter: Israel has informed the U.S. that it will permit the installation of a VOA xmtr in Israel to enhance American broadcasts to the Soviet Union. The decision in principle by the national unity Government of Prime Minister Shimon Peres was conveyed to Washington several weeks ago. Nonetheless, Israeli Government sources declined to comment on the decision for fear of drawing any more attention to the xmtr, which they fear might cause problems for Soviet Jews.

Israel agreed to installation of the transmitter after repeated requests from the Reagan Administration, which is undertaking a \$1.5 billion program to upgrade the equipment and expand the broadcasting reach of the Government radio service. The U.S. wanted the transmitter in Israel so as to cover more listeners in Soviet Central Asia and Afghanistan and help overcome jamming by the Soviet Union and its allies. In recent years the U.S. reportedly has devoted more attention to upgrading the quality of broadcasts to Soviet Central Asia, where there are frequent reports of anti-Government activity.

The matter was broached by Washington several months ago, and the Israelis originally stalled in responding because of the lively debate over the matter in Israel. Soviet emigres in Israel expressed the fear that by permitting the xmtr, Israel might invite retaliation against Soviet Jews; left-wing members of Parliament contended there was no reason for Israel to become involved in the superpower "propaganda war."

Most senior Israeli officials believed that ultimately there was no way they could turn the U.S. down. As Communications Minister Rubenstein put it, referring to the enormous amount of economic assistance the U.S. gives Israel, "Beggars cannot be choosers." Early reports indicate the VOA may also share the xmtr with Radio Liberty. (Thanks to John Friberg-NH for forwarding this from an article from the New York Times by Thomas L. Friedman ds.) In a related article, the VOA is seeking permission to broadcast in the U.S. The VOA, by law, can only broadcast to foreign audiences, however, with expansion and modernization, they are hoping to increase their domestic audience. (An excerpt from the Tampa Tribune, and sent in by Marion Blanchette-FL)



Station Goodies & Potpourri: A complete list of all Australian Broadcasting Corporation stations is available from: Talkback, R. Australia, P.O. Box 428G, G.P.O. Melbourne. A booklet containing recipes featured on Radio Sweden Int'l, entitled "A Small Treasury of Swedish Cooking" is available for 2 IRCs from: Swedish Dairy Assoc, Box 24, S-101 20, Stockholm, Sweden. "The BBC Guide to Financial News" is a helpful publication which explains the terms used in BBC newscasts. It covers British government securities, commodities trading and the int'l money market. It is available free for the asking from: Letterbox, BBC, Bush House, London. (Many thanks to Lori Klosowski of Sarasota-FL for sending this in.)

Shortwave Shootout: Albania's Radio Tirana is playing what it says is a Canadian folk song called "Proletariat, Rise Up," to the North Americans. Sung a cappella, it assures the like-minded that they will always be safe in the arms of the Communist Party. The Chinese, who like to discomfit those who live in Taiwan and elsewhere, leave not a stone unturned. They actually broadcast in Esperanto, an artificial language that linguists have promoted for years, but which, in fact, hardly anyone speaks.

Radio Moscow, despite some excellent American accents, comes on a little heavy-handed, although veteran listeners say the Russians have made efforts to lighten up this program. Still, no sea of levity, this. The announcer on "Moscow Mailbag," a sort of write-in program, answers criticisms of the Soviet Union with "my daddy can beat up your daddy." When asked, for example, about the long waits for airplanes in the Soviet Union, he replied that he had once waited six hours for a Cleveland-to-LaGuardia flight.

Listeners also learned that it is extremely rude to whistle indoors in Russia and that the reason the guards at airports come around and make people take their feet off the coffee tables is that Russians consider that practice insulting to the host country. Meanwhile, the Americans

(continued on the next page, ds)

are busily reading the works of Soviet dissidents in 15 languages spoken in the Soviet Union; the BBC is chiming the tones of Big Ben and reading the news, and Radio Prague is broadcasting the voice of a singer it says is Prague's answer to Barbara Streisand.

In El Salvador, two rebel radio stations stay one step ahead of the government, each managing to transmit rebel news four hours a day. An anti-Khomeini station is blasting away in Persian into Iran under the name of the Voice of the Liberation of Iran. Some BBC staffers say the station is generally assumed to be a CIA operation. The BBC says everybody knows it's run by the CIA. The CIA, an experienced hand in the world of international broadcasting, says they cannot confirm or deny that it operates any clandestine stations.

It's all part of the world of international radio. Some 25,000 hours of verbiage and music fill the shortwave broadcasting channels each week in 140 languages at a cost of billions. At least 128 countries register their broadcasts and at least 46 are clandestine stations that don't admit to the origins of their broadcasts. Every word of this international babble is monitored. By the CIA and BBC (they share the information), and by the Soviets for sure. Others monitor specific geographic areas, such as the perpetually troubled Middle East. It's an amazing war of words of which most Americans are not aware. There are relatively few SW radio listeners in the U.S. Most are hobbyists, students, emigres or professors. The BBC, however, claims an American audience of two million.

In countries where the press is controlled, tuning in on foreign SW broadcasts is a way of finding out what's going on in the outside world or within the country itself, as in Poland during the Solidarity struggle. "If you ask everyone in an American college who has listened to international broadcasting, maybe one or two hands would go up," says Bill Buell vice president of RFE-RL. "If you asked the same question in Budapest, or Prague or Warsaw, every hand in the classroom would be up."

News, music, features, editorials, religious programs, talk shows and panels, and reading of works suppressed in the homeland are all part of the clutter as nations seek to present the world according to them. There are oddities. Albania, the tiny communist state that usually seems mad at almost everybody, is among the busiest broadcasters. "Nobody takes the Albanian radio seriously," Buell says. The Albanians must. They are 9th among international broadcasters and are spending a lot of money to transmit their message. (Next month, we'll present part two of this interesting article, written by Kay Bartlett, and featured in the Milwaukee Journal. Ed's note: No contributor name was on the article or envelope; if you sent this in, send me a PC so you can get your credit. ds.)

Two Great Publications for Soviet Specialty DXers: "UHN" USSR High Freq Newsletter, published by Roger Legge contains the latest in skeds & site information. Subs in NA is \$3 for 8 issues (\$4 overseas.) For more info write to: Roger Legge, Box 232, McLean, VA 22101. Another good publication is published by Paul Graveline. Called the "Updated SW Stations in Russian," this newsletter gives you the latest info on Russian language broadcasts from the USSR, plus the VOA and BBC. For a free sample copy, send an SASE to: Paul Graveline, 9 Stirling St, Andover, MA 01810.....

Fairness Doctrine Challenged: The FCC is beginning a sweeping review of a requirement it placed on broadcasters more than 30 years ago - the obligation to be fair. The Fairness Doctrine, established in 1949, requires broadcasters to allow time for the discussion of controversial issues of public importance and to allow "for the expression of contrasting views."

In beginning the inquiry last April, the commission noted that "development in First Amendment jurisprudence and communications law in general suggested that continued adherence to the doctrine might be contrary to the public interest and constitutional principles. After hearing from almost 40 people, including retired broadcast journalist Eric Sevareid and Phyllis Schlafly, president of Eagle Forum, the FCC will propose a course of action, including the possibility of throwing out the Fairness Doctrine.

In a statement prepared for delivery at (today's) opening of the two day hearing, FCC Chairman Mark S. Fowler said "It is no secret that I as well as some of my fellow commissioners philosophically oppose content regulation of the electronic press." But a coalition of individuals and groups, who successfully defended the Fairness Doctrine (continued)

before the Supreme Court, says it should be left in place. At a news conference (Wednesday), Griswold quoted from the high court's decision in the case. "It is the right of the viewers and listeners, not the right of the broadcasters" which is paramount.

The very fact that there are so few fairness cases taken to court shows that it works, coalition members said. A requirement of the doctrine is that those with complaints try to work their problem out with the broadcaster before bringing the case to the FCC. (Thanks to Don McCants, who sent this in from the Feb. 7th Birmingham News. ds.)

Tired of the same kind of programming? Can't find anything of interest in the broadcasts from certain countries? Perhaps some of the blame lies with us SWL'ers. As part of our reception reports for a QSL card or letter, a sentence or two at the end stating what we do not like about the about the programming or would want to hear could be of help and certainly valued by the broadcaster. On the DX programs we get answers to technical and other questions, but for information about the country, people, customs, daily life of the citizens, indigenous music, etc. it is up to us to make our interests known. A broadcaster from a country with a culture very different from ours cannot be expected to know our likes & dislikes and what we want to know about that particular country. We can criticize politely and it would be useful to state why we do not like something or make suggestions for improvement. Admittedly, many countries are interested only in propaganda, but others are spending a great deal of money on the SW bands for us listeners. Let's help them to get more value for their money, and in turn we are helping ourselves. (True words spoken by member Ruth Hesck-NY. How's everything in the "Empire State," Ruth?)

DXM Time Capsule: Let's take a look at what was happening in radio 82 yrs ago....Under the title "A Terrible Use of Hertzian Waves," the following item appeared in the Dec. 12th, 1903 issue of "El Mundo Cientifico," published in Madrid: "Dr. Lebon has designed a reflector to send parallel electric radiations for great distances without diminishing their intensity. With these radiations, it will be possible to explode ammunition stored in forts, depots, warships, artillers emplacements, etc. One result of this invention, by its terrible consequences, will be to end wars and bring about universal disarmament." Thanks to Carl Huffaker-MEXICO for this. Now, looking back at April, 1982, these stories were making headlines: The U.S. considered electronic jamming against Cuba for that nation's interference with U.S. radio stations....Radio Sweden goes to the new "do-it-yourself" policy for QSLing....and Isreal implements zip code for all mail. Mail without the zip codes were subject to possible lengthy delays. If you like this feature, let me know. And, by all means, your contributions here are welcomed.....ds.

Latin American DX Cassette Now Available: New member Duke Alexander-TX is offering a cassette, which features excerpts of programming from 31 stations, including clandestines, such as: R. Venceremos, R. Mesqus, La Voz del CID, and others. This tape is just \$5.00 postpaid airmail anywhere in the world. Order your tape from Duke at: 14113 Stoneshire, Houston, Texas 77060. (Thanks for your letter, and welcome to SPEEDX! ds.)

QSL Policy Change at BRT: From the latest "Club Echo" comes this letter from W. Frison, assn't adviser: "In the past many of you made suggestions for new sets of cards, our problem was to find these cards at reasonable prices. We came to agreement for 1985 with the Royal Museum of Fine Arts, which enables us to send you high quality cards depicting famous works of art. This is, however, a costly operation for our restricted budget. Hence our decision to send ILC members 12 instead of the usual 24 cards in 1985. As a result, you will only receive one QSL per month, following the verification of your 2nd report for that particular period...." (Thanks to Bill Cambell-CT for informing us of this change.ds)

Local SPEEDX chapter to form: If you live in Central Florida, and would like to become more involved in your club, now's the time to act. Club-oriented activities and get-togethers will be scheduled on a monthly basis, with an emphasis on getting members' comments and suggestions for improvements for SPEEDX. If you live within 100 miles of Tampa, and are interested in forming a local chapter, drop a pc in the mail to your editor. If we can get this thing off the ground, I'll guarantee it'll be a lot of fun for everyone. ds.

Welcome again to DXM's Contest Page. During the past couple of months, membership participation here has been excellent. April is no exception, so without further chit-chat, let's get right to the contests.....

Pin the Tail On Ye Ed: Last month, I wanted to know where and what CARACOL was. CARACOL, located in Colombia, stands for: Cadena Radial Colombian. Winner of the "Foreign Language Rpt Guide" is Michele Cahill, of Carmichael, CA. Runner-up is Rich Eddie-MO. Now, this month's quiz: Which current European Int'l Broadcaster was known as "The Voice of the West" in the later part of the 1960's? All correct entries will be put in a box, and the entry drawn at random will receive a copy of the new SPEEDX Guide to Latin American DX'ing. Good luck.



Geography Quiz: The answer to last month's quiz was the Dominican Republic. Winner of the Sunset-Sunrise Booklet is Jeff Elson-MO. Now, this month's competition: Identify the country and receive the pamphlet of your choice (excluding SRGU) from HQS. History: The Tigris-Euphrates valley, formerly called Mesopotamia, was the site of one of the earliest civilizations in the world. Mesopotamia ceased to be a separate political or cultural entity after the conquests of the Persians, Greeks, and Arabs.

Britain secured a League of Nations mandate over this country after WW I. Independence under a king came in 1932. A leftist, pan-Arab revolution established a republic in 1958, which oriented foreign policy toward the USSR. A local faction of the international Baath Arab Socialist party has ruled by decree since 1968.

Years of battling with the Kurdish minority resulted in total defeat for the Kurds in 1975, when Iran withdrew support. Capital: Baghdad.....

Foreign Competition: The answer to February's quiz is VNG. Winner of the SPEEDXGram is Satoshi Miyauchi-JAPAN. Fred Bodenhagen-FRG, will be getting a consolation prize. Here's our next competition: Which two countries maintain SWBC stations in Antarctica? First correct entrant will receive a SPEEDX bumper sticker and SGAL. Deadline for this competition only is June 12th.....

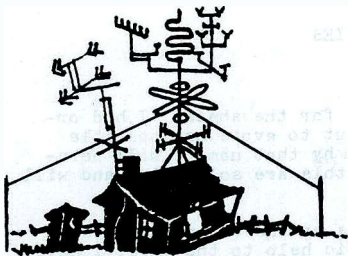
DX Jamboree: Winner of our Asian competition is Bob Thunberg-PA, who had a rather impressive list of stations heard. He'll be getting a special prize, and will be eligible for awards offered by the Awards Section. The next competition in this category centers on Latin America. All bands are open for this competition, but as always, no tentative loggings can be accepted. Dates for the competition are 0000 UTC on May 3 to 2359 UTC on May 5. Deadline for loggings submissions is 12th of May, and one of the prizes awarded will be a cloth SPEEDX pennant.....

Guess that's it for the Contest Page this month, but before I forget, congrats to Carl Huffaker, winner of our contributions contest. For his contribution, he'll be getting a copy of the SGAL.....

That just about ends this month's column. Next month marks the second anniversary of this column, so I hope you'll contribute and make the May column extra special. Also, look for part two of our series on shortwave programming, plus info on how you can publicize the hobby. Until next month, SPEEDX's most southern editor wishes you.....

CRACKER COUNTRY: QSL (Quit Sending us Letters): A term frequently used by over-worked verie signers.....

73's + Best,
David



ANTENNAS & ACCESSORIES

NEAL A. PERDUE WDX4NAP
Route 1, Box 154
Falkville, AL 35622
U.S.A.

ANTENNAS, THEN AND NOW

Many references will be made during my tenure as editor of this column to Ham-Radio transmitting antennas. The reason for this is that if an antenna will transmit properly on a given band or frequency, it will also receive properly on that band or frequency. All of this ties in directly with resonance and impedance-matching for optimum performance.

In modern transmitting and receiving equipment about 50 ohms has been chosen as the standard antenna impedance. There are some really fantastic antennas such as the famous RHOMBIC, and others, which have a characteristic impedance of several hundred ohms, but which must be MATCHED to the receiver through any one of several devices, for optimum performance. The point is that the receiver or transmitter must "see" this impedance. This is not difficult to accomplish.

Up until the 70s, it was a simple matter to match a good antenna to a good receiver. Then came the "New Breed" of advanced-design digital-readout receivers, and with them came words seldom previously encountered in high quality receivers, such as Front End Overload, Images and Attenuators. Hot Front End also became a common term, indicating a high degree of sensitivity but unfortunately was often synonymous with Front End Overload and/or Images. The market was suddenly flooded with very pretty state-of-the-art receivers of General Coverage, with digital readout down to 1 KHz or even .1 KHz on some models. This had been an undreamed-of luxury just a few years before, but these fancy receivers were full of NEW problems. Two of the worst were the Panasonic 2900 and the Radio Shack DX-302. It is not within the scope of this column to deal with ALL the problems of the New-Breed receivers, but rather to deal with the two primary problems- Overload and Images- and how proper antenna selection can help with or even solve these problems. I must stress at this point that one or the other of these problems can often be solved by proper antenna-selection but unfortunately BOTH problems in the same receiver is a no-win situation. The details on this will appear in a later column, as I wish to cover several subjects in general in this one.

I feel that the term Optimum Antennas needs to be discussed, and will do so now. When I refer to Optimum Antennas I'm talking about an antenna that can help dig out the rare weak DX, or give consistently excellent results on higher power stations. I am NOT speaking of an antenna which will give fairly decent reception some of the time when listening to powerhouse international broadcasters.

Another point which I want to clear the air on at this point is that so many antenna articles through the years have been subjective in nature and have not compared the antenna under discussion to ANY other antenna, much less a GOOD antenna. It has been so common to see an antenna article which states that "I have had good results with this antenna" when the antenna under discussion can not possibly yield good results over the entire HF spectrum. A windowsill antenna is "a good antenna". Compared to WHAT- the bedsprings? (!). So, objectivity will always be in the back of my mind as I write this column, and this objectivity will come from actual experiences and - most important- comparisons of various antennas against others. I get many letters saying "I'm using a 30-foot indoor wire at a height of 7 feet and I enjoy good reception on all bands". It just doesn't happen that way, friends. "There ain't no free lunch"! So, I'm going to work hard to discredit a lot of this type of misinformation that has been allowed to be printed in hobby pubs previously.

ANTENNAS & ACCESSORIES

This column will also deal with helpful hints for the shack. I had originally described this as "hints & kinks", but to avoid any possible problems with the ARO which publishes a book by that name I will hereafter describe it as above. Contributions to this are solicited, and will be credited to the contributors.

Since all of the first column and much of this second column has been introductory in nature and with little specific help to the DXer, I have asked Publisher Tom Kephart for some additional space in this issue, to tackle a few specific problems and answer a few of the questions that are already appearing in my mail, and he has graciously consented.

Let's tackle images first. These are stations showing up on your dial where they have no right to be. It used to be a simple matter of adding or subtracting 910 Khz (twice the normal 455 Khz I.F.) to determine the actual frequency of the station being heard, but with so many new I.F.s being used in new-breed modern receivers the problem can and does occur almost anywhere on the dial now.

In a receiver with just image problems, but no overload problems, a HIGH-Q antenna is the best solution. HIGH-Q means sharp resonance at a given frequency. Highest Q can best be attained by an L/C tuner with a wire of sufficient length to be resonant at the lowest frequency worked, either via the 1/2 wave or 1/4 wave ground-plane designs as previously described by me in this publication in the Summer 1984 editions. The "L/C" controls are for inductance and capacitance, respectively, and schematics for various designs of tuners appear regularly in many hobby magazines. Because the designs for tuners vary so widely, and because several assembled models are readily available from most SW suppliers, I will not take up valuable space in this column to draw schematics of them. The names of these suppliers appear regularly in various sections of this bulletin, and I have no intention of recommending one supplier or another as I have many long-time friends in many of them. Many of the monthly Amateur Radio magazines feature ads from reliable companies which cater to both the ARO and SWL. Write to them. I have alluded to a few companies and their products previously when I was a "contributing editor", but now that I am on the Speedx staff I feel that it would be inappropriate, as it could conceivably bring discredit, disfavor or even legal problems to our club and bulletin. To get back to Q as an image-rejector briefly, a broadband antenna which will cover a 500 Khz segment of the dial with good results on a good receiver is unfortunately a LOW-Q antenna and will have nowhere near the image-rejection qualities of an L/C tuner w/ LW. The Dipole or Inverted-V antenna is an excellent example of a fine one-band antenna with low-Q.

Now, let's get into the common problem of front-end overload. Many receivers, which the manufacturers KNOW face this problem, are equipped with 1 to 3 step "Attenuators". These are simply resistance values, usually poorly chosen, injected into the antenna circuit. A simple and much more flexible system which acts much the same as a variable RF-Gain control (usually missing from the receiver's controls) is a 20-50 K-ohms potentiometer (pot), available from any radio or TV shop at just a few dollars, inserted into the "hot" side of the antenna lead-in. This device is VARIABLE and does not limit your attenuation of the signal to pre-chosen values. The pot lets you choose a compromise which will handle your overload but still allow you to hear the weak DX. I cannot stress the advantage of this important point in strong enough terms to the DXer. A pot can also be connected across the ANT and GND terminals, but I do not consider the difference to be important enough to cover in this column as the difference is negligible. A VOM, VTVM or Multimeter is helpful in determining the amount of resistance at various settings on the pot, but many DXers do not have one, so just "play it by ear" when connecting the pot. Most pots have 3 connections. Just experiment with it till it seems to offer the most attenuation. EXPERIMENTATION is highly encouraged in this column, as that is how we learn and develop the desire to keep learning. NOTHING WILL WORK, IF YOU DON'T TRY IT!
Note: "20-50 K-ohms" pot means either a 0-20 or 0-50 K-ohms pot. You may be able to use a volume pot from an old radio or TV at no cost.

QUESTIONS FROM MEMBERS, HELPFUL HINTS:

The following is my reply to a member who has a noise problem and sent full info on his receivers, antennas, etc.

Dear Ted,

Your problem of noise in an urban area is so typical, and is unfortunately one of the most difficult problems to deal with. I do appreciate all the info you gave me, regarding your receivers, antennas, the fact that you cruised the area with a portable, etc. Often, these provide valuable clues. However, your typical problem is that you have an interfering noise coming from an unknown source. SOMETIMES, an active antenna on a high pole, with coax downlead will allow you to get above the noise, as the noise is usually close to GND level. I wouldn't advise anyone to spend that much money to find out though. You mention that you have such an antenna but that it was not helpful. Height, as I say, is important.

The attitude of local Power companies varies from very helpful to "We couldn't care less". It would be worth a try to contact their trouble-shooter. Memphis Light Gas and Water in TN was most helpful to me with three cases of extreme noise in a 2-year period, and solved them all. The guy just cruised the neighborhood with a portable till he zeroed in on the maximum noise signal..

The first step in chasing down noise is always to cut off ALL power to your own residence and see what happens on your battery-operated portable. Unfortunately, it's a rare case when the noise is being generated in your house. If that does get rid of the noise, the next step is to cut off the various circuits in the house, one at a time, till the noisy circuit is identified.

I understand that Radio Nederland has a booklet on how to deal with the many noise sources. If any readers know if this is true, a note to this editor and to Ted Curley 4040 San Felipe # 139 Houston, TX 77027 would be most appreciated by both of us. (Ted's name used w/permission).

The "low hum" that you described puzzles me. Every case of noise that I've personally had to deal with has been a loud buzz, either steady or intermittent. Any members have any ideas on this?

I haven't helped you much. Maybe someone "out there" will help us both.

73,
Neal
Neal

ADDITIONAL COMMENTS ON NOISE: I have found that many DXers are under the impression that LINE NOISE is transmitted to the receiver via the power cable on the rig, and can be eliminated by the attachment of a suitable filter such as sold by Radio Shack. This is almost never the case. LINE NOISE is noise that is "transmitted" by the power lines that run outside your home, and it enters your receiver through the antenna. Since the source of the noise can often be quite far away, the problem can be one of the most frustrating ones to deal with. Unfortunately, AC Line filters are effective only when attached to the SOURCE of the noise, and not at the receiver.

Helpful Hint of the month: Static buildup can cause damage to modern receivers. In the earlier transistorized rigs, an N-2 neon bulb across the ANT and GND lines (anywhere) at about 30% is usually adequate. In the latest receivers a transitrapp is highly recommended. More on this in a later issue.

The ICOM IC-R71A is a 100% solid state general coverage communication receiver with a frequency coverage from .100 Mhz to 29.999 Mhz. It employs a quadruple conversion superheterodyne system with a 70.4515 Mhz first IF and a high gain 9.0115 Mhz second IF.

The tuning dial can be used to tune in 1 khz, 10 khz, 50 khz or 1 mhz steps. The 1 kz resolution is especially handy in making the SB voice signals as readable as AM.

A keypad is provided for rapid and precise frequency entry which allows quick band hopping in addition to a 32 channel frequency/mode memory to program in your favorite stations. I found this very handy for monitoring number stations to rapidly check frequencies for any signs of activity throughout the day, as well as keeping the BBC and other favorite stations on tap for instant monitoring.

The two VFO's can be switched back and forth with just one keypress so frequencies and modes may be copied back and forth between them and the 32 frequency memory bank. This is a very handy feature for comparing parallel transmissions.

The reception modes available are AM, CW, USB, LSB and RTTY with an optional FM unit available for the one HF ham band that uses this mode of reception primarily for downlinks from communication satellites.

Jacks are provided for headphones and an output to a tape recorder triggered by the squelch control setting. A external speaker jack, along with an output for an RTTY tuning scope are found on the rear panel.

Two antenna jacks are rear mounted with a switch to enable or disable automatic antenna switchover on frequencies under 2 Mhz.

A three position slide switch allows you to set the sensitivity for normal or attenuated reception while a very effective preamplifier brings life out of muddy band conditions and faint signals.

The noise blanket is quite effective with a wide and narrow mode used with an analog level control so the woodpecker as well as atmospheric noises and some man made noises can also be minimized or completely eliminated.

The adjustable notch filter can be used in all modes except AM and FM. The response is razor sharp and takes a little practice to get the hang of but once mastered, performs miracles on the meter bands.

3 modes of scanning are selectable from a switch on the front panel to enable scanning of the memory channels only or between 2 specific frequencies. The scan mode switch can lockout all modes except the one specified within the 32 channel memory bank.

The true benchmark test of any receiver is the sensitivity to pick up weak signals while being able to reject what you don't want. This in my opinion, the strongest point of this rig, bells and whistles considered. It's extreme sensitivity coupled with the fine tuning resolution lets you pick up the one lung stations. The passband tuning and notch filter used in conjunction with the switchable bandwidth and noise filters is VERY effective in digging that rare dx right out of the QRM and QRN.

For use with transmitters or transceivers a mute plug is provided to ground the receiver's front end during transmit. I have used this rig extensively as a ham with superb results because of it's ability to isolate one faint CW signal from the congested ham bands.

The audio quality is the real surprise! Never before have I found a shortwave rig with a warm and smooth sound. The speaker is a tiny 3 incher bolted through the top of the radio, pointing up to diffuse the sound with good effect.

A host of add on units have been announced and all but the computer interface are available. Recent communications from ICOM suggest this option still has bugs and may not be released at all. The speech synthesizer was one of the first options made available. Except for handicapped swl's it's more of a novelty than a must-have option.

(to be continued next month.....)

Last weekend I passed the 13 wpm code test and upgraded my ham license from Technician to General. Now I have a halfway decent chance of QSL'ing some of the tougher places like the Aguilla Islands and Grenada. Being a ham does not detract from or put swl'ing in the back seat, rather the knowledge gained of radio enhances a person's ability to be a more successful and efficient SWL.

Next month will feature an in depth review of the new MFJ 1229 computer interface and part two of the Icom R71A review.

Until then, best of DX and ---... ..--.. -- .. --. -



PSST!

TIPS 'N' TOPICS

JOHN DEMMITT
Box 4, K0848
Bellefonte, PA 16823
DEADLINE: 12th



Sure hope no one was fooled by a certain pirate operating in the wee hours on April Fool's Day. You never know what to expect on the bands unless you scan for these unusual spur of the moment broadcasts.

Taking advantage of the 70 degree plus temperatures we experienced in the center most part of Pennsylvania towards the end of February, I took my ICF-S5W outside for a couple of hours to conduct a daylight bandscan so I could report the out of state stations to SPEEDX. I returned with a sunburn - in February! Does that qualify me for a purple heart? hi.

We have a lot of interesting information to present this month. We will do our best to provide as much of it as possible considering space limitations.

- . . . TNT - . . . TNT - . . .

KPF-941 SHALL RETURN! John H. Demmitt, PA

Along with a QSL from Auxiliary Station KPF-941 owned and operated by Weiner Broadcasting Co was a letter saying that the Yonkers, NY site is being planned to be used as a production tool for WOZW and WOZI. If the people in Yonkers happen to tune in, there is nothing the station can do to stop them.

KPF-941 created a lot of confussion in the radio world when it went on the air in late 1984 claiming to be a legal station on the assigned frequency of 1622 KHZ. Pirates have operated on that frequency in the past and many radio buffs thought KPF-941 was simply another pirate station. The Federal Communications Commission soon cleared that up with it's order directing Weiner Broadcasting Company to stop broadcasting to the Yonkers, NY area with it's Auxiliary Station KPF-941.

The station was heard up in Canada, out into the mid-west and down in the southern states with excellent modulation and very professional programming. Radio monitors may want to keep 1622 KHZ on their hot list.

- . . . TNT - . . . TNT - . . .

RADIO CAMEROON BERTOUA Michael Mahoney, FL

Those interested in the historical background of the Cameroon's broadcasting service and the current programming will be interested in a publication entitled, Radio Cameroon Bertoua by James Achanyi-Fontem which is available by writing to:

James Achanyi-Fontem, Journalist & Broadcaster
Radio Cameroon PO Box 230 - Hertoua
Eastern Province - Republic of Cameroon

The station does point out that listeners who send two IRC's will receive quick replies.

- . . . TNT - . . . TNT - . . .

ELUSIVE & MYSTERIOUS STATIONS CAN BE HEARD ON FM! . John H. Demmitt, PA

Over 900 FM radio stations transmit special programming via sub-carrier. You can listen to background music, medical reports, books, etc. For more information, send 50¢ to: FM Atlas, Adolph, MN 55701-0024.

ALBANIA TODAY..... Ruth Hesch, NY
The first station I heard as a SWLer was R. Tirana, Albania, with a tirade against the United States. Fortunately it did not dissuade me from the hobby. Over the years since then their relations have not improved with the U.S. or most of the other nations in the world. In the November 11, 1984 issue of the magazine section of the New York Times there was an article, "Albania Opens Its Doors A Crack", by David Binder. In it was noted that Albania which boasts it is the last stronghold of Stalinist Communism may be breaking out of its shell. The leader for the past 43 years, Enver Hoxha, 76 years of age and a former schoolteacher, is thought to be brutal and paranoid, in ill health and rarely appears in public.

The people of this country are descended from one of the oldest known peoples of Europe, the Illyrians. The area is slightly larger than Maryland with a population of 3 million which is about equal to metropolitan Boston. There has been a rapid population growth, the birthrate being three to four times higher than the rest of Europe, with the average age of 26. It is estimated that in 15 years the population will increase another million.

Last March Albania concluded a new and broader trade and cultural agreement with Italy. A chair for the Italian language was established at Tirana University and Italian will be taught in the Albanian secondary schools. A cooperative agreement was signed between the Albanian press and Italian news agencies. Also, a commercial ferry service was opened between Dures and Trieste. The Albanians are interested in Italian firms building a new telecommunications facility, a hydroelectric project and factories. Major obstacles to these are the country's refusal to accept foreign loans, credits or financial aid, and have regulations that contracts last only one year. This results in foreign trade being bartered with Albania exchanging chromium and oil for manufactured articles. At present, Yugoslavia is the largest trading partner.

Compulsory is a workweek of 48 hours, privately owned automobiles do not exist, 45,000 TV sets were estimated in 1981. In 1945 there were only two radio transmitters but there has been improvements in communication since then. Dress is plain, modest, lacking in accessories. Seldom are men seen with beards now and at the airport male visitors with long hair may have to submit to barbering.

Private enterprise is very limited. Urban centers are being developed. The population of the capital has increased from 25,000 residents in 1939 to 200,000 now.

Since 1967 there has been a campaign to eliminate churches and organized religion has gone underground.

In the past Mr. Hoxha has tried to convince the Albanians that their isolation from the rest of the world protects their national security. But now the government has been sending students to Austria, France, Italy and Sweden and is seeking new trading. This seems to indicate a different country after the death of Mr. Hoxha.

RADIO KOREA:

The KBS is planning to broadcast in Italian to W. Europe in the near future. At present they are organizing the Italian Section and the works are in an advanced point. No details about the date of starting and the frequencies. At present the best frequency in Europe is 7.550 kHz with good results. By: George Romanin, Italy

Crackle . . . squeak-crackle . . . Testing 1-2-3 . . .

'This is Radio Hate'

The Sunday Star investigation into mysterious subversive broadcasts hostile to Southern African governments has uncovered a wealth of detail, including the interview below with a former rebel radio operator now being detained in Maputo. The BBC Monitoring Service has confirmed that at

least two emanate from South Africa. And experts believe many more are operating from a central base in the Transvaal. Stay tuned as we probe the background of these propaganda machines that are spewing out messages of subversion and fear.

Rebel on the run: the diary of a shortwave subversive

MAPUTO — Former Mozambique rebel broadcaster Constantino Reis told The Sunday Star this week about his work in the shadows for the rebel radio station, "Radio Free Africa", known in Mozambique as the "Voice of the Hyena".

Reis, a prisoner of the Mozambican security service, Snasp, described — in the presence of a Snasp guard — how he fled from Mozambique because of "political problems" and joined the Mozambique National Resistance in South Africa.

At the Portuguese embassy in Swaziland he said he was told that while he could not be given a Portuguese passport there was "another way" in which he could continue to study.

GREENADA Recent observations of Staffon has resumed its nightly relay of Voice of America's "Caribbean Report" from 0000-0330. Radio Grenada continues to relay news from the World Service from 1100-1109 and "Sports Round-up" from 2245-2259.

This led "via Johannesburg". He agreed and was taken to the Sender at Komatipoort. Two South Africans then drove him to Johannesburg where he was handed over to a Portuguese hotelier. He was interviewed by Francisco Bombas, elder brother of the pilot Adriano who defected to South Africa in a MIG 19 jet.

Bombas said Reis could continue his university studies on condition he joined the MNR.

Then he was interviewed by MNR Secretary-General Orlando Cristina and also the movement's president, Alfonso Dhlakama.

In October, 1982 Reis said he was taken to Pretoria to work as a broadcaster on The Voice of Free Africa, the MNR radio station.

He said he moved to a small-holding about 45 km from Pretoria which housed Cristina, the Bombas and about six others who worked on the station. He prepared taped news reports which were sent to the Radio RSA, Radio Mozambique and Voice of America news bulletins.

Then tapes were made in a luxury car fitted out with recording equipment. There were no studios.

The station also received news of MNR activities from its Phalaborwa base each week.

He said they later moved into a Pretoria building housing the offices of the Anglican rebel movement UNITA and the Muzorewa auxiliary forces that fled to South Africa after Zimbabwean independence.

But work came to an abrupt halt

after the murder of Cristina on April 17, 1983.

Reis was at the farm when the assassination, still clouded in mystery, occurred. The radio team told that the murder had brought an unwelcome publicity to the farm and it was moved to a new MNR camp at Pieterburg in June, 1983. They were then taken to camps at Messina and Phalaborwa.

Later, he said, the team was taken to a small airstrip in a mountainous region and boarded an aircraft which took them to the Gorongosa game park in Mozambique's Sofala Province. Dhlakama and the Bombas were living there with their families.

He spent a year at Gorongosa and at a lesser base at Pungwe. He

said he became critical of the MNR over this period.

When he warned the MNR soldiers that the South Africans would abandon them he said he was jailed and beaten.

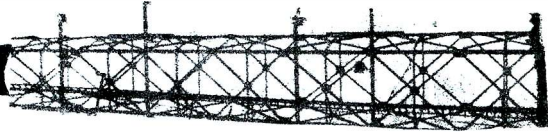
While deciphering incoming messages from Dhlakama, Reis said he found one suggesting that he (Reis) should be shot.

He decided to flee. Meanwhile, The Voice of Free Africa team was disbanded but a new group named Voice of the Resistance was formed and kept in reserve at Pietersburg, Reis said.

Reis slipped out of the Gorongosa base at night and made his way to the Caia district on the Zambezi River. He gave himself up to the Mozambican authorities in Tele province. — Foreign Service.

DOMINICAN REPUBLIC Monitoring observations on 20th January showed that Radio Earth uses Radio Carlin's transmitter on 11700 kHz from 1600-2300 on Sundays. The first six hours are in English, with the final hour in Spanish. A review of Dominican news over the past week is carried from 2200-2210. A listeners' letters programme at 1600 on 20th January said that the seven-hour Radio Earth Service had started on 13th January. Radio Earth's weekday broadcasts from 0300-0400 have now been discontinued. *

Are Your Radio Friends Receiving SPEEDX?



RADIOTELEVISIONE

WRITER ON THE RADIO. Calling from Rome, I am writing an impatient writer. I have from the day I began speaking on the radio fairly regularly always excluded the possibility that my more literary friends might be listening. If I ever thought they were, I would stumble over the very first words, convinced as I am that to succeed on the air, a writer has to eliminate that kind of «literature» in which every sentence has to be read at least twice to be thoroughly understood.

You can talk about anything on the radio, from theology to infinitesimal calculus, as long as you don't sound as though you're talking to students at Gregorian University, or to the mathematics class at the Academy of Arts and Sciences. Take an average tone, one that can be not only understood, but also accepted by all. A tone that is preferably domestic. On the radio, emphasis sheds its plumes. Don't rant and roar, don't tear your toga or cover your head with ashes. The most fiery oratory loses all effect and quickly becomes ridiculous, when it reaches the radio listener without its accompaniment of operatic gestures.

Don't lecture. Semprounus is an excellent teacher in his field, but when he talks on the radio, he seems to be standing against the blackboard; and the listener has the uneasy feeling he may be told at any moment to stand up and be questioned.

Today's best prepared literary critics always talk about the teaching methods of Francesco De Sanctis. But let me note that he always managed to make the most subtle ideas penetrate instantly into the entire class; while some of today's little teachers aim past the class, preferring to talk from height to height, like muzzelins from the top of their

RAI
FALLEN
style

Antonio Baldini

IDEAS & BARGAINS

Gilfer Shortwave has an excellent idea for some portable radios. It is a specially-made for Gilfer Carry-Case for the Sharp RV-310 and 610GM; Panasonic RF-B50 and 9; Sony ICF-2002, 4800, 7600A and the new 4810. There is room for accessories as headphones, maps, special-sized log sheets and a 6"x9" book. It is black Dupont Cordura, waterproof, has thick foam padding, and a Velcro and catch-lock inside, an additional pocket under the flap, and a Velcro and catch-lock on the front. The web shoulder strap with catch-lock is adjustable and there are special loops on the back to put onto a belt for backpacking or hiking. It weighs 3 pounds and has a 5 year guarantee.

The cost is \$29.95 and the UPS charge varies with location according to the first three numbers of your zip code (O10-299 is \$1.60) (300-699 is \$1.80) (700-994 is \$2.50). Available from Gilfer Shortwave, PO Box 239, 52 Park Avenue, Park Ridge, NJ 07656.

SPEEDXGRAM IS AN OPTIONAL FOUR PAGE SUPPLEMENT TO THE REGULAR SPEEDX BULLETIN. A FLASH SHEET OF LATE BREAKING DX NEWS DESIGNED TO MEET THE NEEDS OF ACTIVE SWLS/DXERS WHO WANT THE LATEST INFORMATION IN A HURRY. THE GRAM DRAWS ITS TIPS FROM YOU THE SUBSCRIBER, FROM DX PROGRAMMES AND PUBLICATIONS, AND FROM WORLD BROADCASTING INFORMATION OF THE BBC MONITORING SERVICE. ALTHOUGH THE GRAM SPECIALIZES IN SWBC INFORMATION WE WELCOME TIPS ON CLANDESTINE, HOBBY PIRATE, AND UTILITY BROADCASTS. DEADLINE FOR CONTRIBUTIONS IS AROUND THE 15TH OF THE MONTH.

SUPPORT THE GRAM

LIKE THE REGULAR MONTHLY SPEEDX BULLETIN, THE GRAM RELIES ON YOUR SUPPORT. SEND IN THAT LATE ITEM, A HOT CATCH THAT IS NEWSWORTHY, OR ANY OTHER DX ITEMS THAT YOU WANT TO SHARE. REMEMBER, THE GRAM GETS THE NEWS TO YOU FIRST. SEND MATERIAL, TO REACH THE GRAM EDITOR BY THE 15TH OF THE MONTH. WITHIN A WEEK YOU'LL SEE IT IN PRINT!

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ANYONE IS ELIGIBLE TO SUBSCRIBE, YOU DO NOT HAVE TO BE A MEMBER OF SPEEDX. SEND \$4.00 FOR NORTH AMERICA (INCLUDING CANADA AND MEXICO), ELSEWHERE \$6.00 FOR AIR MAIL DELIVERY. ALL PAYMENTS SHOULD BE BY CHEQUE OR MONEY ORDER IN U.S. FUNDS MADE PAYABLE TO GRAM EDITOR: BOB BODELL.

9118 S. E. MASON HILL DRIVE, PORTLAND, OR 97222 USA

Ruth Hesch, NY

A TOUR OF JAPAN Mike Femyer, AZ
Recently it was reported that there were no more tours of WWV and the BBC. I don't know how their set-up goes, but it brought to mind the day I got a personal tour of Radio Japan.

I had communicated with a gentleman at NHK about seeing the shortwave section and arranged a date for my visit. A Japanese friend of mine, who was helping me find my way through Tokyo, and I arrived at the appointed time and went to the Radio Japan area.

Now keep in mind this was 1981 when the Radio Japan General Service divided each hourly broadcast between English and Japanese. We saw the studio where the news was delivered, then went to the newsroom, and then went to the room where the rest of the shortwave programming was put together. Namely a LARGE bank of cartridge playback machines each having a particular program loaded into them. At the appointed time a computer starts each machine and makes sure that it is fed to the right program line.

Before leaving this section we saw the room where the programs were dubbed onto cartridge.

We did not see the domestic MW or FM areas but we did go downstairs to see the large TV studios, the biggest of which can hold a full symphony orchestra. We did see the musical group Crystal King rehearsing their current (at that time) hit for a live noontime TV show called "Lunchtime Present".

Our "tour guide", Mr. Tojo, had spent more than an hour with us and had to return to his duties so he left us in the upstairs coffee shop. After resting a bit, and looking out the window at Shinjuku in the distance, we left the main building and had the good fortune to be able to look into NHK Hall, a LARGE auditorium where concerts are held and some TV shows are either taped or done live. On this day they were getting ready to tape the teen music show: "Let's Go Young".

In 1983, I did the same tour as the native Japanese, the "self-conducted tour of NHK". On this tour you go in and pick up a "tour guide" (brochure printed in Japanese) and then go off down the hall to start your tour. This time I had my wife along (she's from Karatsu, Saga, Japan).

Here we saw the same studios that I saw in 1981, but this time we looked down on the studios through plate glass windows. Mock radio and TV studios are set up so that people can get an idea of what a studio looks like. (I call them mock as I can't see them actually being used.) Just before you reach a series of escalators there are front covers of NHK magazines dating back several decades right up to almost the present. Several American stars are included in this collection.

After the series of escalators there is an automated tape machine playing background music for the assembled multitude. Then a final hallway of sets and various things including a closed circuit TV set-up where you can sit down on a "news set" and see yourself "on TV".

A coffee shop/souvenir stand is located here and then its down a long circular stairway to basement level. Going down the stairway, well actually, its a ramp, you can look at pictures of the various NHK TV stations located throughout Japan.

The basement level is actually the parking garage where there's an old NHK remote truck complete with old VTR. And that concludes the FREE do it yourself tour of NHK.

But, I'm not through yet. My wife and I walked back to Shibuya-ku station where we decided to ride the subways over to Minato-ku. From Kamiyacho station it is a very easy walk to both Tokyo Tower and the NHK Broadcasting Museum. We went to the museum first since it would close before the tower.

There are many, many interesting things to see at the museum, unfortunately everything is in Japanese. At the time I visited (June 1983) there was a very BIG version of Sony's ICF-2001 radio...and it worked! There was the original RCA transmitter for JOAK Radio; original TV cameras, including RCA's TK-11 and TK-41 color camera; many, many pictures, logs, microphones; a TV set that plays the history of the world as seen and heard on NHK, a set up of an original radio studio, and a lot more.

Now, I'm not crazy, but this requires some explanation. When I was growing up I always wanted to be in broadcasting; I was IN broadcasting for two years, but then got out (stepped away) to see where I really wanted to go. I think I stepped too far away since I can't get back in. Its been 15 years now....

Explanation, part two...Japanese trains leave on time. If you miss it too bad, ergo, I always made sure my watch was to the second.

Now, why I thought I was crazy...I've always enjoyed radio station jingles, commercial jingles, the NBC Chimes, the "Monitor" beacon (anybody remember that NBC Radio show?), TV show themes, etc., etc., and it seems like I am always humming some theme or jingle. But while touring the museum I started hearing the Radio Japan interval signal. I stopped in my tracks and listened. It wasn't me humming, and my watch read 3:56 pm. I was definitely hearing the interval signal. So, I walked down a hallway and lo, and behold, there was a speaker that was set up to let people hear the General Service in the museum. Included in this display was a large map showing Radio Japan's target areas.

So, I wasn't crazy, but I wasn't sure for awhile. And I enjoyed seeing the museum, I'm glad I went.

The museum is free and is closed every Monday. If my information is correct, NHK closes very fourth Monday.

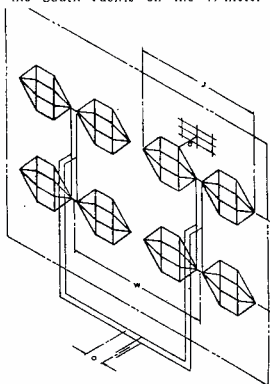
So, if the others want to do away with their tours I can HIGHLY recommend seeing NHK. Personal tours of NHK can be had, or you can arrange to have an English guide (a day or so in advance). Or, since I wanna go back to Japan again sometime I'll show you around. (Hi)

NEW 49 - METER ANTENNA

ANDEX INTL. PUBLICATION

by Don Hastings, Staff Engineer

HCJB's newest antenna is now under construction at the Pifo, Ecuador, antenna farm. This antenna will provide coverage of Europe and the South Pacific on the 49-meter



band with a power capability of 500,000 watts. It will be our second largest antenna structure with a width and height both of about 355 feet (108 meters). Only our steerable beam antenna is larger than this. The active elements of the antenna are indicated in the sketch. They consist of four flat "cage" type dipoles one-wavelength long and one-fourth wavelength wide; this shape prevents excessively high voltage on the elements even at 500 kw of power.

The large size of the antenna provides good directivity of the signal power in the direction of the target countries. The power is concentrated 130 times stronger in the target direction (gain = 21.1 dB I) than for an antenna that radiates in all directions. This is twice as strong as the old antenna it is replacing. As a result our European listeners will be getting ten times more signal power than we have ever provided in the past.

The structure will actually contain two separate four-dipole arrays separated by a reflecting screen in the center of the structure. This arrangement will permit simultaneous broadcasts to Europe and to Australia and New Zealand, which could not be done with our old antenna. Initially we will broadcast with 100 kw to the South Pacific and 500 kw to Europe.

Our broadcasts to Europe will cover from the southern edge of Russia north to above Lapland at the northern-most tip of the Scandinavian peninsula. This will provide excellent coverage of all of central and northern Europe. In the South Pacific direction the coverage will extend from Sydney south to include Melbourne, South Australia, and Western Australia where our other antenna beams have been weaker in the past.

This new antenna is expected to be in operation by the end of January, 1985.

Monitors have noted with accuracy that the numbers transmissions seem to have begun around the time of the Bay of Pigs invasion of Cuba in the early 1960's.

When the Batista regime was overthrown by Castro and his guerillas, many well to do Cubans had to flee for the United States and in many cases, left everything behind, even business equipment that was eventually discovered and appropriated by the new Cuban government. Most of this was easily recycled for use in the new socialist state except for one industry: the gambling casinos that flourished for so long and made a select few very rich.

Puzzled by what to do with all these trimmings of capitalist decadence, high level contacts were made between the Cuban government and the U.S. military base commander in Guantanamo and before long an answer was found.

A casino was built on the borderline of the U.S. military base and Cuban soil for the purpose of neutrality and goodwill between these two opposing forces that were by circumstances, strange bedfellows on a small island.

This casino would only be open to high ranking military officers, heads of state and embassy personnel who were generally regarded as intelligence agents who were there to relax but who also kept their ears open for tidbits of information and potential defections.

When news of this casino broke in Miami's military and intelligence community, plenty of people were angry and bitter. Some resented any ties whatsoever between the two governments while others were upset at not having been invited to the grand opening.

Within hours a boatlift with gate crashing gamblers from the CIA and the Mafia sailed from Miami on that fateful night. Being prudent gamblers accustomed to carrying large sums of cash, they were armed with light automatic rifles and various anti-personnel devices. They didn't know what to expect when they got to the People's Casino.

Their good-intentioned gate crashing was not at all well received; in fact, it was completely misinterpreted by both the Cuban and the U.S. forces in Cuba, who jointly sank several pleasure crafts that were fitted with .50 caliber machine guns and occupied by ukulele-playing businessmen. A coverup soon turned the truth into the "Bay of Pigs" invasion. No formal diplomatic relations existed between the governments so the casino represented their only link. What better time to discuss wheat sales with strings attached to the eastern European comrade who has just lost all his country's grain money on keno?

After the bloody gate crashing incident it was decided to go wireless and run the casino games over the radio with all bets and payoffs guaranteed by deposits in an Austrian bank. The clientele was limited to chiefs of state only!

Necessity, being the mother of invention, soon spawned the number stations: those mysterious transmissions in many languages that send groups of numbers and sometimes letters on a very precise day/time/frequency schedule.

Bets for most games are transmitted on the hour in a four-digit format in a variety of languages. Young ladies, most often secretaries or mistresses of the VIP gamblers, were the only ones entrusted with the bets and they themselves read the bet sheet over the radio facilities of their respective governments.

After all bets are in for the world favorite game of KENO, 20 winning numbers are picked out of a possible 100, with game results broadcast from Cuba in a Spanish 5-digit format.

Bets and payoffs are then transferred via computerized banking links

before the next game transmissions begin on the next hour. Many gamblers like to play the same numbers on the KEND card over and over again which accounts for why many number broadcasts seem to be sending the same message night after night. Now we know why.

It is interesting to note that the Chinese, who are seeking to modernize their economy and earn foreign exchange credits are now participating in the games on 8.400 MHz every night.

Direction-finding hobbyists have located some of the 4-digit bet transmissions coming from East Germany, Bulgaria, and even Latvia in the guise of the "Mad Hungarian" who plays a mean violin between bets.

Some monitors have noted the poor quality of transmissions emanating from Cuba and that the station seems to be always in a state of disarray. If you had a job in a casino where they served complimentary rum, how together would you be?

Now that the truth is known, perhaps this ridiculous fascination with the numbers stations will end and the same energy will be concentrated on the investigation of more serious radio phenomena such as monitoring CW from the dead and DX'ing VLF signals from airport metal detectors.

INCREASING THE UTILITY OF THE WRTH

Michael Schulsinger, OH

The World Radio TV Handbook may be the most useful of all shortwave radio publications. I know that I wouldn't want to be without it. But the book does have its faults, and one that you can do something about is poor indexing. A good example is the fact that continents are not mentioned in the 1984 index, even though countries are grouped in that manner. If the 1985 edition is anything like the 1984, the following suggestion will help you to locate your favorite pages with a one-time effort of just a few minutes.

What I decided to do was make tabs to identify frequently used pages. I chose 1/2" by 3/4" self-adhesive labels from Avery, purchased at a local stationery store, but other brands or even homemade tabs would work just as well. After you have decided which pages you wish to mark, count out the proper number of labels and pencil a line down the middle of each. Then use a fine ballpoint pen to write in whatever title you wish on each side of the line. Finally, place each label on the edge of its proper page, fold along the pencil line, and attach the tab to itself and the other side of the page. The tabs can be placed at the top of the pages, or along the outside edge as with dictionaries.

RADIO JAMMING: A PART OF SOVIET LIFE

R. Gillette, Los Angeles Times

First comes the familiar signature - a few bars of "Yankee Doodle" - followed by an announcer's voice slicing crisply through the background static in impeccable Russian.

"Vy slushayetse Golos Ameriki," - "You are listening to the Voice of America."

Then comes the jamming.

A study last year by the U.S. Information Agency estimated that the Soviets employ between 5,000 and 15,000 technicians to run 2,000 jamming transmitters in about 100 cities at an annual cost equivalent to between \$100 million and \$300 million. The study, by James P. McGregor of the agency's Office of Research, concluded that the effectiveness of Soviet jamming varies from a "minor annoyance to total blockage."

The Soviets jammed the Voice of America and the BBC more or less continuously from the late 1940s to the beginning of detente in 1973. They resumed in August 1980, with the rise of the Solidarity independent trade union movement in Poland.

DX DIRECTORY AVAILABLE Bob Thunberg, PA

According to Bob, a directory of DX'ers is available for the total cost of \$6.00 which includes shipping from Universal Shortwave Radio. A listing of over 800 DX'ers and 100 clubs are given in this publication. To order, send \$6.00 to:

Universal Shortwave Radio
1280 Aida Drive
Reynoldsburg, Ohio 43068

Radio Universidad - Rubrica! Carl Huffaker, Mexico

To those interested in Latin-American Spanish, I noted that Radio Universidad listed their sign on and sign off ID's as "Rubrica". Technically this refers to the marks that are added to authenticate a signature, but I have noticed that here in Mexico, legal documents call for rubrica rather than the word signature. Hmmm... I wonder what John Cereghin would say if I started using "authenticated ID" in my WH reports.

Radio Bahai Don Moore, Peru

From the Indian market town of Otavalo comes Radio Bahai in the Spanish and Quechua languages. The family oriented stations uses at the current time a 1 KW transmitter on the frequency of 4990 KHZ but is expected to fire up a donated 5 KW transmitter sometime in April of 85. The station is best heard over Radio Barquisimeto from Venezuela at 1000 UTC so be sure to listen closely for the correct ID. Reports may be sent in English as the station engineer who is an exiled Iranian Bahai who speaks good English will verify correct reports with a plain black and white QSL. He will also send an attractive blue & white pennant and a station poster but in order to receive these items you must be sure to include an IRC or some unused postage stamps from Ecuador along with a correct report.

SHORTWAVE RECEIVER CATALOG FOR \$1.00 John Demmitt, PA

Sheri Lloyd, Office Manager at Radio West informs TNT that the new catalog containing receivers, accessories and modifications is available to those who send \$1.00 to:

Radio West
3417 Purer Road
Escondido, CA 92025

READ ALL ABOUT IT John Demmitt, PA

Monitoring Times - March 85 features a special article concerning antenna projects by such experts as B.D. Snell, Al Smith and Bob Grove. The weather has zapped a lot of antennas and this will give you an excellent change to make improvements instead of patching up repairs.

The Shortwave Guide - March 85 has a two page interview of Jonathan Marks of Radio Netherland's Media Network conducted by publisher Larry Miller. The interesting article comes complete with a host of pictures showing Jonathan Marks and the new transmitter site at Flevo.

LAST MINUTE NEWS John Demmitt, PA

Due to unexpected problems involving the printing of the bulletin, some pages were deleted from TNT last month. I am very sorry about this and it disturbs me greatly that many of the contributions were not used. I have been assured by our publisher that these materials can be used in the future and have returned them to him. Depending on the page allotment, readers may find a change in store for the May edition.

73a
John
Have a nice
May day but
not on 2182
KHZ!

WORLD SERVICE**PROGRAMMI****BULLETIN DE PROGRAMMES****ENGLISH SERVICE****PROGRAMME SCHEDULE****STATION SKEDS**

Editor:

CHRIS LOBDELL

P.O. Box 146

Stoneham, MA 02180

EMISSIONS**TRASMISSIONI****PROGRAMS****SERVIZIO****COMUNICATI NEL CORSO**

Deadline: 12th

Hello fellow SPEEDXers! I hope all of you are enjoying the fine spring weather that we have been having lately. As I type this, the month of March has been lamb-like. With the earlier sunrises and later sunsets, conditions on the higher bands will tend to open up earlier and remain active well into the afternoon. Lower bands will not be active until the early evening.

We are still in the spring "M85" broadcasting period. This period expires on the first Sunday in May. The summer "J85" period will then be with us until September.

As usual, unless otherwise stated, all schedules are for English broadcasts. Times quoted are in UTC/GMT. Schedules credited to the BBC MS are copywrited and used by permission.

ALASKA. KNLS, The New Life Station in Anchor Point has this tentative J85 summer schedule.

0700-0930	11850	Asla	English
0930-1200	9685	USSR	Russian
1200-1500	9685	China	Chinese
1500-1730	7355	Europe	Russian
1730-2000	7355	Europe	English

(M. Hardester)

ALBANIA. Radio Tirana. Broadcasts beamed to North America. Schedule dated January 10th.

0000-0030	7067
0130-0200	7120
0230-0300	7120
0330-0400	6200, 7300
1230-1300	9555, 11960

(BBC MS)

BANGLADESH. Radio Bangladesh. This is their domestic home service schedule. Dated January 24th.

0110-0120	4880
0305-0310	4880
0705-0710	4890, 4890, 9617
1255-1300	4880
1705-1710	4880

(BBC MS)

CZECHOSLOVAKIA. Radio Prague to North America. Undated -- current schedule.

0100-0157	5930, 7345, 9540, 9630, 9740, 11990
0300-0357	5930, 7345, 9540, 9630, 9740, 11990

(G. Bledsoe)

ECUADOR. HCJB-Quito. Our erstwhile DX Montage Editor David Sharp sends this schedule of SPEEDX reports on the Saturday edition of the DX PARTY LINE.

0230-0300	6095	North America
	9745	"
	15155	"

ECUADOR: SPEEDX REPORT - CONTINUED.

0630-0700	6095	North America
	11910	"
0930-1000	6130	South Pacific
	9745	"
	11925	"
2130-2200	15295	Europe
	17790	"

Our man from Lutz also mentions that the SPEEDX report is heard on Radio RSA-South Africa on the 4th weekend of the month.
(D. Sharp)

FRANCE. Radio France International. M85 schedule, valid until May 4th. Thanks to SPEEDXer Lori Klosowski for putting into the SPEEDX format.

0315-0330	9800	Central America
	11670	South America
	11995	Central America
0345-0400	9800	"
	11670	South America
	11995	Central America
0415-0430	6055	"
	9800	"
0445-0500	6055	"
	9800	"

Most if not all of these transmitters are located at the relay station in French Guiana.
(L. Klosowski)

GERMANY(Federal Republic): Deutsche Welle. North American Service. Taken from the 1/85 edition of Hallo Friends.

0100-0150	6040, 6085, 6145, 9545, 9565, 11785
0500-0550	5960, 6120, 9545, 9690, 11705

Transmitter locations are Germany, Malta, Antigua, Montserrat.
(D. Claytor, L. Taylor)

HOLLAND. Radio Netherlands will start a new broadcast to North America on March 31st as follows:
 0130-0220 6020, 9895
 Transmissions will originate from the new transmitter site at Flevo.
 (M. Scheel)

ISRAEL. The Israel Broadcasting Authority has this M85 schedule to North America.

0000-0030 7412, 9440, 9815
 0100-0125 7412, 9440, 9815
 0200-0225 7412, 9440, 9815
 0500-0515 9009, 9425, 9440,
 9815,

1100-1130 11655, 15585, 17630,
 17795

1800-1815* 9425, 9390, 9920, 11585
 2000-2030* 9425, 9440, 9815, 11655
 2230-2300 7412, 9425, 9440, 9815

* These transmissions are actually for Europe although designated North America/Western Europe in the schedule.
 (R. Zilmer)

ITALY. RAI in Rome. M85 broadcasting schedule valid until May 4th.

0100-0120 9575 North America
 11800 "

0350-0410 11905 Southeast Asia
 15330 "
 17795 "

0415-0440* 5980 Mediterranean Area
 7275 "

1935-1955 7275 Great Britain
 9710 "

2025-2045 11800 Near East
 7235 "
 9575 "

2200-2245 5990 Japan
 9710 "
 11800 "

* This program is in Italian and English.
 (R. Zilmer)

JAPAN. Radio Japan (NHK) in Tokyo has the following M85 schedule to The Americas.

0000-0100 11710 200 kW
 0145-0245 15195 100 kW
 17825 200 kW
 21610 100 kW
 21640 100 kW

GENERAL SERVICE

0100-0130 17755
 0300-0330 17755
 0500-0600 9645
 0700-0800 9505
 0900-0930 9505
 1100-1130 9505
 1300-1400 9505
 1500-1600 9505
 1700-1730 9505
 2300-2330 17755

(K. Yamada, R. Zilmer)

LEBANON. Voice Of Lebanon. Sked dated January 24th.

0405-2330 6550 Arabic Ex. Satur.
 0405-0100 6550 " Saturday

MONGOLIA. Radio Ulan Bator. This is their winter schedule. Most recent one available.

1200-1235 9615 Far East
 12015 "
 1255-1330 7235 Southeast Asia
 15305 "
 1445-1520 9615 South Asia
 12015 "
 1940-2015 7235 Pacific
 15305 "

Broadcasts run from Monday thru Saturday only.

Note: Some broadcasts relayed via USSR transmitters.
 (M. Hardester)

NETHERLANDS ANTILLES. Radio

Netherlands via Bonaire relay.
 0230-0325 6165, 9590 North Amer.
 0530-0625 6165, 9715 "
 0955-1000 6020 Central Amer.
 (E. Soomre)

NETHERLANDS ANTILLES. Trans World

Radio in Bonaire. M85 schedule just received!

0045-0235 15355 S. Amer. Spanish
 0355-0440 9535 N. Amer. English
 0455-0600 11895 S. Amer. Spanish
 0458-0600 9535 C. Amer. "
 0603-0700* 9535 N. Amer. English
 0658-1100² 9665 S. Amer. Port./Sp.
 0725-1100³ 9665 S. Amer. "
 0925-1030 11895 S. Amer. Port./Sp.
 1110-1242> 11815 N. Amer. English
 1110-1337< 11815 N. Amer. "
 1110-1405¥ 11815 N. Amer. "
 2210-0235 11875 S. Amer. Spanish,
 Port., Russian

* = Monday
² = Tues-Sunday
³ = Monday
 > = Mon-Friday
 < = Sunday
 ¥ = Saturday
 [Direct]

NEW ZEALAND. Radio New Zealand.

This M85 schedule will stay in effect until May 3rd, 1985

0345-0730 11960 Pacific
 15150 Australia/Papua-NG
 1030-1215 9620 "
 11960 "
 1845-2115 15150 Pacific
 17705 "
 2345-0145 15150 Australia/Papua-NG
 17705 "

(M. Hardester)

RWANDA. Radio Rwanda. This domestic schedule is dated January 25th.

Programs are in French and local languages.
 0300-0600 3330, 6055
 0600-0900 3330, 6055 Sundays only
 0900-2100 3330, 6055
 (BBC MS)

SYRIA. Radio Damascus via DXPL and DX Listeners Service.

1200-1300 17510 North America
 2015-2105 11685 Europe
 (E. Soomre)

73/Good DXing,

Chris



WESTERN HEMISPHERE

EDITOR: John Cereghin, WDX3IAO
6812 Pickett Drive
Morningside, MD 20746

DEADLINE: 12th
TIMES: UTC
FREQUENCIES: kHz

APRIL 1985

Before I begin, I need to clean-up a mistake I made last month. In the shuffle of sorting the logs, I overlooked, much to my embarrassment, a gold-star log from Dan Sheedy out in California. To make up for my oversight, I'll showcase Dan's log, with apologies to Dan and you, the reader:

PERU...4485.2...0428*...R. Gran Pajaten, Celendin, mx request px w/requests anncd, frequent TCs, couple of mentions of "en nuestra ciudad de Celendin...", long ad string round 0400 to 0409, back to req. px. 0426, closing w/ID "desde Celendin, transmite R. Gran Pajaten..." a few more mentions of Gran Pajaten, OA NA at 0428 sig poor to fair w/local noise high and RTTY around 4487, noted also 1/19 0417-0430 and then covered by Russian on 4485 and a bit earlier on 1/19 at 0151-0200 w/ID, big echo on jingle/promo and mx (1/15,1/19 Sheedy CA)

The SPEEDX Guide to Latin American DX is now available! It is \$2.25 for full members, and \$2.50 for associate members. You can get your copy from headquarters. So get your copy, and give me your impressions.

Luis Mendez in West New York, NJ sends some info on R. Rebelde, 5025 from Cuba:

R. Rebelde was in action with Fidel Castro in 1956-1957. The "creator" of this station was Carlos Frauqui (now exiled in France). I believe that after Castro's rise to power, it became the "official" name of the national network formed by the confiscated, e.g. "nationalized" private stations. As you can see, all they did was re-name other stations "Radio Rebelde".

Here's a hot tip for you. R. Apinte, Surinam is back on 5006 kHz after a long absence. Check the logging section for details.

This note comes from Dan Sheedy out in California, commenting on R. Ancash's identity problem:

Ancash-4990 seems to have an identity problem. Carl Huffaker in Mexico hears R. Onda IDs at times, and it seems no one else does. Well, the other morning, I managed to pull in Ancash thru pretty well 0835-0854, and during that time they IDed as Ancash a couple times and had a program of Andean stuff mixed with mensajes (or comunicados, I've never been too clear on the distinction). During the mensajes, I heard a mention of "radio onda", not as an ID per se, but more in the manner of a program ID or similar. It may be possible that R. Onda is the name of the mensaje program or whatever is in the AM, I mean, "radiowave" is more likely to be concerning communication than just a station slogan. But unless one of us writes Ancash and asks, the question is still up in the air. It sounds logical Dan. Any comments Carl?

The following DX Tips are courtesy via various sources...

USA...KVOH, the High Adventure Broadcast Station in California announced that they hoped to be on the air by April 7 (World of Radio, 2/17)

SURINAM...R. Apinte, 5006, is active again, with programs in Dutch and other non-Latin languages (DX Newline, SWLD, DX South Florida)

BRAZIL...Radiobras is now using new 11745 for English to North America, reported at 0230-0240 (MacGibbon SPEEDXGRAM and direct)

DOMINICAN REPUBLIC...new Radio Earth sked, over R. Clarin's transmitter, Sunday, 1600-2200 in EE and 2200-2300 in SS. The weekday broadcasts at 0300 have been discontinued. (HBMS via SPEEDXGRAM)

Don't forget to check the Updater at the end of the column for more news. Remember, that if a logging has no language designated, it was reported in Spanish, or Portuguese for the Brazilian stations. The loggings begin on the next page.....

A L A S K A...KNLS

6120 1140 RR, orch. mx, ID/QTH in EE/RR at 1157, CC at 1200 (443 2/23 Shimada JP)
 7355 1823 EE, "Swinging Years" mx, relg tx, some QSB, but good bc (333 2/14 Witte CA)

A N T I G U A...BBC Relay

6155 0007 SS, good lvl, but not very stable, QSB in and out. IS to 0015, *0015. ID and beam given (to Latin Am), into nx (3/1 Palmer WA)
 6175 0150 EE, dance mx, ID, world nx (433 2/19 Dillon DC)
 0428 EE, pop mx, "Weekly Financial Review" (444 2/24 Miller CA)
 2300 EE, "Letterbox" (555 2/16 Card RI)

Deutsche Welle Relay

6040 0140 EE, science magazine show (544 2/25 Hunt NC)(454 2/27 Bingham MA)
 9545 0500 EE, nx, recorded anmt and mx (tech. difficulties), //5960 very weak (343 3/1 Klosowski FL)(444 2/7 Schlick WI)
 17810 2130 GG, mx, world nx (454 2/22 Miller CA)

A R G E N T I N A...Radiodifusion Argentina al Exterior

9690 0406 EE, tuned into long program intro, into nx and Argentine mx. Very informal program style. Booming sig here, but //11710 a good bit weaker (vg 3/12 Cereghin MD)
 11710 0150 EE, "Dxer's Special", into SS at 0200 (344 3/7 Rocker MS):0215 EE (434 2/25 Hunt NC):2330 SS to Eur/Afr/ME (242 2/15 Bowden CA)
 15345 2325 EE, cultural nx, mx, "New Argentine Cinema" (433 2/23 Gerstner NY)

B E L I Z E...R. Belize

3285 0100 EE, "The World at 7" in EE, followed by same in SS, also EE/SS wx rpts (323 2/18 Gerstner NY):0035, EE, PSA's, Health Dept. notices (333 2/10 Stuart OK) :0502 EE/SS (252 2/9 Welch MA)(343 2/23 May OH)(433 3/1 Speer CA)+2

B O L I V I A

4795.1 0115 R. Nueva America, tx, into mx, vocals ranchero style (nice sig and audio) 0141* w/full ID (343 2/24 Desrosiers MA):0300, ID "Radio Nueva America Musica!"(322 2/16 Heinen CO):0230*, no ID,mix of EZL and classical mx (pr 3/12 Cereghin MD)
 4876 0945 R. Cruz del Sur, canned relg px from Ecuador, into ?lang at 1000 (433 2/18 Huffaker MEX)
 4945 *0358 R. Illimani, caught s/off w/Bolivian mx, ID (3/1 Perdue AL)
 4965 0950 R. Juan XXIII, px of Indian mx before relg px, ID "Juan XXIII" at 1000. At 0955 "de 4965 kcs onda corta, 840 kcs onda media, la presencia en sur hogar, Juan XXIII, San Ignacio de Velasco, Departamento de Santa Cruz, Republica de Bolivia" (444 2/6 Huffaker MEX)

B R A Z I L

3325 0640 R. Liberal, lively Brasopops, ads, IDs w/freq and "Belem, Brazil" (333 2/25 Ross ONT)
 3365 0233 R. Cultura Araraquara, tent, mellow vocals mixed w/call-ins. Could not get ID before 0250 fade-out (211 2/28 Forsgren WI)
 3375 0951 R. Nacional, São Gabriel de Cacheoria, ID, into good Braz. mx (353 2/15 Trotto FL)(252 2/23 May OH)
 4815 0200 R. Nacional, Tabatinga, nice Brasopops w/lots of "Nacional" IDs (422 2/27 Forsgren WI):1110 (322 2/24 Weikel MI)
 4885 0300 R. Clube do Pará, lively Brasopops w/full ID at 0302* (433 2/10 Forsgren WI)(434 2/23 Bishop NY)
 4895 0435 R. Bare, LA mx, ID, tx (maybe nx)(343 2/9 Weikel MI)
 4905 1005 R. Araguaia, singing ID at 1007 (453 2/8 Hesch NY)
 4915 0501 R. Nacional, Macapa, LA mx, soft ballads, tx, ID (333 2/10 Weikel MI)
 4955 0255 R. Marajora, live coverage of Carnival, ID on the hour (322 2/19 Forsgren WI)
 4965 0139 R. Poti, rather nondescript PP vocals, ID at 0139 and got EE ID at 0157 "This is R. Poti, Natal" and PP "Aqui R. poti...", into the mush past 0200 (fr 2/15 Sheedy CA):0245, EE ID (same as above jc) (333 2/26 Forsgren WI) (maybe EE IDs are becoming a regular feature here? jc)
 4985 0240 R. Brasil Central, fading, static, but better than usual. Mix of several kinds of Braz. mx, mostly sambas. At 0259 call signs, freqs, powers for all outlets. 0300, short nx summary (3/1 Palmer WA):0600 (222 2/23 Schmutz NY)(322 2/27 Bishop NY)
 5045 2354 R. Cultura do Pará, conversational tx, into easy guitar instr. mx. ID at 0005 in PP, EE ID followed including freq and requesting reports from listeners. First time I've noted any EE from this one. Followed by soft vocals. Strong RTTY QRM (322 2/10 D'Angelo PA):0300* (453 2/20 Hesch NY)(444 2/17 Bishop NY):0820 (444 2/20 Huffaker MEX)
 5965 0250 R. Guaiba, fair, but badly splattered by RCI on 5960. The usual EZL format w/OM annncr. Frequent IDs for "R. Guaiba" and "Porto Alegre, Brasil". TPs at 0300, followed by nx headlines (2/25 Palmer WA)
 6125 0951 R. Globo, Carnival mx and tx abt "Carnival do Globo" (333 2/16 Huffaker MEX)

more BRAZIL

- 9585 0158 R. Excelsior, tent, very poor, barely above the noise lvl, band on the way out. Soccer match, no ID (3/1 Palmer WA)
- 9695 1216 R. Rio Mar, ad jingles, Braz pops, amnts, ID (fr/gd 2/7 Thunberg PA):1041 (333 2/24 Weikel MI)(343 3/2 Prath FL)
- 9705 0033 R. Nacional, Rio de Janeiro, "Esportiva Nacional" sx px. XERMX QRM (211 2/13 Forsgren WI)
- 11745 0245 Radiobras, EE, NF, coming in well, dominating this freq. Usual Braz. mx, stamp px (vg 3/24 Cereghin MD)(555 3/5 Rocker MS):0210 EE (343 2/13 Goodman IA):0145 SS (544 3/4 Mendez NJ)
- 11780 2015 R. Nacional da Amazonia, many ads, Brazoballads (I just made that word up, it stands for Brazilian ballads, jc), pop mx, ment of RNdA, Brasilia, greetings to YL listeners (444 2/18 Dillon DC):2342 (2/28 Chituck MD) (555! 2/15 Friberg NH)(444 2/20 Hunt NC)(555 2/11 Schlick WI)(444 2/14 May OH)(Remember, all broadcasts out of Brazil (except for external services) are in Portuguese, NOT Spanish jc)
- 11805 0145 R. Globo, ID, ads, fast-talking ad for supermarket, QRM/N (333 3/4 Mendez NJ)(3/1 Palmer WA)
- 17755 1755 R. Surinam Int'l via Radiobras, DD, mx, ID, into tx on industry in Surinam (242 3/4 Speer CA)

C A N A D A

- 6005 1359 ..the regional stations
CFCX, Montreal, EE, ID "CFCF 60 Radio, Montreal", nx, ad for jewelers, wx, financial rpt, ski rpt, pop mx (353 2/12 Bingham MA)
 - 6070 0823 CFRX, Toronto, EE, ID "Shortwave station CFRB", then back to talk show/ phone-in px. Very poor under open carrier (211 2/19 Cooper CA):1452 (333 2/28 Sharp FL)(433 2/16 Dillon DC)(333 2/12 Bingham MA)
 - 6130 1200 CHNX, Halifax, EE, ID "CHNS, 1st w/nx in Nova Scotia", nx, ad for Dartmouth Home Video Stores (222 2/23 Bingham MA)
- Canadian Broadcasting Corp.
- 6065 1345 Northern Quebec SW Service, EE, pop mx, tx on "Water Baby" class to teach babies to swim, ID, 1400* (333 2/16 Dillon DC)(454 2/12 Bingham MA)
 - 6195 0525 NQSWs, EE, class. and jazz mx (very good), ID, nx, wx, 0610* (444 2/8 Trotto FL)
 - 9625 2230 NQSWs, EE, CBC Regional nx, moderate QSB (141 3/4 Bowden CA):1245 (434 2/23 Trotto FL)
 - 11720 2300 NQSWs, EE, disc. on the environment, slight/moderate QSB (242 2/24 Bowden CA)
 - 15285 1530 NQSWs, tent, ?lang, tx, interviews in strange lang. Not //11720 as listed in WRTH85. WRTH84 listed this freq. TPs at 1600 and nx. Any ideas? (I don't think this is CBC, but I don't have any other ideas jc)(554 2/10 Chickere11 WV)

R. Canada Int'l

- 5960 0300 EE/FF, nx, special 40th anniversary px w/history of RCI (444 2/26 Klosow-ski FL)
- 9755 2300 EE, Carib. Svc., wld nx, 40th Anniversary Show (444 2/25 Bingham MA)+1
- 0210 EE, 40th Anniversary Show (333 2/26 Bishop NY)
- 9760 2230 EE, tx abt crime in New York City, slight/mod QSB (242 3/1 Bowden CA)+1
- 11905 2000 EE, tx abt experimental vegetable growing (242 2/27 Bowden CA)
- 11945 2115 FF, nx, into EE nx (434 2/11 Lord CA)(343 2/18 Bowden CA)
- 15150 2200* EE, "SWLD" (333 2/23 Bingham MA)
- 15260 1820 EE, "Spectrum", African Svc. (343 2/7 Bingham MA)
- 1930 EE, disc. on UNICEF (343 3/4 Bowden CA)
- 15325 1900 EE, nx, wx, preview of upcoming px (454 2/11 Bingham MA)
- 2130 EE, world nx (343 2/15 Bowden CA)
- 17820 1440 EE, "Sunday Morning" (454 2/10 Bingham MA)
- 1740 GG, Canadian nx (555 2/15 Scheel IA)
- 17875 1900 EE, nx, wx (333 2/7 Bingham MA)
- 2000 FF/EE, "Canada This Week" (444 2/24 Klosowski FL)



C H I L E

- 15140 1445 R. Nacional ID "Musica y informativa en R. Nacional, 24 horas..." then into mx. Excellent reception today! (555 2/28 Sharp FL):2330 (455 3/5 Rocker MS)(333 3/4 Weikel MI)

C O L O M B I A

- 4865 0408* LV de Cinaruco, s/off w/full ID and NA, unusually good tonight (444 2/12 Huffaker MEX)
- 4945 0130 CARACOL Nevia, soccer game, ments of National League's new players (333 3/4 Mendez NJ):0511 (333 2/10 Weikel MI)
- 5040 0155 R. Cinco, LA mx, ID, R. Cinco jingles (433 2/17 Bishop NY)
- 5095 0502* R. Sutatenza, exc. lvl and clear. No QRN, but always UTE CW QRM on 5097. Last night, 0502* w/NA. Tonight was on past 0550 w/usual programming. Since this date have hrd much later. Usually, this one has signed-off at 0400. Some sources say they are on 24 hours. (that's what I've hrd, and they have been reported as late as 0744 jc)(2/10 Palmer WA)+8

C O L O M B I A...continued

- 5938 1102 CARACOL Correno, CARACOL IDs and "CARACOL Correno" IDs, w/usual AM-type amnts. Snappy Latin tunes and ballads. Reportedly, they changed their name LV de Marandua (sp?), but no such IDs or mentions were heard (fr 3/12 Cereghin MD)
- 5962 0842 LV de los Centauros, IDs, TCs and dedications w/very little mx (333 3/1 Huffaker MEX)
- 5975 1210 R. Macarena, IDs and promos w/freq, nx, then soft LA pops (333 2/20 Wegner TX):1210 (444 2/24 Prath FL)
- 6075 0130 R. Sutatenza, SS or PP (SS more likely jc), able to decipher "Esta es Radio Sutatenza" ID, using plenty of reverb followed by some sort of cmnty or nx program (222 2/17 White KS)(the next time someone hears this, check to see if 5095 is in parallel, okay? I'm just curious jc)
- 6120 0702 LV de Huila, many Super IDs, LV de H ID's on the 1/2-hour, TCs "en la internacional..." and to add to the confusion, llano tourism promo at 0748 (434 3/1 Huffaker MEX)

C L A N D E S T I N E... (misplaced, this hasn't been a good week for me, hi! jc)

- 3635.6 0330 R. Venceremos, SS, anti-anti tx (? jc), revolutionary mx, Latin vocals, suddenly off at 0350, IDs (232 2/23 Desrosiers MA)(first report of this 75-meter freq, good catch! jc)
- 5550 0557 R. Venceremos, marshall mx, shouting "R. Venceremos en Nicaragua!", NA? by choral group and abrupt 0559* (343 2/24 Thompson CA)
- 5555.4 0512 R. Quince de Septiembre, SS, //5580, lots of revolutionary tx, good sig and audio on 5555.4 //5500 not as good "Communistas" tx, "Attention Nicaragua", ect...(344 2/24 Desrosiers MA)
- 6200 2236 R. Sandino, SS, high-spirited tx, anti-Nicaraguan propaganda (444 2/5 Rocker MS)
- 6230 0017 R. Monimbo, SS, EZL vocals, followed by ID and brief cmnty/tx mentioning Nicaragua. More mx, upbeat Latin pops, went silent at 0034 for 2 minutes, but returned by ID "La Voz de Democratica Libertad, R. Monimbo" (242 2/11 D'Angelo PA)
- 6305 0617 LV del CID, SS, nx, "La Voz de Cuba democratica" mentioned. Vocal mx (433 2/20 Scheel IA)
- 9940 1647 LV del CID, SS, US pops, then tx w/ments of "Libertad!", then more Top 40 hits. Coming in as good as local Tampa BCB (555 2/28 Sharp FL)

C O S T A R I C A

- 4832 0657 R. Reloj, vocal mx, //6006 (343) but 4832 was better (555 2/20 Scheel IA): 1125 (333 2/16 Dillon DC):2032 (253 2/26 Sharp FL)
- 4850 1135 R. Columbia, wld nx, ID, correspondents reports, TC, station jingle, musical ads (433 2/16 Dillon DC):0440 (433 3/1 Speer CA)
- 5055 0349 Faro del Caribe, EE, "Moody Bible Institute", co-channel w/TWR-Swaziland at 0357 (222 2/23 May OH)
- 6006 1507 R. Reloj, "Informe el periodico" jingle, ID as "R. Reloj de Costa Rica", local TC and nx (343 2/28 Sharp FL)
- 6150 1822 R. Impacto, EZL ballads, tx, ments of "Impacto" btwn songs, good sig, but occasional deep fades like on BCB (333 2/25 Sharp FL):0140 (322 2/17 White KS):0330 (433 2/23 Hunt NC)
- 6075 0238 R. Rumbo, fading slowly between 444 and nothing during magnetic storm, overacted drama of campesinos fighting for water rights (2/28 Huffaker MEX) (yeah, I know, out of order, sorry! jc)
- 6175 1328 Faro del Caribe, relg px to 1329, them ID, increased power here? (they are listed at 2.5 kw, but no increase that I know of jc). First time hrd here for me (242 2/28 Sharp FL)

C U B A...R.

- 6135 0344 EE, "Focus on Latin America" (555 2/12 Schlick WI)(not on 6140? jc)
- 6140 0350 EE, wld nx, Cuban sx (423 2/6 Lord CA)
- 0415 EE, very interesting nonpolitical px abt history of the silent film "Napoleon", then LAm mx px (433 2/12 Wegner TX)
- 9525 0742 EE, "Musical QSL" (555 2/15 Scheel IA)(555 2/20 Schlick WI)
- 9730 0800 throwing spurs every 30 khz up and down 31mb ala report of 4765 doing the same on 60mb in December (555 2/18 Heinen CO)
- 11710 2240 Quecha, instr mx, vocals, tx, IDs, piano mx, nx, IS, into SS at 1300 (454 2/28 Thompson NM)
- 11725 0100 EE, nx abt Israel and Lebanon, very poor sig (141 2/15 Bowden CA)
- 11850 2100 EE, "Mailbag", a good px for the philatelic group (242 2/18 Bowden CA)

R. Moscow Relay

- 4765 0330 Mayak, RR, OM w/monotonal jawing, only excitement was at 0405 when Spyner Alfa came on this freq for a few minutes, trying to make a radio check with Nucleus Alfa (444 2/10 Margolis IL)

C U B A...R. Moscow Relay

11840 1853 EE, WS px of "Music at your Request", quite good listening, mx by USSR Air Force, nice for a change (444 2/23 Soomre MA)

R. Rebelde

5025 1230 SS, tx, LA mx, jingles (242 2/16 Weikel MI)

D O M I N I C A N R E P U B L I C...R. Clarin

11700 1950 R. Earth Relay, EE, Rudy and Jeff are still around, but just barely! (233 3/3 Gray MI):2310* (353 2/10 D'Angelo PA)(332 2/10 Schlick WI)

E C U A D O R

3280 1123 LV del Napo, soft-spoken OM anncr w/1cl TC and ID, then Andean-style ballads and promo for mx px. S/off or fade-out by 1132 (322 2/16 Wegner TX)

3380 1009 R. Iris, singing TCs, commercials, ID, QRM de slow CW (433 2/23 Hesch NY) (444 2/23 May OH):0150 (323 2/12 Desrosiers MA)

4792 0621 Emisora Atalaya, TCs "...Emisoras Atalaya" (343 2/17 Huffaker MEX)

4820 0055 R. Paz y Bien, EZL mx, ID at 0100 into nx w/ments of Presidente Reagan, and of Cuba (gd 2/22 Thunberg PA)

4920 0135 R. Quito, sx, harsh commentary about a manager's actions during soccer game, fell short of calling the man incompetent and stupid! (433 3/4 Mendez NJ) 2350 (444 2/24 Schmutz NY):0445 (322 3/3 Speer CA)+2

4960 1050 R. Federacion?, presumed in Quecha. Indian-type chants, tx, 1100 Andean flute mx, then Ecuadorian mx (3/6 Perdue AL)

4975 1017 R. Tarqui, the mx was Northern Mexico, the DJ talked a lot, but no ID (333 2/14 Huffaker MEX)

5040 0121* LV de Upano, relg px and final ID (a lot of sig tonight)(444 2/25 Huffaker MEX)(this station seems to sign-off around 0130-0200, not at 0500-0600 they announced in Dan Sheedy's log last month jc)

5050 0115 R. Jesus del Gran Poder, ID, 0113*, heavy QRM/N, NA, very weak sig (322 3/4 Mendez NJ)

5055.3 0150 R. Catolica Nacional, the rosary in SS, then prayer. Full ID on the hour, then into tx. Ment of Quito (333 2/28 Desrosiers MA):0308* (353 2/28 D'Angelo PA)

5063 0949 R. Nacional Progreso, "Buenas Dias, Amorados", full ID at 1956 (343 2/14 Huffaker MEX):0325 (211 2/10 Forsgren WI)

HCJB

3220 0432 SS, soft mx, Christian mx, tx, ments of Ecuador (433 2/26 Speer CA)(333 2/17 Desrosiers MA):1030 (444 2/23 May OH)

6095 0448 EE, "Happiness Is" (545 2/24 Miller CA)

0531 EE, "Passport", Latin American nx (353 2/15 Bingham MA)(444 2/23 Bowden CA)

6130 1026 EE, "Passport", "Science Digest" (333 2/26 Bingham MA)

6140 0233 EE, "DX Party Line" (454 2/28 Bingham MA)

6205 0728 EE, end of "Guideline", TC at 0730 (333 2/15 Scheel IA)

9745 *0035 EE, nx, "The Way to Life" (454 2/13 Welch MA)(333 2/7 Bingham MA)

0100 EE, rpt on Christian church in Rangoon, Burma (343 3/2 Bowden CA)

0230 EE, "DX Party Line" (444 2/14 Soomre MA)

0639 EE, "DX Party Line", 0700* (555 2/14 Schlick WI)

9870 0420 RR, strong, no QRM/M at all. Carrying RR relg px, European beam. Sked 0200-0500 per their D-84 sked. They also showed 11835 (barely audible here) and 9655 (completely vacant), so this freq is a replacement for 9655. TPs and "Golos Ahnd" ID. Also hrd 0235 (2/10 Palmer WA)

11740 1229 EE, "Happiness Is" (333 2/17 Bingham MA)

11900 *2200 Quechua, ID, Indian choral mx, tx, quote from Corinthians. //9745 (333 2/16 Dillon DC)

11910 0530 EE, "Passport" (141 2/25 Bowden CA)

0615 EE, "Passport", "DX Party Line", //6095, 9745 (544 2/7 Schlick WI)

15115 1500 EE, nx summary, "Shalom", "Your Time" (333 2/14 Bingham MA)

15155 0113 EE, "Passport" (454 2/15 Bingham MA)

15250 0030 EE, "Thru the Bible" (333 2/20 Bingham MA)

15295 1923 EE, "Sugar and Spice", "Passport" (454 2/13 Bingham MA)

2140 EE, "DX Party Line" (544 2/20 Hunt NC)(555 2/18 Card RI)

15600 2300 GG, EE ID, anncd 15280, but not found there. Test freq or new 00B freq?(I can't this freq reported anywhere, so it may be a new freq jc)

17790 1930 EE, "Passport" (343 2/5 Bingham MA)

17890 1529* EE, "Shalom", 1529* (454 2/12 Bingham MA)



F A L K L A N D I S L A N D S...FIBS (big item this month)

3958 *0859 EE, s/on w/instr mx to 0859:40, "This is FIBS, the Falkland Islands Broadcasting (Station?)." Notes on upcoming px, BBC nx, local wx rpt, local TCs as GMY-3, and the "Breakfast Show" commenced at 0908. Increasing QSB to uncopiable sig at 0931 (353 2/11 Hardester CA):0501, BFBS px, 0527* (222 2/13 Wegner TX and 333 2/18)(323 2/23 Heinen CO):0745, open carrier to 0800, audio on 2380 also, but not sure if Stanley (354 2/14 Sharp FL):0527* (222 2/14 Carlson WA)

F R E N C H G U I A N A...R. France Relay

9790 at 0418 in EE is via France jc
 11670 0322 EE, nx, QRM from 11675 (333 2/24 Bishop NY)
 17620 2250 FF, tx (355 3/3 Rocker MS)

G R E E N L A N D!!!...Kalaallit Nunaata Radio

3999t 0959 Greenlandic, celesta IS to 1002, then tent ID and into tx. UTE on 4000 really plays havoc here, rarely is this one hrd in the clear (if the local ARO's would just take a morning off, I'd give this one a try jc)(212 2/15 Sharp FL)

G U A T E M A L A

3300 0408 R. Cultural, EE, "Songs in the Night" w/prayers and organ mx, end of EE px at 0429, gave times and freq, then "Music from Guat. City" (322 2/17 Friberg NH):0100, SS (322 2/18 Ross ONT)(323 2/17 Gerstner NY)+3
 3325 0030 R. Maya, SS/Indian, relg tx w/ID and address at 0050 (422 2/19 Forsgren WI) :0220, Indian (444 2/26 Thompson NM)
 3360 0130 LV de Nahuala, ID, tx, orch mx (343 3/2 Thompson NM)
 3370 0205 R. Tezulutlan, mostly uninterrupted marimba mx. Quick ID 0205, some QRM from SS SSB ops. Off suddenly w/no amnt at 0223 (222 3/1 Schmautz NY)+1
 3380 0130 R. Chortis, orch. mx, tx, ID (444 2/28 Thompson NM)
 4835 0300 R. Tezulutlan, preparations for a demonstration, "Lights, Action, Camera" (I always thought it was "Lights, Camera, Action", hi! jc) a couple of times, background noises in an open mike, then OC (444 2/17 Huffaker MEX)

H A I T I...4VEH

4930 0154 FF, classical mx (433 2/22 Bishop NY):1145 (454 2/16 Dillon DC)

H O N D U R A S

4820 0130 ID, Christian hymns, Bible message (444 3/3 Thompson NM)

M E X I C O

2390 1230 R. Huayacocotla, instr. mx, amnts by YL (454 2/27 Thompson NM)
 5980t 1847 XEUJ, nothing but OM tx, but too weak to catch ID, Mexican reception possible here all day on 49 meters, so a possibility (vpr 2/25 Sharp FL)
 9425 2345 R. Mexico Int'l, mx, tx, IDed as R. Mexico Int'l, modulation very distorted. Not on 9705 (433 2/20 Trotto FL)
 9514.9 1403 LV de la America Latina, deep fades. As high as S-2 at peaks, clear "out" during fades. Relaying XEW "LV de la America Katina" for which it announced (XEW is their 100kw outlet on 900 khz in Queretaro jc). Programming: nx, comm. Not very stable, slight drift, but noticeable in ECSS mode (2/22 Palmer WA)
 9680.4 this one appears here AMS around greyline time and PMs after the band starts to go out for the evening. AMS, the usual type of AM programming hrd here in North America w/lots of tx, ads, etc. Evenings, mostly Mexican mx. It IDs variously as "La 'Q' de Mexico", "La 'Q' Mexicana", for mw outlet XEQ, and gives freq as "novecientos cuarenta" (940). A quick calculation shows this is not a harmonic of 940, but is certainly relaying mw XEQ (3/4 Palmer WA)
 11770 1431 R. Mexico Int'l, going under as sun rose. Deep QSB, inaudible at times, then up to S-2/3. Marimba mx. ID "Ustedes son en sintonia con R. Mexico Internacional", then mariachi and campesino mx (2/26 Palmer WA)
 15176 0310 LV de la America Latina, call-in px, promos and ID at 0315, booming sig, surprisingly so, as 19 meters was almost totally dead this night (454 2/12 Wegner TX)

M O N T S E R R A T...Deutsche Welle Relay

9545 0138 EE, "People and Places", ID, s/off amnt w/transmitter site (444 2/8 Trotto FL)

N E T H E R L A N D A N T I L L I E S...R. Netherlands Relay

6020 *1030 EE, Carib. svc., "The Wednesday Report" (454 2/6 Bingham MA)
 2344 SS, good lvl, deep QSB, mx, ID (2/28 Palmer WA)
 6165 0230 EE, wld nx, "Newline", "Wed. Report" (555 2/14 Wimmers VA)+3
 9590 0325* EE, review of sx hilites and Dutch football (454 2/7 Bingham MA)
 9715 0530 EE, cmnty on value of US dollar on international money markets (242 2/16 Bowden CA)
 9650 1125* EE, tx abt Pope's visit to the Netherlands (454 2/6 Bingham MA)
 17605 1425* this is via Flevo, Holland jc



Trans-World Radio

11875 1327 EE, "Children's Bible Hour", "Focus on the Family" (454 2/9 Bingham MA)
 2354 PP, mx, tx, soft piano mx, fading, QRM from time to time. Possible ID at 0000 (233 2/15 Chickereil WV)
 15355 2300 PP, IS, s/on (555 2/23 May OH)

N I C A R A G U A

6015 0402 VONicaragua, EE, nx headlines, carrier at 0416 (3/3 Jones TX):0130 EE (444 2/27 Bowden CA):(433 2/20 Scheel IA)(434 2/9 Welch MA)
 6120 *1103 R. Zinica, NA, ID, vocal mx w/ID and TCs btwn selections (232 3/3 Welch MA)

N I C A R A G U A...continued

6200 0150 R. Sandino, ID "R. Sandino, la emisora de la Vanguardia", baseball game. Ad "Pay your taxes", political cmnty (433 3/5 Mendez NJ):1233 (332 3/3 Welch MA)

P A R A G U A Y...R. Nacional

9735 0100 "Covreo del Ogente" px, mx-Guarai lang. Good, clear sig, letters from SWLs (mainly from South America" (544 3/4 Mendez NJ)

P E R U

3310 1038 R. Bagua, px "Saludos Campasinos", full ID at 1100 (343 2/14 Huffaker MEX)
 3320 0357 R. Estrella del Sur, tent, surprisingly good sig on a good Latin night, slop from 3325+RTTY. No ID, but Cañete mentioned. Px seemed to consist of religious tx w/occasional organ-mx interludes. (fr 3/13 Cereghin MD)
 4790 0310 R. Atlantida, ID, station promo at 0313, LA nx, ads (222 2/20 Wegner TX)
 4810 0310 R. San Martin, lively Peru/LA mx, pulled plug at 0330, ID (232 2/20 Witte CA)
 1201, (222 2/12 Wegner TX)
 4935 0926 R. Tropical, ID "R. Tropical, la mas ponderosa en Tarapoto" (343 2/16 Huffaker MEX)
 5010 1014 R. Eco, special horoscopes for Valentine's Day (444 2/14 Huffaker MEX)
 5030 0311 R. Los Andes, lots of LA mx and ads (433 2/17 Bishop NY)
 5274 0102* R. San Juan, caught bits and pieces of ID, but enough for a positive ID, including ments of Chota. Blend of traditional OA ballads and Latin pops, with amnt after each song. NA and 0102* (pr 3/10 Cereghin MD)
 5444 0445 R. Imagen, varied LA selections, from Colombian styles to Andean flutes-accordion stuff. IDs in passing as "En Imagen..." at 0451, 0515, 0526 (fr 2/10 Sheedy CA) MEX)
 6115 0880 R. Unión, px "Buenas Dias, Peru", IDs at 0830 and 0900 (333 2/14 Huffaker
 8924a 0145 R. Continente, light, mediocre "LA" mx, TCs after every 2-3 selections. Ad string 0159-0208, ID as "desde Juanjui...departemento de San Martin...esta en sintonia con R.C. 8900 khz en onda corta..." (fr 2/28 Sheedy CA)

P I R A T E S

5020 0224 Unid Pirate, EE, tuned into "You are listening to a 50-watt test transmission on 5020 kcs", then into a "The Shadow" px, no ID what-so-ever. Very strong and clear (544 2/26 Forsgren WI)
 7422 0401 KRZY, EE, James Bond mx, IDs, 0406*? Very weak (211 2/17 Smolinski MD)
 7430 2359 KRZY, EE, started unannounced w/rock mx played molto blasto, ID at 0003. Usual shenanigans, ran into some type of problem at 0100 causing it to leave the air prematurely. Maybe FCC pulled its plug? (no, they have been reported since you heard them jc)(555 2/15 Margolis IL):2211* (322 3/3 Smolinski MD):0030 (2/8 343 Trotto FL)
 2348 WIMP, EE, rock mx, "Pirate Radio News". Had to strain to hear this bcst which not only was weak, but met QRM from KRZY tuning its xmtr and QRN "Ocean Surf" noise. Gave usual Battle Creek address. Became inaudible by 2357 (232 2/15 Margolis IL)
 7435 2307 KROK, EE, oldies mx, ID, 2331* (444 2/23 Smolinski MD)
 2032 KRZY, EE, mx, Battle Creek address, 2201* (433 2/24 Smolinski MD)
 13681 2100 KRZY, EE, via tip off DX Newslne, Weak sig, this freq above MUF made for poor sig. Usual dull, boring rock mx, request show. Said would also be teesting on 6252. EST TCs, 2123* (pr 3/9 Cereghin MD)

U N I T E D S T A T E S...AFRTS

6030 0030 EE, "Computers in Life", ID (444 2/25 Langlois GA)
 0543 EE, "Army News", AP nx (443 2/7 Schlick WI)
 6140 1330 EE, TC w/WV, ABC nx, ΔP nx, ID (444 2/23 Shimada JP)
 9700 1530 EE, NBC nx (242 3/2 Welch MA)
 15345 2124 EE, cmnty w/Paul Harvey (555 3/5 Allen CA)

KGEI

15280 2130 EE, "Haven of Rest" (444 2/13 Gerstner NY)

United Nations R.

15120 1900 EE, "Only One World" (343 3/4 Bowden CA)
 17730 2130 EE, "Caribbean Magazine Show" (242 3/1 Bowden CA)

Voice of America

5995 0327 EE, "Jazz Hour" (544 2/12 Schlick WI)
 6020 0552 FF, rock mx (555 2/15 Scheel IA)
 6030 0030 EE, "What's the Issue?" (444 2/23 Bowden CA)
 6125 0600 EE, world news (444 2/16 Bowden CA)
 9450 0150 EE, sx, echo (444 2/14 Stuart OK)
 9525 1345 SS, world nx (443 3/4 Miller CA)
 9550 0648 EE, "Daybreak Africa" (344 2/7 Schlick WI)
 9670 0600 EE, world nx (343 2/25 Bowden CA)
 11740 0000 EE, tx on US/New Zealand and ANZUS (342 3/2 Bowden CA)



UNITED STATES...WINB

15185 2115 EE, relig px w/exc. mx selections, call for financial help for Africa (242 2/27 Bowden CA):2225 (454 2/16 Prath FL)

WRNO

6185 0343 EE, World-wide dedication show, ad for EEB (353 2/7 Bingham MA)
 7355 0210 EE, tx on littering and the problems with landfills (343 2/16 Bowden CA)
 9852 0033 EE, college basketball- LSU vs. Florida (454 2/24 Bingham MA)
 2336 EE, ads, rock mx, (555 2/14 May OH)
 11890 2232 EE, CBS nx, jazz mx (555 2/11 Addison KS)
 11965 1410 EE, "World of Radio", EEB ad (454 2/10 Bingham MA)
 15420 1700 EE, rock mx, wx, ad for Sears (454 2/22 Bingham MA)
 2005 EE, rock mx, "Disk and Data" (354 3/3 Rocker MS)

WYFR

5985 *0600 VOFree China Relay, EE, wld nx, ID, freqs/times, cmnty, "Fu Pei Mei's Mandarin Kitchen" (555 2/9 Neuverth CO)
 6065 0045 VOFC Relay, CC, ID (444 2/25 Langlois GA)
 0310 VOFC Relay, EE, discussion w/American congressmen who have recently visited Taiwan. Freq and time not in WRTH-85! (433 2/14 Duncan NC)

URUGUAY...R. El Espectador

11835 0020 many US oldies plus FF, LA songs, nice px (333 2/20 Witte CA)

VENEZUELA

3225 0005 R. Occidente, US pops w/SS lyrics, ID, ads for establishments in Tovar (322 2/25 Schmutz NY):1007 (444 2/23 May OH)(454 2/16 Thompson NM)+2
 4780 0004 LV de Carabobo, mixture of ballads and fast-paced Latin mx. Numerous "LVdC" IDs, TCs, ads (343 2/10 D'Angelo PA):0937 (444 2/8 Hesch NY)(Speer CA)
 4830 0145 R. Tachira, ID "R. Tachira la Popular", LA ballads, ID after each song, great sig (454 2/25 Dillon MD):PSAs notifying persons/relatives about hospitalization and conditions of patients (333 3/4 Mendez NJ):1100 (333 2/24 Weikel MI)(434 2/23 Bishop NY)
 4850 *0905 R. Capital, signing on w/NA and ID (343 3/1 Huffaker MEX):0125 (444 2/13 Thompson NM)
 4900 0125 R. Juventud, EE rock mx, QRN, petitions from local listeners (333 3/4 Mendez NJ)
 4970 0345 R. Rumbos, ID, LA mx (343 3/4 Goodman IA):0125 (454 2/26 Thompson CA):1200 (233 2/16 Dillon DC):(434 2/22 Bishop NY)
 4980 0215 Ecos del Torbes, ID, LA mx, TC for 10:24 PM (GMT-4? jc) ID "Ecos del Torbes" and "R. El Sol", lottery ads (Tachira lottery" (444 3/5 Mendez NJ):0145 (444 2/27 Thompson NM):0402* (343 3/4 Goodman IA):1210 (343 2/16 Dillon DC)
 4990 0153 R. Barquisimeto, LA mx (333 2/19 Bishop NY)(444 2/19 Thompson NM)
 6180 1230 R. Turismo, upbeat LA mx, IDs after songs by loud OM (242 3/3 Prath FL)
 9660 0200 R. Rumbos, LA mx, ID (444 2/25 Hunt NC):1230 (343 2/16 Dillon DC):1830 (433 2/25 Sharp FL)(444 3/5 Speer CA):/4970 (434 2/25 Rocker MS)

UNIDENTIFIED

4955 1106 Andean flute tune, YL in lang w/SA nx, short flute breaks. QRN/QSB (3/6 Perdue AL)(maybe the Peruvian, R. Cultura Amauta? jc)
 5035 0208 SS, C&W mx and US pop mx (322 2/17 Bishop NY)

GUIDE TO LATIN AMERICAN DXing UPDATER NUMBER 2

COLOMBIA...R. Sutatenza, 5095, now running 24 hours
 ECUADOR...R. Catolica reported on 4176, //5055 at 1140 (Sams, OMDXC via SPEEDXGRAM)
 SURINAM...R. Apinte, 5006 reactivated in early March (DX Newsline)
 PERU...R. San Juan de Chota, 5274, 0100* (Cereghin MD)
 BOLIVIA...R. Nueva America now on 4795 ex 4797
 COLOMBIA...CARACOL Correno, 5938, may have changed their name to LV de Marandua (sp?)
 FALKLAND IS....FIBS, 3958, noted on as early as 0800, and noted 0530*
 PERU...R. Imagen noted on 5444 at 0451-0530 (Sheedy CA)

I've discovered an error in my Guide to Latin American DXing, on page 9 at the bottom. You'll notice in the Spanish number section, seiscientos does not equal 700!, and "sietecientos" is missing, which stands for 700. Please make the following correction...

seiscientos (sayees-see-en-tohs) 600
 sietecientos (seeay-tay-see-en-tohs) 700

On World of Radio, heard on 3/17, Glenn Hauser announced a whole mess of frequency changes for 49-meter Brazilian stations. These changes will void the 49-meter Brazilian entries in the SGLADX station list. Included below is a list of these changes. Due to space shortages on this page, refer to the next page!

BRAZILIAN FREQUENCY CHANGES

New Freq	Station	Old Freq	Power (kw)
5965	R. Rio Grande do Sul/ R. Pampa	6080	1
5975	Ceara R. Clube	6145	5
5980	R. Guaraja	5975	10
6000	R. Guaiba	5965	7.5
6010	R. Inconfidencia	6000	25
6020	R. Educ. da Bahia	6025	10
6020	R. Gaucha	6135	7.5
6030	R. Tupi	6115	10
6040	R. Clube, Paranaense	6045	7.5
6050	R. Guarani	6175	10
6060	R. Universo	6020	10
6070	R. Capital	6195	7.5
6080	R. Jornal do Comercio	6085	15
6090	R. Bandeirantes	6185	10
6105	R. Globo	6035	5
6120	R. Globo	6125	7.5
6135	R. Aparecida	6010	7.5(25?)
6150	R. Record	6055	7.5
6175	Radiobras	----	250

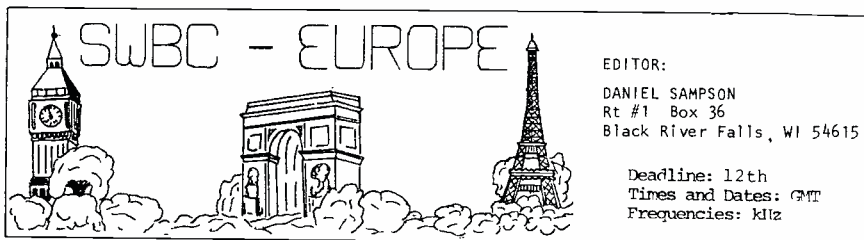
I don't know when this new frequency plan will go into effect, but it surely won't be all at once. I may have missed a station or two as well, so we'll have to do some serious listening during the following months. But this is just great; these changes void a good portion of the station list in the Guide! A curse on the Brazilians, hi!

I got a letter from a member asking me why he didn't see all the logs he sent me in print. Some seemed to be missing, he told me. Well, I assume it's no secret to anyone that I don't print every log sent into me. Some logs get thrown out upon arrival due to missing data (station, freq, date...), or tardiness (the log is too old) or sloppiness (I can't read the log!). Every month, I toss out about 10% of all the logs I get for one reason or another. In deciding which logs get printed, I'll usually print the most informative report over a less-informative one. If I have a large number of reporters of a single station and all of them say virtually the same thing, I'll print a few logs, then signify the other remaining logs with a plus sign, with the number of affected logs. But sometimes disaster strikes, and I'll just outright misplace the log (as I did to Dan Sheedy's log last month, but he forgave me. What a guy, hi!). I usually tend to misplace or overlook logs that aren't on the standard-sized report form.

That's another thing. Out of 63 reporters this month, 9 used non-standard-sized forms. Some used whole letters, some used postcards, some used forms that were either too wide or too thin. Using the wrong-sized form can really play havoc on my sorting of logs each month. Usually, I'll smile favorably upon the reporter who makes my life easier by using standard-sized forms when reporting. Now I understand that sometimes, you've picked-up so much dope on a station that you just can't fit it all on one form. That's fine! Just staple a few forms together, or do whatever you need to do. But come on you nine, how about helping me out a bit next month?

No one has complained yet, but I better air my thoughts about editing those "common-station" logs (a la HCJB, VOA...) before someone lets me have it. On those commonly-heard stations, all you really need to report is the name of the program you heard. You don't really have to go into minute details about what was heard on the program. Save that for a QSL report. In a loggings bulletin, lengthy reports like that just aren't needed. If you inspect these logs this month, you'll see the genre I use. I just usually pick out the program name you heard, and include that. Now on the other, less-heard stations, the more details the better! But otherwise, just the name of the program will do, unless there is something unusual about that broadcast (new frequency, new transmission, etc.).

Whew, a nine-page column! My longest ever! Next month, I have up to 8 pages, so contribute often and early next month. In the meantime, don't do anything I wouldn't do, and I'll CUN 30.



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Deadline: 12th
 Times and Dates: GMT
 Frequencies: kHz

With Konstantin Chernenko's death and the arms talks in Geneva I hope you have been listening to the BBC, R. Moscow and Swiss Radio International this month. Reports of what you have been hearing will be appreciated. The only countries not reported this month are Ireland and West Berlin and I had a total of 63 contributors. I see you have been making good use of your 1985 World Radio TV Handbooks!

- ALBANIA Radio Tirana
- 5020 0445 Gjirokaster Albanian; lively Alb. folk mx, brief anmts, ID (fr 2/22 Cereghin-MD)
- 0535 Gjirokaster Albanian; folk songs, even picked up on my Kenwood R11 (444 2/8 McKeon-IN)
- 6200 0330 RT EE; pgm on preserving Albanian lang & culture (544 2/14 McKeon-IN)
- 7065 0000 RT EE; nx, Review of the Albanian Press, trilling comtry as usual (333 2/15 Sable-NY)(Bingham-MA)
- 7080 0650 RT EE; // 9500, YL w/comtry (322 2/15 McKeon-IN)
- 7090 1946 RT Greek; ID, brief tlk, Alb. folk mx, // 6200 not hrd (pr 2/21 Cereghin/
- 7120 0230 RT EE; new disagreements on the European Common Market, // 9750 not /MD) hrd (very gd 2/24 Cereghin-MD)
- 7300 0335 RT EE; tlk on nat'l heroes during Communist overthrow (544 3/5 Rocker-MS)
- 7310 *0700 RT Polish; IS, NA, ID by YL, nx? (333 2/11 Trotto-FL)
- 9375 1948 RT Polish; tlk, ID, // 7310 very wk (fr 2/21 Cereghin-MD)
- 9430 1950 RT PP; mainly tlk, ID (fr 2/21 Cereghin-MD)
- 2310 RT SS; nx, political comtry, to Europe (443 2/16 Prath-FL)
- 9480 2215 RT EE; tlk of railway network, power supplies, mx (454 2/1 Hunt-NC)
- 9500 1941 RT EE; comtry abt Albania (222 2/19 McKeon-IN)(Cereghin-MD)
- *2300 RT PP; s/on anmts for SAM (454 2/20 Welch-MA)
- 9760 0130 RT EE; // 7120 better, wld nx, comtry on architectural studies in Albania, listeners letters answered, discussion of signature song "with a pick in one hand and a rifle in the other" beginning each external b/c (434 2/15 McKeon-IN)
- 9790 0215 RT Albanian; folk mx, comtry, virtually continuous mx from 0234, // 7300 & 6200 (433 2/15 McKeon-IN)
- 11960 1245 RT EE; pgm abt historical/archaeological sites in Albania (433 2/16 Wegner/TX)
- AUSTRIA Österreichischer Rundfunk
- 5945 0130 ORF EE; IS, Austrian wx, regular feature on Austria and the United Nations (433 2/13 May-OH)(Addison-KS)(Blshop-NY)(Hunt-NC)(Bingham-MA)
- 0330 ORF EE; YL w/pgm details, nx, comtry (333 2/14 Scheel-IA)
- 0430 ORF EE; Letter from Austria w/discussion of the Austrian nxpapers, SW Panorama on tunnel radio, new freqs announced (242 3/4 Klosowski-FL)
- t 1955 ORF FF; too wk to ID, // 11660 & 11835, to Europe (vy pr (2/21 Cereghin-/
- 2135 ORF EE; comtry by YL on class composers of Austria (232 2/10 Gray-MI)/MD)
- 6000 0100 ORF FF; nx, cooking-recipes for fish & desert, mx, Austrian history (444 3/4 Klosowski-FL)
- 0130 ORF EE; Austrian nx, Magazine section, discussing marriages in Austria (544 2/25 Hunt-NC)(White-KS)
- 0330 ORF EE; nx, US-Soviet tlks in Vienna on Middle East (444 2/19 Coleman-MA)
- 0430 ORF EE; Austrian & wld nx (444 2/15 White-FL)
- 9650 1519 ORF GG; vocals, anmts, OM (252 3/2 Welch-MA)
- 15325 1230 ORF EE; nx, profile (photographer), Post Box 700 on honesty of ORF in reporting Nazi War criminal's return, greeting by defense minister (343 3/4 Klosowski-FL)
- BELGIUM Belgische Radio en Televisie
- 5910 0105 BRT EE; EZL mx, ID @ 0107 by OM, // 9925 (433 2/16 Berri-CA)(May-OH)(Scheel-IA)

BULGARIA Radio Sofia
6070 2133 RS EE; nx, pop mx (432 3/2 Welch-MA)
7115 0420 RS EE; Economy & Science pgm, ID, Bulg. pop mx (433 2/26 Trotto-FL)
9560 2054 RS EE; propaganda pgm, // 9740 (vy pr), 11735 (pr) & 11840 covered by
Moscow via Cuba (fr 2/21 Cereghin-MD)
9595 2050 RS AA; tlk, ID, // 6135 barely audible (fr 2/21 Cereghin-MD)
9665 2130 RS EE; Spectrum, stamp collecting (333 2/10 Denton-KY)(Hunt-NC)(Weikel-MI)
9700 2300 RS EE; Scanning the Pages pgm-review of nxpapers from various countries
abt the Bulgarian connection in the assassination attempt on Pope John
Paul II (fr 2/23 Beaver-IN)
0005 RS EE; pgm on World War II in Bulgaria (444 2/23 Hunt-NC)(Bingham-MA)
0348 R. Moscow (Sofia) EE; NAM svce, propaganda (344 2/25 Rocker-MS)
15135 1215 R. Moscow (Plovdiv) EE; mailbag, DX pgm @ 1225 (443 3/3 Prath-FL)

CZECHOSLOVAKIA Radio Prague
5930 0115 RP EE; nx, ID, mx, folk songs (444 2/6 Langlois-GA)(Bowden-CA)(Hunt-NC)+2
0320 RP EE; usual tlk against Pres. Reagan, 0322 mx (333 2/15 Scheel-IA)
5935 0308 RP EE; nx, ID, mx (433 2/12 Schlick-WI)
6055 2300 RP Inter pgm w/nx in Czech, GG, FF, EE each for 5 minutes, Night Time
Concert (444 2/23 Prath-FL)
7345 0100 RP EE; President of Egypt has made a proposal that Jordan & Egypt join
in a peace initiative and approach Israel on subject through U.S.A.
PLO role uncertain, report on Pentagon budget in U.S.A. (252 2/26 Bowden-
15110 *1530 RP EE; IS, nx, very pr quality (242 2/26 Thompson-CA) (CA)

DENMARK Radio Denmark
15165 1458 RD EE/DD; tone IS to 1459 w/EE OM ID, into DD tlk after 1500 (fr 2/23
Sharp-FL)

FINLAND Radio Finland
15400 1400 RF EE; Compass North-regional nx from Finland & N. Eur., tlk of polio in
Finland, nuclear weapons, elections in Finland (434 2/16 Soomre-MA)
(Sharp-FL)(Weikel-MI)
1524 RF EE; answering listeners' letters, a YL in New Jersey requested class
mx & Finnish piano mx, 1528* (333 2/18 Brewer-AR)(Bingham-MA)

FRANCE Radio France International
7135 0315 RFI EE; ID, nx headlines, wld nx (322 2/12 Goodman-IA)(Rocker-MS)
7240 0426 RFI RR; mx, ID, tlk, address given, 0430* (434 2/19 Trotto-FL)
9790 0452 RFI EE; nx report w/story of France winning a rugby match, sked & mailing
address, FF @ 0454 (343 2/17 Brewer-AR)(White-FL)
2245 RFI FF & SS; // 9800, FF tlk & pop mx, big band, FF ID 2300 into SS ID &
nx-Pres. of Nicaragua in Paris (444 2/13 Weikel-MI)
9800 0130 RFI FF; French mx, ID, freqs, FF & wld nx (434 2/24 Trotto-FL)
11930 1803 RFI FF; to Afr/Indian O., nx, taped interviews w/several OMs (gd 3/1
Palmer-WA)
15315 1640 RFI EE; tlk abt 500th Anniversary of Columbus' voyage to NAM (1992) &
celebrations planned, info on Aerospace company, // 11705 (Gabon) (232
2/21 Chickerell-WV)(Berg-Andersson-NY)(White-KS)(Klosowski-FL)(BinghamMA)
15365 1340 RFI FF; RFI Hebdo-discussing development problems of Saudi Arabia & the
Arab Gulf states (343 3/2 Klosowski-FL)
15435 1600 RFI FF; le livredlor-literature pgm (444 3/4 Klosowski-FL)
17620 1630 RFI EE; nx of Africa, tlk abt Sudan might face famine in months, PCA, sx
special, Made in France pgm, FF folk mx (454 2/7 Bingham-MA)
17720 1500 RFI FF; Franc Parler-a pgm to solve your linguistic problems (444 2/23
Klosowski-FL)
17795 1607 RFI EE; What's Coming Up, Soviets confirm Chernenko is ill, tlk of
Common Market, pop mx, PCA, look at morning nxpapers, nx of Africa, sx
special (343 2/7 Bingham-MA)

FEDERAL REPUBLIC OF GERMANY Deutsche Welle

Before we get into the FRG loggings I'd like to thank Larry Chickerell for sending the Radio Free Europe/Radio Liberty broadcast schedule which includes the transmitter sites. I received one Radio Free Europe logging this month which you can find under Portugal. If you would like one of these schedules write RFE/RL, Inc., New York Programming Center, 1775 Broadway, New York, NY 10019. Ask for their "Combined Broadcast Schedule" and a copy of their information booklet about the stations. You can also get the schedule & transmitter sites of RFE and many other stations from the Bernd Friedewald's International Listening Guide. For more information on this see the March 1985 SPEEDX page 13 in Tips 'n Topics. We're awfully close to the end of the page so we'll start the FRG loggings on the flip side.

3995 0025 DW GG; U.S. mx-Louis Armstrong, Frank Sinatra, big bands, etc., much ARO QRM (433 2/23 Gerstner-NY)
 0148 DW GG; mx & songs in EE including "Georgia," ID @ 0200, ARO QRM (434 2/16 Hesch-NY)(May-OH)
 0300 DW GG; time pip for 0300 into nx (433 2/23 Bishop-NY)
 5960 0528 DW EE; Germany Today, Science Magazine, ID (545 2/12 Schlick-WI)(ScheelIA)
 6065 0230 DW EE; discussing cyclist in Germany (333 2/21 Hunt-NC)
 6085 0110 DW EE; Letter from Berlin-information & happenings from Berlin (444 2/17 White-KS)
 9715 1945 DW EE; Window on the World, tlk abt Algerian foreign policy, Press Review, tlk abt upcoming mx pgm for U.N., Carnival Time in W. Germany (343 2/14 Bingham-MA)
 15210 1700 DW GG; nx, "Unter uns gesagt," Germans in Australia (343 3/3 Munster-GA)
 21600 1305 DW EE; African listeners letters, Jacksons mx, 1315* (343 2/24 Prath-FL)
 The report received for DW on 17800 @ 1340 is from Rwanda.

GERMAN DEMOCRATIC REPUBLIC Radio Berlin International

6125 2200 RBL EE; tlking abt the quality of water, drinking and otherwise (444 2/17 Hunt-NC)
 2240 RBL GG; polit. tlk by OM, mentioned the President of Tanzania (444 2/10 Prath-FL)
 2334 RBL EE; NAM svce, tlk abt World War II (422 2/4 Rocker-MS)
 11785 2029 RBL EE; to Africa, African sked at s/off (343 2/19 Sharp-FL)
 15100 1623 RBL EE; letters of greetings from listeners, inst mx, African svce (333 2/14 Bingham-MA)

GREECE Voice of Greece

6205 0115 VOG Greek; OM w/ID, mx, some CW QRM (222 2/16 Berri-CA)(White-KS)
 0131 VOG EE; ID, nx, tlk abt East-West Relations, Greek inst string mx (222 3/1 Bingham-MA)
 6225 0115 VOG Greek/EE; local mx into OM nx in EE @ 0130 (444 3/2 Langlois-GA)
 2345 VOG Greek; pop mx, IDs "i phonitis Ellados," QRM from SSB & RTTY, 2350* (222 2/14 Sable-NY)
 9420 1920 VOG EE; nx abt upcoming elections in Greece, visit by a Soviet official, YL is a bad ancr and has to repeat words often (322 2/28 Duncan-NC)
 2240 VOG Greek; sensual Greek mx, "Edo Athine" ID @ 2244 (444 2/1 Ainsworth-LA)
 11645 1243 VOG EE; wld nx, report on Chilean earthquake, Look At Today's Press, EE/GG ID @ 1250* (fr-gd 3/5 Thunberg-PA)
 1507 VOG Greek; nx, tlk-sounded like nx magazine pgm (fr-pr 2/23 Sharp-FL)
 1535 VOG EE/Greek; nx by OM & ID in EE; anmts in Greek before 1550* (343 2/15 Carlson-WA)(Bingham-MA)
 15630 1545 VOG EE; foreign nx, tlk abt Star Wars, 1544 into Greek, 1550* (454 2/22 Bingham-MA)

By the way GG is the abbreviation for German not Greek.

HUNGARY Radio Budapest

6025 2109 RB EE; comtry, ID, DX pgm, lots of static, to Europe (252 2/9 D'Angelo-PA)
 2220 RB SS; folk & pop mx, ID, tlk, to Europe (322 2/10 Prath-FL)
 0205 RB EE; nx of Hungary & the Soviet Union (544 2/21 Hunt-NC)(Bingham-MA)
 9835 1129 RB Turkish; Turk vocals, tlk by YL (353 2/17 Welch-MA)
 11910 1710 RB EE; listeners mail & mx request, sx panorama, ID, 1726 s/off of EE (323 2/18 Gerstner-NY)
 1830 RB Turkish; really giving R. Portugal a bad time co-channel (N.B. Port. has since moved to 11915), IS to 1830, traditional Turkish mx, // 9835 (fr-gd 2/24 Palmer-WA)

ITALY Radiotelevisione Italiana

5990 2205 RAI EE; nx & comtry, II pop mx (333 2/10 Prath-FL)
 9475 0100 RAI EE; ID, nx, comments on US & USSR disarmaments, economic community, Australia, orch mx (454 2/19 Thompson-NM)
 9575 0100 RAI EE; Israel's Prime Minister, Shimon Peres, is on a visit to Rome, will visit the Italian Prime Minister & the Pope (444 2/18 Grosnevor-CA)(Weikel-MI)
 1935 RAI EE; ID, opera til 1954, regular pgm not on due to a strike, 1955 (333 2/16 Bingham-MA)

LUXEMBOURG Radio Luxembourg

6090 0037 RL EE; pop mx, ad for Ghostbusters, R. Moscow destroyed signal @ 0054 (222 2/15 Friberg-NH) 0048 rock mx, nx headlines, ID (433 2/17 Gerstner-/Missionswerk Werner Heukelbach GG; religious pgm (534 2/24 DeCassan-/NY Austria)

MALTA Radio Mediterranean
6110 2035 RM EE; tlk abt religion, Good Mx Radio, cotemporary Christian mx, tlk how rock mx affects us (333 2/14 Bingham-MA)
2300 RM EE; wld nx & sx 2305-2315, pop mx until 2324, nx headlines @ 2328, 2330* (222 2/25 White-KS)
9565 0140 DW relay EE; pgm on small factories in Germany, Science Magazine (343 2/12 Duncan-NC)(Bowden-CA)(Hunt-NC)(Thompson-NM)

MONACO Trans World Radio-Monte Carlo
7160 *0725 TWR EE; IS, ID, // 9495 mentioned (444 2/11 Trotto-FL)
9495 0728 TWR EE; rel pgm, ID @ 0730 (243 2/26 Wegner-TX)
9805 *1105 TWR EE/GG; ID in EE into GG, f/out by 1115 (252 2/17 Welch-MA)

NETHERLANDS Radio Netherlands
6020 0230 RN EE; wld nx, Newline, test transmission from Flevo (555 2/14 Winners-VA)(Duncan-NC)(May-OH)(Scheel-IA)
9630 0802 RN EE; OM, Philippines, ID, // 9715 & 9770 (Schlick-WI 545 2/11)
9835 1842 RN AA; // 11730 w/het by 1845, OM anc, AA mx (fr 2/24 Palmer-WA)
11730 2115 RN EE; Media Network-sending morse code via computers (433 2/14 Woering-MA)(Welch-MA)
2216 RN EE; Shortwave Feedback, Top 10 in Holland (333 2/23 May-OH)
11740 2120 RN EE; Dutch by Radio to begin in April, asking for rec. reports for new Flevo transmitter (555 2/2 Hunt-NC)
25800 0246 RN EE; YL, nx, ID (544 2/12 Schlick-WI)
The report received for 15560 @ 2100 is from the Netherlands Antilles.

NORWAY Radio Norway International
6020 0100 RNI Norwegian; // 9585 vy wk (333 2/28 Klosowski-FL)
11850 1600 RNI EE; Norway Today, spy charges Arne Tribolt, fall of Norwegian Krone, cultural magazine (343 2/24 Klosowski-FL)

POLAND Radio Polonia
7125 2344 Polish; mx pgm mostly piano, // 6135 & 7270 both QRM'd to death, ARO QRM occasionally heavy, mostly light on 7125, apparent anmt @ 2344 (333 2/? Chickereil-WV)

PORTUGAL Radio Portugal
6075 0045 RP EE; OM ID, local mx (444 2/6 Langlois-GA)
6095 0030 RP EE; nx, relations between Portugal & Spain (333 2/21 Duncan-NC)(Woering-MA)(Bingham-MA)
9575 1115 R. Renascenca PP; rel pgm, for Europe Sunday only (353 2/24 Welch-MA)
9600 *2200 RP PP; NA, OM anc (353 2/11 Welch-MA)
9680 2300 R. Renascenca PP; IS xylophone, rel organ mx, IDs, into Austrian-type beer hall mx (on a rel station?) WRTH says they s/on @ 2330 on 11730 (gd 2/24 Cereghin-MD)
0035 RP EE; wld nx, Portuguese sx (434 2/4 Hunt-NC)
9695 2120 R. Free Europe Hungarian; tlk abt recent Soviet defector Shevchenko, nx @ 2130, C&W tune @ 2157, tlk of General Westmoreland trial (433 2/18 Dillon-DC)
9740 1052 RP PP; inst mx @ 1055, ID by OM (242 2/24 Welch-MA)
15105 *1600 RP EE; march mx, ID, nx, Listeners Mailbag, mx (222 2/22 Bingham-MA)
15250 1805 RP EE; nx by YL, ID (333 2/6 Trotto-FL)(Bingham-MA)
2001 RP PP; // 11910 (since moved to 11915), YL w/nx, ad for "loteria nacional" afterward, mx variety, to Africa (fr 2/26 Palmer-WA)
15285 1445 RP PP; rapid-fire tlk w/fast mx in between, mention of futbol, tlk by 2 or more OM (also very fast-apparent game) w/out mx by 1500, odd sound effects (444 2/16 Chickereil-WV)

ROMANIA Radio Bucharest
11940 1311 RB EE; tlk on upcoming Romanian elections, sked, address, IS @ 1326*, Euro svce (gd 2/22 Thunberg-PA)

SPAIN Radio Exterior de España
6125 0000 REE EE; report on earthquake in Chile, latest figures indicate 125 killed, over 2,000 injured, earthquake curfew imposed in central Chile midnight to 5:00 a.m., 8,000 people homeless, 40% of buildings destroyed between Santiago & Valparaiso (151 3/4 Bowden-CA)(Palmer-WA)
0500 REE EE; nx, travelogue, DX pgm, Esperanto pgms on SW (444 3/4 Munster-GA)(White-FL)
7105 2350 REE EE; DX pgm for Europe, mentioned Saudi Arabia on 11865 1000-1400 & 1600-2100, // 5960 (pr) (323 2/10 Chickereil-WV)
7450 2205 REE SS; wld nx, polit. tlk, // 11880 (544 3/2 Prath-FL)

- 9360 0215 REE SS; long tlks, orch mx, IDs, vocals, nx (454 2/26 Thompson-NM)
 9630 *0000 REE EE; SS nx, Int'l nx, sx roundup, Highlights of the Week, Radio Club on which letters were read, // 6065 & 11880 (555 2/11 Neuverth-CO) (Bingham-MA)(Denton-KY)(Klosowski-FL)(White-KS)
 0135 REE EE; nx, Spain's problems w/NATO, EEC & U.S.A., arrest of American spies (555 2/19 Coleman-MA)(Hunt-NC)
 2040 REE SS; mx, ID, 2100 nx, Pres. Reagan's State of the Union speech excerpts in EE w/SS translations (333 2/9 Weikel-MI)
 2245 REE SS; bull ring mx, light class mx (fr 3/3 Witte-CA)
 9680 1755 REE AA; vocals, 1758 ID, march & off (353 3/2 Welch-MA)
 9780 2027 REE EE; s/off annts by YL, ancd // 11690, 2030* (332 2/12 Welch-MA)
 2300 REE EE; history lesson abt several regions of Spain, named some famous art objects in Spain, EE b/c sked for Europe, mx (151 2/17 Bowden-CA)
 11690 1939 REE EE; nx, tlk abt New Zealand no nuke policy, SS mx, tlk of fishing & agriculture in Spain (333 2/6 Bingham-MA)(Bowden-CA)
 11880 0040 REE EE; mx (222 2/21 Bishop-NY)(Bingham-MA)
 0145 REE EE; Press Review, ID, SS rock mx (444 2/6 Langlois-CA)
 1935 REE SS; noticias between cuts from Chariots of Fire, ID @ 1945, carnival mx (343 2/18 Dillon-DC)
 15535 1630 REE SS; tlk, SS mx (343 3/4 Weikel-MI)

SWEDEN Radio Sweden International

- 6045 2300 RSI EE; nx, nx features @ 2305, annts of upcoming sked of programming (222 2/25 White-KS)
 9695 0357 RSI Swedish; IS barely audible, 11705 inaudible (3/4 Munster-GA)
 15285 *1429 RSI Swedish; IS, ID in several langs, nx, tlk abt Davis Cup tennis (454 2/26 Bingham-MA)
 15345 1400 RSI EE; nx, Stockholm Radio-air to ground communications, Swed smorgasbord recipe (343 2/22 Klosowski-FL)

SWITZERLAND Swiss Radio International

- 3990 0703 SRI EE; nx, ID, to SS @ 0729 (434 2/8 Schlick-WI)
 6135 0205 SRI EE; lite class mx, ID 0210, EE svce annt 0215 (444 2/25 Speer-CA) (Bowden-CA)(Hunt-NC)(White-KS)
 6165 2210 SRI EE; nx (433 2/17 Hunt-NC)
 9560 0712 SRI EE; nx, acid rain, computers, ID, covered up by 0725 (333 2/7 Schlick-WI)
 9625 0020 SRI FF?; Swiss or GG polka mx @ 0020-0030, ID & IS @ 0030 (222 3/1 White-KS)
 9725 0145 SRI EE; DX pgm, referred to communications received from various DXers around the world, ancr gave several jokes or puns, quiz segment for listeners to answer, Swiss mx (353 2/16 Bowden-CA)(Welch-MA)
 9885 0143 SRI EE; time pips, TC, ID, orch mx, Dateline nx, comtry, accordion mx (454 2/20 Thompson-NM)(Hunt-NC)
 1821 SRI EE; nx, wx, avalanches in Geneva, ID, Roundabout Switzerland (343 2/17 Trotto-FL)(Bingham-MA)
 2203 SRI EE; Dateline, tlk on rel freedom (343 2/11 Welch-MA)
 11870 *1315 SRI EE; nx, Sounds Swiss (353 2/24 Welch-MA)
 12035 1530 SRI EE; Iraq planes bomb two more naval targets (oil tankers) near Kharg Island, Iran, Middle East proposal made by Chairman Arafat & King Hussein are referred to U.S.A. for reaction (252 2/14 Bowden-CA)
 1830 SRI EE; nx, snow report, Dateline, ID @ 1845, continues in GG (434 2/13 Woering-MA)(Bingham-MA)
 1950 SRI FF/II; FF tlk to 2000, ID, IS, into II? wld nx (343 3/4 Weikel-MI)
 15430 1530 SRI EE; nx, Dateline, item on Switzerland w/out an army, group proposing a referendum to abolish the military (343 2/26 Klosowski-FL)
 15570 1315 SRI EE; Great Sat. Grapevine, contest questions, // 6165, 9535, 12030, 11870, 15585, 17830 & 17765 not hrd (232 3/2 Klosowski-FL)
 17765 1530 SRI PP; ID, to Brazil (444 2/10 Brewer-AR)
 17830 1530 SRI EE; nx, Swiss SW M-G-R, report on sunspot activity, mailbag, Database Int'l, DX tips (454 2/9 Bingham-MA)(Brewer-AR)

UNION OF SOVIET SOCIALIST REPUBLICS Radio Moscow

Russian S.R.S.R. (European)

- 7320 0425 RM (Krasnodar) EE; tlk on the Martial Law on the Chilean People, saying the U.S. was to blame on the Pres. of Chile being put in (433 2/26 Trotto-FL)
 2255 RM (Krasnodar) EE; strong signal w/loud tones, s/on annt @ 2300, wld nx abt Star Wars, Greece & France (443 2/10 Chickerell-WV)
 11700 1545 RM (Krasnodar) EE; The Way We See It, multinational corporations dominate the U.S. economy & heavily contribute to our growing national debt, Kremlin chimes 1600, nx (weak 2/27 Palmer-MA)

Ukrainian S.S.R.

- 7165 0155 RM (Lvov) EE; inst mx, IDs, freqs, IS, NAM svce, nx, tlk on Soviet economy (454 2/24 Thompson-NM)
- 15455 2030 RM (Nikolayev) EE; official of the U.S.S.R. reportedly accuses Reagan Administration of contemptuous attitude in its charges that U.S.S.R. violates international commitments, says U.S.A. is in process of undermining ABM treaty (353 2/27 Bowden-CA)

Unknown Sites

- 4060.0 2230 RM EE; quiz-What, Where & When, name that tune, ID, tlk abt Moscow Festival, off @ 2300 (232 2/17 Desrosiers-MA)(Soomre-MA)
- 5920 2155 RM SS/EE; end of SS pgm to SAM, IS, into RMS nx in EE (444 2/10 Prath-FL)
- 6110M 1200 RM EE; wld nx headlines, ID, disarmament-the issue of the day, inst mx, Nx in Brief, mailbag, sx, // 17810, 15130, 15450 & 15470 (232 2/18 Neuverth-CO)
- 7185 2105 RM EE; Russian boy having arm reattachment after being cut off in mishap (454 2/2 Hunt-NC)
- 7195 0315 R. Kiev EE; pgm on preparations for meeting of Communist Party of the Ukraine (333 2/14 Duncan-NC)(Robinson-TN)
- 7295 1415 RM EE; economic nx from Siberia & Vietnam, stirring Socialist marches (444 2/8 Lord-CA)
- 7325 0250 RM EE; comtry on Soviet education system (333 2/20 Goodman-IA)
- 9490 0408 RM EE; wld service wld nx, News & Views @ 0410 (354 2/17 Rocker-MS)
- 9582 2040 RM EE; tlk abt wman, QRM (333 3/8 Allen-CA)
- 9685 2434 R. Kiev EE; report on upcoming elections in Kiev, ID, tlk (333 2/24 Trotto-FL)
- 9780 1000 RM EE; nx & comtry, some U.S. senators recently visited Moscow, one theme of discussions being respect for each other's legitimate interests, Star Wars concept discussed (252 2/22 Bowden-CA)
- 15425 2200 RM EE; Sidelights from Soviet Life, feature abt Leningrad Symphony Orch & several rock groups from the U.S.S.R. (151 3/3 Bowden-CA)

UNITED KINGDOM British Broadcasting Corporation

- 3955.0 0315 BBC EE; ID, ARO QRM, tlk abt Canada, politics in U.S.A., Mondale's Where's the Beef comment (222 2/15 Desrosiers-MA)
- 3995 0725 BBC EE; 24 Hours, 0730* (343 2/17 Trotto-FL)
- 4467.1 0150 BBC SS; mention of several countries in SAM, USB, feeder?, 0200 Big Ben & ID by YL (333 2/24 Desrosiers-MA)
- 5975 2205 BBC EE; nx, World Today, events in Korea (434 2/11 Hunt-NC)
- 7325 2300 BBC EE; ID, TC, wld nx, comtry, From the Weeklies, tlks on mx, vocals, inst mx (454 2/22 Thompson-NM)
- 9600 1131 BBC FF; nx by YL, European svce (353 2/24 Welch-MA)
- 9750 1044 BBC EE; rel svce (242 2/24 Welch-MA)
- 9915 2355 BBC EE; pgm on movie films (544 2/23 Hunt-NC)
- 11855 1700 BBC EE; New Ideas, when oil tanker travels w/out oil, it carries water as ballast (252 2/27 Bowden-CA)
- 11935 1450 RCI relay RR; mx, tlk, ID, IS @ 1459 (343 2/10 Prath-FL)
- 12095 1920 BBC EE; nx, health svces crackdown on pills, perscription drugs (434 2/13 Woering-MA)
- 15070.0 1515 BBC EE; Gordan Clyde-request mx, The Pleasures Yours (444 1/31 White-FL)+1
- 15670.0 1913 BBC EE; African svce (444 2/3 White-FL)
- 17710 0030 BBC EE; relations between U.S.S.R. & W. Germany (151 3/4 Bowden-CA)
- 21710 1630 BBC EE; rugby game, // 15070 (433 2/23 Hunt-NC)(Brewer-AR)(White-FL)

VATICAN CITY Vatican Radio

- 7250 *0415 VR Ukrainian; IS, ID by YL, tlk by OM (333 2/19 Trotto-FL)
- 9605 0030 VR FF/EE; tlk on marriage & divorce, into EE rel pgm @ 0050, // 6015 (232 3/1 Klosowski-FL)(Thompson-NM)
- 9645 *1057 VR II; IS, ID, Angelus, QRM Netherlands on 9650 (242 2/24 Welch-MA)
- 15120 1550 VR EE; tlk on 50th Anniv of VR, IS, 1559* (gd 2/11 Thunberg-PA)(BinghamMA)
- 1939 VR II; IS, Holy Rosary, // 11700 atop R. Earth (343 2/10 Prath-FL)
- 15405 1359 VR Latin/SS; bells to 1400, brief mx, Latin ID, SS ID, sked for SAM (544 2/27 Sharp-FL)
- 21725 1440 VR EE; tlk abt members of church, are 1 big congregation, strength & unity in W. Europe, to India & S.E. Asia (343 2/23 Bingham-MA)

YUGOSLAVIA Radio Yugoslavia

- 9620 2015 RY EE; wld nx, ID 2022, light orch mx to 2027 & s/off (242 3/4 Weikel-MI)

I have word now that I will be working 9:30 p.m. to 4:00 a.m. every other Sunday and Tuesday evening in addition to the 4:00 p.m. to 8:00 p.m. Monday-Friday & 3:00 p.m. to 7:00 p.m. Saturday. It may start to get questionable if I will be able to keep up typing this column.

and



Africa

SPEED GRAY, 1260 Troon Ct. SE, Grand Rapids, MI 49506

All times & dates UTC: Frequencies- kHz: *0000=s/on, 0000*=s/off: Deadline 12th.

While traveling to Columbus, Ohio on business in mid-March, I decided to treat myself to a few self-indulgent hours in shortwave listener's heaven; I detoured to Reynoldsburg and visited with Fred Osterman at Universal Shortwave Radio. Because western Michigan could not be described as the hot-bed of SWL-DX radio stores, it was exciting to see everything a DXer might need under one roof. His store is most impressive, with all imaginable SWL-DX equipment to meet even the most demanding expectations. Fred spent several hours tutoring me in the fundamentals of RTTY, his specialty. If you are ever in the remotest vicinity near Columbus, Ohio, don't pass up an opportunity to visit this impressive establishment. Their telephone number for additional information, which I'm sure they would be happy to provide, is 614-866-4267. I would also like to thank Fred for his warm, Buckeye hospitality. I'm SURE I'll be back!

This is to be the largest Africa Section ever, with eight full pages of logging information. Although I have mentioned it before, I continue to be impressed with the dedicated members who contribute regularly and predictably; I can only say how easy it makes my job every month. Keep up the fine work, and for those of you new to the hobby-please, plan on hopping aboard the "Contributor's Bandwagon" by sending in your loggings to the various sections of the SPEEDX Bulletin. Now, here's the good stuff!

LOGGINGS FOR APRIL, 1985

ALGERIA

- R. Algeria
- 9640 2000 R. Algiers: EE; nx in EE, after TPs and s/on, very poor, QRN, QSB, QRM splash de 9645 DW. 1/2 2 1/2(3-2 Habak-WV). (ed- now that's what I call a bad sig!)
- 15210 2011 R. Algiers: EE; OM w/wld nx, ID, weak to moderate sig underneath co-channel WYFR, no other //s noted here. 322(2-26 Sharp-FL).
- 17745 1540 R. Algiers: EE; mx, OM w/meditations, YL/OM w/pop mx pgm "I'm Wasting My time." 333(2-27 Witte-CA).

ANGOLA

- R. Nacional Luanda, R de Benguela
- 9535 2152 RNA Luanda: EE; end of song and abruptly into OM w/nx covering "South African hostilities against SWAPO", bad het on freq and wiped out by 2200. 322(2-28 Sharp-FL).

ASCENSION IS.

- BBC Relay
- 7105 *0400 BBC Relay: EE; IS, s/on by OM, ID, wld nx. //11860. 444(2-26 Trotto-FL).
- 11820 2200 BBC Relay: PP; Big Ben into opening ancmt, to Brazil. 333(2-24 Speer-CA).
- 15260 2005 BBC Relay: EE; Nelson Mandela reject his release. 444(2-10 Gray-MI). @2200 EE; TPs, ID, wld nx, and financial rpt. 454(2-13 Thompson-NM).
- 15390 2130 BBC Relay: EE; Falkland info and nx about their constitution. 333(2-8 Gray-MI). @2325 EE; "English By Radio", then s/off at 2330. 455(3-4 Rocker-MS).
- 15400 1941 BBC Relay: EE; Stock rpt and pgm on cooking food by radiation. 343(2-8 Gray-MI). @2021 EE; pgm "24 Hours" and into PP at 2030. 455(3-3 Rocker-MS).
- 17870 1539 BBC Relay: EE; OM/YL ans letters, Tx abt BBC T Shirt. 343(2-12 Bingham-MA).
- 17885 1500 BBC Relay: EE; Radio Newsreel. 343(3-2 Klosowski-FL). @1716 EE; nx of African Wld, by 1730 audio was more bassy. 433(2-15 Scheel-IA). @1730 EE; ID, then "Sporting Life" abt sports in Africa. 454(2-18 May-OH).

21710 1725 BBC Relay: EE; Wld Ser w/usual Saturday pgms. 333(2-2 Chickere11-WV).

BENIN
 4870 2255 ORTB Cotonou, Parakou
ORTB- Cotonou: FF; OM tx, hi-life mx, ID at 2300, s/off w/NA at 2304.
 243(Weikel-MI).

5025 0511 ORTB- Parakou: FF; vy weak, YL tx, 0516 into pgm of lcl mx, thank goodness
 Rebelde outlet off early tonight! 243(3-1 Sharp-FL).

BOTSWANA
 4820 0410 R. Botswana- Gaborone
R. Botswana: Set; pop mx, OM DJ w/good sig, //3355 QRMd by RITY. 2-
 16(Hosmer-MI). @0422 Set; tx and sould mx, ments of Gabarones several times.
 333(2-14 Weikel-MI). @4828 EE; soul mx, ID by OM, nx at 0430, then mx "Cryin
 in the Rain". 333(1-7 Trotto-FL). @0459 EE/Set; Dove call noted just prior to
 0500 nx by Set YL, mixing badly w/HRVC. 422(3-1 Sharp-FL). @0520 EE; cmty tx,
 EE nx, ID 0521. 222(3-1 Manning-TX).

7255 *0345 R. Botswana: EE; Barnyard IS, "Good Morning" in EE, Church Hymn, and then
 sermon. 544(2-23 Hunt-NC). @0345 ??; great sig! SO w/Barnyard IS. 2-14(Witte-
 CA). @0354 Set; Typical Barnyard IS, S/ON, NA "Oh God Our Help in Ages Past".
 333(2-4 Gray-MI).

BURKINA-FASO
 4815 0648 Ntl. Radio du Burkina- Ouagadougou
RTB: (t): FF; African drums, difficult to hear and lots of QRN- typical here
 lately. 222(2-20 Witte-CA).

4815 2225 RTB: (t): FF/More; vry weak audio, though clear tx by OM noted, some in FF
 but occasional switching to lcl lang, w/unid Latin stn. 232(2-28 Sharp-FL).

CAMEROON
 4750 0456 R. Buea, R. Bertoua, R. Douala, R. Garoua, R. Yaounde, R. Bafoussam
R. Bertoua: FF; mostly tx w/ID, some (but not enough!) sub-Saharan mx, EE
 noted around 0540. Fair(2-22 Cereghin-MD).

4795 0447 R. Douala: Unid; continuous OM tx to 0449, into lcl mx, EE nx by OM 0500.
 333(2-25 Sharp-FL). @0504 FF; nx at 0500, ID w/sub-Saharan mx. Fair(2-22
 Cereghin-MD).

4795 2203 R. Douala: FF; pop mx- some overmodulated audio- very muffled, ID and S/OFF,
 very strong sig here tonight. 433(2-24 Gray-MI). @2205 FF; wld nx by OM, ID
 2215, into disco, then TC, some UTE QRM. 323(2-26 Dillon-MD).

5010 0428 R. Garoua: EE/FF/AA; flute & tam tam IS, OM IDs in FF then repeated in EE,
 formal S/ON at 0430, into Quran recitations 0431. 333(2-25 Sharp-FL). @0542
 EE; OM nx, into FF 0550, OM w/African mx, ID. 222(2-14 Schlick-WI). @0535 EE;
 nx, ID, short mx, ID again at 0546 and into vern. 433(3-5 Wallenhorst-OH).
 @0530 EE; singing till 0600, ID & nx by OM, at 0607 "Cameroon Report" abt
 Western Sahara. 333(3-10 Hosmer-MI).

5010 2140 R. Garoua: Foulfoulde; tx by OM, flute mx, into FF at 2150, reggae song, then
 ID as "Ici la station Provincial de Garoua", nx in FF. 333(2-26 Dillon-MD).
 @2150 FF; African mx. 434(2-11 Bishop-NY).

9745 2110 R. Yaounde: EE/FF; nx OM, FF mx 2117, excellent ID 2117. 332(2-10 Gray-MI).

CAPE VERDE
 3931 2227 R. Voz de Sao Vicente
Voz de Sao Vicente: PP; tx and variety of mx w/ARO QRM. 222(3-4 Habak-WV).
 @2258 PP; continuous PP vcls, OM ID 2302, and more mx, sometimes heard as
 late as 0100 S/OFF. 333(3-1 Sharp-FL). @2341 PP; romantic vcls and ballads,
 2359 OM w/ID and S/OFF ancmts, then NA and four chimes. 343(3-1 D'Angelo-PA).

CENTRAL AFRICAN REP.
 5035 0523 RT Centrafrique- Bangui
RTC: FF/Sango; pgm of hi-life w/occasional YL ID as "R. Centrafrique" into
 brief OM tx, sig strength starting to increase. 342(3-1 Sharp-FL). @0540 FF;
 hi-life mx w/ancmts between songs by OM, ID at 0600 (lots of lcl QRN here)
 322(2-11 Wegner-TX).

CHAD
 4904 0457 R. Nationale Tchadienne- N'djamena
RNT: 2 FF; IS, NA, children's chorus hymn, OM ancer w/ID and freqs, into disco
 mx. 454(3-2 Quaglieri-NY). @0600 Af vern; YL, drums and flute type
 instrumental chorals, rel tx (t), best African mx I've heard, but heavy QRN.
 333(2-14 Witte-CA).

4904 2143 RNT: FF; brief OM tx, into mx by military band, splatter de Juventud on 4900,
 sig starting to improve. 222(3-1 Sharp-FL).

COMORO ISLANDS
 3331 *0300 R. Comoros
RC: (t): Comorian; Koran recitations, tx by YL/OM, heard under CHU, language
 definately not FF. poor(Dave Jones-VA). (ed- thanks for this telephone report
 via the SPEEDX Africa DX Hotline: 616-676-0671).

CONGO
 15190 1904 RTC- Brazzaville, Pointe Noire
RTC: FF; cmty by OM, Afro chanting mx, very poor after 1930. 322(2-10 Gray-

MI). @1908 FF; YL ancw w/hl-life type mx, good sig aside from occasional splatter from RSA on 15185. 434(2-15 Quaglieri-NY). @2208 FF; heard in the clear for a change! Lots of hi-life, xylophone mx, OM ments like "Congolaise" and "Brazzaville". 343(2-21 Sharp-FL).

EGYPT

- 9455 0439 R. Cairo- Abis, Abu Zaball, Mokattam
R. Cairo: AA; mx, but no ID heard. 544(1-30 White-FL). (ed- I have not had a listing for RC on this freq since last August, can anyone else confirm?).
- 9475 2030 R. Cairo: AA; mx w/male vcls, YL ancw, very long songs. 323(2-10 Duncan-NC) @0209 EE; mx, nx broadcast, cmtly on the PLO, Egyptian modern history pgm, then listener's mail pgm. 444(2-13 Gerstner-NY).
- 9805 2215 R. Cairo: EE; tx on the Egyptian god Ra. 343(2-11 Welch-MA).
- 9850 2205 R. Cairo: AA; vcls, ancmts by YL, hvy QRM WYFR on 9852.5. 332(2-11 Welch-MA).
- 12050 1930 R. Cairo: AA; pgm on famous Egyptian engineer Farid Shafi, ID, bells at 2000, then speech by Pres. Husni Mubarak. 343(2-16 Dillon-DC).

EQUATORIAL GUINEA

- 4925 0510 R. Nacional- Bata, Malabo, R. Africa (Int'l Sce)
RNB: EE/SS; mx "Hidee Hidee Ho" and others in SS, vry poor mod, could not understand spoken words. 332(2-10 Weikel-MI).
- 4925 2153 RNB: SS; tx in SS w/NA 2202. This was heard regularly in December & January, but only once in February. 243(3-3 Habak-WV). @2220 SS; hi-life mx, YL tx in SS, S/OFF w/NA at 2240. 243(2-9 Weikel-MI).
- 15106 2013 RNB- International Service: EE; typical rel pgms w/address in Dexter NM, lots of QRM de DW after 2116. 333(2-8 Gray-MI). @2131 EE/SS; rel pgms, ID at 2150 w/Bata QTH, then black "rap" mx, ID 2156 as "Servicio Internacional", NA, S/OFF 2158. 433(2-18 Wegner-TX).

ETHIOPIA

- 9560 1422 VORE- Gedja
VORE: AA; tx by AA OM, brief mx interludes, TP to 1430, YL ID and into presumed nx by OM, into EE at 1500. 433(3-1 Sharp-FL). @1520 EE/??; mx, ID, then into EE tx abt African development, QRM. 333(2-14 Witte-CA).

GABON

- 4777 2230 Africa #1, R. Japan Relay & R. France Relay- Moyabi Moanoa; RTVG- Libreville
RTV- Gabon: FF; hi-life mx w/positive ID on the hour. 211(2-8 Forsgren-WI).
- 4810 *0505 Africa #1: FF; drft between 4809-4810, usual pop mx. vg(2-22 Cereghin-MD).
- 4810 2100 Africa #1: FF; lots of rock mx, nx at 2133, ID at 2123, //11940. 454(2-16 Card-RI). @2212 FF; reggae mx w/YL & OM DJ, TC in UTC and lcl time, ID at 2225. 343(2-14 Dillon-DC). @2215 FF; great Afrocaan tempo style mx, full ID by OM. Best sig in months! (2-3 Desrosiers-MA).
- 11705 1615 RFI Relay: EE; "Paris Calling Africa", nx, Latin America notes, mx, and "P.O. Box". 454(2-24 Femyer-AZ). @1638 EE; OM tx abt Cameroon, Arts in France, Paris weather, then freqs and target areas. 333(2-6 Bingham-MA). @1640 EE; tx abt Columbus' voyage to NA in 1492 (ed monitoring the VOA the entire way, no doubt!), info abt avaiation, echo in reception for some reason. 242(2-21 Chickerell-WV).
- 11940 1850 Africa #1: FF; telephone call-in pgm, mx w/OM DJ, ID at 1900. 344(2-10 Gray-MI). @2020 FF; cmtly w/African tribal mx between rpts. 444(2-24 C.White-KA). @2130 FF; mx pgm, clear reception. 353(2-26 Bowden-CA). @2136 FF; OM w/upbeat mx between stories, this is one of the strongest sigs on 25m, //4810. 555(3-1 Sharp-FL). @2140 FF; for west Africa, nx of America, vcls and orchestra mx, drums and native songs. 454(2-28 Thompson-NM). @2145 FF; LA mx and US pop. 323(2-11 Lord-CA).
- 15200 1530 Africa #1: mx countdown show, OM anced selection as "nombre trois", jammer cut in at 1532, and it went abruptly off. 545/533(3-1 Sharp-FL).

GHANA

- 915 2143 GBC- Accra
GBC- Accra: EE; nx by OM, then football scores and "This was the news hightlights coming to you from the GBC, Accra." ,into lcl mx at 2155. 2+42+(2-24 D'Angelo-PA). @2147 EE; nx and then choral mx. 232(3-6 Habak-WV). @2149 EE; lcl nx read by YL, story abt a fire in Accra, some CW QRM. 323(2-23 Sharp-FL).

GUINEA

- 910 2239 RD Nationale- Conakry
RDN: FF; synthesized and lcl mx, good sig now that Ghana is off, 19mb (15310) not heard in quite awhile. 333(2-23 Sharp-FL).

IVORY COAST

- 115 0527 RTVI- Bouake
RTVI: FF; continuous OM tx w/emphasis on Ivory Coast, //to 4940 which was quite weak and audio was also distorted. 333(3-1 Sharp-FL).

LESOTHO

- 100 *0259 R. Lesotho- Maseru
LNBS: Sesotho; tuned into NA, then ID and frequency ancmts by OM, and into rel singing and preaching. 242(2-24 D'Angelo-PA). @0259 Sesotho; hi-life

4800 0438 until 0300, then NA and ID, into rel pgm. 422(2-21 Forsgren-WI).
LNBS: EE; surprised to hear EE nx, which ended w/sked of departures and arrivals of planes in Maseru, then rpt of headlines, OM TC as "22 minutes to 7", then tx on education. 444(2-25 Sharp-FL). @0438 EE; OM w/tx on Intn'l Monetary Fund, then beer commercial "77" brand name, nx OM 0500. 233(2-15 Hosmer-MI). Same time and date for 333(2-15 Wegner-TX). @0456 EE; pop mx, 0500 into nx by YL, and then back into mx. 222(2-24 Speer-CA). @0505 EE; this is the first time heard in a long time! African nx, ID, some RTTY QRM but very reasonable signal. fair(2-22 Cereghin-MD).

LIBERIA

LBS- ELBC, ELWA; VOA Relay- Monrovia
4760 0620 ELWA: EE; "On the Farm" pgm, seeds from US organization to be given out, then general info on farming. 222(2-18 Schmutz-NY).
4760 2157 ELWA: EE; rel mx to ID "You are listening to ELWA, Monrovia, Liberia", cut to VOA nx, at 2210 nx abt Liberia, then back to inspirational pgms at 2215. 2+42+(2-23 D'Angelo-PA). @2203 EE; VOA nx till 2210, then ELWA ID and lcl nx. 243(2-19 Hosmer-MI). @2218 EE; OM sermon w/passages from Bible, caught underneath low side of Mayak's carrier on 4765 w/ELWA trying its best to break through. 322(2-28 Sharp-FL).
11830 1947 ELWA: Yoruba/Nupe; sermon by OM w/passages from Bible, clear ment of "ELWA" at 2000, a regular one here as of late. 343(2-28 Sharp-FL).
15445 2010 VOA Relay: EE; bulletin of wld nx. 344(3-3 Rocker-MS).
15600 1708 VOA Relay: EE; nx by OM, "Africa in Print", then "Night-line Africa", then "Sound of Soul" w/dedications. 353(2-16 Bingham-MA). @2140 EE; tx of US budget deficits caused by defense spending. 333(2-8 Gray-MI). @2230 EE; YL ancr w/TC and ID, lcl mx, wld nx, and VOA Calendar. 454(2-17 Thompson-NM).
17870 1700 VOA Relay: EE; ID, wld nx, then "Africa in Print", and tx on study of education in Zimbabwe. 454(2-23 Thompson-NM). @1705 EE; nx, then "African Panorama" at 1710. 242(2-15 Scheel-IA). @1919 EE; nx and tx on elections in Liberia, letters read and request pgm, mx by Stevie Wonder. 353(2-12 Bingham-MA). @2252 EE; pgm "Music Time in Africa". 355(3-3 Rocker-MS).

LIBYA

Libyan Jamahiriyah Brdcstng, R. Jamahiriyah
3200 0536 LJB: AA; nothing but Quran recitations by OM, // to 11815. 454(3-1 Sharp-FL).
11815 0413 LJB: AA; continuous tx de OM, 25mb "bottomed out" tonight but this one is coming through w/extremely strong sigs. 545(2-25 Sharp-FL).
11815 2214 LJB: EE; many IDs w/YL & OM ancres, then pgm "Know Us Better". 453(2-18 Hesch-NY). @2300 EE; cmty, and nx of Libyan revolution, slight to moderate fading. 353(2-17 Bowden-CA). @2305 EE; mx pgm "Saturday Night Country" and into nx about 'you know who'!!! 343(2-16 Cooper-CA). @2307 EE; ID and then "Happy Music" pgm. 434(2-12 May-OH). @2315 EE; wld nx by YL, then "The Libyan Struggle", complete ID, rarely heard here- good sig. 333(2-10 Chickerell-WV).
11815 2241 RJ: EE; YL tx abt S Africa, mx "March for Freedom". 222(2-23 Bingham-MA).
15040 1815 LJB: AA; OM tx, exc sig, ID at 1830, birdy jammer 1835. 343(2-8 Gray-MI).
15415 1609 LJB: AA; OM tx, chants, AA mx. 333(3-4 Weikel-MI).
17940 1515 Voice of the Arab World: AA; usual format here, OM tx, some mx and nx, excellent as-always sig. 444(3-11 Abbinante-IL).

MADAGASCAR

RN Relay, R. Madagasikara
5011 *0249 RM: Malagasy; IS, NA, brief ID by YL, instrumental mx, bad QRM de Peruvian which leaves air 0255. 322(2-19 Quaglieri-NY). @0300 Malagasy; IS, NA, ID as "Radio Madagasikara" and into pgm of locally influenced hi-life, best reception of this yet. 4+44(2-19 Forsgren-WI). @0413 FF/Malagasy; apparent nx by OM, still good sig but fading evident, usual assortment of distinct mx at 0415, interruption by OM for ID at 0416. 333(3-1 Sharp-FL).
9540 2049 RN Relay: EE; African pop mx, OM tx abt pot smoking in Nigeria. 343(2-15 Bingham-MA). @2110 EE; happy birthday to lstrns, mx. 434(2-17 Hunt-NC).
9689 0459 RM: unid; IS, NA till 0501, then covered by 9690. 333(1-29 Quaglieri-NY).
11740 2011 RN Relay: EE/FF; ID and into EE, wld nx w/Veronica Wilson, //to 9540. 334(2-8 Gray-MI). @2100 EE; OM w/birthday greetings, then Rolling Stones "Play With Fire", S/OFF at 2120. 343(3-3 Bair-CA).
15570 1820 RN Relay: DD; nx summary, S/OFF ancmts at 1826. 333(2-27 Speer-CA).

MALAWI

MBC Blantyre
3380 0352 MBC: ChiChewa; back again after short absence w/good sig, lcl vocals and chants, usual co-channel Latin is off early Sunday night. 333(2-25 Sharp-FL).

MALI

RN du Mali- Bamako
4783 0615 RNM-B: FF/vern; AA sounding chants, OM w/FF tx, then fast tx by OM in vern at 0620 till 0650, ID by OM in FF then nx. 434(2-22 Berri-CA). @0640 FF; solid cora mx to ID at 0700, "Ici Bamako- RTNM". 433(2-27 Forsgren-WI). @0650 FF/vern; nice harp (cora) IS, ID in FF at 0730 w/freqs then national nx, very nice clear signal. 344(2-26 Wegner-TX).

4783 2206 RNM: Bambara; OM tx in vern, back into FF for ID at 2211, then into lcl chants and mx. 433(2-28 Sharp-FL). @2310 FF; tx and African mx, ments of Mali, possible NA and S/OFF at 2359, QSB throughout. 222(3-3 Habak-WV). @2325 FF; mx pgm, FF ID at 2346 and 2355, S/OFF w/NA at 2359. 454(3-9 Hosmer-MI).
 7285 2134 RNM: FF; pgm of lcl mx, frequent FF OM tx, w/lower sunspots many Euro stns moving to 4lmb makingn this a tougher catch, 4783 just starting to fade in. 222(2-28 Sharp-FL). @2335 FF; lively Afro mx and tx, ID and S/OFF w/ancmnts and NA at 0001. 333(2-9 D'Angelo-PA).

MAURITANIA

4845 2233 RNM- Nouakchott
 RNM: AA; solid Quran recitations, some splatter on high side from Latin stn but otherwise pretty good! 433(2-23 Sharp-FL).
 9610 0600 RNM: FF; IS, IDs and mx. 222(2-19 Cooper-CA).

T A R G E T : A F R I C A

MAURITIUS: Pop:1,002,000; Pop Density:1219; Ethnic Groups:Indo-Mauritians 68%, Creoles 27%, others; Languages:English (official), French, Creole; Religions:Hindu 51%, Christian 30%, Moslem 16%; Geo Area:787 sq mi (smaller than Rhode Island); Topography:A volcanic island nearly surrounded by coral reefs, a central plateau is encircled by mountain peaks; Capital:Port Louis; Economy: sugar cane and tourism primarily; Currency:Rupee 12.59=1 US dollar; Gross national product:\$989mm; Per capita income:\$1052; Government: Parliamentary democracy under a constitutional monarch (UK); Literacy: 61%; Radios:114,580 in use; Life expectancy:61 years.

Mauritius is located 500 miles east of Madagascar, and consists of an independent island group comprised of Mauritius, and Rodrigues Islands, plus two smaller island groups to the north. All of the islands were volcanic in origin, are surrounded by coral reefs and have a sub-tropical climate. They are really not part of Africa, and the people don't consider themselves African, although the country is a member of the OAU. Most of the islands' multi-racial population descended from Indian immigrants and contract laborors. Mauritius bears the dubious distinction of being the home of the now extinct flightless dodo bird. Mauritius was uninhabited when settled in 1638 by the Dutch, who introduced sugar cane. France took over in 1721 bringing African slaves. Britian ruled from 1810 to March 12, 1968, bringing Indian workers for sugar plantations. The economy suffered in the 1970's because of low world sugar prices. The current Prime Minister is Aneerood Jugnauth.

MAURITIUS

9709 0359 MBC ending French at 0359, at 0400 time pips and ID "Its eight o'clock . . . This is the Mauritius Broadcasting Corp. Here is the news for March 5, 1985. First, the headlines . . ." Into international and national news in English. This was a weak signal and some slight interference.

A big SPEEDX thank you to Artie Bigley, San Antonio, TX for his direct logging contribution for this great catch! Its a tough one.

MOROCCO RTVM, VOA Relay, R. Mediterranee International

1920 2159 RTVM: AA; mx to 2201, OM tx and clear "Huna Ribat", 7/7to 15335, Jordan may use 11920, but Morocco certainly dominate here. 444(2-23 Sharp-FL). @2340 (t) AA; long selections of AA mx, w/YL tx between. 221(2-15 Chickereil-WV).
 5335 1456 RTVM: AA; vocal mx to exactly 1500, then OM ID and into mx, splatter de unid stn on low side. 433(3-2 Sharp-FL).
 7595 1613 RTVM: AA; OM recites from the Koran. 544(2-15 Margolis-IL).

OZAMBIQUE R. Mocambique- Maputo, Beira

918 0400 RM- Maputo: FF/vern; typical free and ezy Af hi-life mx, excellent sig, OM/YL tx, light QRN. 333(2-14 Witte-CA).
 576 1411 RM: (t): PP; possibly the one w/lcl vocals and low key OM tx causing a het w/R. Australia on 9580, needs more work. Thanks to Satoshi Miyauchi- Japan, for the tip.
 518 0358 RM- Maputo: PP; ID by OM, ments of Maputo. 233(2-4 Gray-MI). @0442 PP; wide assortment of PP vcls, seemingly YL tx 1453, but ments to get positive ID, severe QRM here. 322(2-23 Sharp-FL).
 18 0620 RM- Maputo: PP; American & PP pop mx, brief promos, ID by YL at 0632 "em

Maputo". 242(2-25 Wegner-TX).
9618 1838 RM- Maputo: EE; Lionel Richie pop mx, OM w/ID "This is Radio Maputo, the external service of RM." 211(2-15 Quaglieri-NY).

NAMIBIA

R. SWA- Windhoek
3270 0200 R. SWA: EE; pop mx, Broadway tunes "Sound of Music", //to slightly better 3295. 232(2-2 Desrosiers-MA).
3270 0354 R. SWA: ??; pop and folk songs, OM ancrr EE ID at 0400, then more Afro mx. 453(2-2 Hesch-NY). stations.
3270 2325 R. SWA: vern; hi-life mx, very poor audio, ID 2330 by OM. 332(2-21 Gray-MI).
3295 0200 R. SWA: EE; mx- pop US oldies including "Doo Wa Ditty", some hits. 332(2-7 Gray-MI). @0407 Afk; tx de OM, ID "Dit is R. Suidwes Afrika", into light mx, //to worse 3270 w/underneath UTE. 333(2-25 Sharp-FL).
4965 0535 SABC: Unid; tx between 2 OM, brief soft rock intervals, several ments of S Africa. 343(2-13 Wegner-TX).

NOTE: In a recent telephone call, Sandy Manning advises that the 3270 and 3295 frequencies are simultaneous only from 2200-0400 for the all-night service, they then break off into separate programming. EE programs are primarily aired 2000-2200 about 4 times per week.

NIGERIA

VON, FRCN
4770 0453 FRCN- Kaduna: EE; rhythmic native mx until 0500 when YL gave time and ID as "This is the Inland Service of Radio Nigeria, Kaduna." 433(2-15 Brewer-AR).
4770 2110 FRCN- Kaduna: EE; tx abt health centers, the nx. 434(2-11 Bishop-NY). @2150 EE; rpt on the trade fair in Kaduna, nx headlines, ID. 433(2-16 Gerstner-NY). @2200 EE; regional nx by OM, TC, and pgm "Mx Around Africa." 222(2-9 Schmautz-NY). @2228 EE; OM w/"People & Events", ID, mx. 443(2-11 Schlick-WI). @2238 EE; African hi-life, ID, poor mod. 433(2-9 Gray-MI). @2248 EE; reggae mx to 2252, then OM TC, more mx. 444(3-1 Sharp-FL). @2300 EE; TC, brief nx roundup w/YL, S/OFF ancmts, then NA. 353(2-27 Welch-MA).
5965 0431 FRCN- Jos: R. Plateau: EE; singing till 0433, YL ID, brief hymn, then pledge by group, another ID and details of coming programs, lots of QRN. 232(2-16 Hosmer-MI). (ed- a good one Don! Anyone else on this?).
6050 2155 FRCN- Ibadan: EE; soul mx till nx at 2200, ID as "This news is coming to you from Radio Nigeria broadcasting from Ibadan." 322(2-19 Forsgren-WI).
7255 0502 VON- Lagos: EE; message from the government about famine and rationing. 433(3-10 Manning-TX). @0539 EE; OM cmty, ID, nx and into FF. 444(2-14 Schlick-WI).
7255 1949 VON- Lagos: EE; African nx, ID and TC at 2000, off air 2001-2009 w/transmitter problems. 353(3-2 Welch-MA).
11770 2000 VON- Lagos: EE; nx about Nigerian-Gambian relations, then African tribal mx. 323(2-18 Dillon-DC). @2025 EE; Studio 7, nx, cmty on problems to increase ag production, S/OFF at 2100. 333(2-17 Gerstner-NY).
15119 2150 VON- Lagos: FF; OM tx w/possible wld nx, then TC and freqs, mx and off at 2158. 333(3-15 Abbinante-IL).

RWANDA

R. Rwandaise, RDW Relay- Kigali
15270 2340 DW Relay: GG; ID at 2340, into mx, //15410 via Antigua. 444(3-4 Rocker-MS).
17800 1232 DW Relay: EE; nx, followed by cmty on unemployment in Germany at 10%. 353(2-10 Welch-MA). @1302 EE; OM tx abt women in politics, YL tx abt Solidarity, Wednesday edition of GG Today, OM w/nx abt Africa, freqs by YL. 454(2-6 Bingham-MA).

SAO TOME PRINCE

R. Nacional
4806 2211 RN: (t): PP; OM tx w/reference to African mainland countries, but no positive ID, lots of splatter de ANO on high side. 222(3-5 Sharp-FL). (ed- wow!!! Let's all work on this one for next month; a good TARGET: AFRICA subject.)

SENEGAL

ORTS- Dakar
4890 0558 ORTS- Dakar: FF; IS, NA, ID w/S/ON ancmts by OM, TP at 0600, then wld nx, 0603 into AA recitations, good sig. 444(2-18 Schmautz-NY). @0610 AA; chanting and Quran recitations. 333(2-14 Cooper-CA).
4890 2139 ORTS- Dakar: FF; sounds like an African drama. 444(2-11 Bishop-NY). @2205 FF; OM w/nx abt Senegal & Africa, correspondent's report, mideast nx, mx between stories. 343(2-26 Dillon-MD). @2245 FF; hi-life and other mx, ID 2254, OM tx, chants and African mx. 333(2-9 Weikel-MI). @2320 Tribal (Wolot?); OM tx in lcl lang, Kouco mx featured, always good reception here. 444(2-26 Sharp-FL).

SEYCHELLES

FEBA
7275 0210 FEBA: unid; tx in unid lang, IS, mx, discussion by YL/OM, guitar mx, ID as "Fee-Baa Radio" by YL, IS, and S/OFF at 0244. 433(2-19 Carlson-WA).
11855 0230 FEBA: ??; mx, no ID, tentative. 434(2-25 Hunt-NC). (ed- I have a recent listing on this stn on tis freq, but time of 0400. Anyone help out on a positive ID for this time?).

SIERRA LEONE

5980 2145 SLBS- Waterloo
 SLBS- Waterloo: EE/Krjo?; variety of mx w/tx de YL, phone number for Freetown given, splatter de Radio Macarena, Columbia on 5975. 322(2-28 Sharp-FL).

SOMALIA

7200 0438 SBS, R. Mogadishu
 RM: Somali; OM tx w/distinct Somali mx, 95% copy w/out ARO QRM, AROs not here because of co-channel jamming (intended for RFE/RL. 333(2-23 Sharp-FL).

SOUTH AFRICA

3230 0305 RSA, SABC
 R. RSA: EE; SA nx, roits at crossroads squatters' camp, ID. 343(2-19 Goodman-IA). @0310 EE; African nx, best sig hrd here in a long time! fair(2-15 Cereghin-MD). @0330 EE; ID and freqs, //4990. 243(2-23 May-OH). @0330 EE; disco mx "Ready for the 80's" w/Village People, excellent audio, then "Good Morning Africa, //4990, 5980, 7270, 9585, nx at 0400. 333(2-2 Desrosiers-MA). Also 343(3-3 Speer-CA).

3250 0302 SABC- Radio Five: EE; ad for skin cream, nat'l nx, sports, TC w/QSB. 332(2-20 Goodman-IA). @0403 EE; rock mx, ad for Camel Lights, telephone calls, more rock mx. 2+42+(2-10 D'Angelo-PA). @0405 EE; wld nx, ads, pop mx, IDs. 353(2-22 May-OH). @0426 EE; pgm here w/ads and pop mx, ments of Pt. London, I never thought SABC was commercial. 333(3-1 Sharp-FL). @0500 EE; pop mx, train delays in getting to Durban, ID as "here on Five." (Speer-CA).

3930 0345 Capital Radio- Transkei: EE; mx show with OM DJ, ID, TC UTC+2 hours, nx at 0400, ads for Lexington cigs, ments of Stevie Wonder arrested in DC. 333(2-15 Hosmer-MI). @0420 EE; OM lcl TC, chance to win Rod Stewart concert tickets, into top 40 song "The Heat Is On", some ARO QRM. 433(2-25 Sharp-FL). @0425 EE; jazz mx, commercial for tobacco, ID at 0434. 212(3-2 Gurley-TX).

4835 0405 SABC: EE; half hr ag pgm, cmtly on wld disease crisis, then "Radio Today". 322(3-11 Manning-TX). @0416 EE; OM and "Agriculture Journal". 454(2-28 Bair-CA). @0430 EE; nx, interview w/college prof abt doctors in over supply in SA. 333(2-27 Gurley-TX). @0432 EE; YL ID as "this is the EE svce of the SABC" and into "Radio Today" pgm and tx on N. Ireland. 433(3-1 Sharp-FL).

4880 0448 SABC: Afk; tx abt USA-RSA relations, ID as RSA, tx on release of political prisoner. 333(3-1 Speer-CA). Also 333(2-2 Desrosiers-MA).

4880 2159 SABC: Afk; caught S/OFF ancmts by YL, NA, 5 TP to exactly 2200, and then they pulled the plug. 333(2-27 Sharp-FL).

4990 0259 RSA: EE; IS, then ancmt by OM, then covered by co-channel SS stn, at 0304 faded back on top. 433(2-13 Scheel-IA). @0300 EE; OM TC, cmtly, pgm "Talking Point", discussion abt economic development in SA. 322(2-27 Bingham-MA). @0323 EE; DX Corner. 323(2-17 Bishop-NY). @0340 EE; piano mx, ID by OM 0345, cmtly on genetics, QRM. 322(2-4 Gray-MI). @0406 EE; nx followed by tx on Zimbabwe, EE ended at 0430. 252(2-9 Welch-MA).

5980 0200 RSA: EE; lcl TC, "Africa Today", OM w/freqs, cmtly on health care. 333(2-15 Bingham-MA). Also at 0200: EE; leader of National African Congress specifies five conditions which SA government must follow in future. 342(2-10 Bowden-CA). Also rpts for 342(2-26 Bowden-CA), & 443(3-3 Bowden-CA). @0453 Lozi; Afro vocals w/ancmts by OM, targeted for Zambia. 252(2-9 Welch-MA).

6010 0227 RSA: EE; "Africa Today", tx about SA tourist can now visit Germany, also pgm abt SA authors. 444(2-15 Bingham-MA).

7150 0350 Capital Radio- Transkei: EE; R&R oldies w/contest promos, ID "You're listening to CR- 604 MW, 585 for the East Cape . . ." at 0400. fair(2-10 Sheedy-CA).

7270 0412 RSA: EE; nx by OM, ID 0414, story on archeology. 333(2-4 Gray-MI).

9585 *0428 RSA: FF; ancmt in EE, then into FF w/YL reading nx. 333(2-9 Duncan-NC).

9585 *2059 RSA: EE; S/ON ID, march mx, "Africa Today", lcl TC, nx, cmtly on public transportation in SA. 454(2-8 Bingham-MA). @2130 EE; pgm on animals in SA, leopards and baboons. 444(2-17 Hunt-NC). @2145 EE; OM w/best skeds for other stns- like Dubai, strong QRM de 9580. 222(2-9 Duncan-NC).

9615 *0200 RSA: EE; ID, nx, "Mailbag" pgm, interview w/Pan Am Airways marketing director for SA, then "DX Program". 554(2-3 Hesch-NY). Also at 0200: EE; OM ID, nx of Africa, pop mx. 444(2-13 Addison-KS). EE; IS, ID, TC, freqs, nx abt Africa. 454(3-2 Thompson-NM). @0210 EE; the usual RSA political line in defense of apartheid, S/OFF at 0256. V gd(2-22 Palmer-WA). (ed- Hi Bob!). @0233 EE; tx abt small business in SA, then tx on movie awards. 454(2-27 Bingham-MA). @0245 EE; OM on athletics, ments of Budd the runner. 544(2-13 Valentine-CA). @0247 EE; RSA's "DX Corner" with SPEEDX rpt of loggings. (ed- produced by "Mr. Africa"- David Sharp.) 544(2-24 Sharp-FL).

9620 0200 RSA: EE; nx followed by cmtly, very strong sig. 545(2-19 C. White-KS). (ed- has anyone else hrd this freq, or is this drifted up from 9615?).

11900 0606 RSA: FF; ancr w/rock mx, DX pgm in EE at 0630. 312(2-10 F. White-FL).

11900 2100 RSA: EE; nx. 444(2-17 Hunt-NC). @2128 EE; tx abt small wildlife predators in SA, tx abt Haley's Comet, nx, off air at 2159. 353(2-8 Bingham-MA). @2130 EE; gold prices in current market, slight/mod fading. 252(2-18 Bowden-CA).

25825 0252 RSA: EE; OM w/"Africa Today", ID. 444(2-12 Schlick-WI).

SUDAN

NBC- R. Omdurman
 5039 0408 R. Omdurman: AA; recitations till 0415, TP and ID "Huna Omdurman", then OM tx w/flute mx in background, then possible nx, gone by 0448, hehs. 222(3-10 Hosmer-MI). @0420 AA; noted here similar as last month, lots of flute mx and occasional breaks for OM ID and ancmts, great listening! 433(3-1 Sharp-FL). @0425 AA; Sudanese mx until TP at 0030, ID, and nx. 211(2-15 Forsgren-WI).

SWAZILAND

TWR- Manzini
 3200 0315 TWR: ??; tent; wild pgm- sounded like a revival in some jungle tribe w/alot of whooping and hollering, no ID. fair(2-15 Cereghin-MD). @0413 GG/EE; hymns and OM tx in GG, then into EE at 0430 w/ID. 211(2-26 Speer-CA).
 5055 0357 TWR: EE/GG; chime IS w/EE OM ID to 0400, then beginning of GG rel pgm, co-channel QRM but otherwise good. 333(3-5 Sharp-FL). Also at 0357: GG; IS, EE ID, co-channel w/Foro del Caribe. 232(2-23 May-OH).
 5955 0357 TWR: EE/GG; IS and ID in EE then into GG. 242(2-9 Welch-MA). @0415 EE/GG; hymn "the Church has one Foundation" in EE, cmty in GG. 232(2-14 Weikel-MI).
 7300nf 0530 TWR: ??; noted on this new freq w/rel pgms and lcl TC. (3-5 Bigley-TX).
 9785 1635 TWR: EE; S/ON w/ID, this freq not in WRTH. 444(2-28 Witte-CA).

TOGO

RT Togolaise- R. Lome, R. Kara
 5047 0544 RTT- R. Lome: FF; as usual mx coming through loud and clear, but audio otherwise weak & undermodulated, OM ments of Lome at 0550. 444(3-1 Sharp-FL).
 5047 2150 RTT- R. Lome: FF; classic mx, OM w/wld nx at 2200, ID at 2215, more classical mx. 232(2-28 Dillon-MD).

UGANDA

R. Uganda- Kampala
 5024 0420 R. Uganda: EE/??; OM w/lcl events list, messages to and from family members, obits, into lcl lang at 0428, some RTTY QRM. 333(2-16 Hosmer-MI). (ed- this has probably drifted down from nominal 5027). @0429 on 5030: EE; OM lcl nx & ancmts, clr ment of "UBC" and Kampala, a regular one here lately. 433(2-23 Sharp-FL). (ed- David, I assume this is off freq from 5027, also).

ZAIRE

LV de Zaire- R. Lubumbashi, R. Kinshasa; Radio Candip
 4750 0358 R. Lubumbashi: ??; IS, NA at 0358, into hi-life and no anc heard to 0430. 232(1-29 Quaglieri-NY). @0446 FF/lcl vern; noted here again on good Afro nite w/lcl mx and US/UK pop mx, into FF w/OM tx, also possibly Swahili but this is NOT Cameroon. 343(3-1 Sharp-FL).

ZAMBIA

R. Zambia- Lusaka
 4910 0410 R. Zambia: lcl; mx and into what I could only describe as "bird calls" (ala old Tarzan movies), OM ment "ZBS" at 0413, beautiful sigs here lately. 444(2-23 Sharp-FL). @0420 EE/vern; mx "Some Kind of Woman", mixed w/tx by OM, then Afro chant type mx at 0450. 243(2-9 Weikel-MI). @0420 ??; mx w/tx by DJ interspersed throughout, clr ID at 0500. (2-24 B. Jones-TX). @0451 Vern; singing till 0459, OM in broken EE w/address Box 7044, 0500 TP, then into rel pgm but no nx tonight, hummer het. 322(3-10 Hosmer-MI). (ed- the new R-71 is really working great, huh Don!). @0451 vern; YL anc w/tx, then into sould mx, ID, Afro mx. 333(2-7 Trotto-FL).

The Following 54 SPEEDXers made this information available to you:

Phil Abbinante	Richard D'Angelo	Billy Hunt	Dan Sheedy
Joe Addison	Robert Desrosiers	Brian Jones	Richard Speer
Mason Bair	Peter Dillon	Earle Lord	Glenn Thompson
Jason Berri	Gregory Duncan	Sandy Manning	Ron Trotto
Artie Bigley	Mike Femyer	Robert Margolis	Fred Valentine
Frank Bingham	Ray Forsgren	Ronald May	Bob Wallenhorst
Forrest Bishop	John Gerstner	Bob Palmer	Michael Wegner
Ralph Bowden	Joel Goodman	Al Quaglieri	Frank Weikel
Don Brewer	Speed Gray	Raymond Rocker	Frank Welch
Peter Card	Norman Grosvenor	Michael Scheel	Clarence White
Virgil Carlson	Ted Gurley	Toby Schlick	Frederick White
John Cereghin	Ted Habak	Scott Schmutz	Craig Wicks
Larry Chickercell	Ruth Hesch	Davis Sharp	Marjorie Witte
Eric Cooper	Don Hosmer		

Springtime brings choices most perplexing; go play golf or stay home for some DXing!

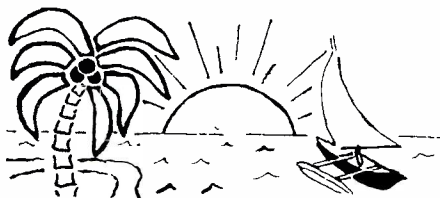
Hopefully, with the good weather at hand, that logging contributions will not drop off too much as everyone heads outside. Hope to hear from you all next month. That's all for now. Good listening!

Speed

ASIA-OCEANIA

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DEADLINE: 12th of each month
FREQUENCIES IN KILOHERTZ
TIMES ARE IN GMT
0000=sign on 0000=sign off

Lots of goodies in the mail this month! Just today I received a copy of the brand new publication "THE SPEEDX Guide to Latin American DXing. I've only had time to skim over the contents of this 36 page booklet written by our distinguished WH editor, John Cereghin along with veteran LAM DXer Carl Huffaker, but I can see that it is an excellent manual, well worth the \$2.50 cost (\$2.25 for full members). The contents of this well-thought-out booklet will help propel the novice LAM DXer into the ranks of the experts, and at the same time, provide the expert with much valuable information, all in one handy source of reference. Order your copy from HQ today!

Now onto something more pertinent to this column. Ruth Hesch-NY kindly forwarded a copy of the "Asian DX Review", a publication of the Indian DX Club International. This 20 page mag contains some very good info on what is being heard in the Indian subcontinent, much of what I can use in the A/O column. Any references to this publication will be abbreviated "ADXR". A sample copy can be had by mailing 4 IRCs to: Indian DX Club International, G.P.O. Box 646, Calcutta 700 001, India. The bulletin is completely in the English language.

Also, Bob Palmer-WA passed along copies of the URSC (mentioned in the March 85 A/O column) publication "Orbita" as well as excerpts from their USSR DXING HANDBOOK. The frequency lists and program descriptions from these brochures will come in mighty handy when I'm trying to sort out and understand reported broadcasts from the USSR. Thanks to both Ruth and Bob; your contributions will definitely make my job a lot easier!

Now onto the loggings (looks like another 8 pager!); be sure to check out the nice selections from Malaysia and Papua New Guinea....

BANGLADESH

R. Bangladesh

7355	1847	RB: EE: Indian mx; ID @ 1900, slo-speed nx; catch this now while the band is still active this early (233 2/28 Quagliari-NY)
9775	1343	RB: EE: closing anncts, ID, test-tone & 1345* (333 2/26 Sharp-FL)
11935	1229	RB: EE: ID by OM; wld nx, nice mx (343 2/10 Leite-MA) @ 1245 w/cnty on death of Chernenko; mx; wiped out by Austrian Radio s/on @ 1258 (fr 3/11 Thunberg-PA)

CHINA (PEOPLE'S REPUBLIC)

R. Beijing and regionals

3200	1250	Fujian Front Stn 2: tlks; CC vel & instl mx; TPs @ 1500 (353 2/28 Thompson-NM) @ 1411 w/opera (222 2/15 Cooper-CA)
3300	1536	RFSS-2: CC: tlks, CC instl mx; RTTY QRM (312 3/1 Berri-CA)
4020	1145	R. Beijing: KK: Asian mx, tlk; ID @ 1200, nx (333 2/24 Prath-FL)
4045	1245	RFSS-1: CC: tlks; vcl & instl mx; TPs (454 2/20 Thompson-NM)
4380	1300	RFSS-2: CC: drama before a live audience (454 2/19 Thompson-NM)
4990	1347	PPBS-1 Hunan: EE/CC: EE lang lesson w/OM & YL (444 2/18 Berri-CA)
5170	1200	RFSS-2: Amoy: TPs, ID by YL, mx then OM tlk (332 2/9 Trotto-FL)
5265	1034	RFSS-1: CC: YL vcls, OM w/tlk (453 2/8 Hesch-NY)
5950	1330	Xizang-Tibet: Tibetan: organ & piano mx, some tlk; IS & 1400* (454 2/26 Thompson-NM) 85 WRTH lists 1545*...ed.
6890	1242	CPBS-2 Beijing: CC: tlk; apparent ID @ 1251; gd copy (444 2/27 Sharp-FL)
6933	2250	RB: SS: Euro svc of class & SS vel mx; // 7375 (332 2/10 Chickereill-WV)
6955	1108	RB: JJ: YL tlk, mx; lang lesson (242 2/21 Trotto-FL)
7105	1256	PPBS Hohhot: CC: opera w/OM narration (345 2/27 Sharp-FL) 85 WRTH does not list this freq tho 84 does; possibly still in use...ed.
7480	1106	RB: JJ: OM w/poss. nx; full ID (343 2/22 Trotto-FL)
7515	1420	CPBS-1 Beijing: EE/CC: EE reading of book translated into CC (323 2/8 Lord-CA)
9535	1200	RB: EE: disc of trade btwn China & UK (353 3/5 Bowden-CA)
9570	1620	RB: EE: Afro svc of mx; ID @ 1626 (433 2/6 Berri-CA)
9670	1015	CPBS-2 Beijing: CC: pgm of instl mx; 1040 f/out (252 2/24 Welch-MA) @ 1514 in EE: tlk on life in China; instl mx; gd sig hrd daily (353 Miller-CA)

CHINA

9700 1505 RB: EE: wld nx; tlk on film festival (544 2/22 Miller-CA)
 9730 1545 RB: EE: S. Asian svc; "Listener's Letterbox"; 1555* (242 3/3 Femyer-AZ)
 Spotlight on Tsinghai prov.(Berri-CA) "Learning CC" (433 2/18 Carlson-WA)
 9820 *1200 RB: EE: wld nx & spts; "Travel Talk"; CC mx (555 Neuwirth-CO) nx of USSR
 criticism of US "Star Wars" concept (151 2/22 Bowden-CA)
 9880 0020 RB: EE: tlk on hotels in Beijing (353 2/13 Welch-MA)
 9965 1912 RB: Albanian: CC mx w/YL anncr; // 7470 (poor 2/24 Palmer-WA)
 11860 0000 RB: EE: nx of fighting in Kampuchea (252 2/8 Bowden-CA) Chinese nx fea-
 tures; cmtly on world farm problems (343 2/25 White-KS)
 15105 0058 RB: SS: IS, ID "Aqui R. Pekin"; orch mx, nx (454 2/24 Thompson-NM)
 15225 2353 RB: SS: s/off anncts incl sked to LAM (433 2/26 Sharp-FL)

C Y P R U S

6030 2210 CBC: GK: guitar IS; s/on anncts, poss. nxcast & comedy pgm; 2245*; hvy
 co-channel QRM de AFRTS (232 3/3 Welch-MA)
 7105 0400 BBC: EE: cmtly on space weapons & on the IRA (454 2/20 Keenan-CA)
 9580 0610 BBC: EE: World Svc nx (555 2/8 White-FL)
 9590 0030 BBC: EE: church svc; modern adaptation of "Cinderella"(444 2/25 Moll-MI)
 17885 1728 BBC: EE: Afro svc w/disc of hepatitis & liver cancer in Africa (333 1/31
 Brewer-AR) nx of release of jailed BBC correspondent in Pakistan (151
 2/24 Bowden-CA)

I N D I A

7260t 1318 AIR-Aligarh: unid: per Palmer tip, hrd unusual asst of mx & OM tlk; hvy
 ARO QRM; needs more work (222 2/25 Sharp-FL)
 9545 1345 AIR-Delhi: EE: "Songs From the Punjab"; intvw w/rep from UK on agricul-
 ture (323 2/12 May-OH) Indian mx; QRM (222 2/25 Sharp-FL)
 11620 2111 AIR-Delhi: EE: chants; intvw w/OM (222 2/16 Friberg-NH) @ 2027 w/Indian
 vols; gd sig strength but audio muffled (433 2/25 Sharp-FL)
 15335 1210 AIR-Madras: Tamil?: Indian mx; ID @ 1225, nx; 1229*(433 2/21 Sharp-FL)

I N D O N E S I A

3215 1245 RRI Manado: IN: rock mx; ID into Jakarta relay @ 1300; more complete ID
 after nx (443 2/26 Forsgren-WI)
 3265 1240 RRI Gorontalo: IN: Qur'an w/some AA mx till ID @ 1258, then IS into Ja-
 karta nx relay (353 2/21 Forsgren-WI) nice catches Ray...RBT
 3345 1320 RRI Ternate: IN: ME mx, tlks; ID @ 1328 (444 2/18 Berri-CA)
 4000 1450 RRI Kendari: IN: gd Indo mx; ID by OM, IS, nx; 1515*; bad ARO QRM (322
 2/25 Carlson-WA) @ 1335 (423 2/18 Berri-CA)
 4699t 1504 RKIP Surabaya (listed): IN: nx & speech by OM; gong chime; mx w/YL w/
 high-pitched voice-Javanese sound; gone by 1522 (242 2/18 Sharpe-CA)
 4719 1230 RRI Ujung Pandang: IN: tlks; Indo vcl mx; nx w/ments of Washington and
 Sudan; no RTTY QRM (454 3/2 Thompson-NM) @ 1340: IN: pop mx (listeners
 requests); full ID @ 1400; beacon QRM (322 2/12 Sharpe-CA)
 4920t 1525 RRI Tanjung Pinang: IN: Indian-type mx; pgm info; OM recites Qur'an; pop
 mx (222 2/18 Sharpe-CA)
 4931 1356 RRI Surakarta: IN: mx; ID "Surakarta" & wavelengths, nx(434 2/18 Berri-CA)
 5045 1545 RRI Jayapura: IN/EE: Indo mx pgm; TC @ 1559, nx; EE ID(333 2/12 Witte-CA)
 5257t 1400 RRI Sibolga: IN: Indo vcl mx; OM w/tlk (poss. ID) (433 2/18 Berri-CA)
 9680 1555 RRI Foreign Svc: IN: IS, ID, nx @ 1600; Indo mx; 1705*; hrd //s 11770 &
 7270 (433 2/21 Carlson-WA)
 11770 1525 RRI Jakarta: IN: mx, ID @ 1530 into nx; this stn hrd better than RRI
 foreign svc on 11790 (545 3/4 Berri-CA) Indo pop mx; OM w/bcst info,
 "SCI", into hourly nx (444 2/27 Sharpe-CA)

I sure envy you people on the West Coast-anyone want to trade QTHs for a while? Hi...RBT

I R A N

9022 *1930 VOIRI: EE: "From our studios in Tehran, this is the VOIRI", trumpet fan-
 fare, anthem, s/on anncts; Qur'an recitation & translation; nx @ 1938;
 feature on Malcolm X & greetings to United Muslim fighters of Afghanis-
 tan; 2030* (355 2/22 D'Angelo-PA) cmtly on Iran/Iraq war (222 2/23 McKeon-
 IN) tlk abt usury (232 2/16 Dillon-DC) @ 2125 in Farsi (353 2/20 Welch-MA)
 @ 2321 in unid lang: mx, ID; Ute QRM (252 2/20 Trotto-FL)
 15084 1715 VOIRI: Farsi: tlk, lcl mx (343 3/3 Goodman-IA)

I R A Q

9610 *2128 R. Baghdad
RB: EE: pgm, mx; nx @ 2139; QRM de R. Vatican on 9615 (333 2/11 Welch-
 MA) nx, cmtly on Iran, weekly Palestine pgm (533 2/14 Gerstner-NY)

If anyone has an Arabic-language report form, I would greatly appreciate a copy...RBT

I S R A E L

7412 *0000 Kol Israel
 KI:EE: ME & wld nx; intvw w/tourist (444 2/20 Bishop-NY)(453 2/19 Keenan-CA)(444 2/15 May-OH) @ 0110 w/"Israel Mosaic (444 2/25 Langlois-GA) "Forum" (444 2/27 Dillon-DC) @ 0210: intvws w/defense forces (333 2/27 Wallenhorst-OH) & @ 2232 w/tlk on Soviet Jews (343 2/12 Bingham-MA)
 7465 2200 KI Reshet Bet: HH: Home Svc "B" pgm of nx & mx (333 2/10 Chickereil-WV) @ 0442 in AA: instl US pop mx; ID & tlk (344 2/8 Trotto-FL)
 9009 2000 KI: EE: sked, nx; Report from Tel Aviv (242 2/12 Bingham-MA) @ 2155 in RR to USSR; tlk, IS, TP into FF @ 2200 (121 2/10 Chickereil-WV)
 9390 1804 KI: EE: nx of US reporter who escaped terrorists (343 2/15 Bingham-MA)
 9440 *0000 KI: EE: nx abt Lebanon; //7412 (323 2/8 Duncan-NC) @ 2000 w/disc of Egyptian relations (434 2/2 Hunt-NC)(Bingham-MA)(Welch-MA) @ 0200 with report on peace proposals by Jordan & PLO (252 3/1 Bowden-CA)
 9815 2358 KI: EE: IS, tlk on Lebanon (343 2/23 Zirkelbach-CA) @ 2245 w/"DX Corner" (fr 2/24 Beaver-IN) Israeli songs of 50's (232 2/12 Scheel-IA) @ 0103 (Bingham-MA)(Hunt-NC) @ *0200 (Moll-MI) (Thompson-CA) (Bowden-CA)
 11585 1802 KI: EE: tlk abt Israeli forces in Lebanon, wx (222 2/12 Bingham-MA)
 11655 1110 KI: EE: tlk abt Spring in Israel; ad for "Drink-A-Soup"(232 Bingham-MA)

J A P A N

3295 0730 NSB (R. Tanpa): JJ: pop mx; ID; tlk w/laughter (333 2/26 Speer-CA)
 3910 1000 FEN: EE: disc on US/Japanese food trade (252 2/27 Bowden-CA)
 6155 1400 FEN: EE: ABC nx, anniv. of landing on Iwo Jima (333 2/19 Bowden-CA)
 7235 1548 RJ: EE: tlk on Japanese history (444 2/7 Berri-CA)
 9505 1300 RJ: EE: "Current Affairs"; econ nx, cmty; mx (454 2/15 Thompson-NM)(544 3/5 Miller-CA) @ *1500 nx, "Current Topics"; "Let's Practice Japanese" (545 to 353 2/1 Neuverth-CO) @ 0644 w/nx & lcl mx (433 2/7 Lord-CA) @ 1710 w/cmty on Soviet leaders (333 2/16 Grosvenor-CA)
 9645 1530 RJ: Hindi: S. Asian & Afro svc; ID, YL w/nx (434 2/19 Berri-CA)
 11710 0020 RJ: EE: rock mx, short nx items (222 2/8 Duncan-NC) (111 2/20 Bishop-NY)
 11815 1500 RJ: EE: report on earthquake in Chile (151 3/4 Bowden-CA)
 15210 2300 RJ: EE: nx of fighting along Thailand/Kampuchean border (151 3/5 Bowden-CA) @ 2358 w/IS, ID in EE/JJ into JJ pgm @ 0000 (233 2/25 White-KS)
 15235 0857 RJ: EE: 2 xmtrs in simultaneous operation: one w/EE for Austl/NZ, the other w/EE Genl Svc; badly mixed here (2/7 Miyauchi-JP) @ 2300 in EE: nx of Soviet warships in South China Sea (151 2/22 Bowden-CA)
 17755 2300 RJ: EE: Jap. business leaders in S.E. Asia (252 2/13 Bowden-CA) tlk abt "Team Spirit 85" military exercise in Korea (444 2/12 Scheel-IA) @ 0116 w/cmty on earthquake warnings (454 2/19 Manderscheid-CA)
 17825 0149 RJ: EE: nx; no polar flutter but QSB was choppy (353 2/28 Scheel-IA)

J O R D A N: I'm still receiving reports of HKBS on 11920 kHz, some saying that an ID was hrd, though no ID text was included. I'm pretty sure what is being hrd is actually RIM Morocco, even if the WRTH does not list this freq (they do list 11960). If you do some checking, you will probably find 15335 in // w/ 11920. Maybe I'm wrong-I would like to think so as it would be great to hear HKBS this strongly. Any help would be appreciated...RBT

K O R E A (PEOPLE'S DEM. REP.)

4120t 1215 R. Pyongyang
V. of Rev. Party for Reunification: KK(?): short interludes of oriental mx btwn tlk by OM; QRN & QSB; gone by 1235 (131 2/2 Dillon-DC) This stn is hrd w/EE at 1400 till 1430* on 4120 & 4557. Announces its QTH as Seoul but then begins its nx saying "The great leader Comrade Kim Il Sung has said..." (ADXR 12/84) Maybe you West Coast DXers could hear the EE xmen...RBT
 9745 1225 RP: EE: pgm abt KK mx; //9977 (343 2/19 Soomre-MA) (342 3/5 Bowden-CA) @ 1415 in SS: EZL SS mx; Lam svc (453 2/11 Hardester-CA)(Thunberg-PA)
 9765 0805 RP: EE: nx of building dams; ID; hvy QSB (252 2/19 Keenan-CA)
 9977 1500 RP: EE: self-exiled S. Korean leader attacked by S. Korea police upon return to Seoul (353 2/8 Bowden-CA) @ 1700 w/anti-US propaganda (444 2/23 Zirkelbach-CA) @ 1918 in KK: political harangue; //9625 (jammed) & 11880 (fr 2/24 Palmer-WA)
 11660 *1900 RP: GG: anthem, s/on anncets, sked into nx; //9630 (fr) & 6576 (pr) (pr 2/24 Palmer-WA)
 15230 2345 RP: EE: tlk on medical advances in Korea (343 3/4 Rocker-MS)

K O R E A (REPUBLIC OF)

6015 1424 Korean Broadcasting System; R. Korea
KBS: KK: tlk & cmty. Acc. to WRTH this is a "social education" xmen for the North (propaganda no doubt) (333 2/15 Cooper-CA)
 6175 1325 RK: CC: IDs, CC mx, tlks by OM; Soviet co-channel QRN (334 3/4 Miller-CA)
 7275 0930 RK: EE: nx: 31,000 Koreans traveled overseas last year(252 2/27 Bowden-CA)
 7550 2330 RK: KK/EE: World Nx Svc in KK then EE (353 2/26 Sharp-FL)

SOUTH KOREA

9750 1350 RK: EE: mx pgm; xmsn apparently retimed from WRTH listing Of 1400-1500 (444 2/15 Cooper-CA) @ 1355 in KK w/nx; IS, ID into EE nx, mx pgm; KK culture, past & present; "How Do You Do" pgm (544 2/22 Miller-CA) either someone's clock is screwy or KK realized their mistake; their EE xmsn has been on 9750 at 1400 for quite some time...RBT

11810 0240 RK: EE: YL w/sked (444 2/13 Valentine-CA)

13665 0240 RK: EE/KK: KK vols; rock mx; ID, sked & addr for reception reports (454 2/20 Keenan-CA)

15575 0145 RK: EE: nx, cmty on Korean export goals; "Musical Promenade" (533 3/1 Sharpe-CA) KK mx; KK lang lesson; "Seoul Today" (443 2/22 Zirkelbach-CA) disc. of Asian Games & 88 Olympics (242 2/19 Manderscheid-CA)

KUWAIT

9840 2203 RK: AA: OM w/nx; Qur'an & 2213* (454 2/10 Welch-MA)

11675 1857 RK: EE: jazz mx; weekly pgm "Mohammed the Light of Islam"; rock mx (444 2/5 Bingham-MA) US pop mx @ 2018 (544 2/25 Sharp-FL)

LEBANON

6550 2155 VoL: AA: AA mx w/OM tlk; hrd here on decent MidEast openings, though other Lebanese stns (i.e. V. of Hope) not as good (434 2/23 Sharp-FL)

MALAYSIA

(EASTERN) RTV Malaysia

3385 1025 RTM-Miri: lcl lang (not Bahasa Malaysia): OM tlk; relay of RTM Kuching; // 4895 (232 2/3 Miyachi-JP)

4835 1320 RTM-Kuching: Bahasa Malay: vcls & chants; TPs, nx; piano & Malaysian mx (454 3/2 Thompson-NM) @ 1531 w/wld nx, speech & TC by OM; Indo & Malay pop mx; ID, Qur'an, NA & s/off (333 2/14 Sharpe-CA)

4895 1445 RTM-Kuching: Iban(?): western rock mx & disco mx w/Malay words thrown in; best info, NA & s/off (333 2/18 Sharpe-CA)

4950 1030 RTM-Kuching: EE: report on Red Cross HQ in Geneva (3/3 Bowden-CA) @ 1325 in CC: tlks, ID, instl mx (454 2/25 Thompson-NM) @ 1400 in EE: full ID w/freqs incl MW relays; radio drama; mentions it's Blue Network (used to be red?) (acc. to WRTH this should be Red Network as Blue is only to carry pgms in Bidayah lang..ed. (444 2/10 Miyachi-JP) also @ 1530 in EE: rock mx; sked, NA & s/off (333 2/15 Sharpe-CA)

4970 1530 RTM-Kota Kinabalu: Malay: TPs, YL w/Kuala Lumpur ID & nx; lcl ID @ 1535 "Inilah R. Malaysia Kota Kinabalu..."; pop mx; Qur'an & 1600* (343 2/22 Shimada-JP) nx; Malay pop vols; relg tlk; NA & s/off(222 2/12 Sharpe-CA)

5980 0958 RTM-Kota Kinabalu: Bahasa Malay: lcl mx; ID @ 1014; different pgm than on 4970 (242 2/7 Miyachi-JP) @ 1500 w/tlk, drama pgm(444 Thompson-NM)

MALAYSIA

(PENINSULAR)

5965 1615 RTM-Kuala Lumpur: Malay: pop mx, lcl time,nx; relg mx & tlk; tlk on Malaysian air traffic (333 2/15 Sharpe-CA)

6025 1500 RTM-Kuala Lumpur: CC: ID & lcl nx by YL; CC mx; closing anncs @ 1555, NA by chorus (423 2/25 Sharpe-CA)

7295 1145 RTM: EE: mx from "Hello Dolly"; nx & ID @ 1200; ARO splatter (322 2/20 Keenan-CA) @ 1545; IN: mx "'Last Waltz With You" (333 2/15 Witte-CA)

NEPAL

7165t 1236 RN: unid: OM w/tlk, lcl mx; AROs active so no ID hrd, tho pgmning seems to fit; nothing on 9590 (312 2/27 Sharp-FL)

PAKISTAN

9645t 0745 RP: Turk: OM tlk, mx; bad het (252 2/19 Keenan-CA) JP)

15175 *0230 RP: EE: TC, ID; slow-speed nx & 0245*; // 17660 better(252 2/23 Shimada-)

PHILIPPINES

V. of America; R. Veritas Asia; FEBC

6110 1130 VOA: EE: "Issues in the News" pgm (342 3/3 Welch-MA)

7330 1300 VOA: EE: wld nx, "Newslne America"; "Magazine Show"(333 3/1 Thompson-NM)

9675 1500 RVA: EE: relg pgm by catholic order; ex 9670 (241 2/17 Bowden-CA) nx, ID & IS @ 1528 (333 2/20 Berri-CA) @ 1545 in Bengali: relg pgm; sked for 1030-1600 given in EE; 85 WRTH lists 9670-already inaccurate; 1601* (fr 2/22 Palmer-WA)

9700 2230 FEBC: IN(?): IS, ID "FEBC R. Internasional"; relg mx & tlk by OM & YL (422 2/20 Carlson-WA)

9760 1440 VOA: EE: Willis Conover w/guest Dizzy Gillespie & exc pgm of US-type mx performed in USSR by Russian artists; nx @ 1400(fr-pr 2/22 Palmer-WA)

11775 2200 VOA: EE: nx of Viet forces clashing w/Kampuchean resistance forces along Thai border (141 3/5 Bowden-CA)

15290 2335 VOA: EE: nx in special EE to NE Asia (334 3/4 Rucker-MS)

15450 2335 FEBC: EE: nx & upbeat relg mx (454 3/3 Bair-CA)

QATAR

11750 1900 QBS: AA: time sig, ID by YL, nx (444 2/25 Welch-MA)

SAUDI ARABIA

5870 0427 BSKSA: AA: ID, tlk by OM; not // 7290 (333 2/15 Quaglieri-NY)
 5875 0300 BSKSA: AA: prayer, Qur'an recitation (252 2/20 Keenan-CA)
 9655 2034 BSKSA: AA: OM tlk; Qur'an @ 2046; 2100* (343 2/11 Welch-MA)
 9870 1853 BSKSA: AA: drama; ID @ 1901 into nx (gd 2/20 Thunberg-PA) @ 2109 w/AA
 vcl mx; 2130* (353 2/10 Welch-MA)
 15060 1411 BSKSA: AA: AA mx, tlk; good ME pattern today (454 2/26 Sharp-FL)

SINGAPORE

Singapore Bcstng Corp.; BBC
 3915 1600 BBC: EE: nx, cmty on Vienna tlks (444 2/19 Carlson-WA) CA)
 5052 1530 SBC: EE: OM w/MOR mx; ID, nx, wx @ 1600; 1605*; // 11940(444 3/7 Bair-
 9635 1535 SBC: CC: golden oldies rock mx; TPs & nx @ 1600 (333 2/23 Speer-CA)
 9740 1758 BBC: EE: end of speech; IS; "Newsdesk", 1830* (443 3/5 Thompson-CA)
 @ 1300 w/orch mx; "24 Hours", nx summary (353 2/13 Thompson-NM)
 11940 1500 SBC: EE: nx of rioting in S. Africa (342 2/18 Bowden-CA)
 11955 1700 BBC: EE: S. Korean govt reshuffles Cabinet(252 2/18 Bowden-CA)
 15435 0000 BBC: EE: nx of coal miner's strike in Britain (151 2/17 Bowden-CA)

SRI LANKA

Deutsche Welle Relay
 7265 1240 DW: CC: IS, ID; Sri Lanka ID in EE @ 1244; opening w/Beethoven's "Choral
 Symphony"; YL w/nx; QRM de Moscow on 7260 (332 2/23 Shimada-JP)

SYRIA

SARBS; R. Damascus
 7430 0225 SARBS: AA: IS, NA, ID, sked; Qur'an @ 0230 (333 2/23 Wegner-TX)
 9485 2215 RD: AA: pgm w/YL; xmtr problems as off the air several times for sev.
 secs each time (353 2/10 Welch-MA)
 11685 2005 RD: EE: ID; "Welcome to Syria" pgm (454 2/16 Leite-MA) ID, EE sked, pgm
 hilltes, nx (444 2/23 Quaglieri-NY) nx, Syrian lcl topics, mx; 2104* w/
 NA (433 2/26 Soomre-MA)
 12085 2310 RD: AA: piano mx & vcls; 2330 f/out (454 2/14 Thompson-NM)
 17510 1240 RD: EE: Listeners letters read; US pop mx; nx headlines & 1259* (333
 2/16 Denton-KY) mx, "Facts abt Syria" (333 2/12 Klosowski-FL) this freq
 hrd infrequently here & may have been dropped, poss. because 11685 to
 Europe is hrd well in NAM...RBT

TAIWAN

V. of Asia; V. of Free China
 5980 0735 VOA: CC: CC opera w/oriental stringed insts (443 2/27 Fama-CA)
 15270 2202 VOFC: EE: folk story; intvw w/prof from Johns Hopkins; CC lang lesson;mx
 (333 2/23 Zirkelbach-CA) @ 0100 in EE: ID then gone (2/14 Valentine-CA)
 @ 2358 in CC: tone IS; ID @ 0100, CC mx & nx (233 2/26 Sharp-FL)

TURKEY

V. of Turkey
 7215 2110 VOT: EE: tlk abt Turkish War of Independence; pop mx & Turk mx (232 2/14
 Bingham-MA) @ 2148* w/sked & anncts (343 2/11 Welch-MA)
 9560 2300 VOT: EE: nx, review of Turkish Press; "Letter from Turkey" (555 2/16
 Sable-NY) DX pgm w/tlk abt EDXC (444 2/16 Prath-FL)(Cooper-CA) +2
 9755 2350 VOT: EE: mx, sked & s/off (544 2/23 Hunt-NC)
 15220 1330 VOT: unid: MidEast mx (343 2/24 Klosowski-FL) I'm sure you hrd VOT Lori,
 they put a strong sig into ECNA on this freq...RBT

USSR (ASIAN)

R. Moscow World Svc
 4450t 0139 R. Afghanistan relay: unid: ME vcl mx w/OM anncr; not // 4740 which was
 stronger but carrying another svc (211 2/16 Quaglieri-NY)
 4485 1149 Petrovlovsk-Kamchatskiy: RR: opera & piano mx; TP @ 1200 into prob. nx
 (232 2/2 Dillon-DC) @ 0600 w/strong signal (344 2/4 Rocker-MS) @ 0830
 w/relay of R. Tikhv Okean (produced in Vladivostok studios); RR mx then
 into EE nx at 0843 w/rpts on USSR elections & cancelled World Chess
 Championship; back into RR @ 0855 till 0859*. This short EE segment only
 on Sat; wonder if USSR consulate in San Francisco listens to RTO? (555
 2/23 Nowicki-CA) nice report Mike...RBT
 4785t 0436 Baku-Azerbaijan SSR: RR(?): RR opera; have hrd & verified Baku on 4785
 but this time appears a bit late (333 2/25 Sharp-FL) acc. to my calcula-
 tions, reception would be marginal but possible at this hr, and it was
 prob. a lcl lang, not RR...RBT
 4810t 0412 Yerevan-SSR: RR: OM w/tk (222 2/15 Quaglieri-NY)
 5015 1300 Vladivostok ARSFSR: RR: class & folk mx, tlks (454 2/26 Thompson-NM)
 7160 1520 Vladivostok ARSFSR: CC: tlk, mx; tent. ID @ 1525 (433 2/11 Berri-CA) site
 per URSC "Orbita"...ed
 9600 1415 R. Tashkent-Uzbek SSR: EE: poor signal // 9540 (222 2/9 McKeon-IN)
 9625 1235 RMWS Irkutsk-ARSFSR: CC: ments of Washington; chimes @ 1240, trumpet &
 organ mx; RM IS @ 1500 into wld nx (343 2/2 Dillon-DC) site per URSC...ed
 9810 1812 Khabarovsk-ARSFSR: RR: exc. mx pgm; apparently "filler" pgm 1800-1900
 amidst M5 pmning, before & after (gd 2/17 Palmer-WA)
 15455 2320 RM: EE: cmty, propaganda; somewhere in E. Asia judging by propagation
 (455 3/4 Rocker-MS) acc. to URSC either Nikolayev-Ukraine or Petropav-
 lovsk-Kazakh (or even ARSFSR)...RBT

USSR Cont.

17720 2300 RMWS Petropavlovsk-Kamchatskiy: EE: nx of Greek leader's visit to USSR (252 2/13 Bowden-CA)

Last month I mentioned a detailed USSR map could be found in the Feb. 1976 issue of National Geographic; well, thanks to Bryan Sharpe-CA, I now have a copy. Actually there are two maps, one showing all Soviet Republics and cities in great detail and another that shows the locales of the many ethnic groups that make up the Soviet Union-an excellent map indeed!

UNITED ARAB EMIRATES

UAE R. Dubai

7100 0520 RD: AA: NA, ID & AA mx; QRM de R. Moscow (323 2/8 Trotto-FL) are you sure this wasn't R. Kuwait who now uses this freq? RBT

7310 0330 RD: EE: nx, Press Review, Mailbag (444 3/2 Klosowski-FL) 3-part series on falcons (433 3/4 Wallenhorst-OH) (Rocker-MS) (McKeon-IN)

11815 2105 V. of UAE: AA: drama pgm; time sig @ 2115 into nx (poss. delay bcst as time sig not quite at 2115) (443 2/27 Welch-MA)

11955 1608 RD: EE: "Women in Islam"; EZL mx (222 2/12 Bingham-MA)

15300 1600 RD: EE: Mailbag; pop mx; nx @ 1630 (444 2/24 McKeon-IN)

15320 1330 RD: EE: Press Review; intvw w/newscaster (222 3/3 McKeon-IN) (Sharp-FL) (Bingham-MA) (Macrie-NJ) @ 1530 in AA: tlk, AA mx (333 3/4 Weikel-MI)

17775 1330 RD: EE: wx, nx; tlk abt Children's Festival(Bingham-MA)(Klosowski-FL)

The 2/14/85 "Media Network" pgm over R. Nederland carried an intvw with a technical advisor to the Ministry of Information in Abu Dhabi. He said that test xmsns on 4800 & 6155 kHz were currently being conducted from a xmtg site in Abu Dhabi comprising four 500kW xmtrs. The xmtrs might go on the air officially at the end of Feb. Initially the pgms would be in AA for the 1st 5 or 6 months, but pgms in EE & FF might be added then from the svc currently bcst on a low power xmtr. (BBCMS WBI 2/21/85)

V I E T N A M

V. of Vietnam

6610t 1155 Bac Thai: VV: VV mx, YL tlk; poss. ID @ 1200, nx(232 221 Trotto-FL) per WRTH, listed on 6822 but freq prob. varies...RBT

9840 1123 VOV: EE: mx; Listener's letters; 1128* (252 2/17 Welch-MA)

10060 1230 VOV: VV: tlk by YL & OM; W:TH says relay of lcl pgms (343 2/19 Soomre-MA)

Y E M E N A R A B R E P.

R. San'a

9780 2030 R. San'a: AA: AA vcls; OM w/anncts; hrd at good lvl after REE 2030* (454 2/12 Welch-MA) (444 2/2 Hunt-NC)

Y E M E N (PEOPLE'S DEM. REP.)

Democratic Yemen Bcsting Svc

6005 0330 DYBS: AA: time sig into nx w/OM; AA mx & pgm; can be hrd while BBC off 0330-0354 (242 2/9 Welch-MA)

C L A N D E S T I N E

NY)

11640 1802 R. Iran: Farsi: OM w/ID & brief tlk; AA-style chants(322 2/15 Quaglieri-)

15050 1555 Unid: Pushto(?): ID as "Kabul Dai"; sounds like Afghan resistance movement (333 2/23 Soomre-MA) prob. "V. of the Unity" which acc. to BBCMS (11/15/84) is sked 1530-1630 on 15050, 11630. Stn is hostile to govt of Afghanistan & to Soviet involvement there. An address for listener's letters was given as P.O. Box 507, 1010 Vienna, Austria. ed. Jim Evans-TN also hrd "V. of the Liberation of Iran" on this freq 12/27/84 w/an EE ID; only hrd that day w/strong signal.

UNIDENTIFIED

7425 0158 Pgm consisted of OM tlk, w/ME mx btwn segments; many ments of Pakistan, Islam, & Afghanistan. Lang was prob. Farsi; anthem @ 0212 & "helicopter" sound @ 0224, loud tone @ 0226 then off. Don't think this was Syria, as I hrd a different pgm in AA w/flutter jamming on 7430; very strong sig (2/16 Wegner-TX) Can anyone help Mike on this?...RBT

OOOOOOOOOOOOOOOOOOOO O C E A N I A OOOOOOOOOOOOOOOOOOOOO

A N T A R C T I C A

Argentine Sector

15476a 0027 R. Nac. Arcangel-San Gabriel: SS: Argentine mx w/YL anncr; ID & freq; another YL in Italian, Taps & s/off (253 2/24 Quaglieri-NY)

A U S T R A L I A

R. Australia

4920 1000 VLM4-Brisbane: EE: report abt gold mining (252 2/13 Bowden-CA) mx from 30s & 40s musical comedies (Dillon-DC) ABC nx (Sharp-FL)

5995 1240 RA: EE: "Australia Tonight"; "Australian Insight" (444 2/13 Wimmers-VA)

6045 0858 RA: freq sked, nx (434 2/10 McKeon-IN)

6060 1320 RA: EE: contemp. mx; //9580 (434 2/10 Denton-KY) "Australian Editorial Opinion" (434 2/16 Dillon-DC) (Hesch-NY) (Klosowski-FL)

6080 1045 RA: EE: IS to *1100, wld nx (333 2/24 Weikel-MI) pop mx (Dillon-DC)

AUSTRALIA Cont.

6150 *0730 VLN6-Melbourne: EE: 1S, ID, ABC nx; 1500* (433 2/22 Carlson-wA)
 9760 0841 RA: EE: SS mx, nx (434 Schlick-MI) NC
 9770 1300 RA: EE: US to build up air defense of S. Arabia(252 2/16 Bowden-CA)(Hunt-
 11835 2300 RA: EE/Thai: EE anncnt into Thai pgm (343 2/5 Hocker-MS)
 11895 1100 RA: EE: "Australia Tonight" (252 2/15 Bowden-CA)
 15320 0623 RA: EE: debate abt nude beaches: bare bosoms vs. beer bellies (444 2/7
 Lord-CA) That's not such a hard choice to make-Hi!..ed.(White-FL)(White-
 KS) (Hocker-MS) (Wallenhorst-OH)
 17715 0100 RA: EE: rpt that Thai troops using toxic agents along Kampuchean border
 (252 2/23 Bowden-CA) (243 3/5 Hocker-MS)

G U A M

Trans World Radio

9525 1508 KTWR: EE: "Thru the Bible" w/J. Vernon McGee; EE sked (322 2/20 Thompson-
 CA) (323 2/12 Berri-CA)
 9590 1130 KTWR: EE/CC: tlk on refugee camps in Asia (151 2/27 Bowden-CA) @ 1300 in
 CC: ID, relig pgm; QRM de WYFR & R. Norway (322 2/25 Sharp-FL)
 9820 *1415 KTWR: EE: ID, "Bible Pathways"; Assamese @ 1430; ex-11920(2/19 Shimada-JP)

M A R I A N A I S L A N D S

KFBS; KYOI

9515 1358 KFBS: CC: Chopin's "Polonaise"; s/off anncnt, all CC except "KFBS" & "Sai-
 pan" in EE; QRM de co-channel XEWW (fr-gd 2/22 Palmer-WA)
 9665 1601 KYOI: EE/JJ: rock mx; requesting letters to Canoga Park addr. (343 2/11
 Hardester-CA)(Thompson-NM) @ 1859 w/EE ID & freq change to 9670 @ 1900;
 changeover took 10 sec.; no JJ hrd (pr 2/10 Palmer-WA)
 11825 1515 KFBS: Malayalam: "Saipan" ment. at 1545; mx pgm (342 2/17 Bowden-CA)
 11900 1545 KYOI: EE: rock mx; ID & 1600* (323 3/3 Denton-KY)(233 2/23 Sharp-FL)

N E W Z E A L A N D

R. New Zealand Intl

9620 1045 RNZI: EE: wld nx; NZ wx report (252 2/25 Bowden-CA)
 15485 0330 RNZI: EE: mx pgm, wx; nx @ 0400 (323 2/27 Wallenhorst-OH)
 17705 1800 RNZI: EE: election nx, pop mx (444 2/23 Zirkelbach-CA) @ 2100 w/report on
 Flooding in NZ (151 2/16 Bowden-CA) @ 0614 w/Boy's Choir(223 2/7 Lord-CA)

New sked for RNZI: 1845-2115, 2345-0145 on 15150 & 17705; 0345-0730 on 15150 & 11960; 1030-
 1215 on 11960 & 9620. Note that 15485 has been dropped. (Arthur Cushen, "World of Radio"
 3/16)

P A P U A N E W

G U I N E A

National Bcsting Comm.

3235 1255 R. W. New Britain: PD: nice lcl mx; ID @ 1330 "R. w. New Britain, P.O.
 Box 412"; also ments of "Kimbe western Ridge" (333 2/16 Forsgren-WI)
 3315 1310 R. Manus: PD: US C&W mx; this is the best PNG since switch from 120m (232
 2/14 Forsgren-WI) instl & vcl mx; 1400* (333 2/27 Thompson-NM)
 3335 1225 R. East Sepik: PD: lcl mx, tlk; QRM de CHU & sporadic Ute every 45 secs.
 (323 2/27 Sharp-FL) 60s pop mx (333 2/14 Forsgren-WI)
 3375 1256 R. Western Highlands: PD: nice vcl mx; Ute QRM (333 2/15 Forsgren-WI)
 3385 1018 R. East New Britain: PD: relig chorus mx; QRM de R. Malaysia (242 2/10
 Miyauchi-JP) @ 1255 in PD: lt pop & lcl mx; 2 gd lds(332 2/8 Forsgren-WI)
 4890 1046 NBC-Port Moresby: EE/PD: lcl & pop mx; tlk by OM w/hvy Papuan accent;
 QRM de fishing boat in Gulf of Mexico (333 2/20 Sharp-FL)

S O C I E T Y I S L A N D S

R. Tahiti

11825 0802 RT: FF: US pop mx; OM, YL tlk; Tahitian ballad(333 2/17 Trotto-FL)
 15170 0130 RT: FF/Tah.: Tahitian mx (151 2/16 Bowden-CA) @ 0215 w/island mx, ID (454
 2/28 Thompson-NM)(Rocker-MS) @ 1709 w/island & pop mx(Thompson-CA)

S O L O M O N I S L A N D S

Solomon Islands Bcsting Corp.

5020 0700 SIBC: EE: island mx; lcl nx & ads (444 2/27 Witte-CA)
 9545 0730 SIBC: EE: wld nx, Intl Report to 0745; sports; //5020(433 2/18 Heinen-CO)

WBI NEWS

CLANDESTINE: V. of Afghanistan: This anti-Afghan-govt stn continues to be hrd from 1130 on
 3214, 3223, 3231, 3238, 3243 or 3251 kHz. The freq varies in order to avoid interference.
 The stn announces that its pgms can be hrd in the 90, 75 and 49m bands. Another V. of Af-
 ghanistan xmsn has been hrd around 1510 on 3214. (BBCMS 2/21)

SRI LANKA: On 5 Feb. R. Moscow World Svc, quoting reports from Colombo, said that the V. of
 America was going to build a big relay stn in Sri Lanka. RMWS commented that observers in
 Asia had described the construction of the new relay station as "an integral part of the
 global psychological warfare launched by the US against the developing world and the movement
 on non-alignment". (BBCMS 2/14)

Well I guess I was able to fit everything into 7 pages this month. One more month (May) of
 extra pages then my allotment drops to 5 for the summer season. I highly recommend that in
 the upcoming months you restrict your contributions to your best loggings. Happy Easter!

Bob

JAPAN REPORT

Ralph Famularo
306 Youngstown 15-12
Kishinosato-Higashi
Nishinari-ku, Osaka 557
JAPAN

日本レポート

Greetings! Welcome to the April column. Cherry-blossom season should be approaching very soon here in Japan, heralding the coming of spring. I think I've got some interesting loggings so let's start...

AUSTRALIA

- 7240 1234 R. Australia: EE Australian nx, ID, "Knights in White Satin" by the Moody Blues (good, 2/19)
17865 0432 R. Australia: EE Australian nx, ID, pop mx bcst to Africa (fair, 3/1)

CHINA (PEOPLE'S REPUBLIC)

- 2415 1049 Zhejiang Wengzhou PPBS: CC w/ unusual reception on 2/20 -- tuned in to CC mx & pleasant YL choral singing, increasing in strength until "good" quality, then rapidly deteriorating at 1100 to "pr to unusable" where it remained until 1125 tune-out.
2800 1233 Fujian Front Stn.-2nd Pgm: CC trad. mx & YL songs, lullaby, TPs, 1300 ID, more mx //2600 (fair-good, 2/15)
9335 0310 R. Beijing: backwards RR bcst w/CC classical Mx (at first I didn't notice the difference--Hi!), OM/YL tlks. No jamming of course (good, 2/24)

GABON

- 21575 0608 R. Japan Relay: JJ Asian sports nx, tlk on U.S. - UNESCO problems (good, 2/24)

INDIA

- 7265 2341 All India Radio: Hindi OM tlk, songs into Tamil at 0000 w/mx & YL tlk -- slowly fading (fair-poor, 2/23)
17805 0420 AIR: Gujrati w/ Indian mx, YL ID, wiped out by RMWS *0430 (good-unusable, 2/24)

INDONESIA

- 4932 1148 RRI Surakarta: Indo pop & lite mx, YL ID, TPs, nx (fr, 3/2)
9680 1400 RRI Jakarta: Indo IS (Love Ambon), TPs, ID, nx fighting co-channel tone from VLR9, Lyndhurst until 1403, YL & choral songs (poor-good, 2/18)

JAPAN

- 3377 1020 NHK Osaka-2nd Pgm: JJ/EE rock mx, EE rpt from New York about American TV pgms, bi-lingual interview w/member of a home-visit pgm in Kanazawa, JJ ID, EE radio-drama. Actual freq. may be 3337.5 // 828 MW (pr-fr only!, 2/17)
6190 0130 NHK School Broadcasting Sce.: JJ glee-club practice w/YL instructor, OM intro to beautiful, trad. koto mx. This sce must be similar to PBS pgming in the U.S. Little or no info in the '84 & '85 WRTH. I will try to get some info about it (good-excellent, 2/21)

MALTA

- 6110 2251 R. Mediterranean: EE world nx, wx forecast for Malta & the Mediterranean, ID, lite mx, address (fair, 2/18)

PAPUA NEW GUINEA

- 3335 T 0931 R. East Sepik: Pidgin? YL tlk, primitive instrumental -- bassy-sounding stringed mx, very tent. ID at 1000, guitar mx, lots of QRN/weak signal (pr-unusable, 3/3)

PHILIPPINES

- 3286 2050 DUB4 Marhalika Broadc. System: EE disco mx, 2100 ID "Broadcasting 24 hrs a day, MBS, Quezon City", soul/E-Z rock mx, some splatter de CPBS-2, 3290. Also IDs as "DZ-FM" (fair, 2/21)
6030 2303 FEBC Philippines Sce.: EE local & world nx, ID, wx forecast, IS & sudden 2310* (good, 2/16)

UNITED STATES OF AMERICA

- 8110LSB 1014 UN Radio: EE tlks on biological research, peaceful use of space & African famine, ID & New York address // 9565 (good), 15250 (Phillippines, poor) UN & VOA IDs at 1029* (good, 2/16) RMF 3/8/85



535 TO 1610 kHz

MEDIUMwaveguide*deadline: 12th

DAVID SHARP, 17602 MEADOWBRIDGE, LUTZ, FLORIDA 33549

- 540 CBK Regina SK/0700/CBC nx, lcl wx, s/off @ 0707. (555 2-17 Scheel-IA)
- 540 CJSB Ottawa ON/0240/mx, ad for Ottawa CATV (434 2-9 Desrosiers-MA)
- 550 WGNG Pawtucket RI/2044/ad for lcl concert, ID (2-25 Berg-Andersson)
- 560 KLVI Beaumont TX/0520/"Ed Bogart Show" ID & mx (333 2-24 Ron Trotto)
- 560 WIND Chicago IL/0134/ID, basketball game. (333 2-22 May-OH)
- 570 WKBN Youngstown OH/????/song "He's So Fine," ID. (554 2-23 Demmitt)
- 570 R. Relej Cuba/SS/0249/nx, clock in bckgnd, IDs. (232 2-10 Bledsoe-FL)
- 580 R. Rebelde Cuba/SS/0010/ID @ 0010, into mx. (243 2-16 Bledsoe-FL)
- 640 WWLS Norman OK/0540/ID c&w mx, lcl ads. (333 2-16 Ross-ONTARIO)
- 640 KFI Los Angeles/0650/ads, ID, stn contest r&r mx (444 2-19 Ross-ONT)
- 555 YSS El Salvador/SS/ latin ballads, OM tx & lcl TCs (0112 3-11 Sharp)
- 560 WNBC New York/0848/"Wolfman Jack" pgm (2-25 Trotto-FL; 2-23 Demmitt)
- 680 WCBM Baltimore/1924/Talk show, in null of WINR (333 2-23 Demmitt-PA)
- 700 WLW Cincinnati/0524/Paul McCartney mx, new format? (2-24 Trotto-FL)
- 730 XEX Mexico City/SS/0719/"R. Festival" ID (4-2 Ross-ONT; 2-20 Scheel)
- 765 ORTS Dakar Senegal/VERN/2336/lcl nx de OM, //4890 (322 3-8 Sharp-FL)
- 770 KOB Albuquerque/0750/"Larry King," ID "77-K-O-B" (222 2-18 Ross-ONT)
- 790 WNWS S. Miami FL/0731/ID as "79 WNWS" Gud FL night (444 2-4 Ross-ONT)
- 800 WTMR Camden NJ/1725/Christian mx, ID @ 1730 (2-26 Berg-Anderson-NY)
- 800 CKLW Windsor ON/0225/Mx of Your Life, cochannel QRM (2-24 Demmitt-PA)
- 800 FJB Neth. Antilles/0450/"Dick Sonders" pgm (2-26 May; Desrosiers-MA)
- 810 HJCY Bogota Colombia/SS/0832/"R. Sutatenza" ID (Trotto; 2-18 Ross)
- 810 ZNS-3 Freeport Bahamas/church service ancmts (343 2-23 G. Bledsoe-FL)
- 825 R. Paradise St. Kitts/0353/country gospel mx (3-4 Demmitt; 2-15 Ross)
- 830 R. Belize/EE & SS/YL nx, s/off @ 0512 (344 3-4 John Demmitt-PA)
- 850 KOA Denver/0430/critique of T-bone; porterhouse steaks (2-11 Margolis)
- 860 CJBC Toronto ON/FF/1835/OM tx & ID (433 2-23 John Demmitt-PA)
- 900 CKTS Sherbrooke PQ/FF & EE/0530/EZL mx, Anne Murray hits (Desrosiers)
- 920 KDHL Fairbault MN/0520/lcl high school basketball scores (2-6 Ross)
- 940 CJGX Yorktown SK/0725/stn concert promo; into r&r mx (333 2-19 Ross)
- 940 R. Relej Cuba/SS/0650/OM nx, ID's as "R. Relej" (333 2-19 Ross-ONT)
- 990 WNOX Knoxville TN/0120/ID, c&w mx (434 2-22 May-OH)
- 1000 WIQT Horseheads NY/2201/"WIQT-AM One Thousand" New stn for me (Ross)
- 1000 WCFL Chicago/0121/ID, into contemporary gospel mx (555 2-22 May-OH)
- 1060 CJRP Quebec City PQ/FF/0220/tx de 2 YLs, ID, ads (333 2-15 Ross-ONT)
- 1090 KAAV Little Rock/0412/releg rock mx, ID @ 0415 (2-11 Margolis-IL)
- 1100 WWWE Cleveland OH/1716/song "Gonna Take A Lotta Love" (2-23 Demmitt)
- 1150 WNDB Daytona Bch FL/0700/CBS nx, lcl nx ID (333 2-4 Ross-ONTARIO)
- 1170 WWVA Wheeling WV/1725/ID, lcl ads, station promo (2-23 John Demmitt)
- 1190 WQOW Ft. Wayne/0925/Indiana wx, temp of 37° (343 2-25 Ron Trotto-FL)
- 1200 WOAT San Antonio TX/lcl ad, OM tx (454 3-1 Demmitt-PA; 2-22 May-OH)
- 1210 WCAU Philadelphia/0600/"WCAU 1210...Phil. Nxtalk Radio" (2-24 Trotto)
- 1270 R. Relej Cuba/SS/1007/OM nx (2-25 Trotto) Tnx for comments, OM. ds.
- 1310 WDOO Chattanooga TN/0116/ID, c&w mx (232 2-12 May-OH)
- 1330 WFBC Greenville SC/0000/ID, NBC nx, lcl call-in show (444 2-12 May)
- 1420 WRCC Columbus GA/0700/ID, into nx. (243 2-12 Gary Bledsoe-FL)
- 1520 WRBW Buffalo NY/1750/wx- temp 49°, lcl PSA, ads (554 2-23 Demmitt)
- 1540 ZNS-1 Nassau Bahamas/2345/YL ancr, children's pgm(Bledsoe & Sharp)
- 1550 HITS Tamayo Dominican Rep./SS/0901/s-on w/NA (??? 2-25 Holbrook-MD)
- 1555 R. Cayman/0001/YL tx, lcl TC, OM lcl nx (433 3-9 Sharp-FL)
- 1566 RTVT Sfax Tunisia/AA/0525/tent. w/AA OM tx & mx (322 3-9 Sharp-FL)
- 1593 WD.R. Langenberg W. Germany/GG/mx, wx, IS/ID @ 0601. (323/433 Lowe)
- 1610 Carib. Beacon Anguilla/0331/releg pgms (May-OH; Ross-ONT, Desrosiers)
- 1622 KPF-941 Yonkers NY/0215/OM ancr w/oldies mx. (232 3-4 Demmitt) John,

this is a remote pickup station with an authorized pwr of 100w. ds

***Tnx to everyone who contributed. Berg-Andersson, Trotto, Ross and Holbrook...thanks for your letters and positive comments. Derek Lowe..... tnx for your phone call and logging. Until next time...73s de David Sharp

QSL REPORT

EDITOR:

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ANNEE MONDIALE DES
COMMUNICATIONS
WORLD COMMUNICATIONS
YEAR
AÑO MUNDIAL DE LAS
COMUNICACIONES



VIA AEREA

AFRICA

CAMEROON-R. Bertoua-4750, f/d form letter with a 3 page personal letter in 29d for ms. V/S-James Ahcyani-Fontem, B'cast Journalist (Forsgren-WI).

EQUATORIAL GUINEA-R. Nacional-15107, f/d logo card in 49d for \$1US, and a SS rpt (Wegner-TX).

ETHIOPIA-V of Rev. Ethiopia-7110, f/d green antenna card in 863!!! days via 2nd class airmail for a EE rpt and \$1US. No f/up was ever sent. (SHARP-FL). Congratulations on this long-awaited QSL, David.

GUINEA-Bissau-R. Nacional-5475, date/freq green tri lang card in 66 days for a PP rpt (Quaglieri-NY).

LESOTHO-R. Lesotho-4800, f/d flag card in 32d for 2 ircs. Card indicated a power increase to 100KW. (Evans-TN). Same in 49d for 3 ircs (Welch-MA).

LIBERIA-VOA-17870, f/d lighthouse card in 25d (Thompson-NM).

LIBYA-R. Jamahiriya-15450, f/d rainbow card in 37d for 2 ircs (Soomre-MA).

MADAGASCAR-R. Netherlands-11740, f/d picture of Flevo site card in 56d along with a sticker and publication list (Smolinski-MD).

MALI-R. Nacional-f/d card in 49d for 2 ircs (Heinen-CO). 5995, f/d map card in 40d for a FF rpt and ms (Forsgren-WI).

MOZAMBIQUE-R. Mazambique-9618, f/d world map card in 58d for ms and a PP rpt (Quaglieri-NY).

NAMIBIA-RSWA -3270, f/d picture of Namib Nature Park in 42d for 2 ircs (Smolinski-MD).

NIGERIA-VON-7255, f/d lagos card in 315d for 2 ircs (Falbo-OR). Airport card in 240d for an irc (Keenan-GA). freq was 15120.

SOUTH AFRICA-Capital Radio-3930, date/freq letter and sked in 34d for 2 ircs (Smolinski-MD). p/d letter in 36d for 2 ircs (Forsgren-WI). V/S-Lois Wheeler-Secretary. R. RSA-6010, 9615, 11900, Various cards in 16 to 41d recd by: Schulsinger-OH, Adams-MA, Mendez-NJ, Thompson-NM, and Miller-TN. 4990, card in 18 d (Stuart-??).

SWAZILAND-TWR-4760, f/d folder card in 33d for ms (Dillon-DC). Same in 33d for 2 ircs (Falbo-OR).

TANZANIA-R. Tanzania-9749, date/freq africa map card in 64d (Quaglieri-NY).

EUROPE

ALBANIA-R. Tirana-11965, usual revolution card in 3½mos (Sharp-FL).

ANDORRA-AWR via R. Andorra-6220, f/d AWR card in 25d for \$1US to AWR Europe HQ. This report was for a 1981 reception of the AWR DX pgm via R. Andorra. V/S was Jennifer Robertson. (Sharp-FL).

AUSTRIA-ORF-6000, f/d card and sked in 51d for an irc (Wilkins-CO). Card in 58d along with a sticker (Soomre-MA).

CZECHOSLOVAKIA-R. Prague-7345, f/d town square card for a SS rpt in 50d (Mendez-NJ).

EAST GERMANY-RBI-6125, f/d old museum card in 46d along with DX club information, sked and a large canendar pennant. (Soomre-MA).

FRANCE-RFI-15315, f/d TDF logo card and a pennant in 37d (Welch-MA).

ITALY-RAI-9575, f/d sculpture card in 203d(Thompson-NM). Religious art card in 197d for an irc (Falbo-OR).

NETHERLANDS-RN-6020, f/d Flevo test xmsm card in 30d (Adams-MA). Same in 44 days (Welch-MA).

PORTUGAL-RP-6095, f/d white card in 24d (Gerstner-??). Same in 58d for 2 ircs (Schulsinger-OH).

SPAIN-REE-9630, 11880, Castillo de Gormaz card in 40d (Gerstner). In 60d (Thompson-NM). Same in 50d (Smolinski-MD). Same in 27d (Speer-CA). Same in 63d for a EE/SS rpt (Bishop-NY). Same in 50d (Bishop-NY).

SWEDEN-RSI-15280, f/d Logo card in 19d (Gerstner-??). 9695, f/d EDXC card and sticker in 13d (Falbo-OR).

SWITZERLAND-SRI-3985, f/d card in 2 mos (Stuart-??). F/d studio card in 54d (Gerstner-??).

VATICAN-Vatican Radio-9605, Holy Father at Vatican Radio Microphones card in 15d for an irc. Also received 3 stickers (Gerstner-??).

USSR

R. Kiev-7195, 15100, Antenna card in 100d along with a sked (Wallenhorst-OH). Logo card and Birds cards in 81-137d for 3 separate reports, all returned together (Speer-CA).

R. Moscow-15140, Petro-Kamchatsky; 17700, Same site) (Unruh-HI). 11770, Kiev; 7150, Petro-Kamchat; 7335, Lvov; 9450, Moscow (Pimblett-AB).

R. Peace and Progress-41mb, f/d flourescent green card with peace symbol in 43d for an irc (Friberg-NH). 6190, f/d red logo card in 45d along with some postcards and stamps (Unruh-HI).

R. Riga-5935, date/freq card in 7 mos (Friberg-NH).

R. Vilnius-15240, f/d card in 103d (Speer-CA).

OCEANIA

AUSTRALIA-VLW9-9610, f/d map card in 117d for an irc (Thompson-NM). Same in 31d for 2 ircs (Femyer-AZ). R. Australia-9580, f/d aboriginal actor card in 27d (Speer-CA). Thi was via Shepparton. 6060, f/d forest kingfisher card in 21d (Via Shepparton). (Gerstner-??).17795 via Shepparton, f/d card in 33d (Gerstner). 9580-Wattle flower card in 30d for an irc (Mendez-NJ). Poster/Calendar of kangaroos in 14d with a sked (Chickerell-WV).

NEW ZEALAND-RNZ-9620, f/d fishing postcard in 21d for an irc and ms (Wegner).

PAPUA NEW GUINEA-R. Manus-3315, n/d letter in 41d for a EE letter and ms. Also recd a 72 page 10th ann. booklet (Pimblett-AB). V/S-Raka Saini, Station Manager.

VANUTU-R. Vanutu-7260, f/d slit gong card in 32d for 2 ircs (Forsgren-WI).

ASIA

CHINA-People's Republic of,-R. Beijing-6160, f/d Mao Memorial building card, pennant and magazine in 14d (Miller-??). 9730, f/d 35th Ann card, c-60 tape of CC music, magazines, stamps and a sked in 19d (Wilkins-CO). Paper crafts, sked, full size calendar, magazine, and a pennant in 30d (Chickerell-WV).

IRAN-VOIROI-9022, f/d war is ugly card in 110d for 2 ircs (Card-RI).

ISRAEL-Kol Israel-9815, f/d QSL in 48d (Bishop-NY).

JAPAN-NHK Domestic-3607.5, R. Japan date/freq card in 16d for 2 ircs (CA-Hardeste-CA). NSB-3945/6115 and 3925/6055/9595 f/d Superwave cards in 20 days for an irc (Hardeste-CA). FEN-3910, date/freq FEN card in 70d for MS (Thompson-NM). Also received a booklet on FEN. R. Japan-15195, 11710, 9645, 9505, date/freq doll card in 24d (Speer-CA). Swans Lake card in 25d (Bishop-NY). Dolls card in 20d (Bishop-NY). Same in 23d (Gerstner). Dancer's Fan card in 15d (Thompson-NM).

SOUTH KOREA-R. Korea-11810, Sticker, and weaving card in 38d for an irc (Stuart). Folk scene card, pennant and a sticker in 29d (Falbo-OR). F/d tiger cub card in 25d along with a sticker (Bishop-NY). Preparing for a feast card in 36d (Bishop-NY). 9750, Sports complex card in 35d (Miller). Tiger cub, mascot of the 1988 Olympics card in 23d along with Olympics lit. (Chickerell-WV). Also received was a foam Korean Procession pennant and a 'Wedding Day' sticker. 15575, f/d Weaving card in 32d along with a sticker (Bishop-NY).

KUWAIT-R. Kuwait-11675, f/d folder card w/sked in 40d for 2 ircs (Forsgren-WI). f/d folder card in 39d (Gerstner-??). Same in 34d (Falbo-OR).

PHILIPPINES-FEBC-15450, f/d Hibiscus in Bloom card in 70d (Shimada-JPN). Same in 60d for 3 ircs (Keenan-CA). Monkey-Eating eagle card in 60d for 3 ircs (Keenan-CA).

QUATAR-QBS-17910, f/d map/logo card in 89d for an irc. Also received a sked, DX club information, a sticker, and a Booklet on QBS. (Soomre-MA). V/S-Jassem Mohd. Al-Qattan.

SARAWAK-R. Malaysia-4835, f/d broadcasting house card in 22 days for an irc (Thompson-NM).

SRI LANKA-DW-9685, f/d special QSL showing Sri Lanka Relay in 56d for a GG rpt (De Cassan-AUSTRIA).

TAIWAN-VOFC-5985, Chinese character card in 10d for 2 ircs (Keenan-CA).

TURKEY- VoT-7215, f/d inside of home card in 31d for 2 ircs, along with a pennant (Friberg-NH). 9560, f/d card in 372d for 2 ircs, 26d after a follow up report (Weikel-MI).

UNITED ARAB EMIRATES-R. Dubai-7310, f/d map card in 18d for an irc (Stuart). Same along with a pennant in 21d (Gerstner). Same in 20d (Weikel-MI).

NORTH AND CENTRAL AMERICA AND THE CARIBBEAN

ALASKA-KNLS-6120, f/d studio card in 10d for 40cms. Also sent was a personal letter, sked and station information. (Hardeste-CA). Same in 8 days for ms (Wilkins-CO). Same in 15d along with a long letter for \$1 (Witte-CA).

ANTIGUA-DW6040, n/d broadcasting center card in 44d along with a sticker (Smolinski-MD).

CANADA-CKZU-6160, date/freq CBC studio card via surface in 25d for an IRC and an address label (Hardeste-CA). RCI-5960, f/d 40th Ann card in 15d (Thompson-NM). DIY card in 40d (Gerstner). Same in 17d (Falbo-OR). Same in 21d (Bishop-NY). 9755, same in 10d for ms (Card-RI).

COSTA RICA-R. Columbia-4850, f/d logo card in 53d for 2 ircs and a SS rpt (De Cassan-Austria).

CUBA-RHC-6140, f/d children in park card in 82d for a SS rpt (Wallenhorst-OR).

GUATEMALA-TGNA-3300, date/freq Quetzal bird card in 34d for 2 ircs (MD-Smolinski).

HAITI-4VEH-4930, f/d studio card in 31d for 2 ircs (Thompson-NM). Same in 47d for \$1 US (Falbo-OR).

MEXICO-R. Mexico Intl-9705, f/d card, sked and a questionaire in 45d for an irc and a SS rpt (Mendez-NJ).

NETHERLANDS ANTILLES-TWR-11815, f/d water front card in 13d for an irc. Also received a sticker (Gerstner). R. Netherlands-6165, f/d flevo card in 35d (Miller-TN). 9630, f/d studio card in 3 weeks (Stuart-??). 9590, Flevo antennas card in 69d (Moll-MI). f/d card in 42d (Hesch-NY).

UNITED STATES OF AMERICA-KGEI-15280, f/d card, paper pennant, bumper sticker and sked in 32d for ms (Smolinski-MD). AFRTS-11805, freq sked but no QSL in 39d (Chickerell-WV). WRNC-6185, date/freq DX Club card in 15d along with a small sticker (Miller-TN). WYFR-15375, f/d 10th Ann. card in 36d for ms (Soomre-MA). Same for same in 104d (Chituck-MD). WINE-17730, f/d card in 73d for ms (Dillon-DC). Card in 22d for ms (Stuart). VOFC via WYFR-5985, f/d Chinese symbol card and CC mx tape for a taped report in 15d (Falbo-OR). Card and a pennant in 48d (Smolinski-MD).

SOUTH AMERICA

ARGENTINA-RAE-11710, f/d RAE logo card in 68d along with a sticker (Bishop-NY).

BOLIVIA-R. Santa Cruz-6139.5, f/d plain blue card in 67d for a SS rpt and ms (Quaglieri-NY).

BRAZIL-R. Cultura Sao Paulo-17815, p/d letter with a photo, sticker and book in 120d for a PT rpt and MS. V/S-Olimpio Jose Franco (Forsgren-WI). R. Rio Mar-9695, p/d Map card in 22days for a PP rpt and MS (Forsgren-WI). Same in 81d (Welkel-MI). R. Nac 15290, f/d church card in 35d (Bishop-NY). Buildings card in 49d (Bishop-NY). Same in 35d (Gerstner).

ECUADOR-R. Quito-4920, n/d folder card, small pennant in ?? for a SS rpt (Wilkins-CO). R. Paz y Bien-4820, p/d card and letter in 93d for a SS rpt and MS. V/S-Enrique Pesantez G.-Gerente (Forsgren-WI). R. Tarqui-4977, f/d card for a SS rpt via Don Moore, who was traveling in Ecuador. The R. Quito card was also obtained this way. V/S-Hernan Herdoiza Leiva, Gerente. La Voz Del Upano-5040, n/d letter and multi color pennant in 70d for a SS rpt and ms. V/S-M. Patricia Jaramillo J., Secretaria. (CO-Wilkins). R. Pastaza-3316, p/d letter for a SS rpt via Don Moore (CO-Wilkins). V/S-Raul Diaz C. Recaudador. Ondas Quevedenas-3325, p/d letter for a SS rpt via Don Moore. V/S-Maruja Jaramillo E. Administradora (Wilkins-CO). HCBJ-9745, f/d card in 80d (Bishop-NY). f/d card in 36d for 2 ircs (Keenan-CA). Also received a calendar. Same in 30d (Wallenhorst-OH). 8 cards for 8 reports in 33d (Wilkins-CO). f/d card in 40d (Mendez-NJ). Card in 40d for an irc (Gerstner-??). Card in ?? for ms (Thompson-NM). f/d card in 18d (Chituck-MD).

PARAGUAY-R. Nac del Paraguay-9735, freq only form letter in 39d for 2 ircs and a SPEEDX tri-lang form (Chickerell-WV). Report was received by registered mail.

PERU-R. Quillabamba-5025, form letter in 42d for ms and a SS/EE rpt, also received a pennant and station information. V/S-Padre Alonso. (Carl Radtke-CA). Radio Del Pacifico-9675, f/d letter w/sticker in 30d for a SS rpt and ms. V/S-J. Petronio Allauca (Forsgren-WI).

ANTARCTICA-AFAN-McMurdo-6012, freq only B&W Penguins and logo card in 3 weeks via FPO San Francisco for 2 20¢ stamps V/S-Karl J. Kinchak?? (Sharp FL).

CLANDESTINES AND PIRATES

La Voz del CID-11680, R. Maximo Gomez, f/d card in 101d for SS rpt and ms to Chicago. QSL was mailed from Costa Rica (Dillon-DC).

R. Clandestine -6185, f/d form letter in 134d for ms (Quaglieri-NY). 7375, same in 7 mos for ms (Smolinski-MD).

Looks like we ran a little short this month. There was alot of very good material this month though. Including Andorra, which is no longer on the air. It just goes to show, do not give up even if the station closes down. Keep trying and explore different routes to the QSL, perhaps through programs that used station time, or even advertisers.

Also do not give up on long forgotten reports. Sometimes a report from many years will bring an unexpected reply. It never pays to give up hope in this hobby.

The SPEEDX publications list has been growing. The booklets now available are: First Shack: Pitfalls and Problems, The Speedx guide to African Listening, The Speedx guide to Latin American DXing. All of these publications are must reading to DXers and SPEEDXers. They are available from HQ for a nominal fee. Write for information.

Universal Shortwave Radio's DXer's Directory is now available. It is a listing of DXer's who submitted their names. It is a useful tool to DXer's who would like to get together with other DXer's. The names are listed by Name, and also by location. There is also a section on SW clubs around the world. The book contains 86 offset printed pages and costs \$4.95 plus 1.05 shipping. It is available from: Universal Shortwave Radio; 1280 Aida Drive; Reynoldsburg, OH 43068.

Also, out for some time, but just obtained by myself is the 1985 WRTVH. This is still the SW bible, and no DXer's shack should be without it. This is available from Gilfer Shortwave, 52 Park Ave; Park Ridge, NJ 07656. Write to them for details.

Well, That about raps it up for this month. I want to thank everyone for their support, and please keep it up. This column, and the whole bulletin, are what YOU, the contributors, make it. See you all in May!

Q. S. L.

CONFIRMAÇÃO OFICIAL DE RECEPÇÃO
VERIFICATION OFFICIELLE DE RECEPTION
OFICIAL VERIFICATION OF RECEPTION

Agradecemos e confirmamos as vossas informações

Nous remercions et confirmons vos informations
We gratefully acknowledge as correct your report

De escuta da nossa emissão do dia

Au sujet de notre émission de
Concerning our broadcasting of

23 / 8 / 1984

Na frequência de

Dans la fréquence de
In the frequency of

5051 Kcs.

Bissau, 7 / 1 / 1985



Radio Nacional de Bata
República de Guinéa Equatorial

Q Frecuencia: 15711 Banda 19 mts
S Fecha: 02 Enero 1985
L Hora local: 20.45-23.00 T (20.45-22.00
M idioma: INGLES (Programa religioso)

Nuestros Oyeses Escritas
Ado 749 Bata

Jose Mba Obama B.
José Mba Obama B.

Wir danken Ihnen für Ihren Empfangsbericht und bestätigen Ihnen gern die Richtigkeit Ihrer Beobachtung. Sie hörten unseren Sender **SRI LANKA**

am: 29.12.1984
um: 1904 UTC
auf 9685 kHz

Thank you for your reception report which has been checked with our schedules and found to be correct. We are very glad to verify herewith your report.

Deutsche Welle
HA Hochfrequenztechnik

Peter Sings

Deutsche Welle, Postfach 100444
D-5000 Köln 1
Bundesrepublik Deutschland

Ferdinand de Cassan

Deutsche Welle

Relaisender Sri Lanka

Trincomalee



GHANA BROADCASTING SYSTEM

Broadcasting House, P.O. Box 1633

Accra, Ghana

Mr Ref. No. _____

From Ref. No. _____

Mr. Bob W. H. H. H.

.....

Cambridge, MA USA

4 5217

.....

Dear Sir,

re:- Your Monitoring Report

I thank you very much for your letter dated 29th Dec. 1984 purporting to have tuned to Ghana Broadcasting Corporation's transmission on the 29th Dec. 1984 at UTC on KHz

It is very interesting that you could receive this transmission as it was intended for local reception in the area designated by Zone 46 of the Radio Regulations to Article 9, Annex to Appendix 1. The ionospheric conditions being favourable must be responsible for this phenomenon.

The administration finds your reception useful and thanks you for your effort and time spent. The administration however, have desisted from sending QSL cards to monitors outside the Zonal area.

I remain

Yours faithfully,

F. A. Mattie

F. A. Mattie

Principal Engineer,
Propagation/Monitoring

for: Director-General.

RADIO MEDITERRANEAN - QSL

Dear Listener,

Thank you for your reception report of our transmission

on 25 September 1983

at 20.40 - 23.29 GMT

frequency KHZ

6110 MHZ

We are very glad to verify herewith your report.

Q S L



CP 136 RADIO EMISORAS

"ABAROA"

ONDA TROPICAL



RIBERALTA - BENI - BOLIVIA



Although this is not a QSL, it is interesting. This was for a letter to the Queen, for her Broadcast on the BBC on Christmas Day.



SANDRINGHAM, NORFOLK

21st January, 1985.

*Good DX es
73, until
May
from
N12P*

Dear Susan.

I am commanded by The Queen to write and thank you for your letter.

Her Majesty was touched by the kind things you say, and I am to tell you that The Queen much appreciated your thought in writing to her as you did.

*Yours sincerely,
Kathryn Suddale*

Lady-in-Waiting.

Miss Susan Moll,

Sanford, MI. 48657,
U.S.A.

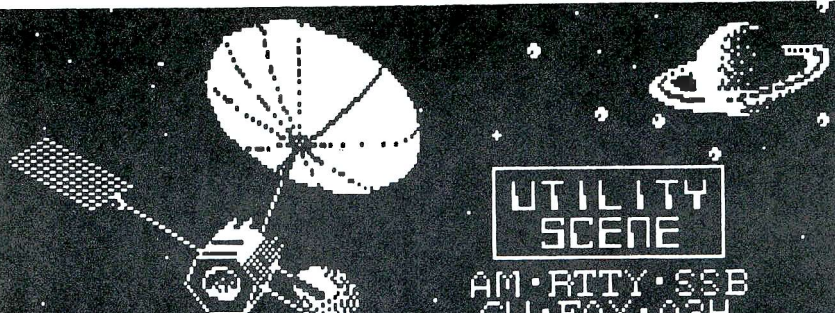
emisora
VOZ DEL UPANO
HCVB-7



1.540 KHz. onda media
5.040 KHz. onda corta
MACAS
MORONA-SANTIAGO
Agosto-5-1984

WIPNO

WORLDWIDE



**UTILITY
SCENE**

AM · RTTY · SSB
CW · FAX · A3H
0-30 MHZ

JEFF KNAPP
1823 7TH AVENUE
CHARLESTON WV 25312

deadline: 12th

*** NORTH AMERICA ***

CNTRY	FREQ	M	TIME	CALL	CITY	IDENT	TRAFFIC	CONTRB
AK	4125.0	U	0305	WBH 29	FODIAK	MARCO	MARITIME WX, ICE REPORT	MWJ-ID
AK	4125.0	U	1640	WY 5631			SHIP PHONE. UNID SHIP.	GS -WA
AK	5696.0	U	0246	NOJ	KODIAK	USCG	WKG CG 1496	SR -MI
AK	5696.0	U	0231	NOJ	KODIAK	USCG	WKG CG 1706	PAT-CA
AK	6498.5	U	0611	NOJ	KODIAK	USCG	TFC	RSR-ON
BER	6487.5	C	0117	VRT	HAMILTON	MARCO	V MARKER	JAK-WV
BER	8449.5	C	2234	VRT	HAMILTON	MARCO	V MARKER	CEK-WV
BER	12710.0	C	2028	VRT	HAMILTON	MARCO	V MARKER	JFH-MA
CAN	2182.0	U	0151	VCS	HALIFAX	CG	WKG WESTERN VIKING II	JFH-MA
CAN	2182.0	U	0318	CIT60710		OFFSHR	TFC W/ WESTERN VIKING II	AL -MA
CAN	4255.0	C	0508	CFH	HALIFAX	CANMIL	DE MARKER	CEK-WV
CAN	4268.0	C	1309	CFH	VANCOUVER	CANMIL	V MARKER	AL -MA
CAN	4285.0	C	0505	VCS	HALIFAX	CG	CD MARKER	JCH-MD
CAN	5680.0	C	2114		BAKER LAKE	AERO	WKG CHURCHILL	FW -FL
CAN	6430.0	C	0430	CFH	HALIFAX	CANMIL	V MARKER	NRC-MA
CAN	6430.0	C	2009	CFH	HALIFAX	CANMIL	V MARKER	JHF-MA
CAN	6493.0	C	0110	VAI	VANCOUVER	CG	TFC LIST	GS -WA
CAN	6753.0	U	0730	CHR	TRENTON	CANMIL	AVIATION WX	NRC-MA
CAN	8453.2	C	2236	VAI	VANCOUVER	CG	CD MARKER	JCH-MD
CAN	8891.0	U	2347		CAMBRIDGE BAY	CG	WFG JAPAN AIR 433	SR -IL
CAN	11160.9	U	1752	VDD	DEBERT	CANMIL	WKS CIP 22	DDS-FL
CAN	14670.0	A	1637	CHU	OTTAWA	SFTS	TIME SIGNALS	MH -CA
CAN	15035.0	U	2025	VXA	EDMONTON	CANMIL	WX	MH -CA
CAN	15035.0	U	2030	CHR	TRENTON	CANMIL	WX REPORT	CEK-WV
CAN	17175.0	C	1938	VAI	VANCOUVER	CG	CD MARKER	FW -FL
CAN	17175.1	C	1753	VAI	VANCOUVER	CG	V MARKER	FW -FL
CAN	17175.2	C	2048	VAI	VANCOUVER	CG	V MARKER	FW -FL
CAN	17175.2	C	2209	VAI	VANCOUVER	CG	CD MARKER	JCH-MD
ICE	8891.0	C	2343		ICELAND	AERO	WKG NORWEGIAN AF 583	CEK-WV
MEX	4225.0	C	1210	XFM	MANZANILLO	MARCO	CD MARKER	JAK-WV
MEX	4250.0	C	0258	XFL	MAZATLAN	MARCO	CD MARKER	JAK-WV
MEX	4285.1	C	0224	XFU	VERACRUZ	MARCO	CD MARKER	JAK-WV
MEX	8568.0	C	0122	XFM	MANZANILLO	MARCO	CD MARKER	AL -MA
MEX	8582.4	C	0238	XFC	COZUMEL	MARCO	DRV MSG	AJN-NY
MEX	12703.2	C	1936	XFL	MAZATLAN	MARCO	CD MARKER	JAK-WV
USA	2182.0	U	2210	NMF 15	NEWBURYPORT	USCG	WKG GLOBAL ENTERPRISE	JCH-MD
USA	2182.0	U	1749	NMF 60	BOSTON	USCG	WKG USC6C CAPE HIGSON	JFH-MA
USA	2182.0	U	0712	NMA 3	NEW SMYRNA BCH	USCG	WKG M/V SKYCLIFF	JFH-MA
USA	2182.0	U	1637	NMF 15	NEWBURYPORT	USCG	WKG F/V TARAIMINA	JFH-MA
USA	2182.0	U	0446	N00 7	PANAMA CITY	USCG	WKG CUTTER DEPENDABLE	JHF-MA
USA	2182.0	U	0337	N0F	KEY WEST	USCG	TFC	ES -MA
USA	2466.0	U	0410	WFA	TAMPA	MARCO	WKG M/V X2LC	JHF-MA
USA	2500.0	A	0327	WVV	FT. COLLINS	SFTS	TIME SIGNALS	NRC-MA
USA	2670.0	U	0230	NMA 21	FT. PETERSBURG	USCG	WX & NTM	JFH-MA
USA	2670.0	U	2250	NMA 2	FT. PIERCE	USCG	WKG CG 41461	JFH-MA
USA	2670.0	U	0322	NMB 3	CHARLESTON	USCG	WKG USC6C PANPAW	JFH-MA
USA	2670.0	U	1729	NMF 15	NEWBURYPORT	USCG	WKG CG 41353	AL -MA
USA	2670.0	U	0445	NMF	BOSTON	USCG	WEATHER, NTM	KFN-FL
USA	2670.0	U	0552	NMG	NEW ORLEANS	USCG	WX BULLETIN FOR GULF	RR -MS
USA	2678.0	U	0012	N0K	KEY WEST	USCG	WKG LIGHTSHIP NANTUCKET	JCH-MD
USA	3485.0	U	0515	WSY 70	NEW YORK	AERO	EAST COAST WX	FW -FL
USA	4134.3	U	0100	NMN	PORTSMOUTH	USCG	WKG CUTTER MESQUITE	JFH-MA
USA	4397.0	U	0005	WLO	MOBILE	MARCO	WEATHER	JFB-NJ
USA	4403.9	U	0401	KMI	DIXON	MARCO	TFC LIST	JFH-MA
USA	4428.7	U	1030	NMC	SAN FRANCISCO	USCG	HIGH SEAS WX	BCW-VA
USA	4467.0	U	0330	KKI 721		MSCAP	MISSISSIPPI CAP	DS -OH
USA	4637.5	U	0903	KSD 699	HOUSTON	MARCO	COASTAL TOWING CO.	DS -OH
USA	4746.0	U	0440	AFE 8	MADILL	AFB	WKG KING13	KFN-FL
USA	5080.0	U	2345	NTD	PT. HUBB	NAVRAID	WKG PLEAD CONTROL	FAT-CA
USA	5320.0	U	0412	NDY 3	PORT ARANSAS	USCG	WKG CUTTER POINT BAKER	JHF-MA
USA	5363.6	U	2305	WDM	PENNSUCO	MARCO	WKG SDNG OF NORWAY	JFH-MA

USA	5529.0	U	0442	HOUSTON	LDOC	WKG 72B ALPHA	JCH-MD
USA	5540.0	U	0559	SAN FRANCISCO	AIR	WKG NEW ZEALAND 5	PAT-CA
USA	5574.0	U	0507	SAN FRANCISCO	AERD	WKG 91 BRAVO MIKE	RT -FL
USA	5692.0	U	2130	BROOKLYN	USCG	WKG CG 1429	SR -MI
USA	5692.0	U	1924	BROOKLYN	USCG	WKG CG 1407	JCH-MD
USA	5692.0	U	2027	CHICAGO	USCG	WKG CG 1459	JCH-MD
USA	5692.0	U	2027	CAPE MAY	USCG	WKG USCGC CAPE STAP	JCH-MD
USA	5694.0	U	0005	MIAMI	USCG	WKG USCGC POINT BARNES	KFN-FL
USA	5696.0	U	0322	SAN FRANCISCO	USCG	WKG CG 1509	JFH-MA
USA	5696.0	U	0200	MIAMI	USCG	WKG CG 2101	JFH-MA
USA	5696.0	U	0510	NEW ORLEANS	USCG	WKG MAC 450	SR -MI
USA	5696.0	U	1226	MIAMI	USCG	WKG CG 2140	SR -MI
USA	5696.0	U	0240	SAN DIEGO	USCG	WKG CG 2104	SR -MI
USA	5696.0	U	1354	DETROIT	USCG	WKG TRVERSE CITY	SR -MI
USA	5696.0	U	1731	OTIS AFB	USCG	WKG CG 2121	AL -MA
USA	5696.0	U	0324	SAN FRANCISCO	USCG	WKG AIR FORCE RESCUE 224	AL -MA
USA	5696.0	U	2047	TRAVERSE CITY	USCG	WKG CG 2132	JCH-MD
USA	5696.0	U	0441	SAN DIEGO	USCG	WKG CG 4121	JCH-MD
USA	5696.0	U	0109	FORT ARANSAS	USCG	CLG CORPUS CHRISTI	FJB-NJ
USA	5696.0	U	0145	MIAMI	USCG	CLG SAN FRANCISCO	FJB-NJ
USA	5696.0	U	2205	TRAVERSE CITY	USCG	WKG CG 2131	FJB-NJ
USA	5696.0	U	1816	MIAMI	USCG	WKG CG 1483	KFN-FL
USA	5696.0	U	1915	MIAMI	USCG	WKG CG 2136	KFN-FL
USA	5696.0	U	1805	MIAMI	USCG	WKG CG 1702	KFN-FL
USA	5696.0	U	0042	BOSTON	USCG	WKG CG 2133	NRC-MA
USA	5696.0	U	2033	MIAMI	USCG	WKG CG 2136	ES -MA
USA	6252.0	C	1231	BALTIMORE	MARCO	V MARKER	CEK-WV
USA	6365.5	C	0057	KFS	MARCG	CQ MARKER	NRC-MA
USA	6515.7	U	2006	WITHAMSVILLE	MARCO	OHIO RIVER TFC	RSR-ON
USA	6518.8	U	0059	PORTSMOUTH	USCG	WKG USCGC MESQUITE	JFH-MA
USA	6518.8	U	1412	MIAMI	USCG	WKG USCGC DILIGENCE	SR -MI
USA	6521.9	U	2246	GREENVILLE,MS	MARCO	WKG MISSISSIPPI RIVER TUG	DS -OH
USA	6521.9	U	2233	HOUSTON	MARCO	WKG TUBBOAT	DS -OH
USA	6521.9	U	0128	NORFOLK	MARCO	WKG	RSR-ON
USA	6873.0	I	0550	GREENVILLE	MARCO	FEDER VOA ISB FEEDER	MWS-IA
USA	8474.0	C	0627	WLD	MARCO	DE MARKER	AL -MA
USA	8488.0	C	0623	MOBILE	MARCO	DE MARKER	AL -MA
USA	8487.0	C	1219	LANTANA	MARCO	DE MARKER	AL -MA
USA	8502.0	C	1230	LANTANA	MARCO	V MARKER	CEK-WV
USA	8612.0	C	2127	NEW HAVEN	MARCO	CQ MARKER	RM -IL
USA	8615.5	C	2222	TAMPA	MARCO	CQ MARKER	DBS-FL
USA	8616.0	C	1500	TAMPA	MARCO	CQ MARKER	PAC-UK
USA	8689.0	C	1500	TAMPA	MARCO	CQ MARKER	CEK-WV
USA	8689.0	C	1500	SLIDELL	MARCO	CQ MARKER	AL -MA
USA	8722.0	U	0526	PENNSUCO	MARCO	WKG VESSEL FAIR SKIES	JFH-MA
USA	8765.4	U	1040	WMC	USCG	MARINE WEATHER	DRU-MI
USA	8984.0	U	1221	MIAMI	USCG	WKG CG 1421	SR -MI
USA	11180.0	L	2002	AFA 3	USAFB	WKG SAM 86971	JCH-MD
USA	11246.0	L	2135	AFA 8	AFB	WKG TEAL 20	KFN-FL
USA	11249.0	L	2053	AFA 5	AFB	WKG AIR FORCE 1	KFN-FL
USA	12022.5	C	2124	KKN 463	DDS	CLG KKS 29	RM -IL
USA	12429.2	U	1911	KFN 50	MARCO	WKG M/V JOHN M	JCH-MD
USA	12432.3	U	1722	KHT	MARCO	TFC WITH EXDON YORKTOWN	MWJ-IDe
USA	12472.2	U	2323	KLC	MARCO	WKG ALUTIAN JET DEVELOPR	JCH-MD
USA	12728.0	X	2720	SAN FRANCISCO	USCG	120LPM DUAL MAFS	JMN-CA
USA	12979.5	C	1900	WSC	MARCO	CQ MARKER	RM -IL
USA	12947.5	C	2017	WKM	MARCO	CQ MARKER	RM -IL
USA	13100.8	U	2100	KMI	MARCO	TFC LIST	FJB-NJ
USA	14470.0	U	2040	NAD	NAVRAV	WKG MARS TFC	RR -MS
USA	17007.0	C	2135	KLB	MARCO	CQ MARKER	FW -FL
USA	17027.0	C	2044	KFS	MARCO	CQ MARKER	FW -FL
USA	17089.0	C	2105	KPH	MARCO	V MARKER	FW -FL
USA	17117.0	C	2150	WNU	MARCO	CQ MARKER	FW -FL
USA	17173.5	C	2150	WLD	MARCO	DE MARKER	FW -FL
USA	17184.1	C	2212	KFS	MARCO	CQ MARKER	FW -FL
USA	17184.8	C	2025	KFS	MARCO	CQ MARKER	FW -FL
USA	17184.8	C	2104	KFS	MARCO	DE MARKER	FW -FL
USA	17199.5	C	2123	WLD	MARCO	DE MARKER	FW -FL
USA	17203.7	C	2036	KPH	MARCO	DE MARKER	FW -FL
USA	17205.5	C	2134	KPH	MARCO	V MARKER	FW -FL
USA	17205.5	C	2047	WLD	MARCO	V MARKER	FW -FL
USA	19849.7	C	1655	WFI 77	AF	GRA MARKER	FW -FL

*** CENTRAL AMERICA ***

CNTRY	FREQ	M	TIME	CALL	CITY	IDENT	TRAFFIC	CONTRB
BELZ	14692.0	L	1558	MSS	BELIZE CITY	BA	TELCOMS	RM -IL
COST	4290.3	C	0226	TIM	LIMON	MARCO	CQ MARKER	JAK-WV
COST	17149.0	C	1737	TIM	LIMON	MARCO	CQ MARKER	FW -FL
PANA	8993.0	C	2358	AHF 3	ALBROOK	USAFB	WKG 129	RSR-ON
PANA	11176.0	U	1735	AHF 3	ALBROOK	USAFB	WKG BROCA 20	JCH-MD
PANA	12875.0	C	1320	HPN 60	CANAL ZONE	MARCO	CQ MARKER	CEK-WV
PANA	14455.0	U	1436	NA4XAR			WKG NA4XAT, CANAL BARGES	RM -IL
PANA	15700.1	U	1825	HOWARD	ALCC	USAF	CLG MAC ALPHA 030	JAK-WV
PANA	17128.5	C	1618	HPN	CANAL ZONE	MARCO	CQ MARKER	FW -FL

*** CARIBBEAN ***

CNTRY	FREQ	M	TIME	CALL	CITY	IDENT	TRAFFIC	CONTRB
BAHM	18023.0	U	1631		ROCK SOUND	AERO	WKG HEE 81	RM -IL
BARB	8450.0	C	1217	8PD	BRIDGETOWN	MARCO	DE MARKER	CEK-WV
BARB	8765.4	U	0051	8PD	BRIDGETOWN	MARCO	TFC LIST	JFH-MA
CUBA	6435.0	C	0437	CLQ	HAVANA	MARCO	CQ MARKER	FW -FL
CUBA	7407.0	R	0033	CML 5	HAVANA	PTT	RVS/FOXES	JFH-MA
CUBA	7640.5	C	0545	CLN 78	HAVANA	PTT	CLG UJY 2	DB -AR
CUBA	8496.8	C	0539	CLA	HAVANA	MARCO	FIZ DE CLA	AJN-NY
CUBA	13062.0	C	1816	CLA 32	HAVANA	MARCO	CQ MARKER	BPS-CA

JAM	2182.0	U	0413	6YX	KINGSTON	JCG	WKG M/V SKYCLIFT	JCH-MD	
JAM	2182.0	U	0410	6YX	KINGSTON	JCG	WKG M/V SKYECLIFFE	JFH-MA	
MART	16921.5	C	2113	FUF	FT DE FRANCE	NAVADR	V MARKER	BFS-CA	
MART	16961.5	C	2242	FUF	FT DE FRANCE	NAVADR	V MARKER	DB-AR	
MART	17108.0	C	2108	FUF	FT DE FRANCE	NAVADR	DE MARKER	FW-FL	
PR	5692.0	U	2330	NMR	26	BORINQUEN	USCG	WKG CG 1746	JCH-MD
PR	5796.0	U	0434	NMR	26	BORINQUEN	USCG	WKG CG 1494	JCH-MD
PR	6577.0	U	0558			SAN JUAN	ARINC	WKG 861	MWS-IA
PR	12700.0	C	0653	NMR		SAN JUAN	NAVADR	DE MARKER	AL-MA
TRIN	2735.0	U	0612			TRINIDAD	CG	WKG M/V SUNVIKING	JFH-MA
TRIN	8441.4	C	1258	9YL	NORTH POST	MARCO	CQ MARKER	GLB-FL	
VRG	6518.8	U	0503	WAH	ST. THOMAS	MARCO	SKED & FREQ LIST	NAP-AL	

*** SOUTH AMERICA ***

CNTRY	FREQ	M	TIME	CALL	CITY	IDENT	TRAFFIC	CONTRB
ARGN	6460.0	C	0401	LSA 3	BOCA	ELMA	V MARKER	RR-MS
ARGN	8765.4	U	0303	LPB	RIO GALLEGOS	MARCO	TONES, VOICE ID, FREQ LST	JFH-MA
ARGN	9115.0	U	2323	LSB 91	RIVADAVIA	MARCO	TELEFONO CALLS	RM-IL
ARGN	15377.9	C	2053	AYA	BUENOS AIRES	INTRPL	TESTING, TFC	GLB-FL
ARGN	17285.6	U	0117	LPL	GEN. PACHECO	MARCO	VOICE MARKER	RR-MS
ASCN	6750.0	U	0446	AFD 14	ASCENSION	AERO	WKG MAC 50216	JCH-MD
ASCN	11176.0	U	1914	AFD 14	ASCENSION	AERO	WKG CANMIL 528	JCH-MD
ASCN	15015.0	U	1838	AFD 14	ASCENSION	AERO	SKG MAC 90022	JCH-MD
BRZL	5526.0	U	0522		PUERTO VELHO	AERO	WKG CLIPPER 454	JCH-MD
BRZL	5526.0	U	0437		CAMPO GRANDE	AERO	WKG ARGENTINA 300	JCH-MD
BRZL	5526.0	U	0348		BRAZILIA	AERO	WKG CLIPPER 202	JCH-MD
BRZL	8491.9	C	0257	PFR	RIO DE JANIERO	MARCO	CQ MARKER	AJN-NY
BRZL	8521.0	C	0418	PPD	OLINDA	MARCO	V MARKER	DS-CA
BRZL	8550.8	C	0448	PWZ	R DE JANIERO	NAVADR	V MARKER	AJN-NY
BRZL	8855.0	U	0432		BELEM	AERO	WKG NAVY 58221	JCH-MD
BRZL	8861.0	U	2052		SALVADOR	AERO	WKG LIMA OSCAR 5255	JCH-MD
BRZL	17162.0	C	1743	PPD	OLINDA	MARCO	V MARKER	CEK-WV
BRZL	17170.0	C	2051	PFL	BELEM	MARCO	V MARKER	FW-FL
CHIL	2808.0	C	0800	CCS	SANTIAGO	NAVADR	V MARKER	RSR-ON
CHIL	4765.0	C	0502	CCS	SANTIAGO	NAVADR	V MARKER	BFS-CA
CHIL	4770.0	C	0650	CCS	SANTIAGO	NAVADR	V MARKER	RSR-ON
CHIL	6419.0	C	0230	CCS	SANTIAGO	NAVADR	V MARKER	GLT-NM
CHIL	22123.0	C	2116	CCS	SANTIAGO	NAVADR	V MARKER	BFS-CA
COLO	8573.8	C	0710	HKC	BUENAVENTURA	MARCO	CQ MARKER	RSR-ON
COLO	8701.0	C	1210	HKB	BARRANQUILLA	MARCO	CQ MARKER	CEK-WV
COLO	8855.0	U	0438		BOGOTA	AERO	WKG MANAUS	JCH-MD
COLO	17003.8	C	1755	HKB	BARRANQUILLA	MARCO	CQ MARKER	FW-FL
COLO	17044.5	C	1744	HKC	BUENAVENTURA	MARCO	V MARKER	JAK-WV
ECUA	7600.0	A	0120	HD210A	GUAYABUIL	SFTS	TIME SIGNALS	DDS-FL
ECUA	12701.3	C	1439	HCG	GUYABUIL	MARCO	CLG DJJH	GLB-FL
ORK	9106.0	U	2346		RYAN BASE	AERO	CLG HALLEY BASE	GS-IA
SURT	8526.0	U	0435	ZHF 33	PARAMARIBO	MARCO	WKG P1ARCO	JCH-MD
SURT	8653.0	C	1231	PZN 3	PARAMARIBO	MARCO	CQ MARKER	CEK-WV
SURT	16956.0	C	1744	PZN	PARAMARIBO	MARCO	CQ MARKER	PAC-UK
URGY	8602.0	C	2353	CWA	CERRITO	MARCO	CQ MARKER	JAK-WV
URGY	8602.9	C	2326	CWA	CERRITO	MARCO	ERQ DE TNM CWA CWA	AJN-NY
URGY	12750.0	C	1548	CWA	CERRITO	MARCO	CA MARKER	GS-IA
VENE	6100.0	A	0701	YVTO	CARACAS	SFTS	TIME SIGNALS	MWS-IA
VENE	6100.0	A	0503	YVTO	CARACAS	SFTS	TIME SIGNALS	DB-AR
VENE	6100.0	A	1100	YVTO	CARACAS	SFTS	TIME SIGNALS	JAD-TX
VENE	10096.0	U	1953		MAIQUETIA	AERO	WKG IVORY 60	JCH-MD
VENE	17141.0	C	2117	YVG	LA GUAYRA	MARCO	V MARKER	FW-FL
VENE	17141.2	C	1742	YVG	LA GUAYRA	MARCO	V MARKER	JAK-WV
VENE	17141.5	C	1729	YVG	LA GUAYRA	MARCO	V MARKER	FW-FL

*** EUROPE ***

CNTRY	FREQ	M	TIME	CALL	CITY	IDENT	TRAFFIC	CONTRB
AZOR	3081.0	U	0332	CWJ	LAJES	USAF	TFC	MWJ-ID
AZOR	5616.0	U	0739	CSY	SANTA MARIA	AERO	WKG VAR AIRCRAFT	DS-OH
AZOR	5616.0	U	0324	CSY 21	SANTA MARIA	AERO	WKG CLIPPER 110	FW-FL
BELG	6391.0	C	0121	OSN	OOSTENDE	NAVADR	V MARKER	AL-MA
BELG	6391.5	C	0403	OSN 46	OOSTENDE	NAVADR	V MARKER	RR-MS
BELG	12781.5	C	1952	OST	OOSTENDE	MARCO	V MARKER	RR-MS
BELG	13067.0	C	1844	OST 1	OOSTENDE	MARCO	V MARKER	CEK-WV
BELG	17017.1	C	1802	OST	OOSTENDE	MARCO	V MARKER	FW-FL
CYPR	7485.3	R	0020	MKD	AKROTIRI	RAF	RY'S & FOXES	JFH-MA
CYPR	8771.6	U	2335	5BA 42	NICOSIA	MARCO	VOICE MARKER	JCH-MD
CYPR	10141.0	U	2135	5BC 46	NICOSIA	CTA	VOICE MARKER	RR-IL
CYPR	10141.6	U	2242	5BC 46	NICOSIA	CTA	VOICE MARKER	AJN-NY
CYPR	14360.0	C	1643	KWS 78	NICOSIA	EMBASY	SELCAL TONES, QRA MSB	GR-IL
CYPR	18351.0	C	1550	KWS 78	NICOSIA	EMBASY	QRA MARKER	RM-IL
DEN	12329.0	C	1259	OVS	FREDERIKSHAVN	MARCO	V MARKER	GLB-FL
DEN	12917.0	C	1327	OXZ 6	LYNGBY	MARCO	CQ MARKER	CEK-WV
DEN	13084.0	C	1848	OXZ	LYNGBY	MARCO	WKG ID, THEN ARQ PHASE SIG	JAK-WV
EIRE	8822.0	U	1958		SHANBICH	AERO	WKG MAC 59409	JCH-MD
ENG	3188.5	C	0608	GXW	PORTLAND	NAVADR	DE MARKER	RR-MS
ENG	4310.0	C	0305	MTI	PLYMOUTH	NAVADR	V MARKER	RM-IL
ENG	5703.0	U	2125	AJE	WOLVEY	USAF	WKG MAC 68304	JCH-MD
ENG	6435.5	C	0148	GVA	LONDON	NAVADR	DE MARKER	BJ-TX
ENG	6495.0	C	0132	GKE	PORTSHEAD	MARCO	DE MARKER	AL-MA
ENG	6750.0	U	1945	AJE	WOLVEY	USAF	WKG MAC 60133	JCH-MD
ENG	8765.4	U	1930	GKU 46	PORTSHEAD	MARCO	TEL TFC	JFH-MA
ENG	8765.4	U	1900	GKU 46	PORTSHEAD	MARCO	WKG JBCC	JAK-WV
ENG	11176.0	U	1959	AJE	WOLVEY	USAF	WKG HEP 73	JCH-MD
ENG	11199.8	U	1545	MVU	WEST DRAYTON	VOLMET	RAF METEO	RMA-FR
ENG	12807.5	C	1717	8YA	LONDON	NAVADR	V MARKER	RM-IL
ENG	12835.0	C	1853	GKD 3	PORTSHEAD	MARCO	DE MARKER	CEK-WV
ENG	12836.0	C	1317	GKB 4	PORTSHEAD	MARCO	CQ MARKER	CEK-WV

ENG	17070.8	C	1615	GYC	LONDON	NAVRAV	V MARKER	GLT-NM
ENG	17098.4	U	1604	GKA	PORTISHEAD	MARCO	DE MARKER	FW -FL
ENG	17215.2	U	2048	GKF	PORTISHEAD	MARCO	VAP	FW -FL
ENG	17231.0	U	2102	GKQ	PORTISHEAD	MARCO	DE MARKER	FW -FL
FIN	12669.0	C	1507	OFJ	HELSINKI	MARCO	Q5X MSG	GLB-FL
FRAN	4232.0	C	0510	HWN	PARIS	NAVRAV	DE MARKER	AL -MA
FRAN	4232.0	C	0037	HWN	PARIS	NAVRAV	V MARKER	NRC-MA
FRAN	8008.0	U	0452	FFL 41	ST. LYS	MARCO	TFC	RM -IL
FRAN	10562.0	U	2005	FTK ^{56A}	PARIS	4FP	FF NEWS	FW -FL
FRAN	12912.6	C	0502	FFL	ST. LYS	MARCO	CO MARKER	JAK-WV
FRAN	13165.9	U	1900	FFL 64	ST. LYS	MARCO	VOICE/MUSIC MARKER	GLB-FL
FRAN	15737.9	C	1945	FSB	PARIS	INTRPL	TFC 1W FF	RM -IL
FRAN	19225.0	C	1620	FDY	ARLEANS	AFB	V MARKER	JCH-MD
FRG	5690.0	U	0436	DHM 95	LAHR	MARCO	CO MARKER	BJ -TX
FRG	6435.5	C	0146	DAN	NORDDEICH	LDOC	WKG SABENA 372	JCH-MD
FRG	6637.0	U	0038		NORDDEICH	MARCO	V MARKER	AJN-NY
FRG	8673.4	C	2229	DAF	NORDDEICH	FEEDER	ISB RFE FEEDER	RM -IL
FRG	10860.0	U	1850		HOLZKIRCHEN	MARCO	V MARKER	CEK-WV
FRG	12763.0	C	1312	DAM	NORDDEICH	MARCO	V MARKER	FW -FL
FRG	16980.4	C	1749	DAM	NORDDEICH	MARCO	V MARKER	FW -FL
FRG	17143.6	C	1755	DAN	NORDDEICH	MARCO	CO MARKER	FW -FL
FRG	17147.8	C	1756	DAL	NORDDEICH	MARCO	V MARKER	FW -FL
GBR	4525.0	C	0315	Y3S	NAUEN	SFTS	TIME SIGNALS	MWJ-ID
GBR	17000.0	C	1502	Y5M	RUGEN	MARCO	CO MARKER	RM -IL
GREE	6411.0	C	0321	SVF	ATHENS	MARCO	DE MARKER	NRC-MA
GREE	6478.5	C	0115	SVA	ATHENS	MARCO	DE MARKER	RSR-DN
GREE	13082.5	C	1851	SVT	ATHENS	MARCO	DE MARKER	JAK-WV
GREE	13083.0	C	1842	SVT	ATHENS	MARCO	DE MARKER	CEK-WV
GREE	17094.8	C	1601	SVA	ATHENS	MARCO	CO MARKER	FW -FL
HOLL	6491.5	C	0056	PJC	WILLEMSTAD	MARCO	ID MARKER	JHF-MA
HOLL	7075.0	L	0230	PA6FLD	FLEVO	ARO	ARO USES R. NETH. ANTENNA	BCW-VA
HOLL	7079.0	L	0458	PA6FLD	FLEVO	ARO	ARO ON R. NETH. ANTENNA	ES -MA
HOLL	8694.0	C	1227	PJC	WILLEMSTAD	MARCO	CO MARKER	CEK-WV
HOLL	8694.0	C	0430	PJC	WILLEMSTAD	MARCO	CO MARKER	DS -CA
HOLL	17007.0	C	1813	PCH 61	SCHEVINGEN	MARCO	DE MARKER	CEK-WV
HOLL	17007.2	C	1757	PCH	SCHEVINGEN	MARCO	DE MARKER	FW -FL
HOLL	17104.2	C	1611	PCH	SCHEVINGEN	MARCO	DE MARKER	FW -FL
HOLL	17104.2	C	1611	HRP	SCHEVINGEN	MARCO	CO MARKER	PAC-UK
HUNG	12963.0	C	1402	HRP	BUDAPEST	MARCO	CO MARKER	FW -FL
ITLY	2291.6	C	0526	IDB	ROME	NAVRAV	ID	JAK-WV
ITLY	2295.1	C	1957	IDB	TRIESTE	MARCO	CO MARKER	RR -MS
ITLY	12978.0	C	1958	ICB	TRIESTE	MARCO	V MARKER	RR -MS
ITLY	13011.3	C	1916	IAR	GENOVA	MARCO	V MARKER	JAK-WV
ITLY	13015.8	C	1913	IAR	ROME	MARCO	V MARKER	JAK-WV
MALT	5641.0	U	2335	9HA	ROME	MARCO	V MARKER	JAK-WV
NOR	6432.0	C	2021	LGW	LUGA	AERO	WKG AIR ALGERIA 4628	NRC-MA
NOR	8527.5	C	2036	LGW	ROGALAND	MARCO	CO MARKER	NRC-MA
NOR	12682.5	C	1943	LGW	ROGALAND	MARCO	CO MARKER	JAK-WV
NOR	12961.5	C	1918	LGW	ROGALAND	MARCO	CO MARKER	JAK-WV
NOR	15739.2	C	1816	LIQ	ROGALAND	MARCO	CO MARKER	GLB-FL
POL	13616.2	U	1903	SPH	INTPL	CLS AYA	INTPL	RR -MS
PORT	3782.0	C	0239	CTP	GOYNIA	MARCO	DE MARKER	JAK-WV
PORT	8490.2	C	0154	CUL 7	DEIRAS	NATO	V MARKER	JAK-WV
PORT	8490.2	C	0230	CUL	LISBON	MARCO	CO MARKER	AJN-NY
PORT	8355.5	C	2045	CTP	LISBON	MARCO	DE MARKER	NRC-MA
PORT	8699.7	C	0143	CTV	DEIRAS	NATO	V MARKER	JAK-WV
PORT	8700.3	C	0435	CTU	LISBON	NAVRAV	V MARKER	AJN-NY
PORT	16960.0	C	1818	CUA 12	LISBON	CPRM	TFC LIST	CEK-WV
SPAN	1768.0	C	2034	EAC	TARIFA	MARCO	'SECURITY' MSG	PAC-UK
SPAN	4249.0	C	0501	EAD	ARANJUEZ	MARCO	CO MARKER	AL -MA
SPAN	6400.5	C	0653	EAD	ARANJUEZ	MARCO	CO MARKER	FW -FL
SPAN	8618.0	C	0240	EAD 3	ARANJUEZ	MARCO	CO MARKER	FEN-NY
SPAN	12887.5	C	0445	EAD	ARANJUEZ	MARCO	CO MARKER	FW -FL
SPAN	12934.9	C	1920	EAD 4	ARANJUEZ	MARCO	CO MARKER	JAK-WV
SPAN	13082.1	C	1853	EAD	ARANJUEZ	MARCO	CO MARKER	JAK-WV
SPAN	17065.0	C	2054	EAD	ARANJUEZ	MARCO	CO MARKER	FW -FL
SPAN	19154.0	U	1722	EHY 78	MADRID	CTNE	SS/YL PHONE CALL	RM -IL
SWED	1778.0	U	2033	SDJ	STOCKHOLM	MARCO	ALL SHIPS	PAC-UK
SWED	2182.0	U	2205	SAE	TINGSTADE	MARCO	ALL SHIPS LISTEN 2768	PAC-UK
SWED	11222.0	U	1820	HEB	STOCKHOLM	LDOC	WKG HOTEL HOTEL 2ULU	JCH-MD
SWIS	8601.5	C	1517	HEB	BERNE	MARCO	CO MARKER	GLT-NM
SWIS	18023.0	U	1517	HEE 81	BERNE	AERO	P/P TO A/C'S	RM -IL
USSR	4295.0	C	1301	UKA	VLADISVOSTOK	MARCO	CO MARKER	MC -AZ
USSR	4543.0	C	0316	UNM	KLAIPEDA	MARCO	V MARKER	RM -IL
USSR	4516.7	X	1000	RHB	KHABAROVSK	METE0	120LPM 12HOUR PROG	JMN-CA
USSR	6497.0	C	0406	UFB	ODESSA	MARCO	V MARKER	RR -MS
USSR	8711.5	C	0435	UFN	NOVORISSYSK	MARCO	DE MARKER	BJ -TX
USSR	9476.0	C	0237	RCV	MOSCOW	NAVRAV	CLG UAHY	RR -MS
USSR	12720.0	C	1800	RMP	KALININGRAD	NAVRAV	RUSSIAN NTM'S	RM -IL
USSR	12905.5	C	1917	UMV	MURMANSK	MARCO	RUSSIAN NTM'S	RM -IL
USSR	12942.0	C	1932	UFD 9	ARKHANGELSK	MARCO	RR NTM, SIMULCAST W/ UMV?	RM -IL
YUGO	12780.5	C	1950	YUR	RIJEKA	MARCO	V MARKER	RR -MS
YUGO	16943.1	C	1412	YUR	RIJEKA	MARCO	V MARKER. HVY RTTY QRM	GLB-FL

*** AFRICA/MIDDLE EAST ***

CNTRY	FREQ	M	TIME	CALL	CITY	IDENT	TRAFFIC	CONTRB
ALGE	5652.0	U	0215		ALGIERS	AERO	WKG SABENA 166	RM -IL
ALGE	5652.0	U	0438		ALGIERS	AERO	WKG PORTUGAL 257	JCH-MD
ALGE	12661.9	C	1329	7TA 8	ALGIERS	MARCO	CO MARKER	GLB-FL
ALGE	12662.0	C	1640	7TA 8	ALGIERS	MARCO	CO MARKER	RM -IL
ALGE	12662.1	C	1456	7TA 8	ALGIERS	MARCO	CO MARKER	GLB-FL
ANGO	6369.0	C	0049	D3E 41	LUANDA	MARCO	CO MARKER	RSR-DN
ANGO	6396.0	C	0215	D3E 41	LUANDA	MARCO	CO MARKER	GLT-NM
ANGO	8565.0	C	1530	D3E 51	LUANDA	MARCO	CO MARKER	GLT-NM
ANGO	8565.0	C	0613	D3E	LUANDA	MARCO	CO MARKER	AL -MA

ANGO	9566.0	C	0634	D3E	51	LUANDA	MARCO	FREQ LIST	AJN-NY
ANGO	8903.0	U	2340			LUANDA	AERO	W6 ANGOLA 674	JCH-MD
ANGO	12780.0	C	1950	D3E		LUANDA	MARCO	CQ MARKER	RR -MS
ANGO	12870.3	C	1930	D3E	51	LUAND	MARCO	CQ MARKER	JAK-WV
BRAN	5658.0	U	2317			BAHRAIN	AERO	W6 MAC 68304	JCH-MD
BRAN	5658.0	U	0359			BAHRAIN	AERO	W6 SPEEDBIRD 146	JCH-MD
BULG	17174.8	C	0597	A9M		MANAMA	MARCO	DE MARKER	PAC-UK
CAPE	4219.2	C	0057	L2W		VARNA	MARCO	DE MARKER	GLB-FL
CAPE	6535.0	C	0546			SAL	MARCO	DE MARKER	JCH-MD
CAPE	8467.8	C	0141	D4A		SAO VICENTE	AERO	W6 VARIG 610	JCH-MD
CAPE	8475.6	C	1940	D4A		SAO VICENTE	MARCO	CQ MARKER	GLB-FL
CAPE	8861.0	U	1958			SAL	AERO	W6 CUBANA 494	RR -IL
CNRY	8861.0	U	0444			CANARIAS	AERO	W6 VARIG 731	JCH-MD
DJIB	8682.0	C	1440	J2A	8	DJIBOUTI	MARCO	CQ MARKER	GLT-NM
DJIB	8682.0	C	0347	J2A	8	DJIBOUTI	MARCO	CQ MARKER	GLB-FL
DJIB	8992.4	C	2356	FUV		DJIBOUTI	NAVRAD	V MARKER	RSR-ON
DJIB	8992.5	C	2058	FUV		DJIBOUTI	NAVRAD	V MARKER	NRC-MA
DJIB	11300.0	U	2000			DJIBOUTI	AERO	W6 KHARTOUM	JCH-MD
DJIB	13042.6	C	2090	FUV		DJIBOUTI	NAVRAD	V MARKER	RR -MS
EGBT	5658.0	U	2326	SUC	66	CAIRO	AERO	W6 SPEEDBIRD 57	JCH-MD
EGBT	5658.0	U	0322	SUC	66	CAIRO	AERO	W6 SPEEDBIRD 68	RR -IL
EGBT	5658.0	U	0450	SUC	66	CAIRO	AERO	W6 ALITALIA 582	JCH-MD
EGBT	5658.0	U	0207	SUC	66	CAIRO	AERO	W6 KHARTOUM	JG -NY
EGBT	8471.4	C	1952	SUF		PORT SAID	MARCO	V MARKER	FAC-UK
EGBT	8578.1	C	2350	SUH		ALEXANDRIA	MARCO	V MARKER	GLB-FL
EGBT	10123.5	X	1700	SUU		CAIRO	MARCO	V MARKER	RMA-FR
EGBT	12969.3	C	1219	SUH		ALEXANDRIA	MARCO	V MARKER	PAC-UK
ETHO	8927.0	U	0426			HALLOWAY	LDCC	W6 A/C	JCH-MD
GUIA	6383.0	C	2123	3X0	27	KAMSAK	MARCO	MANUAL CQ MARKER	PAC-UK
GUIA	8861.0	U	0009	3XA		CANAKRY	AERO	W6 UTA 828	JCH-MD
IRAQ	12659.9	C	1006	YIR		BAGHDAD	MARCO	V MARKER	FAC-UK
ISRL	6379.0	U	2259	4XZ		HAIFA	NAVRAD	V MARKER	JFH-MA
ISRL	6379.0	C	0243	4XZ		HAIFA	NAVRAD	V MARKER	NRC-MA
ISRL	8694.4	C	1520	4X0		HAIFA	MARCO	CQ MARKER	GLT-NM
ISRL	9455.6	C	0415	4X0		HAIFA	MARCO	CQ MARKER	RR -MS
ISRL	17060.0	C	1355	4X0		HAIFA	MARCO	CQ MARKER	RR -IL
ISRY	8861.0	U	2020			ABIDJAN	AERO	W6 SPRINGBOK 250	JCH-MD
JEN	5458.0	U	0338	5VD		NAIROBI	AERO	W6 AIR FRANCE 463	JCH-MD
KEN	18415.0	U	1352	5VC		NAIROBI	V MARKER		RR -IL
LIBE	7652.0	C	0541	KKN	44	MONROVIA	EMBASSY	GRA MARKER	NRC-MA
LIBE	7652.9	C	0554	KKN	44	MONROVIA	EMBASSY	GRA MARKER	AJN-NY
LIBE	7654.0	M	2348	KKN	44	MONROVIA	FEEDER	VOA FEEDER, EE PGM	GLB-FL
LIBE	10877.5	U	1853	SLA	10	CAREYSBURG	EMBASSY	DE MARKER	RR -IL
LIBE	17403.0	C	1822	KKN	44	MONROVIA	EMBASSY	DE MARKER	JAK-WV
LIBE	17404.0	C	1728	KKN	44	MONROVIA	EMBASSY	GRA DE KKN 44	JAK-WV
LIBE	17404.1	C	1546	KKN	44	MONROVIA	EMBASSY	US EMB, GRA MARKER	GLB-FL
MADA	8879.0	U	0423			TANANARIVE	AERO	W6 ETA 490	JCH-MD
MADA	8879.0	U	0436			ANTANANARIVO	AERO	W6 DAR-ES-SALAAM	JCH-MD
MADA	8879.0	U	0407			TANANARIVE	AERO	W6 NAIROBI	JCH-MD
MALI	8861.0	U	2359			BAMAKO	AERO	W6 DAKAR	JCH-MD
MAUR	17988.4	C	0422	3BM	3	BIGARA	MARCO	CQ MARKER	GLB-FL
MURI	8861.0	U	1744			NOUAKCHOTT	AERO	W6 HOTEL ZULU ALPHA TANG	JCH-MD
MURI	8861.0	U	2000			NOUADHIBOU	AERO	W6 NOUAKCHOTT	JCH-MD
NIGR	8903.0	U	0112	SNK		KANO	AERO	W6 KLM 524	JCH-MD
NIGR	8903.0	U	0112	SNK		KANO	AERO	W6 ETHIOPIAN 942	JCH-MD
REUN	8475.5	C	0222	FUX		SAINT DENIS	NAVRAD	V MARKER	NRC-MA
REUN	13215.3	C	1930	FUX		SAINT DENIS	NAVRAD	V MARKER	AJN-NY
REUN	13215.5	C	2215	FUX		SAINT DENIS	NAVRAD	V MARKER	GLT-NM
REUN	17062.0	C	1400	FUX		SAINT DENIS	NAVRAD	V MARKER	RR -IL
SAUD	8927.0	U	0526	HJZ		JEDDAH	AERO	W6 SANDI 087	JCH-MD
SENE	4305.7	C	0253	6WV		DAKAR	NAVRAD	'VOE EI LA LISTE SE TFC'	AJN-NY
SENE	8861.0	U	0506	6VY	41	DAKAR	AERO	W6 ANGOLA 756	RR -IL
SENE	8861.0	U	0215	6VY	41	DAKAR	AERO	W6 SPRINGBOK 211	RR -MS
SENE	12657.6	C	1115	6VA		DAKAR	MARCO	CQ MARKER	PAC-UK
SENE	13410.0	C	1627	6WV		DAKAR	NAVRAD	V MARKER	GS -WA
SENE	13410.0	C	1838	6WV		DAKAR	NAVRAD	V MARKER	CEK-WV
SENE	16951.5	C	2230	6WV		DAKAR	NAVRAD	V MARKER	GLT-NM
SENE	16951.5	C	2235	6WV		DAKAR	NAVRAD	DE MARKER	DB -AR
SENE	16952.0	C	1854	6WV		DAKAR	NAVRAD	V MARKER	CEK-WV
SILE	8961.0	U	2553			FREETOWN	AERO	W6 ROBERTS	JCH-MD
SOAF	4224.0	U	0415	ZRH		CAPETOWN	NAVRAD	V MARKER	RSR-ON
SOAF	4224.8	C	0418	ZR0		SIMONSTOWN	NAVRAD	V MARKER	RSR-ON
SOAF	4224.0	C	0340	ZR0	2	CAPETOWN	NAVRAD	V MARKER	JAK-WV
SOAF	4243.5	C	0415	ZSD		DURBAN	MARCO	CQ MARKER	BJ -TX
SOAF	5000.0	C	0900	ZUD		PRETORIA	SFTS	ID + '0600' IN CW	JG -NY
SOAF	5652.0	U	0322			NIAMEY	ARINC	W6 INDIA KIL0 151	DS -OH
SOAF	6338.0	C	0546	ZR0		SIMONSTOWN	NAVRAD	V MARKER	AL -MA
SOAF	6338.1	C	0055	ZR0		SIMONSTOWN	NAVRAD	V MARKER	RSR-ON
SOAF	8461.2	C	2239	ZSC		CAPETOWN	MARCO	TFC LIST	JAK-WV
SOAF	8470.2	C	0203	ZRH		CAPETOWN	MARCO	CQ MARKER	JAK-WV
SOAF	8566.0	C	0229	ZSJ	4	CAPETOWN	NAVRAD	CQ MARKER	NRC-MA
SOAF	8566.0	C	0510	ZSJ	4	CAPETOWN	NAVRAD	CQ MARKER	DB -AR
SOAF	8566.9	C	0242	ZSJ	4	CAPETOWN	NAVRAD	CQ MARKER	AJN-NY
SOAF	12492.3	C	1945	ZRH		CAPETOWN	NAVRAD	V MARKER	RR -MS
SOAF	12675.9	C	1945	ZRH		SIMONSTOWN	NAVRAD	V MARKER	RR -MS
SOAF	12679.2	C	1925	ZSJ	2	CAPETOWN	NAVRAD	V MARKER, WRM RTTY	JAK-WV
SOAF	13093.0	U	0511	ZSC		CAPETOWN	MARCO	DE MARKER	FW -FL
SOAF	17133.0	U	1720	ZSJ		SILVERMINE	NAVRAD	CQ MARKER	FW -FL
SOAF	17132.2	U	1743	ZSJ		CAPETOWN	NAVRAD	CQ MARKER	FW -FL
SOAF	17164.8	C	1748	ZSC		CAPETOWN	MARCO	CQ MARKER	FW -FL
SUDN	5658.0	U	0146	STK		KHARTOUM	AERO	W6 AEROFLOT 459	RR -IL
TANZ	5658.0	U	2110	SHD		DAR-ES-SALAAM	AERO	W6 SPEEDBIRD 68	JCH-MD
TURK	6501.8	C	0412	TBB	6	ANKARA	NAVRAD	V MARKER	RR -MS
TURK	8611.6	C	0655	TAH		ISTANBUL	MARCO	CQ MARKER	GLB-FL
TURK	11176.0	U	1937	AJG	9	INCIRLIK	USAF	W6 AF 112	JCH-MD
TURK	17008.8	C	1420	TAH		ISTANBUL	MARCO	CQ MARKER. UNUSUAL TIME	GLB-FL

YEMN	5658.0	U	2356	ADEN	AERO	WKG AEROFLOT 447	JCH-MD
YEMN	8918.0	U	2035	SARANA	AERO	CLG JEDDAH	JCH-MD
YEMN	11300.0	U	1955	ADEN	AERO	WKG MIDDLE EAST 364	JCH-MD
ZAMB	8879.0	U	0442	LUSAKA	AERO	WKG LILONGWE AERD	JCH-MD
ZIRE	8903.0	U	1944	KINSASHA	AERO	WKG CLIPPER 183	JCH-MD
ZIRE	8903.0	U	2341	KINSASHA	AERO	WKG CLIPPER 188	JCH-MD
ZIRE	8903.0	U	2229	KINSASHA	AERO	WKG CALEDONIA 634	GR -IL

*** ASIA/FAR EAST ***

CNTRY	FREQ	M	TIME	CALL	CITY	IDENT	TRAFFIC	CONTRB
HONG	8828.0	U	0916		HONG KONG	VOLMET	VOLMET WX	DRU-HI
INDI	8646.0	C	1435	VTP	VISHAKHAPATNAM	NAVRAV	V MARKER	GLT-NM
INDO	16861.7	C	1115	PKB	BELAWAN	MARCO	CQ MARKER	PAC-UK
JPAN	4332.5	C	1256	JCK	KOBE	MARCO	CQ MARKER	MC -AZ
JPAN	5628.0	U	1149		TOKYO	AERO	WKG UNITED 18	DRU-HI
JPAN	8437.0	C	1255	JOS	NAGASAKI	MARCO	CQ MARKER	GLB-FL
JPAN	8478.7	C	1231	JCU	CHOSI	MARCO	CQ MARKER	GLB-FL
JPAN	8686.0	C	1135	JCT	CHOSI	MARCO	CQ MARKER	DRU-HI
JPAN	8828.0	U	0910	JMC	TOKYO	VOLMET	VOLMET WX	PAC-UK
JPAN	13054.5	C	0837	JDA	CHOSI	MARCO	CQ MARKER	GLT-NM
JPAN	16893.5	C	0029	JDC	MISAKI FISHERY	MARCO	WKG JAPAN FISHING VESSELS	RR -MS
JPAN	16998.5	C	0038	JDF	CHOSI	MARCO	CQ MARKER	RR -MS
JPAN	18220.0	X	2230	JMH	TOKYO	METEO	120LPM CLOUD LAYER MAP	JMN-CA
MLAY	8698.0	U	1450	PMG	BEYAN LEPAS	MARCO	CQ MARKER	GLT-NM
PAKI	1302.5	C	1247	ASK	KARACHI	MARCO	CQ MARKER	PAC-UK
PHIL	6423.5	C	1250	DZE	MANDALUYONG	MARCO	CQ MARKER	MC -AZ
PHIL	8545.8	C	1330	DZF	BACOD	MARCO	CQ MARKER	GLT-NM
PHIL	8564.1	C	1530	DZE	MANDALUYONG	MARCO	DE MARKER	GLT-NM
PHIL	17176.1	C	1208	D7B	LAS PINAS	-MARCO	CO, 'ITT GLOBE MACKAY'	PAC-UK
PRC	8513.9	C	1615	XSQ 4	GUANGZHOU	MARCO	CQ MARKER	GLT-NM
PRC	8562.0	C	1610	XSQ 3	SHANGHAI	MARCO	CQ MARKER	GLT-NM
ROK	3786.1	U	1209		POHANG	LORAN	WKG YOKOTA MONITOR	MC -AZ
ROK	3786.1	U	1215		HAMPYONG	LORAN	WKG YOKOTA MONITOR	MC -AZ
ROK	8484.0	C	1600	HLF	SEUL	MARCO	CQ MARKER	GLT-NM
ROK	8497.0	C	1605	HLJ	SEUL	MARCO	CQ MARKER	GLT-NM
SING	4313.0	C	1259	9VB 33	SINGAPORE	MARCO	CQ MARKER	MC -AZ
SING	8476.1	C	1555	9VB 56	SINGAPORE	MARCO	CQ MARKER	GLT-NM
SING	8790.3	C	1231	9VB 65	SINGAPORE	MARCO	ATTEM P/P	MC -AZ
SLAN	12952.5	C	1329	4PB	COLOMBO	MARCO	V MARKER	PAC-UK
THAI	6675.7	U	1444		BANGKOK	AERO	VOLMET WX	GS -WA
THAI	8686.0	C	1445	HSA 2	BANGKOK	MARCO	CQ MARKER	GLT-NM
TIWN	8505.0	C	1325	XSX	KEELUNG	MARCO	CQ MARKER	GLT-NM
TIWN	8631.6	C	1510	XSW	KAOHSIUNG	MARCO	CQ MARKER	GLT-NM
TIWN	16940.0	C	0034	XSX	KAOHSIUNG	MARCO	CQ MARKER	RR -MS
TIWN	17011.0	C	0040	XSX	KEELUNG	MARCO	CQ MARKER	RR -MS

*** PACIFIC ***

CNTRY	FREQ	M	TIME	CALL	CITY	IDENT	TRAFFIC	CONTRB
AUST	4500.0	A	1018	VNG	LYNDHURST	SFTS	TIME SIGNALS	DDS-FL
AUST	6676.0	U	1400	VSZY	SYDNEY	AERO	VOLMET WX	GS -WA
AUST	8521.0	C	1535	VIS	-SYDNEY	MARCO	V MARKER	GLT-NM
AUST	8521.1	C	1237	VIS 26	SYDNEY	MARCO	V MARKER	GLB-FL
AUST	8597.0	C	1625	VIP	PERTH	MARCO	V MARKER	GLT-NM
AUST	8597.0	C	1236	VIP	PERTH	MARCO	CQ MARKER	CEK-WV
AUST	8867.0	U	0610	VZSY	SYDNEY	AERO	WKG SPEEDBIRD 10	JCH-MD
AUST	8867.0	U	0617	VZSY	SYDNEY	AERO	WKG BANTAS 46	JCH-MD
AUST	8975.0	U	0602	AXF	SYDNEY	AERO	WKG SHEPHERD 702	JCH-MD
AUST	11235.0	U	2101	AXF	SYDNEY	AAF	WKG UNID STN	JCH-MD
AUST	11378.0	U	2034	VZSY	SYDNEY	AERO	AERO WX. UNUSUAL OPENING.	GRS -IA
AUST	12000.0	A		VNG	LYNDHURST	SFTS	TIME SIGNALS	MW -IL
AUST	12907.5	C	2142	VIX	CANBERRA	MARCO	V MARKER	GLB-FL
AUST	12907.5	C	2225	VHD	NAVRAV	NAVRAV	V MARKER	GLT-NM
AUST	12994.0	C	2220	VIP	PERTH	MARCO	V MARKER	GLT-NM
AUST	17236.0	U	0115	VIS	SYDNEY	MARCO	WKG 'AUSTRALIAN ESCORT'	RR -MS
CAMP	9950.0	U	0512	ZLBC 4	CAMPBELL ISLE	METEO	5D METEO TO WELLINGTON	MC -AZ
FFPO	5643.0	U	1220		TAHITI	AERO	WKG BANTAS 12	MC -AZ
FFPO	6426.8	C	0622	FUM	PAPEETE	NAVRAV	V MARKER	AJN-NY
FFPO	6462.0	C	0442	FUM	PAPEETE	NAVRAV	V MARKER	FW -FL
FFPO	8625.0	C	0519	FUM	PAPEETE	NAVRAV	V MARKER	DB -AR
FFPO	8625.1	C	1520	FUM	PAPEETE	NAVRAV	V MARKER	.LT-NM
FFPO	17380.0	C	2235	FUM	PAPEETE	NAVRAV	V MARKER	GLT-NM
FJJI	5643.0	U	1415	3DN	NANDI	AERO	WKG CLIPPER 815	GS -WA
FJJI	5643.0	U	1158	3DN	NANDI	AERO	WKG UTA 533	MC -AZ
FJJI	8867.0	U	0608	3DN	NANDI	AERO	WKG HAWAIIAN 961	JCH-MD
GUAM	8570.0	C	1620	NRV	APRA HARBOUR	NAVRAV	CQ MARKER	GLT-NM
HI	2122.0	X	0715	NPM	PEARL HARBOUR	NAVRAV	SEA STATE MAP OF GUAM	JMN-CA
HI	5000.0	A	0946	MWH	HONOLULU	SFTS	TIME SIGNALS. SID 555	MWS-IA
HI	5574.0	U	0417	KUA	HONOLULU	AERO	WKG WARD AIR 21	JCH-MD
HI	5574.0	U	0437	KUA	HONOLULU	AERO	WKG 701 DELTA ALPHA	JCH-MD
HI	5574.0	U	0510	KUA	HONOLULU	AERO	WKG 2904	RT -FL
HI	5574.0	U	0500	KUA	HONOLULU	AERO	WKG UNITED 9 ROBER	RT -FL
HI	5696.0	U	0523	NMO	HONOLULU	USCG	WKG CG 1602	JCH-MD
HI	6738.0	U	0443	ABA 2	HICKAM	USAF	WKG MAC 40635	JCH-MD
HI	6738.0	U	1050	ABA 2	HICKAM	USAF	WKG MAC 90024	MH -CA
HI	8867.0	U	0510	KUA	HONOLULU	AERO	WKG HAWAIIAN 961	JCH-MD
HI	8967.0	U	1105	ABA 2	HICKAM	USAF	WKG MAC 50264	DRU-HI
HI	8984.0	U	0201	NMO	HONOLULU	USCG	WKG CG 1602	SR -MI
HI	8984.0	U	0530	NMO	HONOLULU	USCG	WKG 1602	KFN-FL
HI	12889.7	C	2334	NMO	HONOLULU	USCG	CQ MARKER	GLB-FL
HI	13282.0	U	1927	KVM 70	HONOLULU	VOLMET	AERO WX	RR -MS
KERM	9950.0	U	0530	ZME 3	RADUL ISLAND	P/P	VIA WELLINGTON	MC -AZ
MARC	3786.1	U	1214	NRV	MARCUS	LORAN	WKG YOKOTA MONITOR	MC -AZ
NCAL	8657.0	C	0725	FUJ	NOUMEA	NAVRAV	V MARKER	GS -WA
NCAL	8657.0	C	1520	FUJ	NOUMEA	NAVRAV	V MARKER	BLT-NM

NICAL	16957.7	C	0037	FUJ	NOUMEA	NAVRA	V MARKER	RR	-MS
NCAL	22461.0	C	2157	FUJ	NOUMEA	NAVRA	V MARKER	BFS	-CA
NZEL	8503.0	C	1159	ZLB	AMARUA	MARCO	DE MARKER	CEK	-WV
NZEL	8598.0	C	1239	ZLO	WAIOURU	NAVRA	DE MARKER	CEK	-WV
NZEL	8598.4	C	0514	ZLO	WAIOURU	NAVRA	DE MARKER	DB	-AR
NZEL	8828.0	U	1354		AUCKLAND	AERO	VOLMET WX	GS	-WA
NZEL	8828.0	U	0950		AUCKLAND	VOLUME	VOLMET WX	DRU	-HI
NZEL	8867.0	U	0615		AUCKLAND	AERO	WKG CLIPPER 812	JCH	-MD
NZEL	8867.0	U	0548		AUCKLAND	AERO	WKG GANTAS 11	JCH	-MD
NZEL	12740.2	C	1972	ZLB	AMARUA	MARCO	DE MARKER	JAK	-WV
VOLC	3786.1	U	1204	NRT	IWO JIMA	LORAN	WKG NRV GUAM	MC	-AZ

*** RTTY ***

FREQ	TIME	WPM-SHFT	CALL	CITY	IDENT	CNTY	TRAFFIC	CONTRB
2312.0	0100	50-170N	KREW	NEW ORLEANS	NWS	USA	GUCF WEATHER FORECAST	FBH-FL
3097.4	2055	50R	4RM	COLUMBO	AERO	SLAN	RYS	AM -UK
3174.5	1800	ARQ		PARIS		FRAN	NUCLEAR TRANS SECURITY	RMA-FR
3755.2	1110	50-750R	RFLIA	FT DE FRANCE	NAVRA	MART	RY TO RFLID	FBH-FL
4353.7	2247	ARQ	GKA	PORTSHEAD	MARCO	ENG	FROM GUSS	RMA-FR
4357.0	1230	ARQ	KLC	GALVESTON	MARCO	USA	TFC, ID IN CW	FBH-FL
5293.5	6025	50N	AWC	DELHI	AERO	INDI	RYS	AM -IA
5848.0	0400	50-350N	TUH 55	ABIDJAN	AERO	IVRY	RYS, PSE QJH 1	RMA-IA
6465.0	1815	50N	IER 20	ROME	IA	ITLY	CLG IER 50	RMA-FR
6483.0	0240	50-170N	UFB	ODESSA	MARCO	USSR	LONG BULLETIN IN RR	FBH-FL
6495.5	0300	ARQ	UBN	ZDHANVA	MARCO	USSR	TELEXES	FBH-FL
6497.0	0235	ARQ	UFB	ODESSA	MARCO	USSR	TELEXES	FBH-FL
6498.5	0220	FEC	DXZ	LYNGBY	MARCO	DEN	NOW ADDS 'M' (DXZ M)	FBH-FL
6500.5	0510	FEC	KPH	SAN FRANC	MARCO	USA	TFC LIST	RMA-IA
6774.0	0435	50-425N	XTU	DUBAIDUGDU	ASECNA	UFVD	RYS	MC -AZ
6775.0	1643	75-425N	RCF	MOSCOW	USSR	CQ	MARKER	RMA-FR
6792.2	1115	ARQ		WEISBADEN	INTRPL	FRG	TFC	RMA-FR
6792.5	1715	ARQ	YG 99	ROME	INTRPL	ITLY		RMA-FR
6905.0	1140	ARQ	OEQ 38	VIENNA	INTRPL	ASTA	MSG TO BELGRADE	AM -UK
6905.2	1620	ARQ		BRUSSELS	INTRPL	BELG	TFC TO TRIPOLI, MADRID	RMA-FR
6912.3	2200	50N	ETD 3	ADDIS ABABA	AERO	ETHO	RYS	RMA-FR
6924.5	0025	75N	MEG	RHEINDALEN	BA	FRG	TESTING	AM -UK
6924.7	75N	MEG		RHEINDALEN	BA	FRG	FOXES	RMA-FR
6933.6	1210	50N	EHD 000	MADRID	GUARD	SPAN	MSGS TO ZAMORA	AM -UK
6970.0	0522	45-850N	NAU	SAN JUAN	NAVRA	PR	RYS,SGS, NOW IS THE..	AL -MA
7303.6	0311	50-850N	LRO 36	BUENOS AIRES	PRESS	ARGN	TELAM NEWS IN SS	JAK-WV
7306.0	0415	50-850R	LRO 36	BUENOS AIRES	TELAM	ARGN	SS NEWS	RMA-IA
7358.0	0315	50-850N	NEIP	ISLE PASCUE		CEBA	CHILEAN WX	RMA-IA
7407.0	0153	50-425R	CML 5	HAVANA	PTP	CUBA	RYS/FOXES TO ITT N.Y.	AL -MA
7415.0	1755	50-425R			TASS	USSR	EE NX	RMA-FR
7487.0	0215	50-250N	STK	KHARTOUM	AERO	SUDN	RYS	RMA-IA
7667.7	0254	50-170N	MKD	AKROTIRI	RAF	CYPR	FOXES	JAK-WV
8115.0	2320	50N	LON	PT. INDIO	NAVRA	ARGN	CLG LOK	AM -UK
8117.0	0530	50-425N		LUSAKA	ZAMB	RYS/FOXES/NOW IS THE..	MC -AZ	
8135.0	1700	50R	SDI 213	BERGAW	PAP	POL	LIST IN 'GUIDE' AS CW	RMA-FR
8135.0	2224	50-850N	EIP	SHANNON	AERO	EIRE	RYS	BLA-PA
8154.0	2219	50-350R	MKD	AKROTIRI	RAF	CYPR	FOXES	JAK-WV
8162.6	2344	50-450R	5YD	NAIROBI	AERO	KEN	RYS DE 5YD	JAK-WV
8164.6	2323	5YD		NAIROBI	AERO	KEN	RYS	AJN-NY
8165.0	0211	50-425	5YD	NAIROBI	AERO	KEN	RYS	AL -MA
8165.0	2242	50-400R	5YD	NAIROBI	AERO	KEN	METED FOR NAIROBI	JAK-WV
8165.0	0200	50-425N	5YD 7	NAIROBI	AERO	KEN	RYS	RMA-IA
8707.2	1704	FEC	L...	ROGGLAND	MARCO	NDR	TFC	RMA-FR
8710.2		ARQ	SVC	ATHENS	MARCO	GREE	TO VESSEL MT CEPHEUS	RMA-FR
8711.0	1352	ARQ	WLD	MOBILE	MARCO	USA	SPORTS, STOCKS, TEMPS	RMA-IA
8714.2	1820	FEC	ZSD	URBAN	MARCO	SOAF	TFC LIST	RMA-FR
8715.0	2300	ARQ	WCC	CHATHAM	MARCO	USA	Q5J 7.02	RMA-FR
8721.6		ARQ	GKE	PORTSHEAD	MARCO	ENG	TFC	RMA-FR
9052.8	1535	50-425N	ISF 90	ROME	ANSA	ITLY	EE NEWS	JEB-CA
9062.0	1540	50-425N	Y7A 36	BERLIN	MFA	GDR	RYS	JEB-CA
9134.0	0215	50-850	D4B	PEDRA LUME	AERO	CAPE	RYS	AJN-NY
9252.7	0058	75-850N	ZRH	CAPETOWN	NAVRA	SOAF	FOXES, CLG MNM, MSGS	JAK-WV
10100.0	0050	50N	RUZU	MOLDOZHNYAYA	SAAM	USSR	RUSSIAN WX	AM -UK
10112.5	1300	50-425N	FJY 2	P.-AUX-FRAN	METED	KERM	RYS/LE BRICK TO VLV	RM -IL
10125.0	1530	50-425N	OLG 3	PRAGUE	PTT	CZEC	TFC TO TIRANA	RM -IL
10295.2	1620	ARQ	EEG 10	MADRID	INTRPL	SPAN	TFC TO FSB 71	RMA-FR
10298.5	1402	50-170N	HSW 62	BANGKOK	METED	THAI	CODED METED	RM -IL
10390.0	2330	ARQ	HKVD	BOGOTA	INTRPL	COLD	MSG TO PARIS	AM -UK
10407.3	2251	50-425	6VU	DAKAR	ASECNA	SENE	RYS	AJN-NY
10455.2	1900	50N		TIRANA	ATA	ALB	PROB CALL IS ZAY	RMA-FR
10470.4	0935	50-425N	BLM 23	CHENGDU	METED	PRC	MSG FOR MENGING	FBH-FL
10536.0	2040	75-850R	CFH	HALIFAX	CANMIL	CAN	METED	BLA-PA
10645.3	1040	50-100N	HSD 87	BANGKOK	AERO	THAI	MSG TO DACCA IN EE	FBH-FL
10700.0	0647	45-850N	NAU	SAN JUAN	NAVRA	PR	RYS,SGS, NOW IS THE...	AL -MA
10711.7	0025	50-425R	FDV	DRELEANS	NAVRA	FRAN	RYS/BRICKS	FBH-FL
10785.0	2045	50-425N	YVJ 43	BERLIN	ADN	GDR	SS NEWS	BLA-PA
10815.0	1520	50-425N	IRH 58	ROME	ANSA	ITLY	'THIRD NEWSCAST' IN EE	FBH-FL
10847.0	2330	50N	NSD	MCURD STN	USN	ANTA	TEST & WX	AM -UK
11017.0	1541	50-850R	RPFN	MONSANTO	NAVRA	PORT	RYS/FOXES	RM -IL
11025.4	2156	50-400N	925	KINSASHA	AERO	ZIRE	RYS	JAK-WV
11035.2	1530	50R	UKS	BARENTSBURG	SAAAMC	NDR	TFC TO MOSCOW	RMA-FR
11145.0	1200	50N	RPTMB	P. DELGADA	NAVRA	AZOR	CLG RPFN LISBON	AM -UK
11155.0	1740	50-850R	GYU	GIBRALTER	NAVRA	GIBR	FOXES TO MUH 1	RM -IL
11494.0	1130	50R	SOL 249	MARSAW	PAP	POL	EE NEWS	RMA-FR
11502.0	1430	50-425R	LZH 4	SOPHIA	BTA	BUL	FREQ LIST	RMA-IA
11634.5	1443	75-850R	KRH 51	LONDON	EMBASY	ENG	FOXES	JAK-WV
11660.0	0030	50R	C-N60	PUNTA ARENAS	NAVRA	CHIL	CG, LOCATION, WX	AM -UK
12128.0	1625	50-350N	IRJ 31	ROME	ANSA	ITLY	FF NEWS. GRM DE CKN	JEB-CA
12212.5	1520	50-850R	YZO 7	BELGRADE	TANJUG	YUGO	EE NEWS	JEB-CA
12320.0	1958	75-425N	SYM	BOGOTA	NAVRA	COLD	RYS, 'CINTA DE FRUEBA'	JAK-WV
12818.0	1841	ARQ	SAB 63	GOTEBORG	MARCO	SWED	WKG SAJK	PM -IL

12840.0	2110	75-850R	PBC 312	BOEREE ISLE	NAVRAD	HOLL RYS	RM -IL
13520.0	1550	ARG	4NX	BELGRADE	INTRPL	YUGO MSG TO WEISBADEN	AM -UK
13576.5	1135	ARG	HRD 44	STOCKHOLM	EMBASY	SWED SWIS EMB. TO BERNE	AM -UK
13597.5	1628	50-425N	DLI 2	FRAGUE	CETEKA	CZEC RYS, EE NX AT 1630	JEB-CA
13785.0	1530	50R	SON 278	WARSAN	CTK	EE PAP ANNC NXT TRNMN	RMA-FR
13844.0	1630	75-850N	KRH 51	LONDON	EMBASY	ENG FOXES	JEB-CA
13882.3	1925	50-600R	CLP	HAYANA	MINREX	CUBA CODED TFC, SS TFC	JAK-WV
14079.3	2224	45-170N	N6VS	SAN FRANCISCO	GRNPCE	USA QRA. GREENPEACE STN	RMA-IA
14358.5	1115	75N		ATHENS	EMBASY	GREE CZEC EMB. 5D TO PRAGUE	AM -UK
14373.0	1500	50-170R	YIL 73	BAGHDAD	INA	IRAQ PFCR COPY, ENUF FOR ID	RMA-IA
14497.3	1735	50-850	MCA 326	BERLIN	MFA	GDR RYS	JAK-WV
14616.4	1933	50-425R	Y7A 53	BERLIN	MFA	GDR QRA 5640 Y7A73	FW -FL
14619.0	1703	50-425N	Y7A 73	OTTAWA	EMBASY	CAN CZEC EMB. TO PRAHA	FBH-FL
14640.5	1455	75-850R	CYS 22	BRAZZAVILLE	ASECNA	CONG RYS	AM -UK
14722.0	1610	50R	TNL	NEW YORK	ITT	USA FOXES	FBH-FL
14875.0	1810	50-850	WFE 34	BELGRADE	YUGO	RY TO EMBASSIES	RM -IL
14912.2	1435	75-425N	DFZG	OTTAWA	EMBASY	CAN POL EMB. DIPLO MSGS	RM -IL
14928.0	1245	50-170N	CYS 22	ISLAMABAD	EMBASY	PAKI SWED EMB. TO STOCKHOLM	AM -UK
14980.0	0800	75R	SAM 60	BUDAPEST	MTI	HUNG SS SPORTS NEWS	FBH-FL
15670.1	1612	50-425N	HGM 36	MOSCOW	PTT	USSR CLG TEL AVIV	RMA-IA
15690.1	1445	50-425N	RWN 75	BELGRADE	TANJUG	YUGO	AM -UK
15705.0	1540	50-525R	Y7J 6	HARBEL	LIBR	MSG TO AKRON	JAK-WV
15940.0	1620	ARG	ELE 25	PARIS	PRESS	FRAN AFP NEWS IN FF	CEK-WV
15976.1	1659	50-350R	FPP 97F	CAPETOWN	NAVRAD	SOAF TEST TAPE TO NAU	PAC-UK
16015.0	1835	50-450	ZRH	BEIJING	XINHUA	PRC GRA MARKER	JAK-WV
16136.0	1056	50-425	BZR 66	NAVRAD	PANA	SS UNCLAS MSGS	JAK-WV
16191.5	1536	75-850N	NBA	PTP	USA	FOXES FROM ITT NY	RMA-FR
16210.0	1539	50-840R	WFD 76	KHARTOUM	AERO	SUDN RYS TO KHARTOUM AERO	JEB-CA
16242.4	0930	50R	STK	MOSCOW	TASS	USSR EE NEWS	RMA-FR
16259.0	1640	50-425N	RWN 75	BERLIN	EMBASY	ITLY PR EMB. 5LTR GRPS	RM -IL
16344.5	0840	ARG		QUITO	PRESS	GDR FF NEWS	RMA-IA
16400.7	1549	50-425R	Y2V 57	PORTSHEAD	NAVRAD	ECUA DE MARKER	FW -FL
16702.0	2206	75-850N	HDN	CHICAGO	USCB	USA YUGO EMB.	RMA-FR
17113.0	1615		GKB 4	PRETORIA	METED	SOAF PLAIN TEXT METED	FW -FL
17139.0	1407	75-850R	72JKL	LONDON	EMBASY	ENG FOXES	AM -UK
17427.5	1450	ARG	OFA	LUANDA	EMBASY	ANGO SWED EMB. TO STOCKHOLM	AM -UK
18047.0	1611	75-425N	KVC 21	ADDIS ABABA	EMBASY	ETH SWED EMB. TO STOCKHOLM	RMA-FR
18197.0	1609	75-170R	NMM	DEIRUT	EMBASY	LEB SWED EMB. TO STOCKHOLM	AM -UK
18242.0	1430	75N	ZRO 4	BAIRUCUS	EMBASY	SYRA YUGO EMB. TO BELGRADE	AM -UK
18663.0	1632	75-850N	KRH 51	NAIROBI	UNEP	KEN EE TFC	RMA-FR
18685.0	0805	75R	SAM 74	NAIROBI	INTRPL	KEN TO FSB 63 PARIS	RMA-IA
18688.0	1240	75R	SAM 70	P. BELGRAD	NAVRAD	ARGN BULLETINS	JAK-WV
18807.0	1300	75R	SAM 47	CAIRO	EMBASY	EGPT CZEC EMB. TO PRAGUE	AM -UK
18972.0	1025	75N					
19280.1	1115	75N	AUV				
19405.2	0900	ARG	5YG				
19438.0	1600	50-170N	LOR				
20088.6	1067	50-450N	HZW				
20787.0	1130	75R	2C 6				

*** SHIPS ***

FREQ	M	TIME	CALL	NAME	TRAFFIC	CONTRB
454.0	C	0433	KMLD	SS OGDEN LEADER	WKG WLO	FWB-NJ
454.0	C	0436	SXJC	M/V RANIA	TFC TO WCC	FWB-NJ
480.0	C	0242	KMMF	SS ST. LOUIS	TFC TO WSC	FWB-NJ
480.0	C	0311	TUNE	M/S AGROVILLE	AMVR TO NMF	FWB-NJ
500.0	C	0230	9VRK		CLB WIDON RPT TO VAU	NRC-MA
2142.0	U	0208	ELEZ	YANKEE CLIPPER	WKG USCBG DURABLE	RM -IL
2182.0	U	0244		USCGC DEFENDABLE	WKG YARMOUTH	JFH-MA
2182.0	U	1830	WVC 4903	F/V ELIZABETH VICTORIA	WKG NMF	BLA-PA
2670.0	U	2210		USCGC Bittersweet	WKG USCG BOSTON	JFH-MA
2670.0	U	2120	NMDN	USCG LIGHTSHIP NANTUCKET	WKG WOODS HOLE	JFH-MA
2670.0	U	2307	NRDD	USCGC DUANE	WKG NMB 3	JFH-MA
2670.0	U	0332	NRPJ	USCGC PAWPAW	WKG PORTSMOUTH	JFH-MA
2670.0	U	2331	WZR 8532	R/V CALANUS	WKG LITTLE CREEK	JCH-MD
2716.0	U	1935		USS SAGINAW	WKG NORFOLK	JCH-MD
2716.0	U	2101		USS BRISCO	WKG SAN DIEGO	MWJ-ID
4066.0	U	0015		USS KINAWA	P/P VIA CSS-1	MC -AZ
4066.1	U	0226		USS CURTIS	WKG NMA	AL -MA
4134.0	U	0338	NIKL	USCGC TAMPA	WKG NNN	AL -MA
4134.0	U	1941	NODV	USCGC SPAR	WKG NMG	AL -MA
4134.0	U	0316	NYCG	USCGC BOUTWELL	WKG NMO	AL -MA
4134.0	U	1209	WTDK	NOAA DAVID STARR JORDAN	WKG NMD	JFH-MA
4134.0	U	209	WTDK	USCGC DAVID STARR JORDAN	WKG NNN	DS -OH
4134.3	U	2340	NODV	USCGC SPAR	WKG NMA	JFH-MA
4134.3	U	0024	WRBL	TANKER VALLEY FORGE	WKG NMA	JFH-MA
4134.3	U	0029	WTEB	NOAA CHAPMAN	WKG P/P THRU NMC	JFH-MA
4134.5	U	0430	NDIT	USCGC MELLOW	WKG MIAMI COMMSTA	JFH-MA
4134.5	U	0434	NIKL	USCGC TAMPA	TFC TO KLC	FWB-NJ
4195.0	U	0204	3FDI 2	M/V ANASTAGIA 2	TFC TO YSM	FWB-NJ
4199.0	C	0029	YSME	M/S B. HAUPTMANN	TFC TO KLC	FWB-NJ
4199.0	C	0142	LLRD	HOEGH HOOD	TFC TO VCS	FWB-NJ
4199.5	C	0053	7KDP	ALASKA REX	TFC TO WCC	FWB-NJ
4207.0	C	0136	JLXX	NHOON COMMANDER	OBS TO 6KC	FWB-NJ
4209.0	C	0148	SQBK	M/S SIEKIERKI	TFC TO WNU	FWB-NJ
4210.0	C	0440	DSUA	MENHIR	TFC TO FFL	FWB-NJ
4210.0	C	101	UICM	M/T ULYANOVSK	WKG CUTTER MESQUITE	JFH-MA
4400.8	U	0440	NJOR	USCGC CUTTER GALLATIN	WKG CUTTER MESQUITE	KCN-VA
4400.8	U	0400	NPCR	USCGC DALLAS	WKG NCF Miami	KFN-FL
5320.0	U	1810	NLIE	USCGC CAPE CURRENT	WKG CG 2119	SR -MI
5696.0	U	1600		USCGC VIRDROUS	WKG NNN	JFH-MA
5696.0	U	2340	NNGR	USCGC CUTTER TAMAROA	WKG CG 2119	AL -MA
5696.0	U	1619	NQSP	USCGC VIRDROUS	WKG NMA	JDW-MN
5696.0	U	0419	NRDW	USCGC SWEETGUM	WKG NMF	AL -MA
5696.0	U	1222	NZVE	USCGC ALERT		

6200.0	U	1218	NBTM	USCGC POLAR STAR	WKG NMC	AL -MA
6200.0	U	0905	NBY6	USCGC UNIMAK	CLG PORTSMOUTH	RSR-CN
6200.0	U	0252	NJPJ	USCGC RELIANCE	WKG NEW ORLEANS	JFH-MA
6200.0	U	0020	NRUD	USCGC CUTTER POLAR SEA	WKG NMN	JFH-MA
6200.0	U	1319	WMVF	NOAA ALBATROSS IV	WKG NMN	AL -MA
6200.0	U	2011	WMVF	NOAA ALBATROSS II	WKG PORTSMOUTH	ES -MA
6246.0	R	0028	WTEJ	NOAA MACARTHUR	WKG NMC	JFH-MA
6246.0	R	0238	ULVH	K WERNADSKIJ	WKG NMN	RMA-IA
6248.0	R	0223	UIWH	BMRT 0267	URYB DE UIWH	RMA-IA
6284.0	C	0016	SLGK	UNIVERSE	TFC TO WCC	FWB-NJ
6284.0	C	0212	LIWH	HIDLERJORD 1	TFC TO LFU	FWB-NJ
6285.0	C	0218	OX7T	MIXTECO	TFC TO KPH	FWB-NJ
6296.0	C	0156	CSCG	CASSINGA	DBS TO VA1	FWB-NJ
6296.0	C	0104	DUKX	GENERAL MASCARDO	TFC TO LFAI	FWB-NJ
6296.0	R	0215	UWGB	TH PLESCECK	TFC TO KFS	RMA-IA
6303.0	C	0446	H2VV	M/V STAHALL	TFC TO KLB.	FWB-NJ
6303.0	C	0212	H9SW	OCEAN TRADER	WKG NMA	AL -MA
6518.0	U	0530	NRPW	USCGC MESQUITE	WKG NMA MIAMI	JFH-MA
6518.8	U	0423	LDMI	M/V FERMITA	WKG BOSTON RESCUE	NAP-AL
6518.8	U	0123	NZVE	USCGC ALERT	WKG NMN	AL -MA
8241.0	U	0038	NRWY	USCGC MORROW BAY	WKG NMN	JFH-MA
8241.5	U	0019	WRZ 3322	CAPE FLORENCE	WKG NMN	JFH-MA
8241.5	U	0025	WSY 2261	GERONIMO	WKG NMN	JFH-MA
8298.0	U	2325	UYDM	TH FTIZIK KURCHATOV	TFC TO ODESSA	JEB-CA
8354.6	C	0208	PFJL	DANIELA	CLG OX2	MC -AZ
8384.0	R	0431	STLC	STENA CONSTRUCTOR	TFC TO SAG 4	FWB-NJ
8388.0	C	0056	SLIC 5	M/T PRODICOS	TFC TO KLC	FWB-NJ
8394.0	C	0429	UTBX	M/V MABROUK	TFC TO IAR	FWB-NJ
8403.0	C	0616	UVYB	M/V VLADIMIR TIMOFYSEV	TFC TO URD	FWB-NJ
8404.0	C	0415	URPI	M/V PROFESSOR KOSTIUKOV	TFC TO WLD	FWB-NJ
8718.9	U	2310	NHIC	USCGC CUTTER VALIANT	WKG P/P TFC THRU NMN	JFH-MA
8732.0	U	2018	WM 805	FAIR WIND	P/P VIA WOM	WRB-IN
8993.0	U	0305		USN NAVY 50500	WKG ASCENSION AERO	JS -OH
11176.0	U	1930		USS PRESERVER	WKG ALBROOK	JCH-MD
12435.4	U	1903		M/V AMERICANA	WKG FORT STEEL	JCH-MD
12494.5	R	0042	UEFZ	TH OREKHOV	TFC TO VLADIVOSTOK	JEB-CA
12500.5	R	0055	EWAE	TR KARL LIBKNAEKHT	TFC TO MURMANSK	JEB-CA
12502.0	R	0130	LYHD	BATM VLADIMIR KURASOV	WKG UJY	JEB-CA
12505.0	R	0100	EWZA	BMRT KARGAT		JEB-CA
12511.5	R	0030	UUDP	TH BYELORUSSIA	TFC TO ODESSA	JEB-CA
12516.5	R	0045	EVBA	PREOBRAZHENIE	TFC TO UMZ	JEB-CA
12520.5	R	0120	URBF	TK MINUSINSK	TFC TO MURMANSK	JEB-CA
12520.5	R	0100	UUPF	TH SANTYABO DE KUBA	RYST/TFC TO Leningrad	JEB-CA
12522.0	R	0050	UVTW	RTMS BORIS ALEKSEYEV	TFC TO KIEV	JEB-CA
12523.0	R	0140	UFMY	RTMS YAROSLAV LOSSELEANI	WKG URL	JEB-CA
12525.0	R	0125	UTUH	TH A. VERNISHEV	WKG URL	JEB-CA
12525.5	R	0125	UFMX	RTMS BROM	WKG URL	JEB-CA
12526.0	R	0108	UKBH	NIS KEGOSTROV		JEB-CA
12585.0	C	0000	PPWA	M/T MERITY	TFC TO PPO	FWB-NJ
12627.0	C	2259	7JYV	JINMU MARU	AMVER TO NMR	FWB-NJ
14455.0	U	2104	NA4XA	NASSAU BARGES	WKG NA4XR	JFH-MA
16661.0	R	2226	SXSM	AMARAS	WKG ZLW	RMA-IA
16695.0	R	0100	UPTQ	PB SUKHONA	TFC TO VLADIVOSTOK	JEB-CA
16756.0	C	1701	3FPW	MARITIME BARON	TFC TO GKD	FWB-NJ
16768.0	C	1753	ABXY	YATES TRADER	AMVER TO NMN	FWB-NJ
16776.0	C	1752	SVIM	M/V EUGENIE C	AMVER TO NMN	FWB-NJ
16776.5	C	1754	PPJP	LLOYD GENOVA	TFC TO PPO	FWB-NJ
16778.0	C	1724	JCBH	NICHIRIN MARU	TFC TO GKD	FWB-NJ
16786.0	C	2144	BLVH	HIGH PEAK	TFC TO KFS	FWB-NJ
16786.0	C	2150	DUEE	M/S LAKE SUWA	TFC TO JCU	FWB-NJ
16786.0	C	1721	J4EB	OLYMPIC HOPE	TFC TO FFL	FWB-NJ
16795.0	C	1933	QADU	M/V YACU WASI	TFC TO DBAA	FWB-NJ
16802.0	C	2114	HCDE	M/N RIO CHONE	TFC TO HCB	FWB-NJ
16812.0	C	1652	ELDV 6	M/V MERKUR DELTA	TFC TO WSC	FWB-NJ
16848.0	C	2044	PPFW	N/M TOTCANTINS	TFC TO PPL	FWB-NJ
22260.0	C	1633	IMGZ	LUIGI LAGRANGE	TFC TO IAR	FWB-NJ
62200.0	U	0525	NVUN	USCGC CAPE CORWIN	WKG NMO	JFH-MA

*** AERO ***

FREQ	M	TIME	CALL	IDENT	TRAFFIC	CONTRB
2962.0	U	0227	AIR FRANCE 217		WKG GANDER	JG -NY
2962.0	U	0222	ALITALIA 611		WKG GANDER	JG -NY
3123.0	U	2240	CS 1378		WKG TRAVERSE CITY	BLA-PA
3123.0	U	1419	CS 2131		WKG TRAVERSE CITY	SR -MI
3467.0	U	1157	CB 1704		WKG AUCLAND	MC -AZ
5026.0	U	0234	SPAR 60		WKG ANDREWS	BLA-PA
5558.0	U	0456	SPEEDBIRD 256		WKG SAN JUAN AERO	BFS-CA
5558.0	U		SPRINGBOK 203		WKG SANTA MARIA AERO	BFS-CA
5574.0	U	1301	QUANTAS 11		WKG SAN FRANCISCO	JDW-MN
5616.0	U	0321	TWA 806		WKG NY RADIO	FW -FL
5628.0	U	1628	CLIPPER 22		WKG HONOLULU AERO	BFS-CA
5628.0	U	1629	THAI 740		WKG HONOLULU AERO	BFS-CA
5634.0	U	0240	SPRINGBOK 295		CLG ANTANANARIVO AERO	RM -IL
5643.0	U	1309	CS 1414		WKG HONOLULU AERO	MC -AZ
5643.0	U	1323	CONTINENTAL 001		WKG HONOLULU	JDW-MN
5658.0	U	2328	AIR LINGUS 592		WKG BOMBAY	JCH-MD
5692.0	U	0120	CG 1463		WKG CG 1489	SR -MI
5692.0	U	1206	CG HELD 1407		WKG CGAS BROOKLYN	SR -MI
5692.0	U	1906	CG HELD 1455		WKG DETROIT	SR -MI
5696.0	U	0127	AIR FORCE RESCUE 224		WKG SAN FRANCISCO AIR	BLA-PA
5696.0	U	1632	CG HELD 1483		WKG PORTSMOUTH	JG -NY
5696.0	U	0346	CG 1431		CLG SAN DIEGO AIR	FJB-NJ
5696.0	U	1432	CG 1447		WKG NMA	JDW-MN
5696.0	U	2223	CG 1489		WKG NMA	KFN-FL
5696.0	U	1630	CG 1495		WKG BOSTON	JG -NY

5696.0 U 0305 CG 1503
 5696.0 U 1430 CG 1700
 5696.0 U 1247 CG 2112
 5696.0 U 1435 CG 2131
 5696.0 U 2220 CG HELD 1391
 5696.0 U 0125 MAC 458
 5696.0 U 0505 RESCUE 2140
 5696.0 U 2158 SHARK 40
 6577.0 U 1505 CLIPPER 218
 6673.0 U 0015 SPRINGBOK 262
 6812.0 U 1543 SAM 27000
 6830.0 L 1855 SAM 86972
 8855.0 U 0237 AEROFLOT 1525
 8864.0 U 1510 SPEEDBIRD 357
 8867.0 U 0532 CG 1704
 8867.0 U 0555 MILITARY 541
 8891.0 U 1440 LUFTHANSA 659
 8918.0 U 1545 LOCKHEED 31061
 8921.0 U 0440 SPEEDBIRD 2256
 8963.0 U 0621 NIGERIA 580
 8984.0 U 1530 CG RESCUE 2125
 8993.0 U 2050 SAM 501
 8993.0 U 1418 TEAL 29
 8997.0 U 0550 XRAY DELTA 04
 9007.0 L 0337 SAM 24129
 10075.0 U 1500 ASCOT 5739
 11182.0 U 1755 CENTURY 62
 11182.0 U 2315 SAM 12490
 11214.0 U 1940 CENTURY 64
 11246.0 U 1539 AIR FORCE 211
 11249.0 L 0328 AIR FORCE 2
 17910.0 U 1835 PACIFIC WESTERN 947

TFC
 WKG NMA
 WKG CG 1373
 WKG TRAVERSE CITY AIR
 WKG 'PAPA CHARLIE'
 WKG CG SAN FRANCISCO
 WKG BORINGUEN AIR
 WKG SHARK BASE
 WKG NEW YORK
 WKG DAKAR
 PILOT CHANGE, BECAME AF1
 WKG ANDREWS
 CLB PARAMARIBO
 WKG GANDER
 WKG TAHITI AERO
 WKG NANDI
 WKG GANDER
 WKG NEW YORK
 WKG SPEEDBIRD LONDON
 WKG NIGERIA 109
 WKG SAN FRANCISCO
 CLB SAM COMMAND
 P/P OPS VIA MACDILL
 YL ONBOARD AT MCMURDO
 WKG ANDREWS
 WKG HOUSTON LDOC
 P/P RAYMOND 24 VIA SCOTT
 WKG SCOTT AFB
 WKG RAYMOND 24
 WKG MACDILL
 WKG ANDREWS
 WKG RAINBOW RADIO

JFH-MA
 JDN-MN
 BCN-VA
 JDW-MN
 SR -MI
 SR -MI
 JFH-MA
 BLA-PA
 JDW-MN
 JCH-MD
 RM -IL
 BLA-PA
 RR -MS
 JDW-MN
 JCH-MD
 JDW-MN
 JCH-MD
 MC -AZ
 JDW-MN
 WRB-IN
 JDW-MN
 MC -AZ
 BLA-PA
 RM -IL
 JCH-MD
 DS -OH
 JCH-MD
 JDW-MN
 BLA-PA
 RM -IL

*** TACTICAL ***

FREQ M TIME CALL
 2670.0 U 2300 NAVAL RETRIEVER 681
 2808.5 U 0700 SLINGSHOT
 3130.0 U 0715 INDIA 1 ZULU
 3130.0 U 0452 OSCAR 8 VICTOR
 3130.0 U 0138 ROMEO 5 LIMA
 4400.8 U 0010 CHEVRON 8
 4416.0 U 0317 OSCAR 7 NOVEMBER
 4426.5 U 0524 SIERRA 8 FOXTROT
 4428.7 U 0307 UNIFORM 3 ECHO
 4750.0 U 0125 PLATOON CHARLIE
 4765.0 A 0405 SPYNE ALPHA
 5320.0 U 2246 COGARD 1
 5320.0 U 0002 XRAY 2 TANGO
 5680.0 U 1921 CLICK 7
 6714.0 U 1648 BIG DADDY
 6720.0 U 1022 CHARLIE 6 NOVEMBER
 6720.0 U 0953 TANGO 8 VICTOR
 6720.0 U 1607 ZULU 9 HOTEL
 6738.0 U 0002 ARCHITECT
 6761.0 U 0523 ANKLEBONE
 6761.0 U 1552 BUTLER 31
 6767.0 U 1415 AAW 30
 6780.0 L 0053 ACROBAT
 8101.0 U 0054 STARNISH
 8245.0 U 1810 SHARK 624
 8912.0 U 1800 SLINGSHOT
 8972.0 U 1440 & XRAY 6DLF
 8989.0 U 1414 SIERRA 4 KILD
 8993.0 U 2231 RED HAWK MOBILE
 8993.0 U 2308 SAN JOSE CCT
 8993.0 U 1607 WATERBUCK 736
 8997.0 U 1328 SICK LEAVE
 9020.0 U 1610 POSTULATE
 9028.0 U 0415 2 HOTEL 1 VICTOR ROMEO
 10062.0 R 1245 BEC CUATRO ROMEO
 10081.0 U 1100 SIERRA DDS BRAVO
 11076.0 U 2016 ATLAS
 11100.0 U 1840 AUDIO CADET
 11176.0 U 1732 BROCA 20
 11176.0 U 2010 DELTA HOTEL PAPA 4
 11176.0 U 1730 QUEBEC 2 ROMEO BRAVO
 11176.0 U 1749 QUEBEC 2 ROMEO BRAVO
 11182.0 U 1541 GUARD 498
 11182.0 U 2250 ROMEO 40 CHARLY ECHO
 11182.0 U 1937 VICTOR 51
 11234.0 U 1752 ARCHITECT
 11246.0 U 1537 NATL 480
 13244.0 U 1409 ERIE 22
 14521.7 R 0908 HOTEL ROMEO ALPHA
 14686.0 U 1835 ATLAS
 14686.0 U 1955 ATLAS
 14686.0 U 2044 ATLAS
 14686.0 U 1945 CONDROR 200
 16097.0 U 1543 NORTH WAY
 16363.0 U 1625 RALEIGH
 18666.0 U 1750 ATLAS
 18666.0 U 1833 ATLAS

IDENT

TRAFFIC
 WKG CG MAYPORT FLA
 WKG OMAHA 52
 WKG KIL0 6 ZULU
 WKG TANG0 5 VICTOR
 CLB & WKG TANG0 8 TANG0
 WKG APACHEE
 CLB ECHO 0 BRAVO
 WKG UNIFORM 0 INDIA
 WKG ZULU 1 LIMA
 WKG PLATOON ALPHA
 CLB NUCLEUS ALPHA
 WKG COGARD INDIA
 WKG INDIA 2 HOTEL
 WKG CG 2108
 WKG KING 82
 CLB ANY STATION
 FLASH TRAFFIC
 WKG TANG0 8 VICTOR
 WKG VAR
 WKG 6060 31
 WKG IRON LUNG
 WKG AAW 20
 WKG OKLAHOMA
 WKG INDIRECT
 WKG SHARK 721
 WKG OMAHA 52
 WKG SIERRA 2 ECHO
 WKG MACDILL
 WKG ALBROOK
 WKG HOWARD. 8TH, ANYONE?
 WKG MACDILL
 WKG WHISKEY 3 DELTA
 WKG MACDILL
 RAF WEATHER BC
 TO CHARLIE TRES ALPHA
 SS CLB QUEBEC CUATRO ROME
 WKG FLINT 260
 FLASH TFC TO ALL STAS
 WKG ALBROOK
 WKG DIEGO TOWER
 TFC TO ALBROOK
 WKG MIAMI
 WKG SCOTT AFB
 WKG SCOTT AFB
 WX FOR WORTON COMMAND
 WKG NOVEMBER PAPA 500
 WKG MACDILL
 WKG LAJES AFB
 TFC
 WKG OMAHA 14
 WKG 51 YANKEE
 WKG FLINT 283
 WKG ATLAS
 R/C WITH NORTH WAY ALPHA
 WKG BLANTFORD
 WKG FLINT 451
 WKG PANTHER

CONTRB
 JHF-MA
 KFN-FL
 KFN-FL
 WF -FL
 RT -FL
 JFH-MA
 WMO-ID
 DS -OH
 JHF-MA
 RM -IL
 RM -IL
 JFH-MA
 JFH-MA
 JCH-MD
 GR -IL
 DRU-HI
 DRU-HI
 DRU-HI
 JCH-MD
 KFN-FL
 JDW-MN
 RM -IL
 MC -AZ
 GR -IL
 KFN-FL
 KFN-FL
 JDW-MN
 JDW-MN
 DS -OH
 GR -IL
 MC -AZ
 DS -OH
 RM -IL
 RM -IL
 BLA-PA
 RM -IL
 GR -IL
 JCH-MD
 JDW-MN
 GR -IL
 JDW-MN
 WRB-IN
 JCH-MD
 JDW-MN
 DS -OH
 RMA-FR
 KFN-FL
 BLA-PA
 BLA-PA
 BLA-PA
 RM -IL
 DS -OH
 KFN-FL
 BLA-PA

RAF

*** NUMBERS ***

DATE	STRT-STOP	FREQ	M	LL/66	TRAFFIC	CONTRB
01/03/85	0240-0253	6282.0	C	/	5D, 76GRFS, SID 555, TAPED	FWB-NJ
02/05/85	1333-1335	14450.0	A	SS/YL	5D FINAL X 2 @ 1335	RM -IL
02/07/85	0124-----	6840.0	A	EE/YL	5D. 3/2, AMERICAN ACCENT	RR -MS
02/08/85	0529-----	3435.0	A	SS/YL	5D	RR -MS
02/08/85	0534-----	4479.0	A	SS/YL	5D. VERY DISTORTED	RR -MS
02/10/85	0400-0406	4825.0	A	SS/YL	5D, BAD CLICKING	JMS-OK
02/10/85	0710-----	5414.0	A	SS/YL	5D	JMS-OK
02/13/85	0300-----	6996.0	A	GG/YL	'N' RPTD, INTO 5D @ 0305	RR -MS
02/14/85	9220-----	5927.0	C	/	5L, DATED AUG 84 081315Z	RR -MS
02/15/85	2036-----	9112.0	C	/	5L USING ADGIMNRTU	RM -IL
02/16/85	1620-----	12161.0	C	/	5L MSG USING ADGIMNRTU	RM -IL
02/17/85	1547-1548	16414.0	U	GG/YL	5D, 'ENDUNG' @ 1548	RM -IL
02/17/85	1607-1617	18195.0	U	GG/YL	5D REPEA @ 1608	RM -IL
02/18/85	1609-1617	18195.0	U	GG/YL	5D, MAYBE SAME AS 02/17	RM -IL
02/19/85	0127-----	7526.7	C	/	5D	RR -MS
02/20/85	2108-----	12237.0	A	SS/YL	+40DB OVER S9 ON R70!	NRC-MA
02/22/85	0238-----	8215.0	C	/	5D USING ABENTU46	RR -MS
02/27/85	0231-0241	10445.0	U	SS/YL	5D, ATENCION, MUSHY AUDIO	TFS-NY
02/27/85	1909-1917	10177.0	U	GG/YL	5D. SID 333	RM -IL
03/01/85	0400-----	4070.0	A	SS/YL	5D, POOR MOD	FWB-NJ
03/04/85	0613-----	4028.0	A	SS/YL	5D	RR -MS
03/04/85	1130-----	5238.0	A	SS/YL	4D // 5812	RR -MS
03/07/85	0300-----	4670.0	A	SS/YL	4D. //6840 UNDER CARRIER	RR -MS

*** BEACONS ***

FREQ	M	TIME	CALL	CITY	TYPE	TRAFFIC	CONTRB
9057.6	C	2245	S		SLHFB	5-SEC INTERVALS	RM -IL
17015.0	C	1514	U		SLHFB	3-SEC INTERVALS	RM -IL

*** UNIDENTIFIED ***

FREQ	M	TIME	DATE	CALL	TRAFFIC	CONTRB
164.0	A	0507	02/11/85		FF MX. PROB ALLOUIS, FRAN	FW -FL
185.0	A	0518	02/11/85		GG/YL WESTERN MX. FRG?	FW -FL
3054.0	C	0412	02/27/85	XMK	WKG BF, CLG ZMB & GNF	FWB-NJ
3245.0	C	0440	02/27/85		VARIABLE LENGTH LTR CIPHR	FWB-NJ
3531.0	C	0517		KHCGB	NIEA DE KHCGB	FW -FL
4115.0	F	0408	03/01/85		FM XMSN, 2 STNS IN JJ	FWB-NJ
4265.0	C	0250	02/19/85		'000N 000K OUT' RPTD	RM -IL
4607.0	C	0205	02/19/85	78KLP	CLG 72HVY	RM -IL
4607.0	C	0514	02/07/85	78KLP	CLG 72HVY	RR -MS
4782.0	C	0425	02/20/85		VA RPTD, SIX 5L GROUPS	BJ -TX
5287.0	R	0425	02/14/85	FBSK	50-425R, RYS	RM -IL
5565.0	C	0156	02/14/85	J3R	V MARKER	RM -IL
5597.5	R	0133	02/14/85	HYAED 1	50-425R, RYS	RM -IL
6103.0	C	0048	02/18/85	VK30 (?)	'DE V K30 VVVV VVVV VVVV'	RR -MS
6377.7	C	0257	02/27/85	72JKL	RYS & SGS TO 78AL (CW?)	NRC-MA
8462.6	R	0206	02.18.85	72JKL	GSX, RYS/SGS	JAK-WV
8820.0	R	0420	02/20/85		'OKOK ESO ES TODD DIME..'	RMA-IA
9083.0	R	2255	02/15/85	X2P	SS MIL MSGS TO V5F & MIL	RM -IL
10125.0	U	1750	02/20/85	C I O 2	CHARLIE INDIA OSCAR 2 RPT	RM -IL
10148.7	U	1948	02/21/85		FF TELCOM, THEN 1 PIP/SEC	RM -IL
10175.0	U	1625	02/27/85		18-NOTE MUSIC MARKER	RM -IL
10540.0	C	2202	02/20/85	D3M 74	CQ MARKER, CLG USO	RM -IL
11243.5	U	2103	03/02/85	INDUCTOR	WKG CHASSIS 52	AJN-NY
15738.0	C	2133		3MHV	TESTING WITH ID, TFC AYA	GLB-FL
16283.0	C	2315	02/09/85	CH	CLG WH	FWB-NJ
16782.0	C	2046	/ / /	X7	WKG AP2 IN EE	FWB-NJ
16786.0	C	2239	02/18/85	GL	WKG WR	FWB-NJ
16787.0	C	2239	02/18/85	BA	CLG NB	FWB-NJ
16787.0	C	2132	02/16/85	QN	WKG TL	FWB-NJ
16787.0	C	2324	02/09/85	WB	CLG BM & SF	FWB-NJ
16800.6	C	1735	01/28/85	C 35	CLG 9RLA	GLB-FL
17395.0	R	1647	02/21/85		5L MSGS, CW MSG 17395.4	RM -IL
17395.4	C	1645	02/21/85		CW IN AM CARRIER	RM -IL
18042.0	R	1456	02/19/85	DZFG	RYS, ENCRYPTION	RM -IL
18065.0	R	1516	02/19/85	ZWP	RYS	RM -IL
18072.5	C	1720	02/17/85	DL26G	CODED MSG TO DL8NXG	RM -IL
18072.5	C	1723	02/17/85	DL2MO	CODED MSG TO DL8NBD	RM -IL
18111.0	U	2000	02/17/85	KM2XDU	WKG KM2XDU, KM2XJM	RM -IL
18143.0	U	1631	02/15/85		PICCOLO	RM -IL
18280.0	C	1440	02/21/85		6D MSGS	RM -IL

*** VLF/LF/MH ***

CNTRY	FREQ	M	TIME	CALL	CITY	IDENT	TRAFFIC	CONTRB
	181.0	M	0410	HRM		NDB	ID	FWB-NJ
	350.0	C	0417	SWU		NDB	ID	MWJ-ID
	371.0	C	0416	SY		NDB	ID AND WX, TONES	MWJ-ID
BAHM	391.0	C	0552	ZBB	BIMINI	NDB	ID	GLT-NM
BAHM	396.0	C	0300	ZRB	SO. BIMINI	NDB	ID	RSR-ON
CAN	216.0	C	0812	YFA	FT. ALBANY	NDB	ID	RSR-ON
CAN	248.0	C	1118	UL	DORVAL	NDB	ID	RM -IL
CAN	260.0	C	0846	YAT	ATTAWAPISKAT	NDB	ID	RSR-ON
CAN	299.0	C	0955	T	PORT STANLEY	NDB	ID	RSR-ON
CAN	304.0	C	0537	R	OTTAWA	NDB	ID	FW -FL
CAN	316.0	C	0526	M	CAPE MAKKOVIK	NDB	ID	FW -FL
CAN	316.0	C	0530	M	CAPE MAKKOVIK	NDB	ID	RM -IL
CAN	332.0	C	0537	QT	THUNDER BAY	NDB	ID	RSR-ON
CAN	335.0	C	0716	YLD	CHAPLEAU	NDB	ID	RM -IL
CAN	340.0	C	0721	YY	RIMOUSKI	NDB	ID	RM -IL
CAN	350.0	C	0411	NY	ENDERRY	NDB	ID, TONE	MWJ-ID

CAN	378.0	C	0645	RJ	ROBERVAL	NDB	ID	RM -IL
CAN	394.0		0636	YB	NORTH BAY	NDB	ID	RM -IL
CAN	401.0	C	0615	YWN	WINISK	NDB	ID	RSR-ON
CAN	404.0		0629	ZR	SARVIA	NDB	ID	RM -IL
CAN	438.0	C	0230	CFH	HALIFAX	CANMIL	ID	RSR-ON
CAN	438.0		0119	CFH	HALIFAX	CANMIL	WEATHER	NRC-MA
CUBA	345.0	C	0604	CLQ	HAVANA	MARCO	CLQ QSX	FW -FL
JAM	362.0	C	0215	KIN	KINGSTON	NDB	ID	GLT-NM
MEX	368.0	C	0245	CUU	CHIHUAHUA	NDB	ID	GLT-NM
PR	390.0	M	0415	DDP	GUAYMAS	NDB	ID	GLT-NM
PR	391.0		0230	DDP	DORADO	NDB	ID	FWB-NJ
PR	391.0		0609	DDP	DORADO	NDB	ID	GLT-NM
PR	391.0		0414	DDP	DORADO	NDB	ID	RSR-ON
USA	186.0	C	0115	VP	SUFFERN	NDB	HOBBIYIST BEACON	QSL INFO FWB-NJ
USA	211.0		0419	HDB	GOODING	NDB	ID	MWJ-ID
USA	220.0		0418	HLE	HAILEY	NDB	ID	MWJ-ID
USA	257.0	C	0935	SQT	MELBOURNE	NDB	ID	RSR-ON
USA	276.0	C	0907	TWT	STRUBIS	NDB	ID	RSR-ON
USA	294.0	C	0916	J	JUPITER INLET	NDB	ID	RSR-ON
USA	296.0	C	0918	S	GALVESTON	NDB	ID	RSR-ON
USA	300.0	C	0515	C	MOBILE POINT	NDB	ID	RSR-ON
USA	304.0	C	0541	Z	CAPE CANAVERAL	NDB	ID, TONE	FW -FL
USA	306.0	C	1000	R	ST. JOHNS	NDB	ID	RSR-ON
USA	310.0	C	1004	H	EGMONT KEY	NDB	ID	RSR-ON
USA	313.0	C	0519	Z	CAPE CANAVERAL	NDB	ID	RSR-ON
USA	317.0	C	0423	CVP	HELENA	NDB	ID	MWJ-ID
USA	323.0	C	0534	UT	CALCASIEU, LA	NDB	ID	RSR-ON
USA	353.0	C	0220	CY	CHEYENNE	NDB	ID	GLT-NM
USA	354.0	C	1020	MKS	MONCKS CORNER	NDB	ID	RSR-ON
USA	374.0	C	0415	LW		NDB	ID	MWJ-ID
USA	385.0	C	1034	EMR	AUGUSTA	NDB	ID	RSR-ON
USA	411.0	C	0411	EMM	KEMMERER	NDB	ID	MWJ-ID
USA	415.0	C	1049	ASJ	AHOSKIE	NDB	ID	RSR-ON
USA	417.0	C	0435	HGT	COATS	NDB	ID	RSR-ON
USA	419.0	C	0501	UEW	LAWRENCEVILLE	NDB	ID	RSR-ON
USA	420.0	C	0450	OWC	DOUBLAS	NDB	ID	RSR-ON
USA	423.0	C	0445	SIF	REIDSVILLE	NDB	ID	RSR-ON
USA	438.0	C	0607	WLD	MOBILE	MARCO	FREQ LIST	FW -FL
USA	442.0	C	0235	WKM	NEW HAVEN	MARCO	BULLETIN	FWB-NJ

*** QSLs ***

CNTY CALL	DES/ID	NAME/LOCATION	QSL/TIME/POSTAGE	FREQ	CONTRB
DHVV	USCB	CS 1460	PFC 11D 1MS	5692.0	JFH-MA
JL 062		SHETLAND	LETTER 1RC RETURNED	8220.0	HH -MD
KEJP		JAPAN AIRLINES	LETTER 21RC	5643.0	HH -MD
KNBD	NOAA	SANTA PAULA	PPC 1MS	8291.1	HH -MD
NJOR	USCBC	DELAWARE II	PFC 70D 1MS	4134.3	JFH-MA
NDDH	USCBC	CUTTER GALLATIN	PFC 30D 1MS	2182.0	JFH-MA
NDDT	USCBC	CUTTER BITTERSWEET	PFC 9D 1MS	4134.5	JFH-MA
NRDE	USCBC	CUTTER SASSAFRAS	PFC 20D 1MS	4134.3	JFH-MA
NRGJ	USCBC	CAPE HIGDON	PFC 5D 1MS	2182.0	JFH-MA
NRXD	USCBC	POINT MARTIN	PFC 14D 1MS	2678.0	JFH-MA
AUST VHP	USCBC	EVERGREEN	PFC 1MS	2182.0	HH -MD
BARB BPO	NAVRAD	CANBERRA	PFC 1 LETTER 26D 11RC	12907.5	PAC-UK
BER VRT	MARCO	BRIDGESTOWN	PFC 1 LETTER 16D 21RC	8765.4	JFH-MA
CAN J	MARCO	HAMILTON	PFC 67D 21RC	12709.0	JFH-MA
CAN VFG	NDB	TORONTO	PPC 37C CANADIAN	236.0	HH -MD
DJIB J2AB	AERO	GANDER	PFC 14D 21RC	3485.0	JFH-MA
GUAM NRW	USCB	DJIBOUTI	CARD 34D 21RC	8682.0	JFH-MA
NZEL ZLO	USCB	APRA HARBOUR	PFC 20D 1MS	13113.2	JFH-MA
SA CH	NAVRAD	WAIOURU	PFC 37D 21RC	8598.4	JFH-MA
SOAF ZSC	NDB	CHARLESTON	PPC 1MS	329.0	HH -MD
SWIS HEB	MARCO	CAPETOWN	PFC 109D 21RC	8688.5	JFH-MA
USA AWE	MARCO	BERNE	PFC 19D 21RC	5249.0	JFH-MA
USA NMA 21	NDB	TAZEWELL	PPC 1MS	227.0	HH -MD
USA NMN	USCB	ST. PETERSBURG	PFC 9D 1MS	2670.0	JMK-MA
USA NOS	USCB	PORTSMOUTH	PFC 35D 1MS	5696.0	JFH-MA
USA WHH	USCB	OTIS AFB	LETTER 35SD 1MS	5696.0	JMK-MA
USA WNAL 75	MARCO	BALTIMORE	PFC 17D 1MS	8610.0	JFH-MA
USA WDE	TIS	BALTIMORE	PFC 8D	530.0	HH -MD
	MARCO	LANTANA	PPC 1MS. 10W STN ON I-70	8486.0	JFH-MA
			PFC 7D		

*** CONTRIBUTORS ***

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FERNANDO, ?		SHARP, DAVID	

I've had several requests for references for QSL address books. All I can recommend is the Klengenfuss Guide to Utility Stations. Can anyone offer an alternative? No room for anything else. Beware the Ides of April.....

(UP FRONT continued from page 2)

But he assured me that next month he should be on his feet and ready to pound out another Program Panorama. Here's the address:

Woody Seymour, Jr.
P.O. Box 848
Sanford, NC 27330

Woody also wondered if anyone has a copy of the most recent program sked from Radio Nederland in Hilversum. He hasn't seen one in some time, and would appreciate any help a SPEEDXer might give in lending him one, or at least a photocopy.

LATE NEWS FROM NEAL PERDUE

Neal Perdue, our Antennas & Accessories editor, advises that he is just now receiving word from SPEEDXers that the phone number he gave in an article last summer about SST Electronics in California (in regard to their T-1 tuner), has been reassigned to a private party for some time, and callers are being treated to a barrage of profanity. In view of this, Neal says that he feels that even the existence of SST is presently in doubt. He will follow up on this by mail, and if he gets a response, he'll inform us all in the pages of his column in the near future.

Also, Neal tells me that his Hartselle post office box is not big enough to handle all the hobby-related mail he's already been getting from his first column in February, so please revert back to the address listed on his masthead.

SPEEDX DEADLINES REVISITED

Loggings and other material that is to be routed through our Central Distribution Editor, Peggy Thompson, should arrive at her home by the 5th of the month. Direct contributions should arrive no later than the 12th of the month. Editors then must get their finished columns to me by the 22nd. And the mailing date each month is the 5th of the issue's dated month. Hope this clears up any questions you may have had about bulletin deadlines.

BOX 2041

Dear Tom,

Every so often, I receive a letter from a club member, who is elderly and has poor eyesight. I can certainly sympathize with that individual, since my own father has glaucoma. Anyway, for those members with impaired vision, the reading of our bulletin becomes more of a chore instead of a pleasure. To those writing in and needing advice, I have suggested using fluorescent highlighters, a magnifying glass, or fluorescent lighting. Some members have suggested listening to the SPEEDX Reports, but that isn't the solution, either, especially since each five minute report contains no more than 3% of total magazine content. Therefore, I was wondering whether you (or any other member) would have any additional ideas on helping members with impaired vision?

Also, a comment on MEDIUMwaveguide, if I may. I can't help but reiterate that the column is only intended to give a brief overview of the mediumwave scene. As the current allocation stands, MWG is to be no more than one page (about 60 loggings per column). And it does without saying, we have no intention to compete with any of the so-called "specialty clubs." We thought giving exposure to MW would provide SPEEDXers with an opportunity to add a few new countries to their lists (i.e. Cayman Islands, Jamaica, etc.) and perhaps introduce them to another facet of our interesting hobby.

73s.

David Sharp, Lutz, Florida

If you have any ideas on assisting the visually-impaired in using SPEEDX, please let myself or David know. Both of our addresses are on the back cover, and we would welcome your suggestions.

73s and the best to all!

CONTRIBUTORS LIST:

APRIL 1985

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TOTAL CONTRIBUTORS: 169

2	ADAMS, ROBERT	MA R2000	1	LADUCA, JOSEPH	NY
2	ADDISON, JOE	KR R600	2	LANGLOIS, HAROLD	GA
2	AINSWORTH, JANET	LA	1	LEITE, STEVE	MA IC-R71A
2	AKED, ROGER	FR 1650/2	1	LEWKOWICZ, ABE	MA DX302
1	ALEXANDER, BRIAN	PA FR67700	4	LORD, EARLE	CA FR67700
1	ALEXANDER, DUKE	TX	1	LOWE, DEREK	NC
1	ALEXANDER, R.M.	IA	1	MACGIBBON, BRUCE	OR R1000
4	ALLEN, MICHAEL	CA CR2021	4	MACRIE, VIRGINIA	NJ R2000
3	BAIR, MASON	CA IC-R70	1	MAHONEY, MICHAEL	FL SPR4
3	BEAVER, WILLIAM	IN FR67700	1	MALONE, STEVE	NJ
1	BELGHAUS, FRED	NJ ICF2001	1	MANDERSCHIED, MIKE	CA ICF2001
2	BERG-ANDERSON, RICHARD	NY	1	MANNING, SANDRA	TX FR67700
6	BERRI, JASON	CA RF2900	5	MARGOLIS, ROBERT	IL
1	BIGLEY, ARTIE	TX FR67700	9	MAY, RONALD	OH IC-R70
4	BINGHAM, FRANK	MA R7000	1	MENDEZ, LUIS	NJ R1000
7	BISHOP, FORREST	NY RF4800	4	MILLER, BILL	CA GE PORT
1	BLANCHETTE, MARION	FL R600	2	MILLER, GLENN	TN ICF2001
4	BLEDISOE, GARY	FL R2000	2	MIYAUCHI, SATOSHI	JP TS-430V
1	BODENHAGEN, FRED	FG	6	MOLL, SUSAN	MI FR67700
3	BOWDEN, RALPH	CA FR67700	1	MOORE, ALEX	UK R7
6	BREWER, DON	AR R1000	1	MOSER, ROBERT	IL
1	BRINDLEY, F.J.	NJ	1	MUNSTER, RALF	GA R7/DR7
2	BURBANK, WALTER	ME RF2600	3	MCCANTS, DON	AL RF2200
1	CADORETTE, NORMAN	MA IC-R70	3	MCKEON, THOMAS	IN R1000
1	CAHILL, MICHELE	CA	1	NACHT, ALAN	NY R2000
2	CAMPBELL, BILL	CT R2000	4	NEUVERTH, MICHAEL	CO DX400
3	CARD, PETER	RI NRD505	1	NEWELL, KEN	FL ICF2001
5	CARLSON, VIRGIL	WA	1	NOAK, RANDY	IN ICF6500W
3	CEREGHIN, JOHN	MD DX302	4	NOWICKI, MICHAEL	CA IC-R71A
1	CHABAK, MIKE	AZ	5	PALMER, BOB	WA IC-R71A
6	CHICKERELL, LARRY	WV DX400	1	PERDUE, NEAL	AL R4B
1	CLAYTOR, DAVE	MI R1000	1	PINNAU, ROGER	TX
3	CLAYTOR, DAVID	MI R1000	1	POKATILOFF, RONALD	IL
1	COLEMAN, ROBERT	MA	2	PRATH, JOHN	FL IC-R71A
1	CONWAY, PETER	UK 51J-4	2	QUAGLIERI, AL	NY SP600JX
3	COOPER, ERIC	CA ICF5900W	3	ROBINSON, BETSY	TN CR2021
4	D'ANGELO, RICHARD	PA NC190	4	ROCKER, RAYMOND	MS FT7576X
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1	DE CASSAN, FERDINAND	AU IC-R70	1	RUSSELL, GARY	IL
2	DEMITT, JOHN	PA HOMEBREW	1	RUTLEDGE, STEVE	MI IC-R71A
3	DENTON, STEVE	KY DX160	3	SABLE, THOMAS	NY TS-430S
3	DESROSIERS, ROBERT	MA IC-R70	2	SANDERSON, JACK	AZ R1000
5	DILLON, PETER	MD DX400	6	SCHEEL, MICHAEL	IA ICF2001
2	DOWNING, RON	CO IC-R70	5	SCHLICK, TOBY	WI ICF2002
2	DUNCAN, GREGORY	NC	1	SCHMAUTZ, SCOTT	NY
2	EDDIE, RICH	MO	2	SCHULSINGER, MICHAEL	OH FR67
3	ELSON, JEFF	MD	9	SHARP, DAVID	FL HQ129X
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2	FEMYER, MICHAEL	AZ R600	8	SOOMRE, ED	MA R2000
5	FORSBREN, RAY	WI FR67700	5	SPEER, RICHARD	CA RF2900
4	FRIBERG, JOHN	NH CR2021	1	STONE, GARY	WA IC-R70
8	GERSTNER, JOHN	NY DX1000	2	STUART, JERRY	OK FR67
1	GILLEY, RAYMOND	VA R2000	1	SYMINGTON, DARYLL	OH IC-R71A
1	GODDARD, PEG	UT	2	TAYLOR, LYLE	SD
2	GONZALES, FERNANDO	NY	2	THIM, WILLIAM	CT R1000
5	GOODMAN, JOEL	IA R390	7	THOMPSON, GLENN	NM IC-R71A
5	GRAY, J. SPEED	MI NRD515	5	THOMPSON, PEGGY	CA FR67
4	GROSVENOR, NORMAN	CA FR67	3	THUNBERG, BOB	PA R1000
2	GUNTER, JOHN	NC R1000	7	TROTTO, RON	FL CR2021
2	GURLEY, TED	TX R600	5	UNRUH, DONALD	HI FR67
5	HARDESTER, MIKE	CA R1000	3	VALENTINE, F.A.	CA IC-R70

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4 HEINEN, WAYNE	CO R390A	2 WALLENHORST, ROBERT	OH ICF6500W
2 HENALT, JOHN	MA RF3100	1 WALTERS, JOHN	NJ
8 HESCH, RUTH	NY R1000	1 WEBER, DONALD	OH
1 HETHERINGTON, FRED	FL	5 WEGNER, MICHAEL	TX IC-R70
1 HILLS, ALAN	BC	6 WEIKEL, FRANK	MI GE WLDMM
4 HOLBROOK, HANK	MD HQ129	3 WELCH, FRANK	MA ICF6800W
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1 KAESSINGER, ROBERT	FG	5 WITTE, MARJORIE	CA FRG7
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FOR SALE: Drake SPR-4 Communications Receiver with instruction manual, includes 2.0, 3.0, and 4.5 kHz tropical band crystals. Receiver in excellent condition. Will sell for \$350. Price includes UPS. Also, DX-160 with external speaker, excellent condition, \$60, UPS included. Bill Annis, 2367 Yeager Road, #102, West Lafayette, IN 47906. Phone (317) 463-3741 between 0430-0730 or 1400-1700 UTC.



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