

# SPEEDY



*The DX Radio Magazine for Active SWL's*

Volume XV

May 1985

Number 5



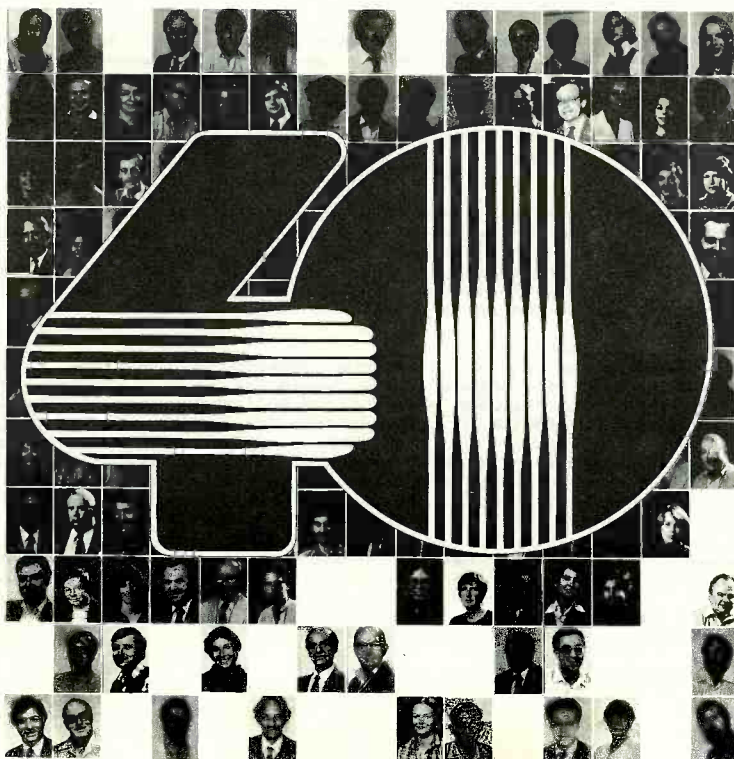
## Radio Canada International

In the dynamic field of international broadcasting it is with pride that Radio Canada International begins its fifth decade.

These are the people whose voices you hear every day on RCI's shortwave broadcasts, bringing you a Canadian perspective on events and trends, both national and international.

Partenaire dynamique de la diffusion internationale, Radio-Canada International est fier de s'engager dans sa cinquième décennie.

Voici les visages qui se cachent derrière les voix que les ondes courtes de RCI vous font entendre chaque jour pour vous exposer le point de vue du Canada sur les événements et l'évolution de l'actualité nationale et internationale.



# SPEEDX UP FRONT!

**EDITOR:**

Tom Kephart  
Post Office Box 2041  
Mount Pleasant, MI 48858-6041

**DEADLINE:**  
18th

- magazine highlights  
- board of directors news  
- members' comments  
- last-minute information

SPEEDX is published monthly by the Society to Preserve the Engrossing Enjoyment of DXing, Tucson, Arizona, U.S.A. Permission is granted to broadcast, publish, or reproduce any material contained in this magazine (excepting items which state that they appear by permission from other sources), provided credit is given to SPEEDX and the appropriate editor or column. SPEEDX is normally mailed to members on the 5th of the issue month.

*Your letters and other last-minute information to UP FRONT are welcome. The editor reserves the right to shorten long letters, but whenever possible, the entire letter will be printed. Please label the letter or information and the envelope with the words "UP FRONT." The opinions expressed by members in UP FRONT are those of the writer, and do not necessarily reflect those of the Board of Directors or staff of SPEEDX, or the editor.*

Hello SPEEDXers! The membership has again provided our editors with an avalanche of support for the columns, and we are pleased to bring you another 80 pages of the latest DX loggings, articles, and other information.

**SECOND CALL: BOARD OF DIRECTORS NOMINATIONS**

SPEEDX President John Trautschold reminds us that nominations for the upcoming BOD elections must be received by him no later than midnight of June 15. His address is on the back cover. All current Full Members are eligible to nominate and to be nominated, and we encourage you to get involved in the process.

John also notes that the Full Member List (April SPEEDX, p. 79) inadvertently omitted the names of several "Full Members for Life." These members were given lifetime Full Membership some years ago for their contributions to the club. They are:

BOB BUTTERFIELD  
BILL FLYNN

CLAYTON HOWARD  
PAUL MAYO

BILL SPARKS

Plus, remember that any names that appear as new Full Members in SPEEDX Spotlights in the April, May, and June issues are eligible to nominate or be nominated for the BOD election. And any new Full Members in the July, August, and September issues, while not in time for nominations, will be eligible to vote in the election. In short, get that Full Membership so you can participate!

**MAILING LABEL MIXUP**

Last month's mailing labels had some problems in the FM (Full Member) and Cr. (Credits) areas. Many people had a Full Membership date listed, although they had never gained Full Membership. This was due to a misinterpretation of the list John Trautschold sent me so I could add that information to the labels. I've had several positive responses toward the inclusion of that info, most saying that it helps them keep track of their progress toward Full Membership. I'm glad, that was the idea. Anyway, the problem has been straightened out, and your mailing label does in fact reflect your current membership status as well as your actual number of membership credits at this time. Remember that '9999' next to FM means you are an Associate Member, while if you have a date there, that's the month you became a Full Member (and the month from which you have twelve months to achieve another ten credits!). Einstein's Theory of Relativity will be explained next month, stay tuned, HI.

(UP FRONT continues on page 75)

# SPEEDX SPOTLIGHTS

**THESE SPECIAL DX'ers and SWL's**

**David Sharp, Editor**

**17602 Meadowbridge, Lutz, Florida 33549**

**Deadline: 12th of month**

Hey, everyone...welcome to Spotlights. This month, we take our hats off to six new Full Members:

MICHAEL ALLEN.....CA  
LARRY FAMA.....CA

RAY FORSGREN....WI  
RAYMOND GILLEY...VA

EDWARD KUSALIK....AB  
TOBY SCHLICK.....WI

Congrats to all of you. Because of your active participation in the club, you are now eligible to participate in BOD elections, plus have received a wonderful certificate to grace the wall of your shack. Enjoy!

\*\*\*\*\*  
38 new and rejoining members are now part of the SPEEDX family. We welcome:

Walter Tomczyk, Eatonton NJ  
William L. Mills, Quincy Pt. MA  
Howard Feiner, San Mateo CA  
Giorgio Romanin, Udine, ITALY  
William Batuk, Thunder Bay ON  
Bob Wilczek, Lockport IL  
Nandor Petrov, Winnipeg MAN  
James Smallwood, Maxwell AFB AL  
John H. Carver, Jr., Bringham IN  
Werner Hoffman, Santa Barbara CA  
Joseph C. Cirone, Secaucus NJ  
Steven Costin, Diamond Creek AUST'L  
Steve Wheaton, Gillette WY  
Herbert Gardiner, Honolulu HI  
Leonard Davidonis, Athol MA  
Russell Biggs, Tulsa OK  
John McDowell, Crestwood IL  
Shinichi Kosugida, Kitami-City JAPAN  
Thomas Eicher, Washington IA

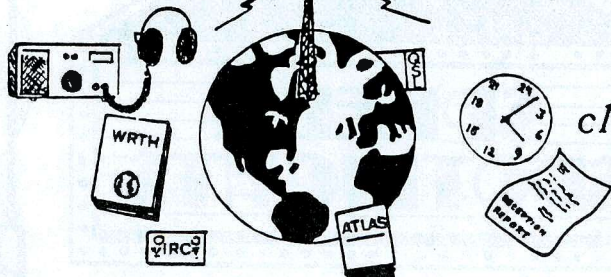
Lewis Cooke, Jr., Miami FL  
Diann Lehman, Worcester MA  
Chuck Fickle, Canoga Park, CA  
Steven Carroll, Victoria TX  
David Stevens, Millis MA  
Tony Usibelli, Berkeley CA  
Alexander Levien, McDowell VA  
Frank Jarratt, Wichita Falls TX  
Patrick Holan, Edmonton AB  
John Donohoe, W. Falmouth MA  
Murray Lund, Willowdale ON  
Ken Brookner, Fort Worth TX  
Thea M. Smith, Washington DC  
Keith Antoine, Pt.-of-Spain TRINIDAD  
Peter Conway, Hastings ENGLAND  
Rudolph Rehm, La Jolla CA  
Sandra Overkleeft, San Jose CA  
Rick Kenneally, New York NY  
Robert D. Hallock, Danville CA

\*\*\*\*\*  
Once again, welcome. Apart from the usual U.S.A. and Canadian members, five other countries, on four continents are represented. It just goes to show that our hobby, and indeed our club, is made up of fine folks in each corner of the globe. We hope you will begin contributing to the individual columns in the magazine and hopefully earn full membership, so that you'll be able to partake in the Board of Directors election. Anyway, thanks for joining, and we hope your stay with SPEEDX is pleasurable and fun!

DX Montage begins on the next page...

\*\*\*HOPE DX IS GOOD AT YOUR QTH.\*\*\*

# DX MONTAGE



club info  
contests  
humor  
fun

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

MAY, 1985

With the arrival of May comes warmer temperatures, and outdoor activities are given priority over DX'ing. For myself, I can think of many wonderful things to occupy the summer months, you know...raking and mowing grass; edging around sidewalks and hedges, etc. Keeping that in mind, I think I would rather stay inside and DX! Hi! Seriously, having just purchased a new R-600, I believe that's incentive enough to scan the bands. Enough of the chit-chat, let's get on to our special 2nd anniversary column!

\*\*\*\*\*

More News From "Perky" Peggy Thompson: Please remember when signing your contributions to SPEEDX to include at least your 1st initial and last name and state. Many of you just use your initials, which is O.K. if they are unique to you, but in a club our size it isn't often the case and the editors don't have time at deadline to do research through back issues 'till they match your initials to a name. Thanks for helping us! (Ed note: For our newer members...Peggy's deadline for contributions is the 5th of each month. You can send all loggings and contributions to Peggy, and she will forward them to the individual editors. Her address is located on the back of the magazine...ds.)

SPEEDX Ham Net Has Formed: In our efforts to help keep the membership informed, SPEEDX now has a ham net, which operates on Sundays (Monday UTC) on 7.260 MHz. Just about anything, from utilities to clandestines, is covered in the net, and a special SPEEDX QSL is even available for hams who join in or SWL's who monitor the net. However, due to financial restrictions, the cards are going to be somewhat of a prize. Rules for getting a QSL are as follows: Give the date, time and freq, along with the call of two of the participants of the net. A SINPO report of the two ham stations is a must as is at least two details of topics talked about. Please also include an SASE with your report. (Via Mike Nowicki-CA, organizer of the SPEEDX net. Welcome to the staff, Mike! ds.)

MARE to Hold Meeting in May: On Sunday, May 19th, from 2-5 PM EDT, the MI Area Radio Enthusiasts will be holding a meeting at the Dearborn Civic Cntr. Admission is \$1 for room rental costs. A business meeting, an antenna program, plus a slide show on the 83/84 ANARC conventions will be presented. Further details are available by sending a 22¢ stamp to: MARE, 24500 Union, Dearborn, MI 48124. (Txn to Don Hosmer-MI for this. ds.)

Fertile Air Space For Scanner Enthusiasts are the frequencies between 30 & 50 MHz. It is here that the "low band skip" enables listeners to get signals from thousands of miles away. In his book, "Low Band Skip Directory" Chuck Robertson has compiled a hard-to-find list of transmissions which have been heard and verified from the U.S., Canada, Mexico, the Caribbean and other areas of the world. They include military, forest products industries, int'l fixed public stations, CA Highway Patrol, Florida pirates and much more. At the end is an easy-to-use category and frequency cross-



reference. This book is available for \$5.95 (plus \$1.50 p&h) from: Grove Enterprises, P.O. Box 98, Brasstown, NC 28902 (Courtesy of Ruth Hesch-NY)

**Part Two: Shortwave Shootout;** The airwaves have become so crowded that 2 International conferences have been convened in recent years to try to work out a fair system. An engineering expert says the whole plan may collapse. "Short-wave radio these days is like being at a crowded party where one who shouts loudest gets heard," says Richard Measham, chief monitor for the BBC Monitoring Service.

The Soviets are the largest, broadcasting in 84 languages 2,174 hours a week at an estimated cost of \$750 million a year. That figure, contained in a 1982 CIA report to Congress on propaganda costs, includes clandestine stations the Soviets run. The U.S. is the second largest broadcaster, with 2,017 hours at a cost of just over \$250 million. The official government station is the VOA, a part of the U.S. Information Agency. It broadcasts worldwide 990 hours a week in 42 languages and is mandated to give an accurate picture of American life, wars and all. It was founded on Feb. 24, 1942, 79 days after Pearl Harbor, and its first broadcast promised it would give the news, both good and bad.

Radio Free Europe and Radio Liberty, now under the auspices of the Board of International Broadcasting, are younger than the Voice. RFE began in 1950, and R. Liberation, as it was called then, began in 1953, both supported by the CIA. They were formally separated from the agency in the early '70s, but the Soviets still accuse them of being the voice of the CIA. Radio Free Europe, broadcasting to five East European countries, and Radio Liberty, broadcasting throughout the Soviet Union, are supported by Congress, but think of themselves as surrogate stations for countries to whom they broadcast.

In Poland, for instance, 70% of the news is about Poland. The 1,600 staffers are mostly emigres, headquartered in Munich. "Radio Liberty is the voice of the conscience of Russia," says Gene Sosin, director of planning and programming for the Radios.

The U.S. also plans to launch Radio Marti, a Spanish language station on MW to be beamed to Cuba, whose government is less than enchanted by the prospect. Radio historians say the Germans first introduced jamming during World War I, but the Soviets are the greatest practitioners today. The Soviets try to block the broadcasts of Radio Free Europe, Radio Liberty, VOA, BBC, Radio Beijing, Kol Israel, and Deutsche Welle, among others, experts say.

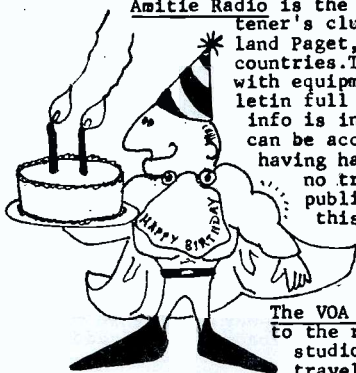
Radio Liberty has been constantly jammed since it went on the air in 1953 in Russian and the other languages spoken in the Soviet Union. The English broadcasts are not jammed. Kol Israel, which broadcasts to the Soviet Union in Russian, Hebrew and Yiddish, is jammed in all three languages, making Hebrew the only national language that is jammed by the Soviet Union. The Soviets also jam the VOA, but not as consistently as Radio Liberty. The Voice was jammed from 1948 to 1973. It had no interference from 1973 to 1980, but the jamming resumed in August of 1980.

In Eastern Europe, Poland jams the BBC, VOA, RFE and Deutschland Funk. Poland had practically stopped jamming in the mid-'50s, and it was not resumed until the Solidarity movement began in 1980 and 1981. Polish gov't spokesman Jerzy Urban, in an interview with the Wall Street Journal, indirectly credited RFE with the success of the Solidarity movement. "The amount of discontent is still great, and trust in leaders is only growing very slowly," he said. "But extremist political tendencies have a small & shrinking roll. If you would close your Radio Free Europe, the underground would completely cease to exist."

Jamming is never completely effective for a variety of reasons. First of all, one frequency is deliberately left unjammed so the jammers can hear what the other side is saying. Secondly, there is a "twilight immunity." Due to the nature of shortwave, bouncing off the ionosphere, atmospheric conditions at dusk make it almost impossible to jam incoming signals. In addition, jamming does not have the range of broadcasting, so residents of a city can drive out into the surrounding countryside and pick up the incoming station. (Via an article by Kay Bartlett in the Milwaukee Journal)

**"Shortwave radio these days is like being at a crowded party where the one who shouts loudest gets heard."**

**-BBC Monitoring Service official**



Amitie Radio is the oldest and largest French shortwave listener's club. Founded in 1973 by its president, Roland Paget, the club now boasts members in over 50 countries. The club publishes a bi-monthly publication with equipment reviews, DX tips, and a monthly bulletin full of francophone program information. All info is in the French language, but tips & letters can be accepted in EE for translation. Most DX'ers having had high school French will probably have no trouble getting through the pages of the publications. If you would like more info on this club, contact Amitie Radio at: BP- 56, 94002 Creteil, France, enclosing two IRC's. (Thanks to Mike Schwartz for sending this to DXM. JS.)

The VOA Voyager: The Voice of America has taken to the road with a new mobile production and air studio. The unit, dubbed the VOA Voyager, will travel throughout the country gathering regional news for international broadcasts. The mobile studio is expected to be on the road for about 50 weeks out of the year. One of its first stops was Nashville, TN, for a live country music broadcast in EE and 11 other languages. The VOA can produce programs on board the Voyager in several ways. Programs can be broadcast live via telephone loop or satellite circuit to VOA headquarters, or edited on-site and shipped to Washington for later use. The mobile facility is capable of broadcasting up to eight programs simultaneously.

(For soundproofing) An acoustic barrier to outside noise was provided by lining the walls that surround the vehicle's studio with a special lead shield. Acoustic absorption material was then added on the interior surfaces. The air conditioning system was also custom-designed to eliminate low-frequency rumble.

The VOA system is made up of a vast technical network that stretches across the country and around the world. VOA inventory includes:

\*Studios: 31 in Washington, DC; two in New York, one in Chicago, Los Angeles, and Miami.

\*Domestic Transmitters: 34, located in Delano and Dixon, CA; Greenville, NC; Marathon, FL; and Bethany, OH.

\*Overseas Transmitters: 77, located in England, West Germany, Greece, Liberia, Morocco, the Philippines, Sri Lanka, Thailand, Antigua & Botswana.

\*Satellite Circuits: 18 commercial circuits are used to feed VOA overseas relay stations, which in turn beam programs on MW and SW to listeners in Europe, East Asia, and the Pacific. (Txn to El Presidente, John Trautschold, for forwarding this from a March 1985 article in Broadcast Engineering magazine. Hey John, I guess you read the column after all, hi!)

The Guide to North American Pirate Activity-1984 Edition is finally available. There were over 500 pirate loggings in 1984, and they are listed and sorted in four ways: By frequency, time, date, and alphabetically. A fifth column shows the area of the U.S. where they were logged. Also presented are articles by several of the top pirate DX'ers in the U.S. It's available for \$6.95 directly from the publisher: Data/Radio, P.O. Box 46199, Baton Rouge, LA 70895-6199. (Keith Thibodeaux-LA)

Word has reached this desk of a new pirate station: While most hobby pirates do not usually make "public" announcements (and for good reason), we have been notified that KGPR, "Gateway Pirate Radio," will soon begin broadcasting from (they claim) the St. Louis area. They hope to broadcast once a week, on Sunday morning from 0030 CST/0630 UTC. Frequencies to be used include 1635 and 7460 kHz. (Received and forwarded by Jack Sander-son, our competent EM in beautiful Tucson! ds.)

\*\*\*MORE DXM AND OUR CONTEST PAGE FOLLOW\*\*\*

**Giving Our Hobby Publicity:** In recent years, many DX'ers have tried various means to help introduce our hobby to the public. One of the best ways is by having a display in a local library, or perhaps even giving a lecture in a local school. One may think writing to the editorial section of a newspaper is a good idea, but that's not always the case. No, writing the letter isn't a bad idea, but many newspapers are reluctant to give our hobby any publicity. SPEEDX'er Greg Jordan, in Gastonia, NC had the same problem with a Charlotte newspaper, that is, until one of the local news & talk stations began an FM simulcast. Greg then wrote in to the paper, first to express his disgust at the station format change, and second, to offer shortwave as an alternative. Keeping the local perspective in mind when writing his letter, Greg soon received a positive response from the editorial editor. Perhaps more of you could do the same; it goes without saying, SPEEDX recently had favorable write-ups in newspapers in AZ and CT, and the response was very positive.

**Radio Australia's "You Asked For It"** will no longer conduct quizzes for its prizes. Instead, they will draw from the letters they receive & distribute the prizes. Delays in the mail made it necessary. The prizes are usually books on Australia. (From Lori Klosowski-FL.)

**CFCF-AM Montreal Combats Tailspin** (Ed. note: This station operates CFCF shortwave, heard on 6005 kHz. ds.) Canada's oldest radio station, CFCF, has added yet another bizarre chapter to an already bizarre book with the rehiring of former sports talkshow host, the abrasive and bombastic Ted Tevan.

It was the firing of Tevan three years ago that sent CFCF into a ratings tailspin from which it has never recovered and which has resulted in the station having the lowest weekly cumulative numbers of any of Montreal's commercial EE-track AM outlets. True to unpredictable form, CFCF AM has signed Tevan on as a midday, non-sports talkshow host. However, in taking Tevan back, CFCF-AM released its most respected announcer, Dave Fischer, a curious move which has left local media observers puzzled, especially in light of the station's no-name, on-air lineup.

Dave Middleton, CFCF's fifth program director in the last 2½ years, admits CFCF's ratings are "horrible throughout the day," and that action is needed. Middleton has been given a free rein to breathe life into the beleaguered outlet, long the sore spot in the privately owned CFCF empire which includes the profitable CTV-TV outlet, Champlain Prods. and CF cable TV.

One of Middleton's greatest challenges will be to spruce up the CFCF-AM breakfast show, invariably in the ratings surveys basement of late. "Our morning show has sounded plastic," said a candid Middleton, with reference to morning man Kevin McGowan (the third morning man in the last 2½ years) and his crew.

Tevan fills a 10 AM to 2 PM slot, that, prior to Fisher, had been handled by seven various personalities. He comes from a 15-month stint at Montreal ethnic outlet CFMB-AM. Meanwhile, Ted Blackman, formerly a morning man and program director at CFCF during this tumultuous period, is now doing morning sports at CJAD-AM with George Balcan, the number one English-track morning man in Montreal. (Thanks to Thomas Sable, who forwarded this from a March 1985 article in Variety by Bill Brownstein. ds)

**SPEEDX Local Chapter Forming:** As mentioned last month, your editor is starting a local chapter, and several positive comments have been received here. In light of the fact letters, from as far away as Jacksonville have been received, I have decided to open up membership statewide. If you live anywhere in FL, and are interested, drop me a pc. Our club will schedule periodic local meetings, plus have an emphasis on improvements/suggestions for SPEEDX. There will also be periodic flash sheets available to members, so I hope you will join in on the fun. ds.

\*\*\*GET READY, THE CONTEST PAGE IS COMING!\*\*\*

\*\*\*BOD ELECTIONS ARE COMING. EARN FMship NOW SO YOU CAN TAKE PART!

\*\*\*\*\*  
 Welcome to another DXM Contest Page. Before we get into the competitions and quizzes, I'd like to mention that we're looking for someone to submit their ideas on a "mini-masthead" for this page. If you have any suggestions, then by all means send them in. And, whoever submits the winning masthead will win a nice prize. So, give it a shot, and maybe you'll see your art work in future Contest Pages!

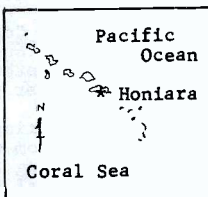
Pin the Tail On Ye Ed: Last month, I wanted to know the present day SWBC station known as the "Voice of the West." The answer is R. Portugal. Winner of a SPEEDX pub is Nathan Murff-NM. Now, this month's quiz: Identify the station logos, in order, and receive your choice of either a book on Finland or \$5.



Winner will be determined by the number of correct guesses. In case

of a tie, random drawing determines winner. Deadline is the 12th.

Geography Quiz: Answer to the April "Mystery Country" was Iraq. Winner of a club pam is Larry Wagner-PA. Now this month's quiz: Identify the country and receive some local postcards from Tampa Bay Area: These islands were sighted in 1568 by an expedition from Peru. Britain established a protectorate in the 1890's over most of the group, inhabited by Melanesians. The islands saw major World War II battles. Self-government came January 2, 1976, and independence was formally attained on July 7, 1978. The main crops are: cocoa, coconuts, and rice. Primary industry is fish canning. Capital: Honiara.



DX Jamboree: A reminder that our current competition in this category is Latin America, and that loggings submissions for the period 0000 UTC on May 3 to 2359 UTC on May 5 are now due, and must be here by the 12th. Top winner will receive a blue and gold cloth SPEEDX pennant (usually only available to staffers) plus will be eligible to receive applicable awards from our Awards Division. Our next competition in this category will center around Europe, and will be held a weekend in July. More details on that right here, next month.

Foreign Competition: Final deadline for this quiz is June 12th. First member who can name the two countries which maintain SWBC stations in Antarctica will receive a SPEEDX Bumper Sticker and an SGAL.....

Contributor's Contest: Lucky winner this month is Ruth Hesch, for her "Award Winning" book review. For her contribution, she'll be receiving a nice prize from headquarters soon. Contribute next month, maybe you will be a winner!

Please remember, when sending in your entry, write your full name and address clearly on the envelope (or postcard.) It will make things so much easier! And, as always, you receive a membership credit for entering, regardless of whether you win or not.

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Not much room to chat, but very quickly, a big thanks to: John Vockeroth, Ron Trotto, and Speed Gray for their phone calls. Also, tnx to Tom Sable and Nathan Murff for their letters. And, "hats off" to our many fine contributors, which make the column possible. Hope to hear from you next month, here's to another year with SPEEDX!

CRACKER COUNTRY: An old, but appropriate cliché: "Time sure flies when you're having fun!"

735 and best,  
 David





To obtain our free program schedule, write to:  
Écrivez-nous pour recevoir l'horaire de nos émissions:  
Radio Canada International  
P.O. Box / C.P. 6000  
Montréal, Canada  
H3C 3A8

(PUBLISHER'S NOTE: This year marks the fortieth anniversary of Radio Canada International. The staff of SPEEDX congratulates the past and present RCI staff, and presents the following article in honor of the occasion. The information is from RCI's Ian McFarland, producer and host of the "SWL Digest." Here's to forty more years!)

On February 25, 1945, Canadian Prime Minister William Lyon Mackenzie King's voice rang out over the airwaves: "This evening marks the formal opening of Canada's International Broadcasting Service. The establishment of this service in Canada is of historic significance. It will serve both a national and international purpose: it will also bring Canada into closer contact with other countries." This marked the official launch of Canadian shortwave.

Now four decades later, Radio Canada International's 40th anniversary provides us an opportunity to look back on its origins and ahead to new challenges....

The history of Radio Canada International actually began when the Federal Cabinet authorized its creation by Order-in-Council in September of 1942.

Within a year of its inception, the Service began construction of two 50 kilowatt transmitters in Sackville, New Brunswick on the Atlantic coast. This site was chosen because the soil in the surrounding marshland provided an excellent reflective base for the transmission of shortwave signals. To this day, it serves as Radio Canada International's principal transmitting site.

On December 16, 1944, the first shortwave test transmission was successfully completed. A little more than a week later - on Christmas Day - the first news from home was transmitted to Canadian troops stationed in Europe.

The first decade from 1945 to 1955 saw rapid growth in the service. In addition to broadcasts in the original three languages - English, French, and German - programs were added in Czech, Slovak, Dutch, Spanish, Portuguese, Danish, Norwegian, Swedish, Finnish, Italian, Russian, Ukrainian, and Polish. The International Service was now heard throughout most of Eastern and Western Europe, the Caribbean, Latin America and Australasia.

In 1955, budgetary restrictions forced the CBC International Service to reconsider its priorities. As a result, five of its program languages - Danish, Swedish, Norwegian, Italian, and Dutch - were reduced to weekly broadcasts and Finnish was eliminated. Further budget cuts in 1961 caused the elimination of these five languages.

At the same time, however, the International Service continued to grow in other areas: in 1961, a daily service to Africa was introduced and in 1962, a third 50 kilowatt transmitter was installed in Sackville. The year 1964 marked the beginning of programming to the USA in English and French. In September 1967, an agreement was made with the BBC to relay RCI programs directed to Eastern Europe from the BBC's transmitter facilities at Daventry, England, thereby improving the signal quality to this important target area.

In 1972, the International Service was officially renamed Radio Canada International. That same year, work had begun on the installation of five 250 kilowatt transmitters and on the expansion of antenna capabilities in Sackville. Five years later, the project was completed. In 1973 an agreement was reached with Deutsche Welle, the shortwave service of the Federal Republic of Germany, for use of their transmitting facilities in Sines, Portugal to relay RCI's signal to Eastern Europe. In 1980, construction began on a new antenna array for the African service. This project was completed in 1984.

In 1977, program personnel were regrouped into five separate target

areas: Eastern Europe, Western Europe, Africa, the United States/Mexico, and Latin America. Because of budgetary restrictions, the Australasian service had to be discontinued.

A sixth target area, the Caribbean Basin, was added in 1982 with daily programming in English and French. In addition, since January 1983, these programs have been relayed on medium wave via Radio Antilles in Montserrat.

In the fall of 1983, RCI began transmitting in Japanese. Programs prepared by our Vancouver office are now fed weekly via satellite to Radio Tanpa in Tokyo for rebroadcast on shortwave in Japan.

In recognition of the growing strategic importance of the Pacific Rim, RCI this year launched a major initiative with the inaugural broadcast of "Canadian Journal," a weekly business-oriented program. Produced in Montreal, this English language program is transmitted via satellite for rebroadcast on Hong Kong Commercial Radio.

Today RCI offers a full range of Canadian news, commentary and information to millions of shortwave listeners in Eastern and Western Europe, the United States, Mexico, Central and South America, the Caribbean, Africa and the Middle East. These programs are broadcast in English and French as well as Russian, Ukrainian, Polish, Czech, Slovak, Hungarian, German, Spanish, Portuguese, and Japanese.

In addition, a topical disc and tape service offers collections of short feature items of varied content for insertion in magazine-format programs abroad. Material is specifically selected to appeal to a country or region and is currently available in English, French, and Japanese.

In acknowledgement of the growing number of Canadians who travel abroad, RCI was also mandated to provide "...more Canadian news and information in those areas already served under the primary objective of broadcasting to foreign audiences."

As a result, RCI now broadcasts information programs originating from the domestic network of the CBC (The World at Six, As It Happens, Sunday Morning and The House) as well as from la Societe Radio-Canada (Present, Radio Journal and Le Magazine Economique). These programs are directed to the USA, Europe and the Caribbean. Programming for Canadians abroad is also produced by RCI's own staff.

Today, the policies of the Department of External Affairs form the basis for decisions on RCI target and language priorities. However, programming and editorial policies are wholly the responsibility of the CBC.

In 1976, Radio Canada International began to forge closer links with other international shortwave broadcasters. Together with Radio Sweden International, Radio Netherlands International and Swiss Radio International, RCI formed what has come to be known as the International Broadcasting Group of Four.

This year, RCI's obsolete 50 kilowatt transmitters in Sackville are being replaced by new 100 kilowatt units; a new studio is being added to La Tourelle, the headquarters of RCI in Montreal; and an agreement has been worked out with the BBC to replace the obsolete 100 kW transmitters in Daventry with modern 300 kW units to relay RCI broadcasts to Eastern Europe.

Although Radio Canada International is a small to medium-size broadcaster, surveys indicate that RCI is a dynamic organization that has an impact out of proportion to its resources. This has been attributed primarily to the credibility and objectivity of its news and programming and the warmth and professionalism of its on-air personalities.

# TECHNICAL TOPICS!

TERRY LINDLEY WDX4KYX  
DXer and SWL  
Route 15, Box 1098  
Birmingham, AL 35224

DEADLINE: 12th of the month

Have you ever listened to WWV? No, I mean have you ever "really" listened to WWV? There's a wealth of information there. It may not be used by the average dxer but its very interesting. WWV operates on 2.5, 5, 10, 15, & 20 mhz. They use three atomic clocks to provide the time of day, audio tones, and carrier frequencies. The frequencies of the oscillators at the stations are controlled to be within one part in 10 to the 12th power, (which is 1000 billion) of the NBS frequency standard located at Boulder, Colorado. The time at the stations is not quite as accurate. It is held to within a few microseconds of the atomic time scale. Remember though that a microsecond is one millionth of a second. So therefore no human ear could tell the difference.

The first second pulse of every minute is an 800 millisecond pulse of 1000 hz. The remaining second pulses are brief 5 millisecond pulses that simulate the ticking of a clock. All pulses occur at the beginning of each second. The 29th and 59th pulses are omitted.

Have you ever wondered why the audio from WWV is poor? If you have a good strong signal it is not too bad. But if your signal is weak the audio portion of the transmission must be listened to pretty closely. Each tick is preceded by 10 milliseconds of silence and followed by 25 milliseconds of silence. The total 40 millisecond protected zone around each seconds pulse interrupts the voice announcements. This causes only a small audio distortion but it does make a difference. The ticks have priority though and they must be received clearly.

I will give you a brief rundown on the broadcast format of WWV. The first minute of every hour is reserved for the station ID and address. The 8th, 9th, & 10th minutes are used to broadcast information on storms. This is where I first learned that hurricanes occur somewhere in the world all the time and not just at our hurricane season. The 16th minute is used to give updates on station maintenance and brief shutdowns. This can be valuable if you wish to log some of the time stations in other countries that are on the same frequency. During the 18th minute solar flux readings are broadcast to keep you up to date on propagation that can be expected. On the 30th minute another station ID and address is given. On the 45th thru the 50th minute the audio tone is omitted and all you hear is the ticks. On all other minutes all you will hear is the audio tone and clicks.

What goes on behind the scenes during these other minutes when no voice announcements are heard? Technicians in labs all over the world are using the transmissions to make frequency measurements and set oscillators for everything from transmitters to medical equipment. The signal is also used to set frequency counters. A frequency counter is a device that (yes you guessed it) counts or measures frequency. It has a digital readout much like the readout on modern SW receivers, but is about 1000 times more accurate.

Time interval measurements are probably the most widely known use for the signal because it is given every minute by an announcer. The signal is used for a great many other purposes most of which are too numerous and too technical to try to explain in this column. Remember though when you listen to the WWV signal that a lot of activity is going on behind the scenes.

73<sup>s</sup>  
Jerry

# Product Profiles

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\* REVIEWS AND ANNOUNCEMENTS MICHAEL NOWICKI N6LUU \*  
\* SWL COMPUTER APPLICATIONS Post Office Box 32215 \*  
\* DEADLINE: 12th each month San Jose, Calif 95152 \*  
\*\*\*\*\*

## THE SPEEDX AMATEUR RADIO NET IS ON THE AIR!

For the past couple of months a handful of us SPEEDX hams have been conducting an informal on-the-air roundtable net discussing shortwave radio topics. We now have the approval from SPEEDX pres John T. to make it the official SPEEDX net. Mark Johnson, N7DYS, Maxon Stouder KB6FYJ and myself N6LUU, gather on 7,260 every Monday (Sunday local) at 00:00 GMT. Topics discussed thus far have included numbers stations, mystery cw beacons and Soviet broadcasting.

It should be pointed out that this net is not a general broadcast but rather a series of station to station transmissions strictly adhering to amateur radio regulations as put forth by the FCC. Hams do not have to be a member of SPEEDX to join in and we welcome all check-ins when the call is given. The airwaves are considered to be free (unless you're a cable tv company with a microwave downlink) and any swl can tune to our frequency to monitor the net activities.

Our present freq/time should provide good coverage to the western half of the U.S. and as the net grows we may have to move to a higher band for better cross country coverage if it really takes off.

Hopefully by the time you read this we will have printed up a very limited quantity of QSL cards with the SPEEDX logo that verifies participation in or monitoring of this net.

I received a significant amount of mail in response to my article on the numbers stations in the April T&T column. Some members wanted to know if it was on the level, others wanted more information and one former column editor, a numbers station expert, sent me a really nasty letter. For the most part it was an April Fool's story sent as humor to DX MONTAGE but somehow got rerouted to T&T. I thought the part at the end about "cw from the dead" would tip off readers to the parody but some took it too seriously. Gotcha! APRIL FOOL!!!!

Ruth Hesch of White Plains, New York has some comments on her radio.

"For an uncomplicated, easy to use receiver, my Kenwood R-1000 is excellent. It was modified by Radio West and this radio gives more than satisfactory performance. With the band switch having 1 Mhz intervals the frequency can be secured quickly. One thing I do not like is the speaker which is placed on the top of the set, so I have it hooked up to an external speaker facing forward."

Michael Schwartz, an American SPEEDX'er working in France sent me a trade show brochure describing Russian made shortwave radios.

The VEGA 326 features a built in cassette deck and AM/FM reception. The SALUTE 001 appears to be the high end unit with analog memory presets, narrow and broad filters and bass and treble controls.

The SELENA 217, like the MERIDIAN 237 are medium size portables with AM and FM modes and whip antennas. Several mini-portables such as the NEYWA 304, SIGNAL 304, VEGA 404 and the SOKOL 308 are advertised with similar features as the other models.

The thing that strikes you right away about these portable radios is the inclusion of the VLF band from 150 Khz to 500 Khz. Soviet broadcasters use this band for internal broadcast coverage so its probably a safe assumption that the same models with Cryllic instead of English legends are sold within the USSR to our Russian DXing counterparts. It's hard to judge a radio by a brochure but taking into account the generally poor quality of Soviet made consumer goods I would not recommend rushing out to buy one, even if they could easily be purchased here in the good ol' USA.



The owner's manual is complete with descriptions of the unit's operation, a schematic and instructions on how to install the options. The manual was obviously originally written in Japanese and translated into English with some errors in syntax requiring the average occidental to have to read it again to be sure, but this does not happen often.

My gripes are few and are far outweighed by the remarkable performance of this rig but they do deserve mention.

There is no antenna trimmer on the R71A which means you should use antennas cut for the frequency desired or use an antenna tuner. Don't get me wrong, this radio will pick up quite a few stations using a length of wire wrapped around a broomhandle, but to realize all the potential inherent in this radio you should use an antenna system of equal quality and careful design. The difference will amaze you.

The S meter is very stingy and only functions when the automatic gain control is turned on. Many times I have monitored signals of average strength, particularly on sideband, that are loud and clear but the meter barely moves. The squelch control that switches the tape recorder output seems shy to click on in the same manner and may be related.

The R71A I have as well as 3 out of the other 6 units I have played with locally seem to have an electronic clicking when the tuning dial is rotated. While not pronounced, it can be annoying and occurs mainly on the lower bands and seems to be related to the internal optical sensor that is used to detect tuning dial movement. ICOM was having some quality control problems on it's HF ham transceivers and the R-70 and hopefully the problems have been solved.

The RTTY mode provides what appears to be too narrow of a bandwidth for consistently good copy on all shifts. 3 different commercial and military RTTY demodulators were tried and provided poor copy using this mode, but when using the USB or LSB modes instead, excellent copy was obtained.

Many who have seen or tried to use this radio get confused by all the controls, buttons and switches and like it's R-70 ancestor, the R-71A has been deemed by some as "difficult to learn to use". This is not so.

All these extras like the filters, noise blanket, passband, scanning, and notch filter can be turned on and adjusted or left completely off. Anyone can turn it on and get dx right away and later on tinker with these other things. However once you learn how to cancel out hertodyne from that rare 250 watt tropical station, salvage a weak signal from a jammer or wrap the woodpecker up in a noise blanket, you won't know how you ever managed to DX without them. At this point in time the retail is \$799, discounted by some mail order companies to as low as \$599. Is it worth it?

Depends on how much time you spend in front of your current radio. For those who only listen to the BBC and Radio Australia a couple times a week and not much else, no, do something else with that money. This is not a rig that can be fully appreciated by the casual listener or neophyte.

But for the dedicated swl who spends an average of an hour a day or more glued to the radio, you've already gone through a couple of rigs and you're ready for something to get serious about the hobby with, then yes, it is well worth it. You get what you pay for.

\*\*\*\*\* PRODUCT ANNOUNCEMENTS \*\*\*\*\*

The DXER'S DIRECTORY is now available from UNIVERSAL SHORTWAVE RADIO for \$4.95 + \$1.05 shipping. It lists over 850 swl hobbyists worldwide in both geographical and alphabetical format in addition to providing information on 100 radio clubs.

Their new 85-03 catalog is filled with dozens of products that are sure to be on the wish list of many of us. Price is \$1.00 (refundable with purchase) and may be ordered from USW at 1280 Alda Drive, Reynoldsburg, Ohio, 43068.

An interesting sounding SWL DATABASE program for the Commodore 64/disk system is now available from SPEEDXer Bill Cole. According to the press release it not only organizes your radio hobby data, it has a world time map clock and computes bearing, distance and current propagation conditions from user supplied data. Price is \$10.00 in the USA and \$11.00 for overseas airmail. Contact Bill at 107 Charles St., N. Cape May, NJ 08204.

This is the third and final month of the trial period for this experimental column. I hope you have enjoyed reading this column as much as I have enjoyed preparing it. N6LUU 73!



# PSST! TIPS 'N' TOPICS

JOHN DEMMITT  
Box A, K08M,8  
Belefonte, PA 16823  
DEADLINE: 12th



A great deal of information has been arriving at TNT along with many letters containing kind remarks about the column. Thankyou very much but the real credit belongs to you the readers of the column who contribute articles, tips and other information. We have a lot of material to bring to the attention of the readers, so let's begin.

TNT                    - - . -                    TNT                    - - . -                    TNT

KPF-941 GRANTS INTERVIEW WITH TNT ..... John H. Demmitt, PA

One of the events that will go down in radio history will be the situation created when Alan Weiner and J.P. Ferraro fired up a 100 watt transmitter to enable the people of Yonkers, NY to hear local programming over their AM radios. Mr. Weiner secured a license from the FCC for an auxiliary station on the frequency of 1622 KHZ and began transmitting but the FCC soon ordered him to stop because the auxiliary station was not being used as a "production tool" with his other station, WOZI and WOZW, both located in Maine. A solution was found and KPF-941 returned to the air. The following is an interview I had with Mr. Weiner.

- Q. There have been many misunderstandings in the radio community concerning KPF-941. It is licensed as an auxiliary station. What is an auxiliary station?
- A. Auxilary stations are licensed to AM, FM, TV or network entities under part 74 of the FCC rules. Basically they are used in news gathering and program production in the field or from studio to studio. Auxiliary stations are a "production tool."
- Q. What is the purpose of KPF-941?
- A. KPF-941 was originally set up to service the community of Yonkers, NY with non-commercial radio. Yonkers, a city of 200,000 does not have it's own local broadcast outlet, mainly due to its proximity to New York City. We felt that the rules were broad enough to allow us to broadcast directly to the public. However the FCC did not and ordered us off the air. We left the air on Nov. 28th of 1984 after 3 weeks of broadcasting. We returned to the air on March 4th of this year using KPF-941 as a "production tool" to produce programs for our stations, WOZI and WOZW in northern Maine. At present KPF-941 is not broadcasting directly to the public, however anyone can legally tune in to our 1622 KHZ transmissions. We tried to give Yonkers its first radio station, apparently the FCC did not see it in the same light.
- Q. Where is KPF-941 located?
- A. KPF-941 is located in Yonkers, NY. The transmitter site overlooks the famous Hudson river.
- Q. What might be heard while monitoring KPF-941?
- A. If someone tunes in to KPF-941 on 1622 KHZ, they will hear programming being produced for broadcast over WOZI and WOZW in Maine.
- Q. What is the output power of the transmitter?
- A. KPF-941 runs 100 watts using a Western Electric Type 451 transmitter.

For more of this exciting interview, turn the page and read on.....

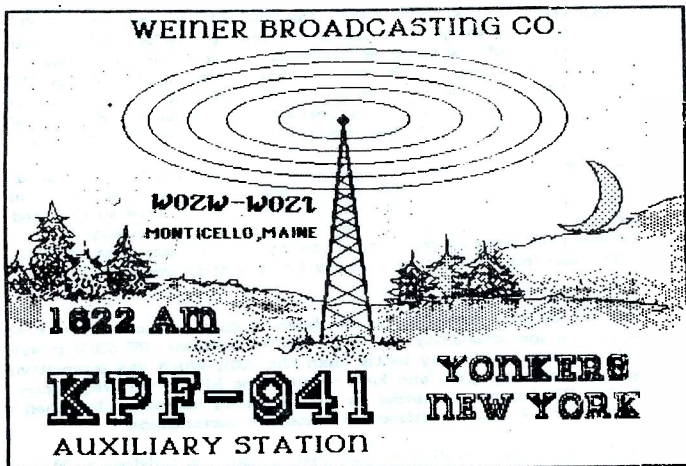
Interview Between Allan Weiner of KPF-941 & John Demmitt of TNT cont'd...

- Q. What type of antenna are you using at the auxiliary station?
- A. The antenna is a 40 foot vertical tower complete with a radial ground screen.
- Q. What other equipment is used at the auxiliary station?
- A. Other equipment includes turntables, a 12 channel audio production console, reel-to-reel master recorders, limiters, compressors, etc.
- Q. When might listeners expect to hear KPF-941 feeding programming to Monticello, Maine?
- A. Production times vary. Usually around 8 to 10 PM (local) we start putting together a program. Program time lasts two to four hours. At present we operate 4 or 5 times a week.
- Q. What are your plans for the future concerning KPF-941?
- A. Mario Biagg of New York is currently drafting a bill to be presented before congress to establish KPF-941 as a broadcasting station which will give Yonkers, NY it's first local station. Until then we will continue to produce programs for WOZI and WOZW in Maine, using KPF-941 as a production tool.
- Q. How may listeners obtain a QSL from KPF-941?
- A. We QSL all of our facilities. Correct reports should be sent to:

WOZW - WOZI  
PO Box 1117  
Presque Isle, Maine 04769

TNT would like to thank Mr. Weiner for taking time out of his busy schedule to grant this interview.

The following is a QSL issued by KPF-941 on its first transmission after the Federal Communications Commission ordered the station off the air.



Dear John,  
You heard us again on March 4<sup>th</sup> 1985  
between 9:15 PM - 9:38 PM EST (aw)

TNT

TNT

TNT

## SONY ICF 2010

by Don Moman

The January 18 edition of Media Network featured a review by Jonathon Marks of the new receiver from Sony, the ICF 2010 (or ICF 2001D outside North America). Their comments were detailed in the February *CIDX MESSENGER* (page 37). Since I now have one in my possession, my comments follow:

**BASIC FACTS and SPECIFICATIONS** Coverage: AM 150 - 29,999.9 khz FM 76-108 mhz AIR 116-136 mhz. Built in antennas for all bands. 4 inch speaker, 380 mw of audio, .775 mv tape output (low level for "mic" input on recorder). 3 D cells (2 AA for computer memory) or 4.5 volts external power. Battery life should be 8 hours with standard 1.2 amp/hr D NiCads, considerably (30-40 hrs) longer with fresh alkalines. 32 memory channels, each will store frequency, mode and bandwidth. Keyboard plus tuning knob frequency input system. LCD readout to .1 khz. 4 digit 12/24 hour clock with 4 timers, each capable of selecting the frequency as well as on/off times. Versatile memory and band scanning functions, modes keypad selectable. Size is 288 x 159 x 52 mm (11.375 x 6.375 x 2.125) inches (w/h/d) which is very similar to the 2001. Weight is 1.7 Kg, nearly 4 pounds.

Performance wise, the 2010 comes off as a very competent package. Readout to .1 khz, with stability to match, 32 memories and key pad tuning might make you think I was describing the ICOM R71! And in many ways, the 2010 is a more "portable" version of the R71. Many of the comparisons in this review are made with my R71.

Tuning the set is accomplished 3 ways. A very easy to use keypad - just hit the numbers, then EXECUTE and there you are. Slightly simpler than the R71 - no leading or trailing zeroes need be entered. Tenths of a khz entry is not allowed in the 2010, only a small complaint here. A manual tuning knob is also provided - two tuning steps (.1 and 1 khz increments) are switch selectable. 50 khz / rev in fast, 5 in slow. Minimum steps are 100 hz with no provision for fine tuning (RIT) - this is a unfortunate situation, but with the special "sync" feature it becomes much less of an annoyance. More on that later. But for utility and ham listening it still is a shortcoming, especially if you have a CW/RTTY decoder - they may require unusually precise frequency resolution.

The third way of tuning is via the 32 button (64 function) memory preset system. Each of the 32 presets will store frequency, mode and bandwidth (plus a "skip" feature). Each button (most of them, anyway) has a second function that is used to define scanning parameters, and can also take you to a preset band edge instantly. Example, hit shift and C1/41m and you'll be at 7.000.0 instantly, no matter where you were before. Hitting scan will then only scan that portion of the spectrum. Conventional upper and lower scan limits can also be defined. Key are provided for LW, MW, 120 thru 11 meters, FM and AIR. It may sound complex but it is very easy to use and requires an absolute minimum of keystrokes to accomplish a function. The 4 x 8 matrix of memory preset buttons is more versatile than the rotary stepper switch on the R71, since any memory may be selected in any order.

Other than the minimum 100 hz tuning steps - 10 hz may be a bit much to expect in a small portable, especially in this price range (to build a good spectrally pure 10 hz PLL is not a simple or cheap task - the R71 is probably the lowest priced set to have such a good PLL) but some form of fine tuning like the 2001 had, would be nice - the only other complaint is the noise the PLL makes as you tune. There's a popping sound as the PLL unlocks momentarily. The same noises are found in the R71 but they are much less noticeable there.

Sensitivity using the built in whip seemed to be low, however compared to other sets which I know to be at least of average sensitivity (Sony ICF 7600A, Panasonic RF 6300) it was almost identical. It should be significantly better than the 2002, which was insensitive. With an external input, it was very good, and kept up with the R71 on all frequencies above the BCB range. The R71 became the leader as the frequency decreased, but then my R71 is not "stock" - the front end has been modified for better MW performance.

Measured performance (HP606 RF generator) indicated that it could just detect a .08 microvolt signal at 9.5 mhz, and at 1000 khz sensitivity had fallen to 1 uv. Quite comparable to a stock R71, actually. The 10 LED S meter reads values of 1/1.5/2/2.5/3/5/10/25/50/80 uv (at 9.5 mhz) for the 1 thru 10 LEDS. Notice that the "9" LED is exactly 50 uv. At 1000 khz the meter started indicating at 20 uv with all values correspondingly higher. One nice feature with the antenna input - unlike almost any other portable - is that the external antenna plug, when inserted, cuts off all internal antennas. Not just the whip but even the LW/MW internal loops. Very nice for the DX'er who wishes to use an external directional loop (or FM/AIR directional beam system). Surprisingly, the shielding is very good too. With a dummy plug inserted to cut off the internal antennas, only faint audio from my locals could be heard. My locals are VERY local, by the way! My compliments to Sony for incorporating this into their design!



FM performance was only fair, in my opinion. It seemed reasonably sensitive (2 stations about 100 miles away came in fair) but it seemed on the verge of overloading as well. AIR band performance was poor - using only the telescopic whip the set received no audio on the local airport flight information frequencies, while my Radio Shack PRO-30 handheld scanner was able to provide just barely readable audio. And I don't consider the PRO-30 to be above average in sensitivity.

Surprisingly, an external SW antenna did not introduce severe overloading from my strong locals. At my DXpedition site near Cooking Lake (still with strong locals but free from externally produced spurious signals) the 2010 suffered no more (or less) overloading than the R71, on the SW bands. MW held up quite well, but LW was a wash with images. Here the problem is compounded by the already low sensitivity on this band. Still, LW is not that important to the majority of listeners, I'm sure. Unfortunately, it is important to me so the 2010 is not my dream LF receiver. And it only covers LF down to 150 khz. Overall it performed surprisingly well, better than any other portable with the exception of the much higher priced Sony CRF-1.

Selectivity is rather typical for a portable. The wide filter is w-i-d-e and provides good audio when conditions permit. The narrow filter is adequate in that it provides much relief from QRM but still allows quite respectable audio. Measurements I made indicated a wide value of 10 khz (16 at -50db) and a narrow value of 5 khz (8 khz at -50db). A third, narrower, choice for SSB would be useful. Using the 2010 in either USB or LSB while listening to a conventional AM signal is nearly totally unsatisfactory, since the 100hz tuning steps are far too large to permit in phase tuning. However a small button labelled "sync" does the job very well and automatically. Tuning to the high side of the signal will cause it to lock onto the USB portion, and vice versa. As to whether it helps much - it can reduce the impact of fades, and does allow you to choose the least interfered sideband with ease. But it also adds some background noise (a high frequency hiss), quite noticeable on weak signals. On some signals (ones with a lot of random fades and rather weak too) it adds another noise - a burbling sound. It's no doubt caused by a confused PLL circuit, wandering about looking for a signal to lock on. However sometimes the noise would stay even after the signal came back, turning off the sync and then turning it back on would get rid of the noise. Not unexpectedly, if there are two carriers present within the lock range of the circuit (typically +/- 400 hz), the circuit cannot choose between them. Tahiti on 15170.25 was producing a strong het this morning and the audio on the 2010 was hopeless, and without fine tuning there was no way to manually zero beat the signal. The R71 fared much better, as it should. Listening to RCI on 11945 at 2130 for the SWL Digest, which suffered severe splash from Gabon on 11940, the ICF2010 again fared worse than the R71.

#### OTHER FEATURES

A separate clock display (only 4 digit) is 12/24 hr selectable. It is also the heart of a useful timer function which allows you to program 4 "on" times, each of which selects a frequency stored in a particular memory channel. The tuning dial is used to set the clock times - both forward and reverse setting make it very easy to use.

Memory and band scanning are quite versatile but the scanner will only stop on relatively strong signals. It scans so quickly that weak signals are not even audible, and unlike the R71, there seems to be no adjustment to slow down the scan rate. On FM the scan consistently stops before, during and after a strong signal. You can scan several ways - predefined "bands", user defined limits and all memory channels (you can program in a "skip" function too); and the set can either pause for 1.5 seconds on each strong signal or stop scanning altogether.

Audio from the 4 inch speaker is certainly not in the "ghetto blaster" tradition, and bass response is obviously lacking in such a small set. A 3 position tone control is provided. I would rate it to have good audio for the SWL but only fair for FM. Panasonics and other portables have better FM sound, possibly at the expense of their weak signal SW audio.

Overall, I quite enjoy the ease of using the 2010, and it makes an excellent companion for use with the R71, but when reception conditions get difficult it soon becomes obvious that there is nothing terribly exceptional about its ability. The "sync" feature does little to improve things. A narrower filter would certainly help matters, but I haven't checked out the inside of the set yet - there may very well be no room to do any experimenting with better filters. Price is listed as \$520 and the set seems to be in quite plentiful supply already.

## Grave-Yard Long-Wire

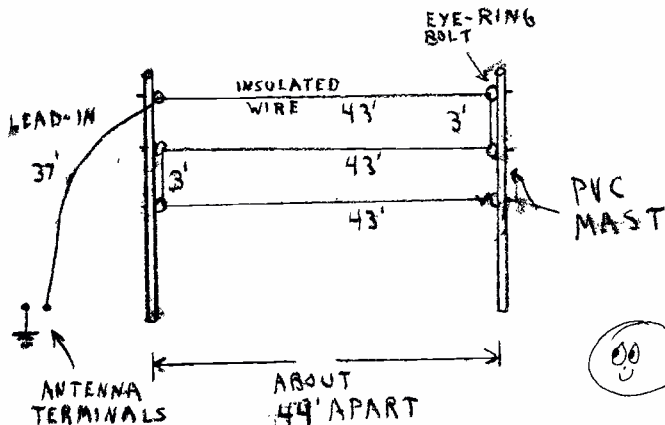
Graveyard listening is blessed with some stronger signals because of night power increases. An aid in receiving longer distances signals is the use of a longwire that can deliver more signal to your receiver. Most receivers have a low impedance input and more signal current is transferred when the end of your antenna and lead-in combination is a quarter wavelength. All you need do is make certain your longwire antenna and lead-in length is:

$$\text{Total length} = 234 / F \text{ in MHz}$$

A good compromise length for graveyarding would be about 1360 KHZ because lowest and highest graveyard frequency are 1230 and 1490. Hence:

$$\text{Length in feet} = 234 / 1.36 = 172'$$

Assume the lead-in to your house and to the radio antenna terminals is 37 feet. If so your antenna length should be about 135 (172-37) feet. When you don't have the stretch-out space needed, double back, triple back or quadruple back. A three ladder arrangement is shown. Works out easily if you use PVC piping arrangement is shown. Stretch out as much as you can of course but, if you can't, you can still gain some in signal level as compared to a shorter antenna wire. You may wish to give it a try on the low-frequency tropical bands too.



Thanks goes out to Ed Noll for this space saving antenna.

### LOST IN THE MAZE OF BIG GOVERNMENT?

GOT A QUESTION AND CAN'T FIND THE ANSWER? SMALL AND MEDIUM-SIZED COMPANIES NOW HAVE A REPRESENTATIVE IN WASHINGTON, THANKS TO THE COMMERCE DEPARTMENT'S OFFICE OF BUSINESS LIAISON. "ROADMAP" WILL EITHER FIND THE ANSWERS TO YOUR QUESTIONS OR DIRECT YOU TO THE PERSON OR AGENCY WHO CAN.

WRITE THEM AT: ROADMAP  
OFFICE OF BUSINESS LIAISON  
US DEPT. OF COMMERCE  
WASHINGTON, DC, 20230  
202-377-3176

(FROM BOB GROVE'S MONITORING TIMES, VOLUME 4, NUMBER 2, PAGE 19, FEBRUARY 1985)

Contributed by Frederick White of FL

A very active supporter of SPEEDX and a regular contributor to TNT is Ruth Hesch of New York. She freely shares her enthusiasm with the membership with lots of loggings, articles, ideas, information, etc. Below you will find two excellent articles Ruth would like to share.

Not being a Ham I can only be an associate member of the International Mission Radio Association (IMRA) which is on 14280 KHz daily Monday through Saturday from 1900-20 GMT. As a SWler I can be of service. Once in a while a phone patch is needed in NYC so I telephone a Ham friend living there that he is needed on the Net. Also, the address of HCJB was needed one day and none of them knew it. So I telephoned another friend who was on the Net that day with the information to give it over the air.

Their newsletter is sent to me and in the November-December 1984 issue was an item about one of the IMRA members, Mardy Picazo, HH5MV, the Director of Development for Radio 4VEH on 4930 KHz. It gives the information that the station is owned by the Evangelical Church of Haiti and receives some 20,000 letters each year.

Mr. Picazo produces the Spanish programs and is assisted by his wife Rachael, who is a script writer of Biblical dramas and disc jockey for programs of gospel music. He was born in Texas of Mexican parents.

The station broadcasts 17 hours daily. The principal parts of it are over 20 years old so sometimes there are difficulties in keeping it operating.

OMS International, formerly known as the Oriental Missionary Society, is the operator of 4VEH. This organization was founded in 1901 by two Chicago telegraphers. Their work began in Japan training native workers and establishing an indigenous Church. OMS is now involved on three continents and twelve countries.

New technology has affected the hobby of SWling in recent years. Manufacturers have improved radios dramatically as to performance, size and price. Computers are making columns in the bulletins easier to write for the editors and those who send reports to them. The use of cassette recorders enable those who listen to DX and other programs to get full information rather than having to take quick and sometimes incomplete notes. New periodicals have started like Monitoring Times, Popular Communications and The Shortwave Guide to add general and specific information.

It seems though, there is one area that is not keeping pace with these advances. There is little publicity about the hobby. Those SWlers who are on High School and College staffs could bring portable radios to school and demonstrate to language and history teachers the value of listening to overseas broadcasts. Many of the youth of today have money for "boom boxes", cassette players and records so a moderately priced SW radio is within their reach. Those in offices, factories, stores and outdoor work who have lunch with their fellow workers could bring in a radio and while listening to it would attract the interest of some of them.

I lend my first SW receiver, a portable, to acquaintances who were born in other countries so they can listen to programs in their first language. Almost all of them did not know SW radios exist in the U.S.

R. Hesch (NY)

LONGER TRANSMISSION COULD MEAN BETTER RECEPTION ..... Betsy Robinson, TN

From my Radio Norway International schedules comes the following... Due to low solar activity the conditions for shortwave listening are at present very unfavorable and good frequencies hard to predict. For this reason listeners should also try transmissions beamed in the opposite direction, so-called long route reception. For example, transmissions beamed to South America (220/250) degrees may sometimes give better reception in the Far East than signals travelling the shortest route.... (30/50) degrees.

RAIDIO FEIRSTE LE TOSU LA PADRAIG ..... Paul McKee, Ireland

On St. Patrick's Day the people of Belfast listening to 1000 KHZ were treated to programming in the Irish language. No, this was not provided by the BBC but from a pirate station operating inside Belfast calling itself RAIDIO FEIRSTE which translates to mean The Mouth Of The River. The station does have plans to expand its range in the future.

HOW TO ID MEXICAN FROM CUBAN MW STATIONS ..... Carl Huffaker, Mexico

Musically, it is difficult since both types of music are popular. There are many differences in common words, but radio in both countries use a more educated language with very little of the common idiom. At 10:00 to 11:00 P.M. Sundays (local time) almost all Mexican stations carry "La Hora de Mexico". It's a good time to check the MW dial. On the regular programming, check for commercials. If they seem endless, suspect XE. Cuba is not a constomer oriented economy. There's few chains (networks) in Mexico so the stations all have different slogans instead of calls. The WRTH list is accurate for the most part. The Cubans use the name of the chain. Not many use call letters in either country.

AMATEUR RADIO NETS ..... Ralf Munster, GA

R. RSA has an Amateur Radio Net for it's monitors conducted by Colin Miller (ZS6BYL) and Norbert Taferner (ZS6ANL) as follows: To North America on Saturdays at 1700 UTC on 21350 or 14300, to Europe on Sundays at 1300 and 1400 on 21210 or 14300, with the actual frequency depending on reception conditions at the time. All xmsna are on USB. In addition, Norbert has a net for German speaking amateurs on Saturdays at 1600 UTC on 21210 KHZ USB.

MONEY IN RADIO ..... Jeff Elson, MO

According to the Kansas City Times, the top American advertising accounts as listed in the March 10th edition are as follows:

|                |              |
|----------------|--------------|
| Anheuser-Busch | \$47,600,000 |
| General Motors | 38,400,000   |
| AT&T           | 37,400,000   |
| Jeffery Martin | 21,700,000   |
| Coors          | 21,600,000   |
| Ford           | 20,000,000   |

TALKING SHORTWAVE ON MEDIUM WAVE RADIO ..... Mike Harris, OH

Our own ambassador of shortwave Mike Harris informs TNT that he was given some air time over WCOL - 1230 KHZ in Columbus, Ohio during a talk show in which he discussed shortwave and answered many questions. What a great way to reach out and tell the people about shortwave. Keep up the good work Mike. Sure hope you mentioned SPEEDX.

PROBLEMS FINDING SPACE FOR ANTENNAS? ..... John Demmitt, PA

A book entitled "25 Simple Indoor and Window Aerials" has the solutions for using the little space you do have near the receiver to build an antenna system designed to fit your needs. The book is written by SPEEDX'er Ed Noll of Pennsylvania and sells for only \$5.00 postpaid. To order your copy, send \$5 to .....

Ed Noll  
Box 75  
Chalfont, PA 18914

73z  
John



Lots more next month.





# SPEEDX

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Tucson, Arizona 85715 USA

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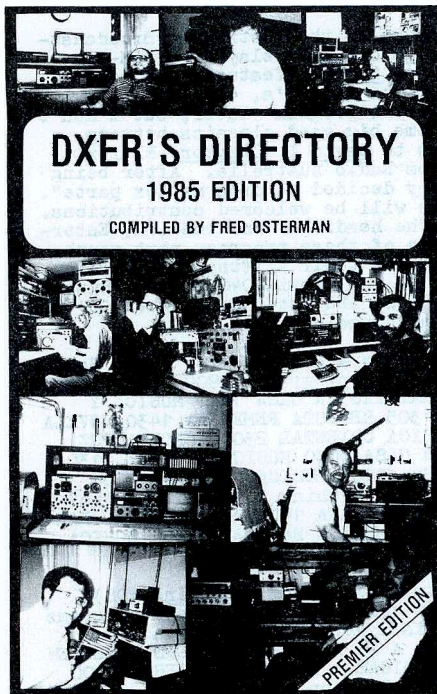
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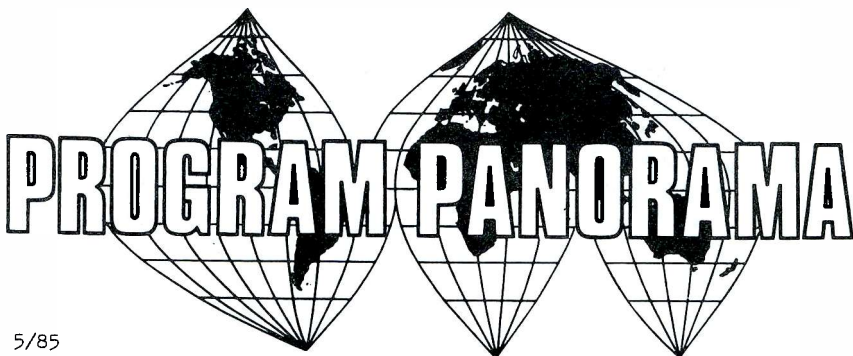
Fred Osterman  
1280 Aida Drive  
REYNOLDSBURG, OHIO 43068



## DXER'S DIRECTORY

1985 EDITION

COMPILED BY FRED OSTERMAN



# PROGRAM PANORAMA

5/85

**Woody Seymour, Jr. P.O. Box 848 Sanford, N.C. 27330**

THANKS...to all who sent cards and letters about the missing column last month and the reason behind it. I'm feeling better now, but I sure hated to miss doing the column--my first "miss" since joining the SPEEDX staff in April 1978. A full two pages this month, so onward..

AFGHANISTAN...If you want to hear English news from this war-torn nation, tune in 1900-1930 UTC on 7320 and 9665 kHz.(Giorgio Romanin, ITALY)

ALBANIA...Hope that you were able to catch the many features on this enigmatic country on radio and TV due to the death of the leader Enver Hoxha. Particularly interesting was a piece on "60 Minutes" on 4/14. Anyone have a report on Radio Tirana's coverage of the death? (WS)

AUSTRALIA...(Peter Dillon, DC)"I find some of the Australian Broadcasting Corporation's programs to be quite good. The relay from VLM-4 Brisbane on 4920 between 0910 and 1000 on Sat UTC features old movie scores and hits from Oscar-winning films of the 30's, 40's and 50's. I think that VLW-9, Perth(9610) repeats the program later, but I don't know exactly when. VLW-9 also plays some big band classics between 1300 and 1400 UTC(on Sat)".....Thanks to David L. Claytor, MI for sending the latest "Program Poster" from Radio Australia. After being on RA's mailing list for 15 years, they decided to drop me "ex parte". Thus, any copies of future RA schedules will be welcomed contributions. (WS) Programs are listed daily under the headings "Information, Entertainment, Features". We'll include some of these programs next month; here's a list of the weekday announcers and their shifts: Rick Dowling (1900-2300 UTC), Barry Clarke(2330-0400), Rob Hoskin(0400-0900), Suzanne Dowling(0910-1100), Barry Seeber(1100-1500) and Peter Cavanagh(1500-1900) Wonder if the Dowlings are married? Thanks again, David. (WS)

BOLIVIA...Member Al Quaglieri of NY sends in a schedule for Radio Santa Cruz on 6135v. Here are some of the weekday programs: 0900 OPEN, BUENOS DIAS BOLIVIA 0930 INFORMACRUZ 1010 EL MAESTRO EN CASA 1110 MUSICA Y TITULARES DE PRENSA 1130 DEDICATORIAS 1305 REVISTA FEMENINA 1430 NOVELA 1500 REVISTA MUSICAL---skip to 2230 MUSICA ORIENTAL 2300 INFORMACRUZ 2330 RELLENO MUSICAL 2340 EL MAESTRO EN CASA 0030 MUSICA VARIADA 0130 MUSICA DEL RECUERDO 0200 END. And on Sun 1100 MUSICA ORIENTAL 1200 ALGO PARA ESTE DOMINGO 1215 LA IGLESIA HOY(anything to do with Julio?-WS) 1245 MUSICA Y AVISOS 1300 MUSICA LATINOAMERICANA 1400 DE BARRIO EN BARRIO---skip to 1830 MUSICA Y DEPORTES 0000 MUSICA BAILABLE 0100 MUSICA DEL RECUERDO 0200 END.

CANADA...(Glenn Hauser in Review of International Broadcasting #98): "...Ian McFarland and Bob Cadman are now doing all the weekend programs for all services--and Ian sent this revised weekend sked which I re-arrange into time order: Sat 1800 CANADA A LA CARTE; 1900 NEWS & REVIEW OF THE WEEK, INNOVATION CANADA, THE SWL DIGEST; 2130 SWL DIGEST; 2300 NEWS & REVIEW OF THE WEEK, INNOVATION CANADA; Sun 0100(Latin America) NEWS & REVIEW OF THE WEEK, INNOVATION CANADA; (USA) CANADA A LA CARTE; 0400 COAST TO COAST; 1800 THE LISTENERS CORNER; 1900 THE LISTENERS CORNER; 2130 NEWS & REVIEW OF THE WEEK, INNOVATION CANADA; 2300 SWL DIGEST. Mon 0100(LA) THE LISTENERS CORNER(edited version) (USA) THE

CANADA(Con't)...LISTENERS CORNER; 0400 SWL DIGEST." Glenn adds that NEWS & REVIEW OF THE WEEK and INNOVATION CANADA can also be heard at 0000 on GMT Sat. Next month...the African Service weekdays.

CHINA(REF. OF)...The Voice of Free China in English to North America via WYFR 0200-0300 UTC on 5985 kHz: Daily NEWS & COMMENTARY for 15 minutes begins each transmission, followed by three feature programs, also of 15 minutes duration. Mon JOURNEY INTO CHINESE CULTURE, COUNTDOWN, LET'S LEARN CHINESE; Tue SPECTRUM, MODERN CHINESE MUSIC, LET'S LEARN CHINESE; Wed ISAAC'S SHOW, JADE BELLS & BAMBOO PIPES, LET'S LEARN CHINESE; Thu WORLD OF SCIENCE, STORY, LET'S LEARN CHINESE; Fri LIFE IN THE REPUBLIC OF CHINA, WORLD OF SCIENCE, LET'S LEARN CHINESE; Sat MANDARIN KITCHEN, TAIWAN ECONOMIC REPORT, LET'S LEARN CHINESE; Sun MAILBAG TIME, MAIN ROADS & BYWAYS, LET'S LEARN CHINESE. (Betsy Robinson, TN) Lily Liu hosts the enjoyable program MAILBAG TIME weekly over VOFC. (John Demmitt, PA) Next month--0300 UTC programs.

ECUADOR...HCJB is changing DX PARTY LINE to Europe on Sat from 2130 UTC to 0700 UTC. All other times for DX PARTY LINE remain the same. (Michael W. Scheel, IA) HCJB now broadcasts INSIGHT FOR LIVING 0030-0700 UTC Tue through Sat in its alternative English program (15250) for Americas. It replaces THRU THE BIBLE. (Donald McCants, AL) HCJB has replaced AMERICAN CHRISTIAN COUNTDOWN with CHRISTY and HERE'S HOW 0300-0330 UTC Sun. (David Sharp, FL)

GERMANY(FED. REP.)...Deutsche Welle broadcasts in English at 0100 and 0500 UTC to North America. Programs include(all days UTC time): Tue-Sat MICROPHONE ON EUROPE and GERMANY TODAY, followed by: The SCIENCE MAGAZINE Wed PEOPLE and PLACES Thu ARTS ON THE AIR Fri PEOPLE AND PLACES Sat SPOTLIGHT ON MODERN LIFE. Sun has FOCUS ON BONN, WEEKEND SPOT(including Mailbox, German Cities, etc.) and GERMAN LANGUAGE COURSE. Mon(UTC) has SUNDAY COMMENTARY, LETTER FROM BERLIN, SUNDAY FEATURE(including Music From Germany, Americans in Germany, German Beer). Of course, each broadcast begins with a NEWSCAST. (Thanks to Lyle Taylor, SD; David Claytor, MI; Giorgio Romanin, ITALY)

NETHERLANDS...Thanks to Greg Jordan, NC and Peggy Thompson, CA for sending Radio Netherlands schedules. Greg sent a copy of the March "Program News", a mimeo newsletter-type schedule. Apparently, RN issues this instead of the color pamphlet of recent years. Peggy sent a schedule for HAPPY STATION program. A new transmission to North America in addition to the regular 0230 and 0530 UTC transmissions is now being broadcast. It's the new 0130 UTC transmission on 9895 and 6020 kHz from the new Flevo transmitter site. Also, RN plans program changes soon. Mon-Sat NEWS AND NEWSLINE will be followed by: Mon MONDAY DOCUMENTARY Tue DUTCH CULTURAL MAGAZINE, DUTCH BY RADIO Wed REPORT Thu MEDIA NETWORK Fri REPORT Sat SHORTWAVE FEEDBACK. Sun has HAPPY STATION.

SWITZERLAND...Swiss Radio International plans to expand its Mon-Fri DATELINE program to Sat beginning this month. SWISS SHORTWAVE MERRY-GO-ROUND will be heard weekly for 10 minutes each Sat. THE GREAT SATURDAY GRAPEVINE will be heard twice monthly, on Sun(wonder if the program will keep the same name?). (Jeff Elson, MO)

UNITED KINGDOM...BBC World Service...(Steve Denton, KY): "DXers who have been logging African countries lately and would like to know a little more about them, would find some of the BBC's African programs very interesting. A team of reporters supply the programs with news about political, cultural and economic activities of the continent. Two good programs are FOCUS ON AFRICA, Mon-Fri 1515, 1615 and 1709 UTC and WHAT THE AFRICAN PAPERS SAY, Fri 1630 and 1730 UTC."

VENEZUELA...(Peter Dillon, DC): "Here are some of my favorite music stations for lively Latin tunes, ballads, etc.: 4780 La Voz de Carabobo, 4830 Radio Tachira, 4970 Radio Rumbos, 4980 Ecos del Torbes, 4990 Radio Barquisimeto, 6180 Radio Turismo. Tune in between 2200 and 0400 UTC to all these stations, except the latter, which is heard at 0900 UTC." (Edited by WS--more on Venezuela next month) Until then, 73 WS

# WORLD SERVICE STATION SKEDS

ÉMISSIONS

## PROGRAMMI

Editor:

TRASMISSIONI

BULLETIN DE PROGRAMMES

CHRIS LOBDELL

PROGRAMS

ENGLISH SERVICE

P.O. Box 146

SERVIZIO

PROGRAMME SCHEDULE

Stoneham, MA 02180

Deadline: 12th

COMUNICATI NEL CORSO

Hello fellow SPEEDYers! Welcome to the month of May. I hope all of you are enjoying the nice spring weather! As you read this, we will have recently entered into the J85 broadcasting period. This will run into the first Sunday in September. As usual, all times are in GMT/UTC and unless otherwise stated, schedules are for English programs.

**ALASKA.** KNLS—Anchor Point. The M85 schedule is in effect from May 5th to September 1st 1985.

|           |       |         |
|-----------|-------|---------|
| 0700-0930 | 11850 | English |
| 0930-1200 | 9685  | Russian |
| 1200-1500 | 9685  | Chinese |
| 1500-1730 | 7355  | Russian |
| 1730-2000 | 7355  | English |

(Direct)

**ALGERIA.** Radio-TV Algerienne. This schedule expired in March. Probably still current.

|           |       |               |
|-----------|-------|---------------|
| 2000-2030 | 9685  | Europe        |
|           | 15215 | South America |
|           | 17745 | Africa        |

(M. Witte)

**ARGENTINA.** RAE in Buenos Aires. This M85 English sked will expire on May 4th.

|           |       |               |
|-----------|-------|---------------|
| 0100-0200 | 9690  | North America |
|           | 11710 | "             |
| 0400-0500 | 9690  | "             |
|           | 11710 | "             |
| 1200-1300 | 15345 | North America |
| 1800-1900 | 15345 | Europe        |

(W. DeJong)

**AUSTRALIA.** Radio Australia M85 schedule. Although Radio Australia no longer beams programs to North America, these are the "best bets".

|           |       |            |
|-----------|-------|------------|
| 0200-0400 | 17795 | Shepparton |
| 0800-1400 | 9580  | "          |
| 2100-0100 | 17795 | "          |

(D. Claytor, Harada)

**BELGIUM.** BRT in Brussels. This schedule became effective on 3-31 and will expire on 9-28-85.

|           |       |               |     |
|-----------|-------|---------------|-----|
| 0030-0125 | 5910  | North America | (5) |
|           | 9925  | South America | (5) |
| 0800-0855 | 9880  | Far East/USA  | (1) |
|           | 17595 | Far East      | (3) |
| 0910-0930 | 9880  | Far East      | (3) |
|           | 17595 | "             | (3) |
|           | 9880  | North America | (3) |
| 1300-1355 | 15590 | North America | (2) |
|           | 21810 | Far East      | (2) |
| 1800-1820 | 15590 | Africa        | (4) |
|           | 5895  | Europe        | (4) |
| 1800-1855 | 5895  | Europe        | (2) |
| 2100-2155 | 5895  | Europe        | (5) |
|           | 11980 | Africa        | (5) |

NOTES: (1): Monday thru Friday

**BELGIUM—(CONTINUED).**

NOTES (2): Monday thru Saturday

(3): Saturday

(4): Sunday

(5): Daily

(R. Yajko, R. Zilmer)

**BRAZIL.** Radiobras (Radio Nacional do Brasil) Undated current schedule.

|           |       |                       |
|-----------|-------|-----------------------|
| 0200-0300 | 11745 | North/Central America |
| 1750-1850 | 11955 | Europe                |

(R. Fraser)

**CHINA** (Republic-Peoples); Radio Peking Inaugurated these trial transmissions to North America.

|           |       |            |
|-----------|-------|------------|
| 0000-0100 | 11970 | East Coast |
| 0100-0200 | 11970 | "          |
| 1200-1300 | 9535  | "          |
| 1400-1600 | 9550  | West Coast |
|           | 9730  | "          |

(R. Fraser)

**DENMARK.** Radio Denmark in Copenhagen has this M85 sked which expires on May 4th, 1985. Except for the opening station identification which is in English, the programming is in Danish.

|           |        |                  |                   |
|-----------|--------|------------------|-------------------|
| 0000-0052 | 5970   | (alternate 9730) | USA/Canada        |
| 1000-1052 | 17770  |                  | Australia/Asia    |
| 1100-1130 | 9730   |                  | Greenland/Pacific |
| 1200-1252 | 11960  |                  | Japan/Far East    |
| 1300-1352 | 15165  |                  | USA/Canada        |
| 1400-1452 | 11900  |                  | ME/Africa         |
| 1500-1552 | 15165  |                  | USA/Canada        |
| 1600-1652 | 17880  |                  | Europe/Africa     |
| 1730-1830 | 11970  |                  | Greenland/Pacific |
| 1900-1952 | 15165  |                  | Europe/Africa     |
| 2000-2052 | 11970  |                  | Europe/Africa     |
| 2100-2115 | 11970* |                  | Greenland/Pacific |
| 2130-2145 | 11970* |                  | Africa/Europe     |
| 2200-2252 | 11805  |                  | S. America        |
| 2300-2352 | 6195   | (alt. 9730)      | USA/Canada        |

\* = relaying the Danish home service from Monday thru Friday, Saturday and Sunday from 2100-2152 on 11970 to Greenland/Pacific (W. De Jong)

**EGYPT.** Radio Cairo has this North American Service schedule valid until June.

|           |            |
|-----------|------------|
| 0200-0330 | 9475, 9675 |
|-----------|------------|

(R. Adams)

HUNGARY. Radio Budapest. This North American service schedule is valid until March.

0200-0230 6025, 6110, 9520, 9585, 9835,  
12000  
0300-0330 6025, 6110, 9520, 9585, 9835,  
12000  
0400-0415 6025, 6110, 9520, 9585, 9835,  
12000 (this is their DX program  
on Wednesday/Saturday).

(E. Soomre)

IRAQ. Radio Baghdad now broadcasts to Europe in Arabic:

1400-2300 6190, 11770  
(G. Romanin)

JAPAN. Radio Japan. This J85 North American Service schedule goes into effect on June 11th.

0015-0115 11710 Eastern N. America  
0200-0300 15195 America/Hawaii  
17825 " "  
21610 " "  
21640 " "

(K. Yamada)

NETHERLANDS. Radio Nederland. This summer schedule went into effect on March 31st to September 28th, 1985.

0130-0225 6020 Flevo Eastern USA  
9895 " "  
0230-0325 6165 Bonaire East/Central USA  
9590 " "  
0430-0525 9895 Flevo Middle East  
11720 " "  
0530-0625 6165 Bonaire Western USA  
9715 " "  
0630-0655 9895 Flevo Western Africa  
11930 " "  
0730-0825 9630 Bonaire Australia/NZ  
9715 " "  
0830-0855W 9715 " Australia  
0830-0925 21485 Madagascar Asia/Middle East  
1030-1125 6020 Bonaire Australia,  
Caribbean,  
Surinam

9650 " "  
1130-1225 5955 Flevo Europe/ME  
9715 " "  
17605 " "  
15560 " Asia  
17575 Madagascar " "  
21480 " " "  
1430-1525 11740 " " "  
15560 Flevo " "  
17575 Madagascar " "  
17605 Flevo " "  
5955 " Europe  
1630-1725 6020 Madagascar East Africa  
9515 " " "  
1830-1925 17605 Bonaire Africa  
21685 " " "  
6020 Madagascar " "  
9540 " " "  
6020 Flevo Europe  
2030-2125 9540 Madagascar Africa  
9715 " " "  
11730 Flevo " "  
11740 " " "

W = Not Sunday

Flevo = Netherlands

Bonaire = Netherlands Antilles

Madagascar = Africa

(R. Adams, W. DeJong, R. Fraser, R. Kaessinger)

NORWAY. Radio Norway in Oslo. J85 sked is valid until August 31st: The English program "Norway Today" is only heard on Sunday (\* = Monday GMT)

0400-0430\* 9645 Western North America  
11870 Middle East  
15180 Middle East, East Africa  
0500-0530\* 15165 Middle East  
15180 Middle East/East Africa  
1000-1030 15180 Far East/New Zealand  
17740 Australia  
11860 Europe/West Africa  
15235 " "  
1300-1330 6040 Europe  
9590 " "  
17770 Middle East/East Africa  
21730 Africa  
15305 America  
1400-1430 15225 South Asia  
15300 Australia  
15305 North America  
1600-1630 11925 South Asia  
15305 India  
17840 Middle East  
1700-1730 11925 Europe/Africa  
15305 South America  
17850 West Africa  
1900-1930 11860 Europe  
15205 Far East/New Zealand  
15305 ECNA/Central America  
2000-2030 6030 Europe  
15265 South America  
15305 ECNA/Central America  
17830 South America  
2200-2230 11925 South/Central America  
15180 South America  
0000-0030 9605 South America  
9580 ECNA/Central America

(Direct)

POLAND. Radio Polonia in Warsaw. North American sked valid thru May 1985.

0200-0300 6095, 6135, 7145, 7270, 9525,  
11815, 15120  
0300-0355 same

(B. Chituck, W. Muzyka, T. Sable, E. Soomre)  
(R. Adams, R. Reinecker, R. Fraser)

SWEDEN. Radio Sweden International. J85 North American schedule.

0230-0300 9695, 11705  
1400-1430 15345  
2300-2330 9695, 11705  
(R. Zilmer)

USSR. Radio Vilnius. This sked was current as of April 8th.

2130-2158 6100 Europe  
2200-2228 9685, 9880, 9610, 15180, 15240,  
15405, 17860 to North America

(G. Jordan)

Note: Radio Vilnius uses the transmitter facilities of Radio Moscow, located throughout the USSR.

UZECK SSR. Radio Tashkent has this sked current as of April 8th.

1200-1228 7340, 9650, 9715, 11785, 15115  
1330-1358 same as above.  
(G. Jordan)

Till next month, 73 and God Bless,





# WESTERN HEMISPHERE

**EDITOR: John Cereghin, WDX3IAO**  
**P.O. Box 119**  
**Charlestown, MD 21914**

**DEADLINE: 12th**  
**TIMES: UTC**  
**FREQUENCIES: kHz**

You'll notice this month that I have my old address back up top again, meaning that I am moving once again. Now before you stick pins in your WH Editor dolls, I hope that this will be my last move for quite a while. I hope you all know that the only reason I am in Washington is to take courses at the University of Maryland, otherwise, I'd be back home in Charlestown. After much thought, I've decided to transfer to Towson State University outside Baltimore. If I'm accepted, I'll be able to stay at Charlestown fulltime.

Although I'll be out of the Washington area, I'll still be active in the yet-to-form local SPEEDX chapter. So far, I've gotten two replies to my call to get in touch with me so we can start to get stated. Thanks to Bernie Wimmers and Peter Dillon for taking in active interest in our new undertaking. Where are the rest of you? Remember, our local chapter should consist of members in Maryland/Delaware/DC/Northern Virginia. If you live in this area, get in touch with me so I can get your name on file.

I recently got a letter from the one and only Andy Sennitt of the World Radio TV Handbook out in Denmark, commenting on my comments of a few months ago (p. 21, March SPEEDX) about the apparent exclusion of listings for CKZU, Vancouver, British Columbia on 6160, and KCBI. Andy sez "refer to the bottom of page 252, left column, where CKZU is listed in the same way it's always been". So it is! I was looking at page 256, where 5 of the relay stations are listed. I didn't realize at the time that the CBC-owned relays (of which CKZU is one) are on page 252, while the private ones are on page 256. Score one big fat "oops" for me! Concerning KCBI's exclusion, Andy says "we received no response to a questionnaire we sent to them when we compiling the US stations section." Fair enough then!

Carl Huffaker sends us this: "The Japanese 'Radio Nuevo Mundo' has an interesting section, the canned identification tapes. They...are mostly s/on tapes. It might be an idea to start a list of canned ID tapes and s/offers for...the evening transmissions." Carl brings up a good point..Just like here in the States, Latin stations use taped s/on and s/off announcements, so if you tuned in at either the beginning or ending of a broadcast every day, you should be hearing the same thing.

I'll start the loggings now, so remember if no language was designated in a report, the station was in Spanish (Portuguese for Brazilian stations).....

**A N T A R C T I C A...**I got two reports of Antarctic stations this month. I should remind everyone that ALL REPORTS OF ANTARCTIC STATIONS GO TO BOB THUNBERG! Antarctica is usually classified as part of Oceania, so that's where reports should go. I'll print these this month only because I couldn't forward them to Bob before deadline.

6012 0610 AFAN, tent. possibly the station w/carrier first noted 3/10 at 0610 and gradually improving signal w/bits of audio. Only US pops noted, no tx, PSAs, etc. On 3/22, noted US pops from 0653-0807 without any break in mx. except slight pause (5 secs or so) between selections. Automated? (343 3/23 Hardester CA)

15424 0030 R. Nacional Arcangel, SS/EE, EE ID "R. Arcangel", tx in SS, mx recording ending in "Taps" before 0047\* (222 3/13 Carlson WA)

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

6165 0400 SS, ID "Esta es la BBC de London", wld nx (433 3/23 Dillon MD)  
6175 0012 EE, "News About Britian", QRM de CBC (524 3/20 Chituck MD)  
0155 EE, "Letterbox", wld nx, press review (444 3/9 Dillon MD)



CANADA...continued...BBC Relay

5965 1250 EE, sx rpt, ID, wld nx, "24 Hours" (454 3/9 Dillon MD)  
Canadian Broadcasting Corp.  
 6065 1253 EE, "Good Morning, Quebec" (454 3/9 Bingham MA)  
 6195 0230 EE, "As It Happens", tx abt new law in Switzerland prohibiting possession of human flesh (I guess everyone is guilty of breaking that law, hi! jc) (544 3/23 Dillon MD):0035 (3/20 Chituck MD)  
 6160 0800 EE, nx abt police manhunt in India for killer of Soviet Diplomat (241 3/22 Bowden CA)(out of order, yeah. That's what happens when the report is not on the standard-sized report form; sometimes they get misplaced or forgotten jc)  
 9535 0100 EE, tx abt upcoming economic development and renewal conference in Ottawa (343 3/22 Bowden CA)  
 9625 0200 FF, "la musique de norte folklore", into nx. Some jamming (433 3/18 Wood HI):2015, EE (433 3/10 Dillon MD)(555 3/17 Wimmers VA)  
 11720 1520 EE, "Sunday Morning" (444 3/31 Marcie NJ):2336, EE (3/24 Chituck MD):2045 FF (434 3/9 Dillon MD)(222 3/22 Quaglieri NY)

R. Canada Inter.

9755 0030 EE, "As It Happens" (444 3/19 Langlois GA)  
 2232 FF, wld nx (444 3/16 Stephenson CA)  
 2315 EE, "SWLD" (444 3/17 Wimmers VA)  
 11710 2315 EE, "SWLD" poor sig, //9755 (232 3/17 Soomre MA)(444 3/31 Marcie NJ)+1  
 11935 1657 RR, tx, ID "Govrit Canada", IS, 1700\* (252 3/19 Trotto FL)  
 11940 2359 FF, IS, ID, SS at 0001, QRM (3/24 Chituck MD)  
 15190 \*0100 EE, IS, nx, new service to Latin America, not //9755 also in EE then. Good only till splashy R. Japan-15195 s/on 0110 (533 3/20 Wood HI)  
 15325 \*1900 EE, IS, ID, freq sked, Canadian/wld nx, review of Canadian nx for the week (232 3/23 Hevern NY)(555 3/23 Allen CA)  
 17820 2145 EE, "SWLD" (544 3/9 Valentine CA)

C H I L E

9630 1043 R. Agricultura, short feature "Panorana Economica" (sounds thrilling, hi! jc), many amnts and ads aimed at farmers (well, this is a farming station, hence the name jc), frequent IDs, little mx (344 3/11 Quaglieri NY)  
 15140 0245 R. Nacional, FLASH! Earthquake px, details of intensity, asking people to remain calm. Reports that earthquake was felt in Argentina also, many cities had power out. Earthquake happened at 2157 local (0157 GMT)(so Chile was at GMT-4 at this time of year jc). Interview w/Minister- "Everything's normal" (?). Giving reports of intensity of quake in areas: Valpariso-5 to 6, Concepcion-3, Linares-5 to 6, into "Noticiero Nacional de Chile" (544 4/8 Mendez NJ)(good for you Luis! How many others of you listened to the earthquake info first-hand? jc):1950 (333 3/27 Witte CA)+2

C L A N D E S T I N E

5555 0448 R. Quince de Septiembre, excited anti-Sandanista tx, ID w/freqs of other stations. This is their new transmitter (444 3/19 Huffaker MEX):0501 (233 3/17 Goodman IA):2347\* (333 3/6 Fernando NY)  
 5590 0428 R. 15 de Sept., extremely high-spirited tx w/anti-Nicaraguan propaganda. Also hrd 5555, 5570, 5580 on other nights (454 3/26 Rocker MS)  
 6553 0245 R. Venceremos, martial mx, tx abt El Salvador, ID, ments of Gorbachev and Reagan (343 3/17 Dillon MD)(this station may be less active in the future, because an important rebel leader was killed a few weeks back. It was the same guy behind this station jc)  
 9445 0003 UNID, SS, badly distorted xmsn, almost buried by spill de Kol Israel on 9440 plus (even more) what I can only designate as growl, sounding like flying sparks. This is not the first time (3/16 Munster GA)  
 9940 2115 LV del CID, lots of US rock and EZL mx, ID, strong sig (555 3/23 Denton KY) (333 3/15 Abbinante IL)

C O L O M B I A

4785 0505 Ondas del Meta, many "Super" only IDs, OdM ID at 0507 (434 3/17 Huffaker MEX)(I hope you mean 4885 Carl! Ecos del Combeima is here, Meta is on 4885 jc)  
 4845 0424 R. Bucaramanga, classical mx, ment of Colombia and RB, presumed NA and 0434\* (232 3/9 Dillon MD)  
 4865 0120 LV de Cinaruco, both Cinaruco and CARACOL IDs, lively Latin mx, DJ, TC, heavy UFE QRM (322 3/17 Dillon MD):0010 (433 4/7 Prath FL)(252 3/26 D'Angelo PA):0839 (444 3/18 Huffaker MEX)  
 4876 0630 R. Super, ID, promo, ads, mx (434 3/10 Rocker MS):0135 (333 3/17 Dillon MD)  
 4885 0934 Ondas del Meta, ID "...en Ondas de Meta" (343 3/25 Huffaker MEX):0555 (455 3/17 Rocker MS)(333 3/17 Dillon MD) IL  
 4915 0220 Armonias del Caqueta, Latin mx, ads, possible IDs hrd (322 3/16 Abbinante  
 4945 0322 R. Colosal, CARACOL IDs, fast tx, mx, TPs at 0330, at this point ran // to 4865 (LV de Cinaruco? jc) w/ads, brief nx summary (353 3/26 D'Angelo PA) 0045 (433 3/9 Dillon MD):4950 (? should be 4945 jc) Mendez NJ)+1

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

5040 0328 R. Cinco, looking for Sudan, found this one instead. Distorted sig made the station sound like it was in sideband. Px was usual Latin stuff. LV de Upano was not on, confirming that they sign-off around 0130-0200 (pr 4/10 Cereghin MD)(333 3/17 Dillon MD)

5095 0210 R. Sutatenza, tx, some Latin mx. Usual CW QRM, TC/ID at 0230, ments of Bogota (322 3/16 Abbinante, IL):0600 (534 3/17 Rocker MS)(434 3/5 Hunt NC)+2

5955 1113 LV de Centauros, nx, ID "Esta es La Voz de Centauros" (242 3/9 Welch MA)

5975 1058 R. Macarena, clear ID "R. Macarena", also gave freq. in use for MW and SW outlet. QRM de BBC and R. Beijing (232 3/24 Welch MA)

6026 0635 Ecos del Combeima, full ID at 0700 (333 3/17 Huffaker MEX)

6117.7 1300 LV del Llano, variety of mx, tx, promos, IDs, "Musica en domingo" (343 3/17 Prath FL)

6120 0555 R. Super, ID "R. Super, LV de Cali" (333 3/19 Huffaker MEX)

9635 1300 R. Nacional, full ID "Desde Bogota, transmite Radiodifusora Nacional de Colombia", into nice EZL mx (554 3/24 Prath FL)

C O S T A R I C A

4832 0605 R. Reloj, usual LA pops, "Escuche a las emisoras de Radio Reloj, Costa Rica" ID, many TCs, EE promo for "Correo Internacional" (323 3/31 Schmutz NY)+5

4850 0000 R. Columbia, ID, sx nx, mx, "Bano Popular" ad (545 3/27 Robinson TN):1231 (343 3/9 Dillon MD)(333 4/5 Mendez NJ)

5055 0345 Faro del Caribe, EE/SS, good sig. R. Catolica, which usually QRMs this one was off 0330. EE relg/Bible reading. End EE segment w/call, freq, aked. Into SS relg 0400. Could hear TWR-Swaziland IS underneath from 0355 (4/4 Palmer WA):0405, SS (322 4/8 Mendez NJ)

6008 0715 R. Reloj, "Correo Internacional", px of letters (444 3/10 Huffaker MEX):6006, 1035 (353 3/10 Welch MA)

6150 \*1202 R. Impacto, s/on w/NA, full ID, into mx. QRMed VLR6 when they came on (343 3/31 Welch MA)

6175 1145 Faro del Caribe, SS version of "Hour of Decision", ID at 1200 (242 3/17 Welch MA)://5055, 9645 (343 4/7 Prath FL)

C U B A

5025 2215 R. Rebelde, YL/OM DJs w/Latin mx, ment of Habanna, apparent nx by OM, canned ID, TC (333 3/22 Dillon MD):1231 (454 3/21 Thompson NM)

6090 0430 R. Habanna Cuba, EE, mx from all over Latin America, quite good, ID, into "Socialism in the World" (434 3/23 Dillon MD)

6140 0430 RHC, EE, nx, "Information Package" (contained UN rpt and cmnty)(444 3/16 Johnson NY):0120 (544 3/11 Hunt NC):0245 (444 3/10 Langlois GA)+1

6230a 0130 RHC, EE, ending "The Cuban Story", req. for px comments (well, they asked for it, I'm sure they'll get it, hi! jc). Also noted past 0415 (vg 4/1 Sheedy CA)

15230 2045 RHC, FF, jazz mx (233 3/24 Alexander NJ)

15270 1759\* RHC, EE, just out of the mud w/req. for listener's letters. ID, ID and gone, just able to get bits of this. NF? (pr 3/18 Sheedy CA)

15300 2300 RHC, SS, mx, long speech (3/17 Chituck MD)

17705 2313 RHC, 'SS, Nicaraguan hype. This is the defective xmtr that can be found elsewhere at other times, filling whatever band its in w/strong spurs (555 3/22 Quaglieri NY)

17880 2120 RHC, EE, "Mailbag", "World of Stamps" (444 3/31 Marcie NJ)

D O M I N I C A N R E P...R.Earth via R. Clarin

11700 2200 EE, ID, sked, LA mx, into SS (333 3/17 Schlick WI)

E C U A D O R

3280 1002 LV del Napo, s/on amnt over mx, then dedications and saludos (343 3/18 Huffaker MEX)

3315 1110 R. Pastaza, s/on amnt after mx (343 3/20 Huffaker MEX)

3381 1035 R. Iris, int'l nx (w/EE tapes of Reagan), ID and into amnts for sindicados (444 3/18 Huffaker MEX)

3395 1008 R. Zaracay, a long, long, long song-over 10 minutes-about Quito, then mx, ID, and TCs at 1019 (343 3/25 Huffaker MEX):0235 (343 3/10 Dillon MD)

4792 0430 Emisorà Atalaya, mx, hvy QRN/QSB, Peruvian w/EE mx, ad for Banco del Pacifico, TC/ID (222 4/8 Mendez NJ):0542 (444 3/10 Huffaker MEX)+1

4795 0211 LV de los Caras, Latin pops, TCs, ment of Caraquez, battered by UTE QRM, inaudible by 0232, so no clear ID (222 3/9 Dillon MD)(Huffaker MEX)

4801 0812 R. Popular de Cuenca, TC, taped promo, "Desde Cuenca, en la republica del Ecuador, transmite...mas symfonia...Radio Popular Independiente...". typical mx (333 3/24 Quaglieri NY):0620 (323.3/17 Rocker MS)

4870 0118 R. Rio Amazonas, usual relg px, ID "transmite Radio Rio Amazonas" (333 3/22 Huffaker MEX)

4890 1127 R. Centinela de Sur, local nx w/tapes, full ID (444 3/9 Huffaker MEX)

E C U A D O R...continued

- 4910 0310 Emisora Gran Columbia, nx, very fast tx, LA mx, ad for wine (444 4/7 Weikel MI):RCN IDs (444 3/21 Huffaker MEX):0305, px "El Tropica de Hora" (I may not remember much of my high-school Spanish, but why isn't that La Tropical de Hora? After all, aren't both 'Tropical' and 'Hora' both feminine in gender? jc)(343 3/19 Abbinante IL)(444 3/29 Dillaman OH)(333 4/6 Mendez NJ)
- 4920 0033 R. Quito, ID as "R. Quito, La Voz de la Capital", ad for banco Popular. EZL-dentist-office type mx follows (I think the technical name for this musical genre is 'elevator mx', hi! jc)(433 3/9 Drollinger WI)+5
- 4990 0435 R. Bahai de Ecuador, nonstop mx, ID. "de Ecuador" used consistantly as part of the name (444 3/18 Huffaker MEX)
- 5050 1008 R. Jesus del Gran Poder, anthem-like mx, relig tx, ID as both 'R. Salud' and 'RJdGP', very strong this morning (343 3/24 Hevern NY)(132 3/23 Weikel MI) 0054 (333 3/22 Huffaker MEX)

HCJB

- 3220 0958 Quechua, Bible variety px, ID, into HC mx, was looking for some Papua New Guinea stations (333 4/9 Dampier NY):0400 (323 3/23 Desrosiers MA)+2
- 6095 0240 EE, "DXPL", //9745 (555)(433 3/16 Abbinante IL)
- 0405 EE, "Music in the Night", "Happiness Is", //6140 to 0445, also //9745 (454 3/9 Neuverth CO)(433 3/23 Dillon MD)
- 6130 1000 EE, "Passport" (353 3/20 Welch MA)
- 6250 0459 RR, relig px (3/17 Chituck MD)
- 9745 0100 EE, "What in the World", "Musica del Ecuador" (443 3/17 Fraser MA)+2
- 0200 EE, "Unshackled", "DXPL" (333 3/25 McKinney PA)(433 3/5 Marcie NJ)
- 0330 EE, tx abt social drinking (343 3/12 Miller CA)
- 0400 EE, "The Hour of Freedom" (444 3/31 Wallenhorst OH)
- 0530 EE, "Passport", //11910, 6095 (555 3/9 Neuverth CO)
- 0633 EE, "DXPL" (444 3/10 Wallenhorst OH)
- 15155 0035 EE, "Guidelines for Family Living" (545 3/18 Wallenhorst OH)
- 0140 EE, Ecuadorian mx (333 3/20 Addison KS) MS)
- 15250 2300 GG, EE ID @2300, into GG px, awesome sig! Meter read S9+40 (555 3/10 Rocker
- 15295 2130 EE, "DXPL" (353 3/18 Kaessinger FRG):2100, GG (243 3/24 Alexander NJ)
- 17890 1436 EE, "Thru the Bible" (444 3/12 May OH)
- 1530\* EE, "Shalom", nx summary (333 3/7 Bingham MA)

F A L K L A N D I S...FIBS

- 3958 \*0900 EE, begins w/mx and OM saying "Good Morning", followed by ID, freqs, and wld nx. Wx at 0907, then nx headlines again, into pop mx show. Heard almost everyday since Feb 20, never know this stn is so easy to hear here! Guess they've received tons of reports by now! Fortunately, ARO here aren't allowed to use around this freq (242 Miyuchi JP)(222 3/16 Trotto FL):\*0900, BBC World News relay (333 4/9 Dampier NY):tent (142 3/31 Soomre MA):0528\* (322 3/13 Carlson WA)

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

- 6055 \*0500 SS, new tx to Western Latin America, 0500-0600, nx, //9800. 6055 is a new freq, and from strenght sounds like Guiana (555 3/22 Wood HI):0449, EE (544 3/13 May OH)
- 6175 \*1000 SS, IS, nx, into FF vocals (353 4/1 Welch MA)
- 9790 2153 FF, sounded like two men doing an interview (444 3/17 Stephenson CA):1106 FF (444 3/23 Trotto FL)
- 9800 0315 EE, wld nx, nx from French newspapers, into FF @0330 (444 3/25 Soomre MA)+1
- 11670 1500 FF, ID, nx, tx (333 3/31 Weikel MI)
- 15200 2250 PP/SS, exc lvl, but hyv QSB. PP px to Brazil to 2300, SS from 2300. Several IDs:"R. Francia Internacional desde la ciudad de Paris". The SS px seemed to have a listener's letterbox px (3/17 Palmer WA)(555 3/8 Rocker MS)

G R E E N L A N D...Kalaallit Nuntaa R. (I hope I spelled it right! jc)

- 3999E 0957 Greenlandic, celeste IS to 1002, then possible ID, but too much ham splatter lightning crashes to make sure. Reception probably won't improve much. Did note a definite carrier when I switched over to SSB. Also definite nx by OM w/ment of Denmark (Denmark)(222 4/9 Dampier NY)(nice job jc)

G U A T E M A L A

- 3300 0310 R. Cultural, EE, "Back to the Bible" (444 3/5 Hunt NC):EE ID as TGNA (433 3/10 Drollinger WI)(343 3/12 D'Angelo PA):0155, SS (322 3/19 Abbinante IL) (554 3/13 Hesch NJ)
- 3360 0030 LV de Nahuala, pop mx vocals, tx, ID, QRM (333 3/17 Prath FL)
- 3370 0105 R. Tezulutlan, local folk mx, marimba mx, tx, ID (322 3/10 Prath FL)
- 3380 0145 R. Chortis, some tx, mx. QRM a problem at times, low audio sig noticed, unable to get ID (222 3/19 Abbinante IL)(444 3/18 Thompson NM)
- 4825 1100 R. Mam, tx, ments of various "casas", ID (333 3/23 Weikel MI)



G U Y A N A...Guyana BC

5950 1002 EE, nx, followed by "Sunday Sounds" px, w/EZL mx. 1023-death notices, announced on radio due to a lack of newspapers (353 3/17 Welch MA):0830 (333 3/9 Rocker MS)

H A I T I...4VEH

4930 0030 FF, relg mx, listing of people who have written to station between selections (434 3/9 Dillon MD)

H O N D U R A S

3250 0359 R. Luz y Vida, mx til 0452, ID w/mailling QTH, 0404\* (322 3/18 Drollinger WI)  
 4820 0355 LV Evangelica, really battling it out w/R. Botswana and their farm-show IS, w/Evangelica winning for a change.;usual relg px (fr 4/10 Cereghin MD)  
 0315, EE (322 4/8 Schmautz NY):0150, SS (454.4/3 Thompson NM)+2  
 4910 1114 LV de la Mosquitia, LA mx, ID, opera mx (242 3/26 Weikel MI)  
 6075.7 1235 LV del Junco, pop mx, ID, short anti-Sandinista tx btwn songs (444 3/10 Prath FL)

M E X I C O

6115 2230 R. Univ. de Sonora, a few amnts, classical mx px (454 3/18 Thompson NM)  
 6165 1150 LV de la America Latina, clear ID for XEWW, and LVdIAL, gong for time check, fade-out at 1210 (232 3/23 Welch MA) MEX  
 6185 1930 R. Educacion, back on the air, //1060, ancing both freqs (343 3/21 Huffaker)  
 9680 0332 La Q de Mexico, ads for Mexico City businesses, sports cmnty by Arturo Rivera on Mexican national soccer team, IDs, promo for px "Ejercicarse es salud..." noted almost all day here (1415, 2215 spot checks), on 9680.3 or so (gd 3/6 Sheedy CA):1729 (233 3/21 Trotto FL)  
 15177v 2205 LV de la America Latina, nx of Pemex corporation (444 3/25 Wood HI)

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

6165 0245 EE, "The Friday Report", plug for "Dutch by Radio", end of EE px @0325 (534 3/23 Dillon MD)  
 9590 0235 EE, discussing US/USSR nuclear 'strike capabilities' (555 3/9 Hunt NC)+1  
 0312 EE, "Mixed Marriages, 0325\* (545 3/26 Schlick WI)  
 9715 0810 EE, "Shortwave Feedback", 0825\* (343 3/30 Unruh HI)  
 21685 1828 FF, IS, ID "Ici R. Nederland" (353 3/28 Quaglieri NY)  
 Trans World R.  
 9535 0723 EE, "Unshackled", 0730\* (455 3/9 Schlick WI)  
 11815 1136 EE, "Hour of Decision" (555 3/10 May OH)(141 3/7 Bowden CA)  
 1230 EE, "Radio Bible Class" (444 3/17 Marcie NJ)  
 11895 0533 SS, relg mx, ID "R. Trans Mundial" (455 3/12 Rocker MS)

N I C A R A G U A

6015 0450 VONicaragua, EE, daily EE bcst, pop mx, followed by wld nx (555 3/24 Rocker MS):0140, EE (454 3/29 Thompson NM)(322 3/31 Dampier NY)+1  
 6120.6 1310 R. Zinica, EE, relg tx til 1330, ID in EE/SS, into LA mx (444 3/10 Prath FL)  
 6200 0758 LV de Nicaragua, domestic px, ID (242 3/10 Huffaker MEX)

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

9735 2330 SS, on w/RCI s/off at 2330, ID, vocals, strongest ever hrd here (444 4/7 Dillaman OH):0130 (433 3/16 Thompson CA)(433 3/25 Weikel MI)

P E R U

3310 1003 R. Bagua, ID "TC en R. Bagua" (what's the TC stand for Carl? jc)(333 3/18 Huffaker MEX)  
 3330 1110 Ondas de Huallaga?, andean mx, TCs, but no definate ID readable (all thru CHU)(322 3/18 Huffaker MEX)  
 4762 0845 R. Inca del Peru, very long, complicated ID w/mx backround w/no less than five references to R. Inca (444 3/25 Huffaker MEX)  
 4790 0353 R. Atlantida, ID btwn nx and mx px (343 3/22 Huffaker MEX)  
 4810 0927 R. San Martin, little mx w/long dedications to students in Tarapoto Dept. (who evidently got up early), TCs (343 3/20 Huffaker MEX)  
 4825 1000 LV de la Selva, full ID and slogan "la gran familia radio" (434 3/25 Huffaker)  
 4885 1105 R. Huancavelica, political px for Partido Acion Popular (343 3/9 Huffaker MEX)  
 4935 0924 R. Tropical, song or PSA abt Peru en camina (which they play frequently), then ID (444 3/25 Huffaker MEX)  
 4955 1102 R. Cultural Amanta, full ID, into relg px (333 3/25 Huffaker MEX)  
 4990 0913 R. Ancash, OA mx w/many dedications, the only ID I hrd today was "R. Ancash, La Voz de los Andes" (444 3/25 Huffaker MEX)  
 4996 0910 R. Andina, ads, TC, ID, then usual mountain mx (444 3/25 Huffaker MEX)  
 5010 0826 R. Eco, px "Saludos Campasinos", TCs every minute, all of which were UTC-4 hours plus 10 minutes (that's odd. Was their clock just ten minutes fast, or do they observe that time? jc)(232 3/20 Huffaker MEX)  
 5274 0050 R. San Juan de Chota, LA ballads, tx, full ID)(333 3/18 Trotto FL)  
 5970 \*0958 R. El Sol, march mx, s/on amnt, into lively vocal mx, ID btwn each selection and some ads, fade out by 1030 (252 4/3 Welch MA)

PERU...continued

6055 1058 R. Continental, tx, ads, time tones at 1100, ID, into nx (332 3/15 Trotto FL)  
 6115 1018 R. Union, local mx, ID, "Atencion!...Union la radio..."(232 3/1 Miyauchi JP)  
 6175 0810 R. Tawantinsuyo, SS/Quechua, "Songs and legends of our land" morning show,  
 TCs in DST (UTC-4 not mentioned in WRTH-85), //1200 also hrd (444 3/25 Wood  
 HI)  
 8925t 0320 R. Continente, tent, upbeat LA vocals, occasional amnts, but no ID, but a few  
 ments of Juanjui. Caught something like IDs, but poor sig made copying the  
 ID text tough, but they were not IDing as R. Contiente. Prehaps (hopefully)  
 just a program name beginning with "Radio M...". Downright lousy sig w/loads  
 of QRN (pr 4/9 Cereghin MD)

P I R A T E S

1616 0645 VOTomorrow, EE, telephone conversation, ID, long tx until 0720\* w/barking and  
 howling dogs (211 3/10 Rocker MS)  
 7404 2118 74 WKUE, EE, 60's oldies, ID, QTH, asked for reports to Hilo address, 2126\*  
 (433 3/17 Trotto FL)  
 7420 0053 KROK, EE, oldies mx, gave Moorehead MN QTH, 4-note IS at \*0105, deep fades  
 (353 3/10 Fraser MA);7422, 0052 (444 3/9 Fleischaker KY)

U N I T E D S T A T E S . . . A F R T S

6030 0200 EE, ID, nx (444 3/28 Moll MI)  
 1114 EE, wld nx, US wx (555 4/9 Allen CA)  
 1240 EE, ABC nx, ID, sudden 1300\* (454 3/17 Dillon MD)  
 1340 EE, ABC nx (343 3/16 Miller CA)  
 11730nf 0525 EE, via Delano, new freq, //11790 Bethany, "Sports Page"(455 3/12 Rocker MS)

BBC Relay

11820 0138 SS, Beatles mx (455 3/24 Chituck MD)

KGEI

5980 1325 RR, relg mx, ID "Radio KGEI en San Fransiska California", tx (333 3/10  
 dillon MD)  
 6120 1000 EE/RR, ID, QTH, into RR px (444 3/10 Welch MA)  
 1130 JJ, ID, "Voice of Friendship, KGEI", tx, wx (333 3/15 Trotto FL)  
 7365 0530\* RR, weak sig, usually runs 50-60db over S9 here when beamed toward Asia. Relg  
 tx, RR choral Christian mx, ID and write-in address in 'San Fransiska' (3/28  
 Palmer WA)  
 9615 0330 SS, ID "Esta es KGEI, San Francisco California", into "Themas Biblico" (444  
 4/8 Schmutz NY)

United Nations R.

0930 SS, soft SS ballads, full ID, nx (353 3/15 Trotto FL) HI)  
 9565 \*0930 JJ/CC/EE, nx in JJ, 0945 nx in CC, 1000 EE "UN Calling Asia" (544 3/30 Unruh  
 11825 0820 EE, to Africa via Greenville, nx of UN happenings, "UN Africa" at 0830.  
 //11740 also via Greenville (243 3/16 Rocker MS)  
 15120 \*1900 EE, ID, "UN Africa" (343 3/19 Trotto FL);(544 3/29 Valentine CA)  
 2220 EE, "Caribbean Echo", "Caribbean Magazine"(454 3/8 Gerstner NY)  
 17730 2110 EE, "Caribbean Magazine" (444 3/15 Wallenhorst OH)  
 21710 1600 EE, nx, "Only One World" (444 3/25 Marcie NJ)

Voice of America

6000 0136 EE, wld nx (534 3/28 Moll MI)(new freq? not in the WRTH jc)  
 6040 1340 SS, noticias, TC, ID, Yankee Doodle, ID, 1400\*(343 3/17 Dillon MD)  
 6190 0025 SS, IS, ID (555 3/20 Chituck MD)  
 0120 SS, ID, nx (444 3/21 Trotto FL)  
 9455 0157 EE, "Spotlight", wld nx at 0200 (fr 3/17 Beaver IN)  
 11950 0130 SS, tx abt Reagan's Central America peace proposal (444 4/5 Mendez NJ)

Voice of the OAS

6015 0200 SS, noted w/tx on Korea and Taiwan, plus death of DEA Agent Camarena. Frequent  
 ments of LV de OAS. Have yet to hear definite ID. Can't help but wonder if  
 OAS showing here w/LV de Nicaragua on 6018v is a coincidence (I think it  
 is. After all, isn't Nicaragua a member of the OAS? I think so, jc)(433  
 3/10 Harvester CA)  
 9565 2345 SS, \*2345, ID "La Voz de OEA", always an overpowering sig, //11830 (555),  
 15160 (444)(555 3/12 Rocker MS)

WRNO

7355 0020 EE, CBS nx, rock mx, ID, tx abt measles outbreak (444 3/15 Bingham MA)  
 0237 EE, "World of Radio" (444 3/10 May OH)(544 4/6 Mendez NJ)  
 9715 1405 EE, gave frequencies (555 3/24 Hunt NC)  
 15420 2033 EE, "The Chaple Hour" (555 3/17 Chituck MD)  
 2105 EE, relg tx and mx (343 3/24 Alexander NJ)

WYFR

5980 0300 VOFree China Relay, EE, "Let's Learn Chinese" (544 3/14 McKinney PA)  
 0840 VOFC Relay, CC, Amazing Grace in CC, EE ID @0859, 0900\*(554 3/30 Unruh HI)  
 9680 0700 EE, "Echos", ID (443 3/30 Taylor SD)  
 21615 1629 EE, "Family Bible Reading Fellowship" (343 3/17 Trotto FL)

U R U G U A Y

11735t 0046 R. Oriental, tent, US pops, TCs and occasional ments of Monteviedo. Extremely weak, not hrd since (141 3/8 Quaglieri NY)(never reported, good catch if it holds up All! jc)

V E N E Z U E L A

4780 0943 LV de Carabobo, LA mx, TCs, IDs, tx, CW, QRM, but it's slow and low pitched and easy enough to ignore (323 4/4 Thompson CA) 0015 (343 3/27 Weikel MI)+2  
 4830 0957 R. Tachira, ID "R. Tachira, la popular" (444 3/25 Huffaker MEX):0150 (323 3/25 Weikel MI)(444 3/5 Hunt NC):0403\* (433 3/9 Dillon MD)  
 4840 2340 R. Valera, LA mx, TC, ID, also a singing RV ID (333 4/6 Prath FL):0340 (322 3/9 Hunt NC):0932 (433 3/18 Huffaker MEX)  
 4850 0515 R. Capital, very good sig, rock mx incl. "We Are The World" (already!), ID "R. Capital, mas Radio" (444 Hevern NY):0630 (444 3/17 Rocker MS):0730 (333 3/10 Huffaker MEX)(333 3/10 Weikel MI)(433 3/24 Drollinger WI)  
 4900 2330 R. Juventud, US/British pop mx (433 3/17 Dillaman OH):0328 (333 3/5 Hunt NC)+2  
 4970 0035 R. Rumbos, LA mx, TC, canned ID, "doorbell dings, steel-drum type mx, ID as "R. Rumbos musical" "La Musica de R. Rumbos" 1/9660(322)(433 3/11 Dillon MD) 0300 (333 4/5 Mendez NJ)(333 3/5 Hunt NC)  
 4980 0340 Ecos del Torbes, long discussion/speech w/"Ecos del Torbes" IDs mixed in, px was dull. Strongest sig on 60meters at tune-in, but static levels rising. 0401\* w/NA (444 3/31 Dampier NY):0030 (545 3/27 Robinson TN)+4  
 4990 0310 R. Barquisimeto, ID, LA mx, ID as "Barquisimeto" (323 4/5 Mendez NJ):0020 (433 3/11 Dillon MD)(444 3/5 Hunt NC)(333 3/25 Dillaman OH)  
 5030 2230 R. Continente, lively LA mx, TC, ad, several IDs (343 3/9 Prath FL)  
 5040 0050 R. Maturin, Latin/US pops, high-spirited annrc, frequent IDs (423 3/18 Rocker MS):0330 (433 3/17 Huffaker MEX)  
 6180 1030 R. Turismo, ID followed by SS vocals, many IDs/TCs (252 3/30 Welch MA)  
 9660 0148 R. Rumbos, PP (PP? More likely SS jc) ID (3/14 Chituck MD)

UPDATER Number 3

MEXICO...R. Educacion has a MW outlet on 1060, usually in parallel to 6185

PERU...R. Eco, 5010, noted here again, not on 5112, on 4/18. They show up here irregularly. Normally, I would have more Updater info, but I was unable to catch the DX programs where I get most of my info. (WOR, DXPL, SWLD). I do have some stuff from the BBCMS, which is copyrighted.

UNITED NATIONS ...A recent UN Radio schedule shows a program in EE and FF, Monday-Friday 1900-2000 on 21710, 18782.5(LSB), 15650(LSB), 15360, 15330, 15120, 10454 in LSB.

CLANDESTINE...The Cuba Independent and Democratic (CID) station R. Camilo Cienfuegos on 11680 and 9940 announced that the CID Network would be granting 20 minutes of airtime to the Surinam Liberation Council, which runs R. Free Surinam. A relay of R. Free Surinam was observed from 2028-2041.

The Voice of Sandino, hostile to the Nicaraguan government, has this sked: 0400-0500 on 5874 in SS, with occasional EE 2230-2330 on 5874 in SS

I guess that's about it this month. When the DX season is supposed to be winding down, I still managed to fill 7 1/2 pages! Good job all around. Let me see, next month, I'll have up to 7 pages, so let's all plan accordingly.


I got a letter from our Asia-Oceania editor Bob Thunberg telling me he has compiled an article on Latin American music and instruments. I've asked him to send it to me, and I plan to run it in this column (in installments if I have to), and run it in the next edition of the Guide to Latin American DXing. If you've got a pet project like this you'd like to commit to paper, why not persue it and send it in?

Remember my new (well, not really new, let's say, changed) address in Charlestown. Next month, you can send your material to either Morningside or Charlestown, it doesn't matter. Also be thinking about who you'd like to nominate (or re-nominate) for the BOD elections in September. And if you're not a full member, hurry up and get your needed credits you can vote!

73's  
John Creighton

# SWBC - EUROPE





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

**ALBANIA**    **Rádio Tirana**

7065 \*0000 RT EE; wld nx-NATO out of Norway, 0010 History & traditions of Albania (555 3/14 Wimmers-VA)(Bingham-MA)(McKeon-IN)(Schlick-WI)

2030 RT EE; IS, nx, Marxist-Lenist Movement Growth, 2058\* (141 3/18 Kaessinger-FRG)(Dampier-NY)

2205 RT EE; nx, pol tkl, ID, QRM (433 3/31 Prath-FL)

7080 0630 RT EE; to Europe, opening theme, ID, pgm list, wld nx (444 3/13 Rocker-MS)

7120 0229 RT EE; IS, wiping out weaker co-channel VOA, ID, nx, delegation from Vietnam visits a Tirana museum (444 3/24 Brewer-AR)(McKeon-IN)

7300 0335 RT EE; nx til 0340, woman working in Rubber Works Factory, mx, ID & comtry (333 3/7 Wallenhorst-OH)(Goodman-IA)

9430 2315 RT SS; tkl abt an Albanian festival, mx, to Eur (444 4/6 Prath-FL)

9480 1845 RT EE; comtry, mx, 1858\* (233 3/22 Denton-KY)

9500 0555 RT SS; wld Albanian mx, ID "Aqui Tirana" @ 0600, nx, comtry, their political "sell" is softer to other nations than in b/c to USA(fair 3/28 Palmer-WA)

1905 RT AA; wld nx, ID "Huna Tirana," tkl abt life in Socialist Albania, mx, NA (454 3/10 Dillon-MD)

2240 RT FF; tkl, ID "Ici R. Tirana" @ 2242, nx?, Marxist-Leninist mention, local mx @ 2250 (333 4/5 Abbinante-IL)

15425 \*1730 RT EE; nx, comment, folk mx, to Afr, not on 15435 as sked in WRTH'85, // 11985 (444 3/25 Wood-HI)

**AUSTRIA**    **Österreichischer Rundfunk**

5945 0430 ÖRF EE; Letter from Austria-exhibitions, SW Panorama (4/1 Klosowski-FL)

6000 0130 ÖRF EE; nx, pgm of NA, old Imperial Anthem, Blue Danube Waltz-unofficial anthem (544 3/16 Fraser-MA)(Welch-MA)(Hunt-NC)(Dillon-MD)

0203 ÖRF GG; Österreich journal (434 3/21 Bishop-NY)

0330 ÖRF EE; nx, UN activities, Easter holidays (433 4/3 Klosowski-FL)

0359 ÖRF GG; IS, ID & freq, ments of Vienna & North America during ID, het & co-channel QRM (322 3/29 Freeman-AZ)

0430 ÖRF EE; Letter from Austria, SW Panorama, // 5945 (131)(333 3/25 Speer-CA)

0500 ÖRF GG; nx, OM, mx (434 3/13 Lougee-AK)

9715 1500 ÖRF EE; Austrian Panorama, to S. Asia, // 12025 (333) (444 3/25 Shreedhar/India)

11660 1805 ÖRF EE; mx, ID, History & Today, Stravinski, Report from Austria (433 3/10 Schlick-WI)(Bingham-MA)

11860 1900 ÖRF IS, s/on theme, unknown lang, barely audible under R. Moscow (211 4/7 Prath-FL)

15320 1200 ÖRF EE; Austrian Coffee Table, SW Panorama (444 3/14 Camillo-NY)(Weikel-MT)(Rocker-MS)

**BELGIUM**    **Belgische Radio en Televisie**

5910 0030 BRT EE; DX pgm, profiles of Chad & Malai, Radio World, CW QRM (433 3/11 Soomre-MA)(Brewer-AR)(Hunt-NC)(Schlick-WI)(Welch-MA)

9860 0600 BRT DD; ID, nieuws (nx) (444 3/25 Wood-HI)

9877 0810 BRT EE; nx from Brussels, sports-soccer Belgium vs. Greece (333 3/28 Lougee-AK)

9880 0800 BRT EE; foreign ministers of EOC countries to discuss admission of Spain & Portugal into EOC (353 3/25 Bowden-CA)

0915 BRT EE; Radio World, 0930\* (455 3/16 Rocker-MS)

9905 2200 BRT EE; tkl of Christian Party Movement in Belgium (322 3/12 Hunt-NC)

17610 1335 BRT EE; Brussels Calling, Belg. pop mx, Living in Belgium, tkl abt taxi drivers (444 3/9 Bingham-MA)

21810 0800 BRT EE; Brussels Calling, tkl on stamps, P. O. Box 26 (343 3/25 Schreedhar-India)

**BULGARIA** Radio Sofia

6070 2143 RS EE; DX pgm, CFRX QRM (332 3/29 Welch-MA)(Dillon-MD)

7115 0000 R. Moscow (Plovdiv) EE; Moscow Mailbag, Posner Comments on Columbia U. seeing Soviet TV (544 3/17 Fraser-MA)

0115 R. Moscow (Plovdiv) EE; comments on arms race, orch mx, tlk on Soviet Union, ID @ 0130 (454 3/22 Thompson-NM)(Dillon-MD)

0358 RS EE; ID in EE as R. Moscow wld svce, asked to standby for pgm from Sofia, IS, ID, nx, meents of Canadian Communist Party meeting in Toronto (444 4/6 Dampier-NY)

2130 RS EE; nx, Sunday Special (433 3/17 Macrie-NJ)

9665 0500 RS SS; IS, ID, list of SS transmissions (344 3/12 Rocker-MS)

2131 RS EE; nx, tlk w/chairman of the union of Bulgarian Architects, DX pgm w/tlk abt different layers in the ionosphere (544 3/15 Coutermarsh-VT) (Weikel-MI)(Beaver-IN)

9699.8v 1658 RS Turkish; end Turk b/c, into IS & II, putting bad het on VOA 9700 (322 3/12 Quaglieri-NY)

9700 2230 RS EE; nx, tlk abt Bulgaria's entry in Expo'85 in Japan, chemical warfare, Saturday Special-tourism pgm (444 3/16 Bingham-MA)

2309 RS EE; Scanning the Pages w/tlk abt the man who tried to assassinate the Pope (544 3/9 Coutermarsh-VT)(Schlick-WI)

\*0000 RS EE; IS, ID, nx, QRM (222 3/31 Prath-FL)

11870 1700 RS AA; IS, nx, disco mx, "Huna Sofia" (343 3/18 Miyauchi-Japan)

**CZECHOSLOVAKIA** Radio Prague

5930 0130 RP EE; OM, YL, ID, nx (433 3/11 Valentine-CA)(Schlick-WI)(Shredhar-India)

0315 RP EE; tlk on Czech/Gerzman history (I think), extreme QRM (111 3/11 +1 Bair-CA)(Dillon-MD)

2103 RP SS; nx, inst mx (353 3/10 Welch-MA)

6055 2150 RP EE/II; answering listeners letters, QTH, ID, IS, into II @ 2200, wld nx, ID (333 3/26 Dillon-MD)(Welch-MA)

7345 0130 RP EE; YL, ID, contest (444 3/19 Langlois-GA)

0330 RP EE; ID, wld student festival sponsored by int'l union of students (343 3/20 Goodman-IA)(Coutermarsh-VT)(Hunt-NC)(McKinney-PA)

9730 2129 RP PP?; IS, into PP?, QRM R. Moscow (222 3/26 Quaglieri-NY)

11990 0817 RP GG; class mx, tlk, guitar mx, ID (344 3/16 Trotto-FL)(Rocker-MS)

1735 RP EE; nx, ID @ 1737, // 15110 (333) (333 3/24 Berri-CA)

1915 RP FF/AA; mx, FF to 1928, IS, AA ID @ 1930, nx (gd 3/24 Palmer-WA)

15110 1735 RP EE; tlk on South African problems (333 3/24 Alexander-NJ)

1815 RP EE; In the World of Trade Unions (433 3/19 Wood-HI)

**DENMARK** Radio Denmark

15165 1309 RD DD; tlk in DD, ID in EE @ 1310, choir mx performance w/live audience, folk song w/piano, 1330 modern mx (343 3/24 Weikel-MI)

1455 RD DD; IS, ID in DD & EE, to Middle East & E. Afr (454 3/23 Campbell-CT)

15165 1735 RD DD; nx of folketing (parliament), not on 11970 as sked in current printed sked, probably to avoid jamming of R. Liberty (433 3/23 Wood-HI)

**FINLAND** Radio Finland

9575 0630 RF Finnish; IS twice, into Swedish nx, deep fades (343 3/11 Quaglieri-NY)

11910 0738 RF EE; Fin press review, Up-Over-very interesting discussion on Finnish schools, langs, politics by an Australian teaching in Finland (434 3/20 Kaessinger-FRG)

15400 1300 RF EE; Northern Report, Compass North-report that the station might go off the air April 1 due to a strike by workers (434 3/23 Gerstner-NY)+2

1415 RF EE; Voices of Finland-Finnish mx pgm (343 3/19 May-OH)

\*1504 RF EE; nx, Compass North, stories of disarmament conference, strike in Denmark (444 3/23 Wimmers-VA)(Bingham-MA)(Hunt-NC)

17800 1437 RF EE; magazine pgm-Northern Lights, tlk abt Finns paying too much \$ for phone call, preserving old lighthouses in Finland (444 3/17 Bingham-MA)

**FRANCE** Radio France International

6055 \*0445 RFI EE; nx, not identical to 0345 nx on 6175 (444 3/23 Welch-MA)

6175 \*0345 RFI EE; nx, heavy BBC QRM (322 3/23 Welch-MA)

0729 RFI FF; pop mx, nx, military takeover in Sudan (252 4/7 Munster-GA)

7135 0345 RFI EE; wld nx, IDs in FF/EE (333 3/11 Bair-CA)(Hunt-NC)

9800 0330 RFI EE; // 11995, into FF (444 3/8 Stephenson-CA)(Schlick-WI)

0415 RFI EE; nx, film festival bombing, sx, mx (444 3/30 Zirkeibach-CA)+1

11955 \*2200 RFI FF; IS, ID, nx, to Lam (333 3/25 Wood-HI)

11995 0325 RFI EE; French national election (444 3/8 Stephenson-CA)

15300 1800 RFI PP; ID, nx, to Africa (444 3/19 Wood-HI)

15315 1631 RFI EE; tlk abt Ghana, letters from listeners, nx, IDs, P. O. Box (3/31 Desrosiers-MA)(Bingham-MA)



15365 1205 RFI FF; to Nam, nx, frequent ID's (455 3/12 Rocker-MS)  
15435 1600 RFI FF; arc-en-ciel (rainbow)-guitar mx (444 4/10 Klosowski-FL)  
17620 1605 RFI EE; nx, look at todays nxpapers, Science & Technology magazine-museum of man exhibitions, spotlight on Africa (343 3/23 Gertner-NY)+1  
17720 1430 RFI FF; // 17620, 17850 & 17860, comtry, records of FF singer (444 4/6 Weikel-MI)  
17795 1649 RFI EE; YL, ID, OM, sked, // 17620 (544) (434 3/16 Schlick-WI)  
17845 1605 RFI PP; IS, into PP pgm (343 3/19 May-OH)(Trotto-FL)

FEDERAL REPUBLIC OF GERMANY Deutsche Welle  
5960 0500 DW EE; nx, 40 years after extermination of Jews, Focus, U.S. major shot, mx, slight QRM (433 3/30 Zirkelbach-CA)  
6060 2205 VOA relay PP; wld nx, ID, mx interludes (nither of us are 100% sure of this site) (322 3/26 Dillon-MD)  
6075 2150 DW GG; rock mx, ID, IS @ 2200, gong, nx (323 3/29 Dillon-MD)  
6085.0 0100 DW EE; European nx, wld headlines, background on military missions in Germany, study on East/West German border (555 3/26 Desrosiers-MA)  
2018 Bayerischer Rundfunk GG; recorded mx-inst & vocal, 2100 clear ID for "Hier ist Bayerische Rundfunk" & gong IS, nx (342 3/19 Welch-MA)  
2100 Bayerischer Rundfunk GG; IS, ID by YL, time pip, gong, nx ments of nuclear protests (333 4/6 Dampier-NY)  
6145 0405 DW GG; ID "Hier ist die Deutsche Welle," wld & GG nx, sx, comtry (544 3/23 Dillon-MD)  
11725 2105 R. Free Europe Polish; wld nx, ID "Mowi Rozglosnia Polska Radia Wolna Europa" (423 3/9 Dillon-MD)  
11850 \*1130 DW JJ; IS, ID, pgm details, nx (343 3/23 Trotto-FL)  
15210 2132 DW GG; European nx & problems (444 3/3 Stephenson-CA)  
15275 \*1800 DW GG; IS, ID, freq list, ME nx, // 11795 & 17860 (fr-gd 3/18 Sheedy-CA)  
17765 1252 DW EE; tlk abt Star Wars, new 38.5 hr work week, African svce, Science Magazine (333 3/30 Bingham-MA)  
17800 1505 DW EE; Window on the World, comtry abt Iran-Iraq War (444 3/18 BinghamMA)

GERMAN DEMOCRATIC REPUBLIC Radio Berlin International  
6125 2255 RBI GG/EE; GG tlk to 2256, ID GG/EE into GG nx, severe BBC QRM from 6120 (212 3/25 Weikel-MI)  
7185 2220 RBI FF; political tlk, ID "Ici R.B.I.," on past 2230 (322 3/31 Prath-FL)  
9600 0215 RBI SS; "revista de la prensa"-press review (444 3/4 Wood-HI)  
9620 0140 RBI SS; ID, tlk abt Chile (444 3/18 Prath-FL)  
9665 \*1945 RBI EE; IS, C. Afr svce, nx & usual missile comtry, hvy QRM (pr-fr 3/25 Thunberg-PA)  
15445 1536 RBI EE; S.E. Asia transmission, ID (3/17 333 Chituck-MD)(Brewer-AR)(Hunt-NC)(Bingham-MA)  
21540 0815 RBI EE; nx, comtry on Leipzig Spring Fair (544 3/16 Shreedhar-India)

GREECE Voice of Greece  
6015 2120 VOA relay AA; YL w/pgm, ID @ 2130 (332 3/27 Welch-MA)  
6160 0330 VOA relay RR; Afghanistan discussion, nx, Forum pgm, Yankee Doodle (323 3/23 Dillon-MD)  
6225 0115 VOG EE; local mx, nx @ 0130 (444 3/2 Langlois-GA)  
9240M 0000 VOG Greek; nx, lots of Greek mx (444 3/11 Card-RI)  
9420 0131 VOG EE; ID, nx, Greek mx (433 4/3 Wallenhorst-OH)(Dampier-NY)(Hunt-NC)+1  
11645 0120 VOG Greek; local mx, ID, nx in EE @ 0132 (242 3/19 Goodman-IA)(Weikel-MI)  
15630 1435 VOG Greek; nx, ID, tlk by YL (232 3/12 Rocker-MS)  
1520 VOG EE; Greek mx-folk, ID, nx in EE, 1550\* (433 3/18 Abbinante-IL)  
17565 1235 VOG EE; to Nam, nx, tlk abt Greece & Turkey (333 3/15 Bingham-MA)

HUNGARY Radio Budapest  
6025 0300 RB EE; nx, comtry, tlk on jews in Hungary during WWII, Hungarian folk mx (333 3/23 Welch-MA)  
0403 RB EE; DX pgm, reports of SW stations heard by listeners (333 3/20 Coutermarsh-VT)  
2140 RB Hungarian; tlk, ID @ 2145, class mx, IS @ 2150\* (333 3/26 Dillon-MD)  
2320 RB SS; "Aqui R.B." by YL, tlk abt contest for IAM listeners, // 9835 (333 3/17 Prath-FL)  
9585 2300 RB SS; IS, ID, nx by OM, hvy QRM (222 3/23 Prath-FL)  
9835 0210 RB EE; ID, anmt that b/c will be switching to Daylight Savings Time, DX Show (232 3/20 Goodman-IA)(Rocker-MS)  
0300 RB EE; program reports systems & interface, mx on demand (323 3/10 Wallenhorst-OH)  
11910 1720 RB EE; Hallelujah Chorus into closing anmt, ID @ 1725, IS (444 3/19 /India)  
Muzyka-NY)(Berri-CA)(Trotto-FL)(Prath-FL)  
17710 1530 RB EE; nx, tlk on Hungary's economy, South Asian svce (422 3/18 Shreedhar/

ICELAND Iceland State Broadcasting Service Ríkisútvarpið  
13797t 2020 ISBS Icelandic; OM w/tlk, no ID hrd or maybe missed, AM mode (333 4/6 Dampier-NY)

IRELAND Radio Dublin International  
6910 1957 RDI EE; Commodores mx, ancr w/wx, TC, hyper ID 2000, pop mx (232 4/7 Quaglieri-NY)  
2150 RDI EE; IDs, rock & pop mx (222 3/14 Camillo-NY)

ITALY Radiotelevisione Italiana  
5990 \*2200 RAI EE; nx, light mx (332 3/24 Welch-MA)  
6145 0604 Adventist World R. EE; upbeat rel mx, ID, several mailing addresses given, Albania s/on @ 0631 dominated 6145 (222 3/18 Quaglieri-NY)  
9575 0100 RAI EE; deployment of nuclear missiles in Italy & other West European countries by the U.S.A., mx (353 3/22 Bowden-CA)(Wallenhorst-OH)+4  
0235 RAI II; sx-cycling in Italy-a means of keeping healthy (333 3/19 Grosvenor-CA)  
2232 RAI II; ID @ 2235, IS w/bird chirp til ID, "Bongiorno Italia" by OM, nx @ 2238 (433 4/5 Abbinante-IL)  
11800 \*1935 RAI EE; IS, ID, freq amnt, nx, // 9710 & 7275 (444 3/17 Trotto-FL)  
2026 RAI EE; IS, nx, Middle East crisis, Iran-Iraqi War (151 4/1 Sampson-WI)  
2221\* RAI EE; nx, to Far East, ANZ, IS (444 3/22 Wood-HI)  
15385 1908\* RAI II; "Italia Sport," to LAM (444 3/19 Wood-HI)  
17715 1400 RAI II; IS & opening chimes on the hr, ID (423 3/12 Rocker-MS)

LUXEMBOURG Radio Luxembourg  
6090 0009 RL EE; modern rock mx, ID & time @ 0030, mx interlude, tlk abt April Fool's Day (312 3/31 Weikel-MI)  
2115 RL GG; address in England, rel mx, theme from Love Story, EZL mx, prayer by OM, rel mx (433 3/16 Dillon-MD)  
15350 1808 RL FF; DJ w/telephone calls, US-production style ads, Adult Cont. mx, jingle ID as "RTL" @ 1900 (fr-gd 3/18 Sheedy-CA)

MALTA Radio Mediterranean  
6110 2230 RM EE; nx, Malta Anthology, inst mx, wx report (433 3/14 Camillo-NY) (Dampier-NY)(Weikel-MI)(May-OH)(Welch-MA)  
7140nf 0200 DW relay EE; S. Asian svce, nx, mx, R. Moscow QRM (422 3/25 Shreedhar-/India)  
9510t 0710 IBRA R. Hungarian?; QRMing BBC's Antigua, rel mx between preachy /India) speech, no ID before becoming swamped by Antigua (222 3/24 Munster-CA)  
9510 2045 IBRA R. EE; rel pgm, Toronto address given (444 3/23 Denton-KY)  
2230 IBRA R. Turkish/EE; end Turk rel pgm, ID, into transcription from IBRA R. NAM, Toronto (433 3/24 Wood-HI)

MONACO Trans World Radio  
6215 1928 TWR Ukrainian?; musicbox IS, brief ID, rel mx (243 Quaglieri-NY)  
7160 0725 TWR EE; rel pgming, // 9495 (233 3/11 Rocker-MS)  
9495 0750 TWR EE; Back to the Bible, ID as R. Monte Carlo @ 0800 (222 3/21 Speer-CA)  
0917 TWR EE; Hour of Greedom (343 3/31 Soomre-MA)  
1000 TWR EE; Focus on the Family, ID, Children's Bible Hour (444 3/9 Rocker-MS)

NETHERLANDS Radio Netherlands  
6020 0230 RN EE; YL, ID, Newsline (444 3/10 Langlois-GA)  
0320 RN EE; Shortwave Feedback (433 3/9 Hunt-NC)  
9630 0741 RN EE; OM, YL, nx, ID (333 3/9 Schlick-WI)  
9895 0130 RN EE; nx, Newsline, Media Network (222 4/5 Dampier-NY)  
17605 1455 RN EE; ID, Media Network, 1525\* (342 3/21 Trotto-FL)(Shreedhar-India)+1

NORWAY Radio Norway International  
7210 0600 RNI Norwegian; IS & ID in Norw./EE; into Norw. pgm (222 3/11 Rocker-MS)  
9590.0 0558 RNI Norwegian; IS & ID in EE, into Norw. pgm (343 3/25 Unruh-HI)  
9670 2200 RNI EE; nx (333 3/24 Hunt-NC)  
11855A 1600 RNI Norwegian; IS, freq & time sked (333 3/16 Freeman-AZ)(Wood-HI)  
11870 \*1755 RNI Norwegian; ID, IS, nx, QRM via Sofia & jammer, // 15230 (422 3/26 Wood-HI)  
15165 1955 RNI EE; IS & ID, wld nx, South African problems, Norway invited by U.S. to join in space weapons concept (444 3/31 Weikel-MI)  
15205 0958 RNI Norwegian; IS, EE IDs, // 15180 & 15235, nx, orch mx (554 3/20 Miyauchi-Japan)  
15220 \*1855 RNI Norwegian; ID, IS, nx, QRM WYFR (422 3/19 Wood-HI)  
15305 1410 RNI EE; Norwegian ambulance in Stockholm, coming of Spring in Norway, QRM possibly R. Habana Cuba (323 3/24 Weikel-MI)  
1600 RNI EE; tlk on soldier training in N. Norway (454 3/24 Campbell-CT)+2  
17740 \*0655 RNI Norwegian; ID, IS, nx, QRM Saudi Arabia (422 3/23 Wood-HI)

POLAND Radio Polonia  
6135 \*1959 RP GG; IS, ID by OM, nx (151 3/30 Welch-MA)  
2240 RP EE; nx, ments Polish people, Soviet Union, Czechoslovakia, Finland,  
QRN, brief mx interlude between nx items, ID 2255 into orch mx, waltz  
(242 4/6 Weikel-MI)(Prath-FL)(Quaglieri-NY)  
7125 \*2200 RP FF; IS, OM & YL w/ s/son, ID, nx, // 7270 & 7145 (433 3/23 Prath-FL)  
7145 0000 RP Polish; IS, ID, nx, // 7270 (322 3/18 Prath-FL)  
0300 RP EE; nx, DX Club anmt for NAM, "our request concert for members of R.F.  
DX Club" (222 3/15 Klosowski-FL)  
9540 1728 RP EE; Chopin IS til s/on @ 1730, nx, anti-nuke comtry (333 3/23  
Drollinger-WI)  
11840 1230 RP EE; nx, comment, Polish mx (332 4/5 Camillo-NY)

PORTUGAL Radio Portugal  
6095 \*0030 RP EE; nx, sx, into PP @ 0100 (443 3/19 Welch-MA)  
11895 0900 R. Free Europe Hungarian; mx, TC, ID "Itt a Szabad Europa Radio" @ 0900,  
propagation favors the Portugal transmitter (333 3/16 Rocker-MS)  
15250 1815 RP EE; nx, ID, b/c sked (no EE Sat or Sun), Life of Portugal Revolution-  
ary, into FF @ 1830 (343 3/14 Carlson-WA)(Palmer-WA)(Bingham-MA)  
15380 0444 R. Liberty RR; long tlk by OM, ment of Radio Svoboda, // 15370 & 15340  
(233 3/12 Rocker-MS)  
21580 1618 R. Free Europe Bulgarian; OM w/tlk, ID as R. Svoboda Europa @ 1619, item  
abt Bulgaria (343 3/17 Trotto-FL)  
21665 1645 R. Free Europe Polish; Catholic Mass til 1659, ID as R. Wolna Europa, nx  
(353 3/17 Trotto-FL)

ROMANIA Radio Bucharest  
5990 0220 RB EE; nx of Communist Block countries (434 3/18 Hunt-NC)  
\*0400 RB EE; nx-all abt re-election of Pres. of Romania (444 3/30 Welch-MA)  
2258 RB Romanian; IS, YL w/ID "Ich Bucharest," nx (333 3/9 Prath-FL)  
6155 0415 RB EE; medical facilities, ID, tour of Country, contest (323 3/23  
Wallenhorst-OH)  
7195 2119 RB EE; ID by OM, Science & Technology (444 3/10 Trotto-FL)  
9570 0200 RB EE; IS, ID, tlk abt Romanian Communist Party (433 3/18 Prath-FL)+1.  
9690 2005 RB EE; tlk abt farming machinery used in Romania, U.S. invasion of  
Grenada comtry (444 3/22 Coutermarsh-VT)(Bingham-MA)  
11940 1325 RB EE; to Europe, list of EE transmissions to Europe, ancd as // 9570  
& 7175 (253 3/12 Rocker-MS)(Welch-MA)  
1505 RB EE; nx, ID, tlk (343 3/10 Trotto-FL)  
15250 \*1300 RB EE; European svce, nx, comtry on Geneva Conf., // 11940 (gd 3/20  
Thunberg-PA)

SPAIN Radio Exterior de España  
5900 2305 REE EE; wld nx, sx, Press Review, SS pop mx, QRM, nf? (444 3/16 Prath-FL)  
5970 0330 REE SS; DX pgm, ID 0335, nx items on terrorism, // 6125 (433) (444 3/17  
Munster-GA)  
0510 REE EE; NAM svce, move from 6065?, // 9630 (pr) (fr 3/6 Sheedy-CA)+1  
6125.0 0100 REE EE; local nx, Spain to join EEC, wld nx summary, sx, Events in  
Spain (545 3/31 Desrosiers-MA)(Hunt-NC)  
\*0500 REE EE; wld nx, Sx Roundup, Highlights of the Week, Radio Club, // 5970  
& 9630 (534 3/18 Neuverth-OO)  
7105 \*2300 REE EE; nx, European svce, // 5900 (322 3/17 Prath-FL)(Welch-MA)  
9360 0125 REE SS; Spanish artists w/Chilean artists getting up a show to collect  
money to help the people who suffered from the earthquake in Chile (444  
3/7 Grosvenor-CA)(Weikel-MI)  
9630 0030 REE EE; travel pgm abt Valencia w/mx, ID, DX pgm (Thx to March Program  
Panorama comments for this) (534 3/25 Dillon-MD)  
0141 REE EE; vocals, letters & anecdotes, generally dull pgm, most unusual  
for this entertainer of SW (544 3/14 Thompson-CA)(Langlois-GA)(Bishop-NY)  
0455 REE SS/EE; to Europe, ID, EE @ 0500 (3/24 Chituck-HD)(Brewer-AR)  
9650 0115 REE EE; mx by OM (in EE the song means I Have a Carnation for You), tlk  
of citrus fruit export to Europe, competitors, Israel & Morocco (443 3/20  
Byron-PA)  
0800 REE SS; time signal, SS & UTC TC, nx (444 3/26 Wood-HI)  
9780 1930 REE EE; nx, sx roundup, Radio Club (434 3/10 Wallenhorst-OH)  
11635 1758 REE SS; mx, time pips & ID @ 1800, nx (434 3/30 Berri-CA)  
11690 2016 REE EE; Panorama, SS course by radio, SS nx, freqs & address (333 3/13  
Coutermarsh-VT)(Dillon-MD)  
17770 1715 REE SS; short nx on each soccer game being played in Spain today, keeping  
scores updated minute-by-minute of each game (333 3/10 Grosvenor-CA)  
21595 0800 REE SS; time signal, TC, nx (454 3/23 Wood-HI)

SWEDEN Radio Sweden International

11845 2100 SRI EE; nx, feature on Ethiopian relief, Swedish soap operas, SCDX (232 3/26 Quaglieri-NY)

11940 1600 SRI EE; to S.E. Asia, QRM de All India R. @ 1615 (422 3/24 Shreedhar-India)

15240 \*1800 SRI FF; IS, ID, nx, to Africa (433 3/26 Wood-HI)

15345 \*1400 SRI EE; mailbag-acid rain from England to Sweden, tennis in Sweden, drug campaign in Sweden (444 3/17 Wimmers-VA)(Bingham-MA)(Quaglieri-NY)

1430 SRI Swedish; IS, IDs in several langs, into Swedish pgm @ 1430 (555 3/12 Rocker-MS)

1728\* SRI Swedish; abruptly off after report on Finnish politics, not on sked 15190 to NAM, maybe a test, QRM AFRTS & jammer (422 3/25 Wood-HI)

15390 0800 SRI Swedish; time signal, TC, Home Svce nx relay (433 3/23 Wood-HI)

SWITZERLAND Swiss Radio International

6135 0142 SRI EE; IS, IDs, freqs, target areas, TC, Dateline, orch nx, comtry, accordion mx (454 3/28 Thompson-NM)(Macrie-NJ)(Freeman-AZ)(Weikel-MI)+1

6165 2031 SRI FF; inst mx, anmts by OM (343 3/20 Welch-MA)

9535 1525 SRI EE; Swiss local mx, to ME, Afr & Eur, some covered by TWR-Guam w/CC (343 3/26 Miyauchi-Japan)

2100 SRI FF; tlk, ID, rock mx, reading letters from Brazil, TC, into SS @ 2115 (333 3/16 Dillon-MD)

9560 0907 SRI EE; wld nx, Great Saturday Grapevine (343 3/16 Rocker-MS)

9885 0109 SRI SS; ID, times (433 3/22 Chituck-MD)

0145 SRI EE; nx, Dateline (433 3/25 McKinney-PA)(Weikel-MI)(Desrosiers-MA)

0200 SRI EE; tlk on how the atmospheric conditions are measured, such as sunspots, etc. (433 3/23 Grosvenor-CA)(Hunt-NC)

12030 \*1313 SRI EE; accordion mx, TC, nx, Great Sat. Grapevine, letters read (444 3/16 Bingham-MA)

12035 1815 SRI wld nx, SW Merry-Go-Round w/tlk on sellers of vintage radios, ant tuners & preselectors (454 3/23 Campbell-CT)

1930 SRI GG/FF; end of GG pgm, ID, into FF (444 3/11 Rocker-MS)

2019 SRI II; piano mx, ID (3/23 Chituck-MD)

2200 SRI EE; ID, nx, orch mx, comtry, vocals, comments on use of salt in Switzerland, accordion mx (454 3/17 Thompson-NM)

15570 0900 SRI EE; Dateline, Swiss M-G-R, // 21520 (333) (444 3/23 Shreedhar-India)

15585 1438 SRI FF; to NAM, QRM from Russians jamming kol Israel, // 15570 much better (412 3/12 Rocker-MS)

17765 \*1315 SRI EE; Great Sat. Grapevine, letters, mx requests (433 3/14 Wimmers-VA)(Bingham-MA)

17830 1315 SRI EE; IS, wld nx, Roundabout Switzerland, // 17765 (444) (333 3/10 May-OH)

1530 SRI EE; Swiss SW M-G-R special b/c (343 3/30 Soomre-MA)

UNION OF SOVIET SOCIALIST REPUBLICS Radio Moscow

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

7320 0200 RM (Krasnodar) EE; IDs, freqs, orch mx, nx by YL, tlk on arms race & MX missile (454 3/23 Thompson-NM)(Dillon-MD)

7370 0035 RM (Moscow) SS; political tlk, mentions of Reagan, Cuba (444 3/17 Prath-/FL)

12000 1930 RM (Armavir) EE; ID, tlk of school in USSR (3/23 Chituck-MD)

12060 2332 RM (Voronezh) SS; ID, harp mx, tlk of SAM (3/23 Chituck-MD) The UHN says this maybe from Alma Ata in the Kazakh S.S.R.-please mention the source of transmitter sites when not from the UHN.

15440 1545 RM (Riazan) EE; ID, IS, tlk of space arms (212 3/24 Chituck-MD)

Ukrainian S.S.R.

7165 0215 RM (Lvov) EE; Moscow Mailbag, ARO QRM, deteriorating conditions (323 3/3 Dillon-MD)

9710 2040 RM (Kiev) EE; comtry on adult education evening classes (443 3/17 Goodman/FL)

9765 2125 RM (Nikolayev) EE; Nx & Views, nx in brief @ 2130, The Jazz Show-jazz /IA mx of Georgia & Armenia (fr 3/19 Beaver-IN)

11705 1910 RM (Simferopol) EE; wld svce, nx, // 11840 (Cuba) & 11860 (242 3/11 Rocker-MS)

11860 2140 RM (Lvov) EE; feature on Russian pianist, ID, mx (534 3/18 Dillon-MD)

15455~ 1310 RM (Nikolayev) EE; tlk of renting a home (544 3/17 Chituck-MD)

1419 RM (Nikolayev) EE; nx in brief, SS station QRM (222 4/7 Dampier-NY)

15475 1230 RM (Simferopol) EE; wld svce, wld nx, // 15455 15350 15320 & 15150 (455 3/12 Rocker-MS)(Chituck-MD)

1446 RM (Simferopol) EE; The Way We See It-U.S. policy in Nicaragua (252 4/5 Sampson-WI)

Unknown Sites

4860 2359 RM EE; Nam svce, // 7115, 7165, IS, ID @ 0000 (232 4/6 Prath-FL)

5920 0010 RM RR; class mx, anmts by OM @ 0029 (353 3/13 Welch-MA)

0300 RM EE; Soviet Life, folk mx (444 3/10 Langlois-GA)

7195 0255 RM/R. Kiev EE; Nam svce of R.M. w/class mx, ID @ 0258, IS, s/on of R. Kiev w/nx (444 3/24 Drollinger-WI)

7205 0050 R. Kiev EE; Mx from the Ukraine (444 3/18 Prath-FL)

7230 0140 R. Rodina RR; tlk abt economics & other nx items, IS, time pips, ID twice "Govorit Radiostantsiya Rodina" @ 0200 (433 3/27 Dillon-MD)

7310 0500 RM EE; IS, ID, wld nx, Wld svce (433 3/11 Rocker-MS)

7360 2030 R. Station Peace & Progress GG; IS, ID, nx (333 3/23 Rocker-MS)

7370 0400 RM Polish; ID, tlk (543 3/16 Chituck-MD)

9600 1030 RM EE; class mx 1030-1100, wld nx, MX missile approved in U.S.A., India sues Union Carbide Corp., report that Western Press propaganda helping Polish anti-government forces (fr 3/20 Beaver-IN)

9640 \*0058 R. Sta. Peace & Progress PP; IS, ID, mention of Brazil, voice of Soviet opinion, OM w/nx (242 D'Angelo-PA)

9675 0115 RM SS; tlk abt the dangers of a new arms race, mx, QRM, // 9665 (exc) (332 3/18 Prath-FL)

0510 RM EE; Nam svce, nx, Mikhail Gorbachev's acceptance speech (344 3/12 Rocker-MS)

9765 2200 Mayak RR; wld nx, sx, class mx, RM IS @ 2229, Mayak ID (434 3/18 Dillon-/

9780 0113 RM EE; Nam svce, excerpts from speech by Gorbachev, // 9765, 7115, /MD) 7150, 7165, 7195, 7320, 6115 (444 3/13 Rocker-MS)

11700 1431 RM EE; Focus on Asia, calling the Bhopal tragedy a secret Pentagon experiment (332 4/7 Dampier-NY)

11860 1839 RM EE; class mx, nx-Soviet People are mourning the death of Chernenko, Nxreel (555 3/12 Coutermarsh-VT)

2020 RM EE; Nx & Views, jazz (433 3/31 Macrie-NJ)

11985 1330 R. Sta. Peace & Progress EE; IS, slow EE, nx, ancrs sound exactly like those on RMWS (344 3/12 Rocker-MS)

12020 1747 RM FF; ancd as "Radio Moscou Internationale," RR lessons for FF speakers, Polish hrd earlier around 1615, freqs given just before 1800, ID, sked, // 12010 (3/14 Palmer-WA) Site maybe Moscow-sorry I missed that when sorting the logs.

13635 0150 RM EE; DX pgm on DX tips & antennas (343 4/2 Soomre-WA)

13665 1325 RM productivity in U.S.S.R., Nx & Views, QRM by ARO in SSB (434 4/9 Dampier-NY)

13680 1446 RM EE; pgm abt RR dancers (333 3/16 Trotto-FL)

1600 RM EE; nx, Listeners Forum-listeners letters (343 3/30 Soomre-WA)

15150 1500 RM EE; nx, IDs, splatter from RFE on 15145 (423 4/7 Dampier-NY)

15380 2150 RM RR/Polish; ID, rock mx (323 3/17 Chituck-MD)

15510 1820 RM EE; wld svce, contry (253 3/17 Rocker-MS)

UNITED KINGDOM British Broadcasting Corporation

3955.0 0445 BBC EE/GG; mx, Michael Jackson's thriller, tlk, "London Calling w/the first early morning transmission in GG," nx in GG (333 3/23 Desrosiers-MA)

5975 0700 BBC EE; ID, TC, wld nx, 24 Hours (454 3/16 Kaessinger-FRG)

6140 0215 BBC EE; foot dancing, "Kicking Up the Sawdust," soccer scores @ 0230 (444 3/10 Langlois-GA)

6160 1920 VOA relay Polish; contry, ID @ 1930 (252 3/30 Welch-MA)

7152.5 0711 BBC EE; OM, nx, contry, ID (333 3/10 Schlick-WI)

7200 0335 VOA relay EE; ID, Thursday morn. pgm preview, report on launch of a satellite (333 3/21 Trotto-FL)

I'm running low on space so for the rest of U.K. only freqs not reported last month.

7320 0542 BBC AA; co-channel QRM, nx, "Huna London" ID (fr 3/28 Palmer-WA)

9410 1100 BBC EE; ID, TC, wld nx, QRM, QSB (553 3/15 Kaessinger-FRG)(Beaver-IN)

9640 0800 BBC EE; Iran says it has suspended attacks on Iraq (252 3/24 Bowden-CA)+1

11680 1940 BBC AA; wld nx, ID "Huna Lundun," QRM RCI, 2000\* (433 3/9 Dillon-MD)

11955 0810 BBC EE; wld svce, wld nx, // 12040 & 11860 (355 3/16 Rocker-MS)

21540 1613 BBC EE; tlk, ID, chimes of Big Bend @ 1615 (252 3/17 Trotto-FL)

21660 1700 BBC EE; OM, Asian nx (444 4/4 Valentine-CA)

VATICAN CITY Vatican Radio only freqs not reported last month

6015 \*0050 VR EE; The Church Today, highlight of U.N. day against discrimination, QRM L.V.de Nicaragua (433 3/26 Welch-MA)

9755 1747 VR Bylorussian; IS @ 1945, ID, tlk, QRM Afghanistan (222 3/21 Trotto-FL)

11700 2030 VR FF; financial changes at V.R., Afro drum mx (323 3/9 Dillon-MD)

11740 0730 VR EE/SS; Four Voices pgm, into SS @ 0730 (455 3/18 Rocker-MS)

11845 0050 VR EE; tlk for last Sunday in Lent (332 3/23 Speer-CA)

11955 0115 VR SS/II; ID, IS, rel mx (3/14 Chituck-MD)

15115 1431 VR EE; tlk abt solidarity day for women, nx, mx (333 3/8 Bingham-MA)

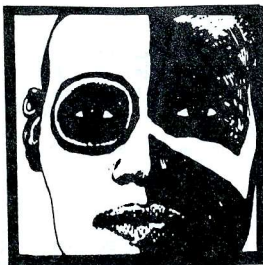
17730 \*1545 VR EE; IS, ID, report of Bishop from Africa, 1600\* (343 3/17 Trotto-FL)

17840 1450 VR EE; letters from listeners (323 3/24 Hunt-NC)

YUGOSLAVIA Radio Yugoslavia (3/30)

6100 \*2000 new upbeat IS, nx (Dampier-NY)+1---9620 2210 EE inst mx, nx (3/23 Prath-FL)+2





# 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.

I recently received the first installment a new monthly publication to which I subscribed. Although I expected a first rate, professionally compiled, and technically accurate piece to arrive, I received much more than I had anticipated. So much, in fact, that I feel it necessary to at least mention it in this column; otherwise, some of you would possibly miss out on the availability of this fine publication.

I am referring to Enjoying Radio, the monthly mag authored by David Newkirk. You might recognize his name, as his "Radio Equipment Forum" is included regularly in the Review of International Broadcasting. David decided to begin his own publication, and I'm glad he did. Enjoying Radio goes on where the articles in RIB leave off. Most of the first newsletter was technical in nature; some of it highly technical, in fact. However, what separates this newsletter from others is its wit, diversity, and overall broadbased information coverage. Although you'll not find loggings or station schedules in this mag, anyone with a slight bent toward the technical aspects of radio, and who wants some purely enjoying and entertaining reading, cannot be without a subscription. David Newkirk and his Enjoying Radio can be contacted at Box 85024, Seattle, WA 98145-1024. Samples are available for \$1.75, mint stamps accepted.

## LOGGINGS FOR MAY, 1985

**ALGERIA** R. Algiers

9508 1809 R. Algiers: FF; OM & YL w/pgm abt guitars, suddenly off at 1811 and moved to 9640. Hrd this freq for several months now. 333(3-11 Quaglieri-NY).

9640 2023 R. Algiers: EE; soul mx, ID by OM "This is R. Algiers". 434(3-10 Trotto-FL).

17745 2000 R. Algiers: EE; ending of FF pgm, TP at 2000 & OM w/ID in EE, nx abt Sudan, then nx of Algeria followed, bad buzzing on this freq and its getting progressively worse, also bad splatter from RHC on 17750. Could be lcl QRM. 444(4-6 Dampier-NY). Also at 2000: EE; announced 9510 and 9640, then (t) IS. 343(4-6 Habak-WV). @2002 EE; nx by OM ancer, ID "This comes to you on the Int'l Service of R. Algiers", then 50's rock mx, and OM w/freqs. 333(3-18 Bingham-MA). @2003 EE; nx and Saturday mx pgm- pop style. 333(3-16 Gerstner-NY). @2040 SS; mx w/OM DJ giving ID between each selection, nx by YL at 2047, splash de 17740. 322(3-16 Dillon-MD).

**ANGOLA** R. Nacional Luanda, R. de Benguela

4780 0618 Emissor Regional do Kuando-Kubango (t): Vern; afro mx, OM ancer, into tx w/2 OM sounding as if one is translating for the other- both in vern, no ID but hrd here regularly. 343(3-12 Thompson-CA). (ed- anyone else on this one?)

4818.5 0515 Emissor Regional do Huila (t): EE/??; Kenny Rogers and pop mx, jazz stuff but voices are overmodulated. 444(3-12 Witte-CA).

5402.5 2225 Emissor do Namibe (t): PP; DJ w/Afro and Brazilian pop mx, TCs in PP, then ID and NA at 2259, off at 2302, very low modulation. 332(3-26 Quaglieri-NY).

9535 1622 RN: Vern/EE; YL vern tx w/up beat vocals, 1630 tribal mx w/OM PP ID, then YL ID w/freqs/TC, pgm on colonial atrocities in Namibia. 333(3-28 Thompson-CA).

9535 1905 RN: PP; slogan exhorting "camarades e compatriotas". 444(3-19 Wood-HI).

9535 2107 RN: EE; nx, cmty abt commissions in Angola, lcl inst mx, then tx of African unity organizations, QRM de SRI. 322(3-9 Soomre-MA).

9535 2210 RN: PP, tx and orchestra mx, vcls, ID at 2256. 454(3-18 Thompson-NM).

11955 1945 RN: PP; African choral mx, ID. 444(3-3 Wood-HI).

**ASCENSION ISLAND****BBC Relay**

11775 1114 BBC Relay: EE; nx abt Britian, ID 1114 by OM, cmty. 444(3-23 Trotto-FL).  
 11860 0623 BBC Relay: EE; news re drug addicts in Glasgow. 353(3-11 Quaglieri-NY).  
 15260 1725 BBC Relay: EE; history of talking movies in 1930's. 444(3-10 Grosvenor-CA).  
 15260 2300 BBC Relay: EE; ID & TC, wld nx, merchant navy pgm. 454(3-14 Thompson-NM).  
 17885 1600 BBC Relay: EE; wld nx. 444(3-12 May-OH).  
 21660 1501 BBC Relay: EE; radio newsreel, mailbag pgm, rock mx. 343(3-26 Bingham-MA).

**BENIN****ORTB Cotonou, Parakou**

4870 0628 ORTB Cotonou: FF; tx by YL, ID, possible nx by OM. 333(3-25 Trotto-FL).  
 4870 2130 ORTB Cotonou: FF; drum mx, lcl version of "Dominique", full ID by YL w/mx interludes, recheck at 2225 stronger. 242(3-31 Desrosiers-MA). @2214 FF; cmty w/OM & YL, sig improving to NA, s/off at 2301. 333(4-3 Habak-WV). @2219 FF; hilife mx until ID at 2230, brief tx by YL, then tribal mx. 353(3-31 D'Angelo-PA). @2245 FF; latin style rock mx to 2304, ID and NA to s/off at 2305. 343(3-23 Weikel-MI). @2256 FF; continuous drum solo until 2259, brief OM tx, filler mx to 2300, into nx by OM/YL. 333(3-31 Sharp-FL).

**BOTSWANA****R. Botswana- Gaborone**

4820 0350 RB: EE/Set; s/on w/barnyard IS, ID. 333(3-5 Pyatt-VA). @0355 FF/vern; "Animal Farm" IS until 0400, EE ID "This is Radio Botswana", into Se-Tswana. 322(3-26 Rocker-MS). @0459 Set; OM tx, into usual Dove call, into nx, this is usually the best freq for RB here. 333(4-9 Sharp-FL). @0511 EE; lcl nx, ID, wld nx, into Se-Tswana at 0522. 444(3-13 Bair-CA).  
 7255 0345 RB: Set; cowbell IS to 0358, into NA and Se-Tswana ID by YL ". . . Botswana mo Gaborone . . ." (4-11 Sharp-FL).

**BURKINA-FASO****Ntl. Radio du Burkina- Ouagadougou**

4815 0526 RTB: (t): vern; hilife mx, OM ID at 0530, nx. Lost in Af #1 slop, but this seems early for them, who else? 333(3-16 Thompson-CA).  
 4815 0635 RTB: FF; OM w/tx, mx and more tx, ID at 0700. 232(3-25 Trotto-FL). @0650 FF; Afro pop mx, hilife mx, ancr w/TC in FF, 200 Hz. tone gone and stn seems stronger and cleaner audio than usual, new tx? 333(3-11 Quaglieri-NY).  
 4815 2302 TB: FF; this one audible after Af #1 s/off, long tx w/YL & OM, ments of Ouagadougou, at 2312 hilife mx, clear ID by OM 2358 followed by noted on Babafon, YL w/"Ici Ouagadougou . . .", then NA and f/o. 2+52+(3-31 D'Angelo-PA). (ed note- excellent report and details, Richard).

**CAMEROON****R. Buea, R. Bertoua, R. Douala, R. Garoua, R. Yaounde, R. Bafoussam**

4795 0542 R. Douala: FF; cont hilife vcsls/OM tx, severe QRM de UTE. 322(4-11 Sharp-FL).  
 4850 2135 R. Yaounde: FF; Afro mx w/OM DJ, interviews w/OM, ID as R. Cameroon, IS, nx at 2200. 333(3-20 Dillon-MD).  
 5010 0428 R. Garoua: EE/FF; drum IS, ancer in alternate FF and EE w/stn name and freqs until 0430. 444(3-21 Rocker-MS). @0531 EE/FF; FF ID by OM, into EE and lcl mx. This was heard on a small 2 band radio while at work at WPLA! 333(4-11 Sharp-FL). @0601 EE; ID, nx and tx by OM. 232(3-10 Goodman-IA).  
 5010 2220 R. Garoua: FF; opera mx w/piano from 2220 to 2300, wld nx by OM at 2300, ID and NA w/s/off at 2305. 434(3-10 Dillon-MD).  
 9745 2103 R. Yaounde: EE; nx and "This is the nat'l serv of R. Cameroon, Yaounde." 333(4-7 Habak-WV). @2110 EE/FF/??; mx to cmty in EE, ID at 2117, into FF, ID and tx and into Afro mx. 343(3-10 Weikel-MI). @2215 FF; OM tx w/mostly FF although some EE, ments of Cameroon, mx and ID, then harmonica and blues mx at 2220. 333(3-19 Abbinante-IL).

**CANARY ISLANDS****REE- Tenerife**

15365 2200 REE: SS; IS, opening tune, SS ancr w/ID as "REE en Canarias". 343(3-12 Rocker-MD).

**CAPE VERDE ISLANDS****R. Voz de Sao Vincente**

3931 2311 VdSV: PP; OM tx and into pgm of PP ballads, no sign of Transkei, occ. hrd to 0100 then s/off. 433(3-31 Sharp-FL).

**CENTRAL AFRICAN REPUBLIC****RT Centrafrique- Bangui**

5035 2216 RTC: FF; African mx w/Billy Ocean's "European Queen", then Michael Jackson "Human Nature", off after NA at 2302. 243(4-7 Habak-WV). @2240 FF/Sango; flute and hilife to 2246, brief OM ancmts and more mx. 343(4-10 Sharp-FL).

**CHAD****R. Nationale Tchadienne- N'djamena, R. Moundou**

4904.5 0455 RNT: FF; IS and NA, into YL chorus, perfect ID at 0502 by YL, into another mx pgm. 232(4-7 Manning-TX). Also at 0455 FF; 26 note IS until 0458, then NA and FF ID by high spirited OM. 343(3-19 Rocker-MS). @0510 FF; hilife mx and tx by OM. 232(3-22 Goodman-IA).  
 4904.5 2154 RNT: FF; tuned into some mx, s/off ancmts w/choir type singing and

instrumental NA, s/off at 2201. 2+52+(3-30 D'Angelo-PA).  
5288 0552 RM: FF; talking drums to 0556, OM w/TC and ments of R. Moundou, into vcl duet  
mx. 242(3-11 Quaglieri-NY).

**COMORO ISLANDS** R. Comoros  
3331 0259 RC: Comorian (T); s/on w/NA, OM w/tent ID, into Quran recitations, all noted  
underneath CHU sloop. Thanks to Dave Jones for his phone tip on this one!  
222(4-2 Sharp-FL). @0301 till f/o at 0350, tuned into OM w/3 min of Quran  
recitations, then Indian type mx selections. Very good level this night as  
CHU on 3330 was weakened by geomagnetic storm and this night was an excellent  
opening to S. Africa. The signal peaked at 0317 and f/o at 0350. This checks  
with a computed Comoros sunrise of 0311. (3-16 Bigley-TX).

**CONGO** RTC- Brazzaville, Pointe Noire  
15190 1950 RTC: FF; guitar mx to 1952, then YL tx and more mx to past 2003, then  
covered. 433(3-21 Sharp-FL).

**DJIBOUTI** RTD  
4780 0300 RTD:-Somali; heavy QRM, sig fading but strong at times, choir sings. NA at  
0400, s/off. 322(3-2 Denton-KY). @0342 Somali; continuous OM tx, but audio  
too weak to pull out positive ID, QRM de "numbers station" on low side, and  
usual Venezuelan QRM also. 222(4-4 Sharp-FL).

**EGYPT** R. Cairo  
9475 0150 RC: SS; YL answering listener's letters on Egypt- history and ways of life,  
etc. 433(3-23 Grosvenor-CA). @0200 EE; "This is Cairo Calling", mx and nx  
w/spotlight on the middle east. 545(3-19 Robinson-TN). @0206 EE; tx on  
archeology sites. 222(3-25 Stephenson-CA). @0216 EE; nx in EE, not received  
here often. 232(4-8 Habak-WV). @0254 EE; cmty on QSL cards, mx, and letters  
from listeners, ID. 333(3-22 Wallenhorst-OH). Also 434(3-23 Wallenhorst-OH).  
@0315 EE; nx, Sunday program sked given, s/off at 0326. 333(3-16 Denton-KY).  
9475 1915 RC: AA; mx w/YL DJ, ID "Min al-Quahirah", brief tx abt French art in Egypt,  
radio play w/live studio audience. 353(3-24 Dillion-MD).  
9770 0520 RC: AA; ID and nx w/OM. 333(3-16 Wood-HI).  
9805 2115 RC: EE; chimes IS, great carrier but almost no modulation on voices, a real  
waste of energy on their part! 441(3-22 Quaglieri-NY).  
12050 0835 RC: AA; AA mx but not chanting, occ tx, anemt by yl & OM, // to 11785 (344)  
and 11665 (121). 254(3-16 Rocker-MS).  
12050 1510 RC: AA; home service w/nx by YL and mx. 555(no date Chituck-MD). @1650 AA;  
camel mx w/chanting, ID and nx by OM at 1700, have hrd this stn sounding much  
better than this in the past. 333(3-18 Abbinante-IL).  
01250 2030 RC: AA; this service is quite interesting, pgm ID's are by a YL almost  
always, apparently the YL is in charge of continuity. Each hour there is a  
newscast generally. After the nx AA musix for about 10 minutes, then an OM  
with a news or feature story. Sometimes even a radio drama. Some Quran  
readings and reception is usually best about 0200, before and after that time  
there is flutter and fading, and an increase in noise. 444(3-30 Dampier-NY).  
@2140 AA; AA mx recorded live, ID 2200, then drama pgm. 433(3-14 Dillion-MD).  
17675 1230 RC: EE; ID by YL, then NA and nx by YL. 333(3-23 Trotto-FL). @1315 on 17669a  
AA; vcl mx w/OM & YL ancrs, Quran recitations at 1328 and full ID as listed  
in WRTH at 1334, nominal 17670. fair(3-29 Thunberg-PA). @1345 EE/Bengali; OM  
w/ID and address, AA mx on hammer dulcimer chimes, ID in EE and then nx in  
Bengali. 333(3-16 Dillion-MD).

**EQUATORIAL GUINEA** R. Nacional- Bata, Malabo; R. Africa (Int'l Sce)  
4925v 2151 RN-B: SS; hllife mx, ID "R. Nacional", NA s/off at 2159. 343(4-7 Habak-WV).  
6250 2130 RN-M: SS; mx and nx. 322(3-4 Pyatt-VA).  
15106 2008 RA: EE; pgm from "New Testament Christianity" in Dexter, NM, pgm ended at  
2023 w/o ID. 444(4-8 Sharp-FL).

**ETHIOPIA** VORE- Gedja  
9560 1500 VORE: EE; hour long pgm of US country mx (just what I tune to Ethiopia to  
hear!) w/OM ancr, show on each Friday w/EE nx 1602. 233(3-15 Quaglieri NY).

**GABON** Africa #1, R. Japan & R. France Relay- Moyabi Moanoa; RTVG- Libreville  
4777 2200 RTVG: FF; Afro mx, then nx by YL w/correspondent's reports, mx interludes  
between items, UTE QRM at 2220, also nets. 232(3-7 Dillion-MD).  
4810 0535 Africa #1: FF; ID by YL, disco mx and pop vocals, cigarette ads w/old west  
theme. 333(3-22 Goodman-IA). @0623 FF; hllife mx, YL w/ad, ID by YL, OM and  
"bonjour . . ." 433(3-20 Thompson-CA).  
4810 2145 Africa #1: FF; wld nx by OM, hllife mx, ID by YL at 2200. 444(3-8 Dillion-MD).  
@2156 FF; nx by 2 OM, ID and into pop mx. 343(3-21 Trotto-FL). @2234 FF;  
rather bland pgm of "soul" mx and US recurrents, strongest Afro on 60m.

545(4-10 Sharp-FL). @2240 FF/vern?; bouncy hiliife mx, then song in dialect unknown, ments of "America" in lyrics. 555(3-16 Sable-NY). @2255 FF; heavy drums w/chanting, Afro mx, OM ancr tx and full IDs. 454(3-31 Desrosiers-MA).  
 11940 1704 Africa #1: FF; OM ancr w/hiliife mx. 333(3-28 Thompson-CA). @1930 FF; OM w/lcl mx and many IDs, some reggae mx too. 444(3-16 Coleman-MA). @1945 FF/EE; sould mx w/occasional EE. 433(3-17 Camillo-NY). @2205 FF; disco song "She's My Lady", ID & TC at 2205 by YL, then reggae and hiliife mx. 444(3-14 Dillon-MD). @2210 FF; vocals and piano mx, ID/tx to s/off at 2302. 454(3-15 Thompson-NM).  
 15200 1655 Africa #1: YL w/hiliife mx, freqs, ID, s/off at 1658. 443(3-28 Thompson-CA).

**GHANA**

GBC- Accra  
 3366 0620 GBC: EE; YL reading what sounded like nx, ID at 0624 as "you are tuned to the GBC", very bad QRM. 322(3-11 Rocker-MS).  
 4915 2141 GBC: EE; woman singing accompanied by guitar, OM w/ID, then nx and TC. 342(3-21 Trotto-FL). @2140 EE; hiliife mx, then wld and lcl nx by OM, choral mx and Quranic recitations at 2158, singing to s/off at 2205. 232(3-22 Dillon-MD). @2145 EE; nx, ID, and TC. 333(3-22 Camillo-NY). @2256 EE/vern; On late tonight? Noted w/OM nx then choral mx and vocal rendition of NA to 2300, periodic breaks in broadcast- apparent xmtr problems. 433(4-10 Sharp-FL).

**GUINEA**

RD Nationale- Conakry  
 4910 2315 RDN: FF; OM tx abt government operations, into choral & reggae mx, but nothing on 15310 kHz. 343(3-31 Sharp-FL). @2351 FF; hiliife then s/off w/anmnts and ID by OM, low modulation, then NA, carrier cut out about 1 1/2 later, revealing Latin. 353(3-20 D'Angelo-PA).

**LESOTHO**

R. Lesotho- Maseru  
 4800 \*0259 LNBS: Sesotho; NA and s/on ID and ancmnts, into rel choir mx, then long tx by OM. 2+52+(3-26 D'Angelo-PA). Also at 0259 EE/??; English ID and into vern. 222(4-2 Habak-WV). @0331 EE; brief OM tx, ments of Maseru, into organ mx and morning prayer, sig was underneath cochannel UTE. 433(4-5 Sharp-FL). @0340 Sesotho; tx and organ/piano mx, vocals and some UTE QRM. 444(3-26 Thompson-NM). @0424 EE; native mx w/YL in unid lang until 0430, then OM w/wld nx in EE, TC as "twenty before seven" but no positive ID. 433(3-8 Brewer-AR). @0430 ??; nx pgm then tx between 2 OM, no pos ID, lots QRM. 222(4-11 Manning-TX).

**LIBERIA**

LBS- ELBC, ELWA; VOA Relay- Monrovia  
 4760 2140 ELWA: EE; rel pgm, nx at 2200. 433(3-7 Camillo-NY). @2155 EE; rel pgm from Hollywood, CA, pub ser ancmnt to drive safely, TC at 2200, nx "From the ELWA Newsroom, we bring you the news of Liberia". 343(3-1 Dillon-MD). @2204 EE; nx & VOA rebroadcast, then ID. 343(4-7 Habak-WV).  
 11850 0530 VOA Relay: FF; Afr Ser, mx and ID at 0530, into nx. 355(3-12 Rocker-MS).  
 15600 2100 VOA Relay: EE; ID, nx/orch mx, TC/cmy on Press Conf. 454(3-15 Thompson-NM).  
 17870 1611 VOA Relay: EE; ID, nx by YL, then nx abt S. Africa. 343(3-21 Trotto-FL). @1637 EE; OM tx abt African track & feild, then mailbag pgm. 454(3-11 Bingham-MA).

**LIBYA**

Libyan Jamahiriyah Bdcst, R. Jamahiriyah  
 3200 0210 LJB: AA; ID by OM, lots of tx abt the "Jamaheer" (the masses), nx. 343(3-23 Dillon-MD). @0515 AA; Koran recitations, and tx by OM, then lcl mx, some ARO SSB QRM. 232(3-10 Goodman-IA).  
 9890 2145 LJB: AA; tx abt the muslim brotherhood in Sudan, then world nx, ID, more AA mx. 433(3-12 Dillon-MD). @2225 AA; constant tx by OM, some anthem "march" mx at 2227, sig clear today, nx 2230 ments of Beirut. 444(3-19 Abbinante-IL).  
 11815 0120 LJB: AA; AA style chants w/tx by OM in between mx selections. 333(3-23 Weikel-MI). @0317 AA; continuous AA vcls, low MUF to N. Africa and only fair reception, // to better 3200. 333(4-5 Sharp-FL).  
 11815 2233 R. Jamahiriyah: EE; ID, then "Libya is Prospering" pgm, then pgm on The Green Book at 2249, lots of cochannel QRM from BBC in PP. 343(3-31 Sampson-WI). @2240 EE; OM/YL report on an Islamic conference and an Islamic university, sig improving by 2300. 222(3-10 Bair-CA). @2303 EE; instrumental mx and vcls, tx on revolution and wld peace. 454(3-17 Thompson-NM). @2308 EE; rock mx pgm! Haven't heard them here for awhile. 433(3-22 Soomre-MA). @2310 EE; nx and cmy on revolutionary principles. 444(3-17 Goodman-IA). @2335 EE; YL/OM tx of revolution, mailing address and pgm skeds at 2336. 333(3-18 Freeman-AZ).  
 15040 0525 Voice of the Libyan People- Clandestine: AA; tx by YL who did not seem to be a professional announcer, slight jamming. 444(3-16 Wood-HI).  
 15040 \*1800 Voice of the Libyan People- Clandestine: AA; flute mx and ID by OM ancr, mx and tx by OM, ID again. 333(3-19 Trotto-FL). @2030 AA; cmy. 544(3-24 Hunt-NC). @2101 AA; ID and string mx. (3-24 Chituck-MD). @2140 AA; ID by OM as "huna ush-sha'ab il-Libj", AA mx, and then emotional anti-Qaddafi speech. 343(3-19 Dillon-MD).  
 15450 1920 R. Jamahiriyah: EE; "Letters from Britian", ID, and "Weekend Melodies", mx by Cool & the Gang, cmy from The Green Book, sudden loss of sig at 1947. 353(3-

16 Johnston-NY). @1920 EE; tx by YL & OM of Libyan resistance against Italians and fight for independence, ID at 1926 as "you are listening to the African Service of RJ", QRM de 15455 Radio Moscow. 434(3-23 Berri-CA). (ed note- good report, Jason!). @1923 EE; OM/YL w/cmt, ID and OM w/letters, then "Weekend Melody", mx. 545(3-23 Schlick-WI). @1945 EE; "Probe" followed by "With the Leader" speech by Qaddafi. 333(3-14 Leeman-RI). @1926 EE; ID as African Ser, "Weekend Melody" pgm, and Tripoli & Malta addresses. 545(3-31 Wallenhorst-OH).

- 17930 1538 LJB: AA; OM w/tx of the region, severe QRM, and no definite ID. Assumed it was Libya after referring to WRTH. 211(3-31 Freeman-AZ).
- 17940 1530 Voice of the Sudanese Popular Revolution- Clandestine: AA; Sudanese mx, pgm "ma'a ash-sha'ab" (with the people), ID as "Huna sawt uth-thawrat Isha'abiyah is Sudaniyyah". 444(3-2 Dillon-MD). (ed note- this is an excellent catch, anyone else on this one?).

MADAGASCAR

R. Nederland Relay; R. Madagasikara

- 5010 \*0258 RM: Malagasy/FF; IS and choral NA, ID and tx by OM and into choir singing. 242(3-31 D'Angelo-PA). @0300 FF; usual IS, choral NA, OM ID and into organ mx, most common ID used on this stn is "R. Malagasy". 333(3-30 Sharp-FL).
- 9540 2033 RN Relay: EE; nx by YL w/ID, then "Newsline", and OM tx abt missiles in Holland. 333(3-15 Bingham-MA). @2115 EE; new freqs announced into effect after March 31. 544(3-25 Hunt-NC). @2230 EE; "Happy Station" show w/Tom Meyer, he stated show would be going to 55 minutes. 444(3-24 Wood-HI).
- 11740 2030 RN Relay: EE; "Happy Station" show. 454(3-17 Fraser-MA). @2115 EE; "Ghost Busters", then SW Feedback, and tx abt the upcoming "Dutch by Radio" series, s/off at 2125. 444(3-9 Dillon-MD).
- 15570 1726 RN Relay: AA; mideast mx, OM w/EE address and ID. 323(3-26 Hills-BC).
- 21480 1435 RN Relay: EE; ID and Tom Meyer and the Happy Stn pgm. 343(3-24 Trotto-FL).

MALI

RN du Mali- Bamako

- 4783 0625 RNM-B: Vern; OM tx. 343(4-1 Weikel-MI). @0700 FF; mx/tx. 444(3-4 Pyatt-VA).
- 4783 2140 RNM-B: Vern/FF; OM vcl in vern w/string instrument, severe UTE QRM at 2215 and continuous het, finally ID in FF at 2230 and possible nx. 322(3-11 Dillon-MD). @2306 FF; lcl vcl mx, very strong reception, doubt it the old 18 kw xmtr still in use, // to 5995. 444(3-31 Sharp-FL). @2338 FF; plenty of hilife mx, ancmts and ID, then s/off w/NA, plug pulled DURING NA, noted next day w/tx by OM and instrumental mx and better sig. 333(3-10 D'Angelo-PA). @2340 FF; lots of mx, some pop US mx notedsuch as Stevie Wonder, ID at s/off 0000. 333(3-10 Denton-KY).
- 5995 0343 RNM-B: FF; lcl mx, some w/Cuban rhythm, OM tx, great reception here, //w/4783 and 7285. 434(3-31 Sharp-FL).
- 7285 2252 RNM-B: FF; drum instrumental to 2253, then OM tx w/sound effects and laughing in background, // to 4783 and 5995, both excellent today. 343(4-6 Sharp-FL).

From David Sharp comes this latest info from a hand written pgm schedule he recently received: freqs of 4783, 4838, 5995, 7285, 9635. Broadcast hrs are as of those listed in WRTH. Currently 4783 and 5995 offer excellent recptn, 7285 is marginal. 4838 & 9635 are yet to be confirmed. Also sig strength on 4783 seems to indicate they have dumped the aging 18 kw xmtr. Unfortunately this was not confirmed on the QSL. (ed note- tnx David).

MAURITANIA

RNM- Nouakchott

- 4845 0612 RNM: AA; Quran recitations, mx on stringed instrument, alternates with OM tx, CW QRM. 333(3-11 Freeman-AZ). @0635 AA; chants and OM singing AA style mx accompanied by stringed instrument. 444(4-1 Weikel-MI).
- 4845 2200 RNM: AA; OM discussing AA culture, bagpipe mx w/UTE QRM becoming heavy at 2225, lcl mx at 2230. 333(3-8 Dillon-MD). @2230 AA; long tx in AA, several ments of Mauritania and Nouakchott, no positive ID heard. 343(3-31 Desrosiers-MA). @2255 ??; Afro string instrument mx, OM tx to 2301, more mx. 343(3-9 Weikel-MI). @2340 Hassaniya AA; continuous AA mx w/usual guitar solos, obliterating cochannel Latin. 434(4-1 Sharp-FL).

MAURITUS

MBC

- 9709 0247 MBC: ??; pgm of Indian mx noted in passing this evening, did not think it was Mauritius until seeing an April log listing last month, and it seems to fit, WRTH lists an Indian language until 0300. Fair-gd(4-2 Sharp-FL). @0307 FF; pgm of mx w/OM DJ w/taped IDs by FF YL, long tx by OM to 0331, then lost to fade-out by 0400 EE came on. 222(3-18 Quaglieri-NY).

MOROCCO

RTVM, VOA Relay, R. Mediterranee Int'l

- 11760 2005 VOA Relay- Tangiers: EE; ID and wld nx. 333(3-17 Trotto-FL).
- 15105 2110 RTVM: AA; vcl and instrumental mx, short tx by OM, KO'ed by DW in PP at 2125, // to 15335. 333(3-28 Schmutz-NY).



**NAMIBIA**

- 3295 0130 R. SWA- Windhoek  
R. SWA: EE; EZL mx straight through to 0200, ID by YL. 343(3-10 Dillon-MD).  
 @0150 Afk; vocals and tx, instrumental mx w/pianos and organ, ID at 0230.  
 444(3-17 Thompson-NM). @0300 EE; US pop mx w/ID, then more mx. 434(3-2  
 Bishop-NY). @0310 EE; EZL mx including "Ghost Riders in the Sky", ID and TC  
 at 0300. 232(3-13 Goodman-IA). @0330 EE; continuous pop mx, ID at 0400.  
 333(3-28 Camillo-NY). @0340 EE; folk mx. 444(3-5 Pyatt-VA).
- 3295 2336 R. SWA: Afk; pgm of lite mx, //to 3270 which was weaker and under UTE. 343(3-  
 31 Sharp-FL).

**NIGER**

- 5020 2145 ORTN  
ORTN: FF; Radio drama, 2125 flute mx, ID and nx, 2157 flute and s/off  
 w/ancmts and NA, off at 2201. 232(3-22 Quaglieri-NY). (ed note- great logging  
 AJ, we don't get many from Niger!).

**NIGERIA**

- 4770 0444 VON, FRCN  
FRCN- Kaduna: EE; YL w/African nx on Zaire, nx of Nigerian Supreme House, and  
 Transportation Committee, TC and ID at 0446. 434(3-16 Johnson-IL). @0515 EE;  
 YL w/nx of Nigeria & wid, ID at 0520. 443(3-16 Thompson-CA). @0615 ??; OM  
 w/sports in Africa. 433(3-10 Valentine-CA).
- 4770 2144 FRCN- Kaduna: EE; people and events, ID, OM tx abt apartied in SA, mx. 333(3-  
 20 Gerstner-NY). @2145 EE; list of newly elected bank officials, ID, and rpt  
 on Nigerian Agriculture, mx by Chicago. 233(3-7 Dillon-MD). @2200 EE; cmty,  
 ID by OM, then Nigerian nx. 333(3-21 Trotto-FL). @2200 EE; Nigerian nx, YL  
 w/tx abt Nigeria's agriculture problems. 433(3-14 Camillo-NY). @2243 EE;  
 reggae mx, and into pop mx, slight splatter de Mayak on 4765, recheck after  
 2255 revealed OM w/nx headlines. 333(4-6 Sharp-FL).
- 7255 0535 VON- Lagos: EE; OM w/nx and ID as "you are listening to the VON, Lagos" at  
 0537, hets and fading. 222(4-3 Freeman-AZ).
- 7255 2124 VON- Lagos: unid; OM w/instrumental mx, ID, more Afro mx. 333(3-25 Schlick-  
 WI). @2130 FF; choral mx and rel tx, soul rock mx, ID at 2145, more rock mx  
 and ballads. 343(4-5 Weikel-MI).

**RWANDA**

- 11730nf 0000 R. Rwandaise, RDW Relay- Kigali  
DW Relay: GG; IS, ID as Kigali relay, into nx. 454(3-12 Rocker-MS).
- 17800 1325 DW Relay: FF; hilife, nx, ID by YL at 1330, freedom songs. 343(3-2 Dillon-MD).
- 17860 2000 DW Relay: (via satellite): GG; daily 10 minute nx, Mon-Fri 5 min of cmty, at  
 2035 most days "Notes & Notices of Germany", then brief DX pgm on Friday,  
 site engineer w/ID at s/off. average 353(3-3,4,7,8,10 Munster-GA).

**SENEGAL**

- 4890 \*0600 ORTS- Dakar  
ORTS: FF; IS on harp, NA, then ID in FF and into nx, hrd well almost every  
 nite. 455(3-19 Rocker-MS). @0619 AA; OM chanting, another OM w/lengthy tx,  
 very dull tonight. 332(3-20 Thompson-CA).
- 4890 2215 ORTS: FF; nx cmty by OM FF, 2230 ID, into African mx. 333(3-24 Weikel-MI).  
 @2200 FF; slightly off listed freq, long tx by YL and then by OM- perhaps nx,  
 then mx and more tx, full ID at 2215, several ment of Senegal. 343(3-31  
 Desrosiers-MA). @2302 FF; OM tx w/eed instrument mx in background, ments of  
 Dakar at 2332. 444(3-31 Sharp-FL).

**SEYCHELLES**

- 9600 \*1700 FEBA  
FEBA: Somali(t); IS, ID as "radio Fee-Bah" by OM, tx and African style vocal  
 mx. 322(3-17 Carlson-WA).
- 11750 1820 FEBA: Amharic; req rpts to Nairobi box, ID, nx, //9571. 444(3-19 Wood-HI).
- 11895 1600 FEBA: EE; nx by YL, ID by OM, IS and s/off at 1607. 222(3-13 Carlson-WA).

**SOUTH AFRICA**

- 3230 0300 R. RSA, SABC  
R. RSA: EE; African mx, ID, rel pgm w/quotes from Bible, //4990(222). 232(3-  
 17 Dillon-MD). Also at 0300 EE; Voice of Africa, nx. 323(3-5 Hunt-NC).
- 3250 0409 SABC- Radio Five: EE; pop mx & ads. 342(3-30 May-OH).
- 3930 0303 Capital Radio- Transkei: EE; rock mx, weather forecast, ID as "This is  
 Capital Radio, today is the 7th of March, good morning", then David Bowie mx,  
 recently rec. pgm says its the "Early Bird Show" w/Oscar Renzi, TC then spts  
 roundup. 333(3-7 D'Angelo-PA). At 0300 EE; folk mx. 322(3-5 Pyatt-VA).
- 4835 0410 SABC: EE; dis of wheat production in the RSA, and how frost and disease ruin  
 the crops. 444(3-10 Drollinger-WI). @0414 EE; OM w/mx. 343(3-16 Johnson-IL).
- 4880 0347 SABC: Afk; nx read by OM, severe UTE QRM on low side. 333(4-3 Sharp-FL).
- 4880 2122 SABC: Afk; tx abt Grand Funk Railroad, and their mx. 434(3-15 Bishop-NY).
- 5980 0200 R. RSA: EE; nx and "Nightline" pgm, interviews w/African leaders, tx abt  
 apartheid. 433(3-19 Byron-PA). @0200 EE; nx and "Economic Review" then  
 "Africa Today". 433(3-30 Macrie-NJ). @0206 EE; nx by OM ancer, cmty abt Sen.  
 Kennedy's visit to SA, "Africa Today", tx abt SA gov. 444(3-8 Bingham-MA).
- 6010 0155 R. RSA: EE; IS, ID, TC, then "Africa Today", freqs and target areas, nx,

cmty, piano mx. 454(3-27 Thompson-NM). @0200 EE; OM w/Economic Review. 444(3-9 Valentine-CA). @0200 EE; "Africa Today", and nx. 433(3-15 Macrie-NJ). @0245 EE; changes in SA gov but cont poor press coverage. 544(3-13 Valentine-CA).

9585 1259 R. RSA: EE; IS at 1300, then into nx headlines by OM abt riots in SA, some mix w/R Sofia but 90% copy. 323(3-22 Sharp-FL).

9585 2214 R. RSA: EE; mx, OM w/ID, letters & skeds. 444(3-9 Schlick-WI).

9615 \*0158 R. RSA: EE; ID and TC, headlines and details, then "Africa Today". 454(3-22 Thompson-NM). @0159 EE; three IS, ID by OM, NA, "Africa Today". 454(3-13 Trotto-FL). @0200 EE; IS and s/on, nx and address, then "Touring RSA" and "DX Corner", nx, s/off at 0256, //5980 & 6010. 354(3-3 Neuverth-CO). @0205 EE; OM w/ID, weekly economic nx, cmty. 444(3-22 Addison-KS). @0214 EE; "DX Corner w/ SPEEDX Report". 555(3-24 Chituck-MD). @0230 EE; OM & YLw/ID and economic review of SA due to race problems. 444(3-20 Langlois-GA).

9765 0540 Capital Radio- Transkei: EE; ads and TC, then "The Adventure of Captain Clemmon", ad. Is this the SA Superman?! 312(3-15 Rocker-MS).

11790 0640 SABC: EE; cur aff pgm, tx on Coca-Cola's secret formula. 344(3-12 Rocker-MS).

11900 0625 R. RSA: FF; end FF bdcst and into IS, mixing w/unid. 142(3-11 Quaglieri-NY).

11900 2148 R. RSA: EE; OM w/cmty abt wines, ID and s/off at 2155. 444(3-25 Schlick-WI).

15220 0700 R. RSA: EE; pgm to GB and Ireland, strongest sig on band by far, very solid and //to 11900 (355). 455(3-12 Rocker-MS).

15345 1625 R. RSA: Swahili; request rpts, DJ show, //11900, this is a rare new freq for R. RSA, may replace sked 9585 shown in 1985 WRTH. 444(3-21 Wood-HI).

21525 1500 R. RSA: EE; "Africa Today" w/wld & Afro nx. good(3-11 Thunberg-PA).

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

\*\*\*\*\*

\* **SUDAN:** Pop: 20,539,000; Pop Density: 19.32 sq mi; Ethnic Groups: North- Arabs, \*  
 \* Nubians; South- Nilotic, Sudanic and Negro tribes; Languages: Arabic (official), \*  
 \* various tribal dialects; Religions: Muslims 73%, animist 18%, Christian 9%; Geo \*  
 \* Area: 966,757 sq mi- largest country in Africa; Typography: North- desert, \*  
 \* Central- large, fertile rainy areas with pastures and fields, South- rich soil, \*  
 \* heavy rain; Capital: Khartoum; Economy: textiles and food processing; Currency: \*  
 \* pound 1.30= \$1 US; Gross national product: \$8.8 billion; Per capita income: \$370; \*  
 \* Literacy: 20%; Life exp: 43; Radios: 1.3mm. \*

\*  
 \* Unfavorable economic policies in Sudan, among which included high fuel prices \*  
 \* and gas rationing, caused severe rioting in Sudan's two major cities, Khartoum and \*  
 \* Omdurman, taking Sudan's National Broadcasting Service off the air. An early \*  
 \* morning April 6 newscast from Mutual reported that the rioting has subsided and \*  
 \* that things were reported calm. In the meantime, it was also reported that Colonel \*  
 \* Quaddafi had encouraged the rioters to overthrow the Sudanese Government. At 4:30 \*  
 \* AM during the Larry King Show, Mutual News reported that Sudan's broadcasting \*  
 \* service was back on the air, and that a successful military coup had occurred. \*

\*  
 \* Time Magazine reported that President Gaafar Nimeiri was approaching the \*  
 \* Cairo International Airport, planning to stop over and meet with Egyptian Pres. \*  
 \* Hosni Mubarak, when he heard the news that the Sudanese armed forces lead by his \*  
 \* closest associate Commander General Abdul Rahman Suwar Al Dahab, had over thrown \*  
 \* him. This coup climaxed a period of turmoil, and it is planned that the military \*  
 \* wanted to get control of "the worsening situation in the country" and that power \*  
 \* would be transferred "to the people after a limited period." This new regime not \*  
 \* only dismissed Nimeiri, but suspended the constitution, imposed martial law, and \*  
 \* dissolved the Sudanese Socialist Union, the country's only political party. \*

\*  
 \* 5039 0359 NBC- R. Omdurman: AA; string mx, 5 pips and AA ID and freqs, Koran \*  
 \* recitations, ID again at 0415, flute mx. 433(3-11 Quaglieri-NY). \*

\* 5039 2145 NBC- R. Omdurman: AA; mid-east nx read by OM; Koranic recitations, \*  
 \* tent ID before NA and s/off at 2200, persistent loud het. 232(3-10 \*  
 \* Dillon-MD). \*

\* 17930 1607 NBC- R. Omdurman (t): pgm s/on w/"Reveille" played on bugle, OM \*  
 \* w/tx and mx; frequent ments of "Sudan", also tent "Voice of the \*  
 \* Sudanese . . ." then f/o. 222(3-31 Freeman-AZ). \*

\*  
 \* Thanks to David Sharp-FL, Peter Dillon-MD, Al Quaglieri-NY, and Freeman-AZ. \*

\*\*\*\*\*

SWAZILAND

TWR- Manzini

3205 0311 TWR: vern; hymns, IS and s/off at 0345, only noted 3-4 and 3-17s, pretty \*  
 \* weak, back on 3200, was 5kHz. move to avoid Libya? poor(3-4&17 Sheedy-CA). \*

4760 0255 TWR: Shona; IS and ID, Christian hymns, piano mx. 454(3-16 Thompson-NM). \*  
 \* @0345 unid; IS. 434(3-16 Bishop-NY). \*

4980 0455 Swaziland Commercial Radio- SR: EE; instrumental mx IS, ID at 0500 w/anncmnt \*  
 \* of special Sunday morning rel pgm, mx from 0501 to 0530. (3-31 Bigley-TX).

5055 0355 TWR: GG/EE; freq dominated by TIFC Costa Rica, but hrd TWR unmistakable IS underneath, all religion, although WRTH lists 5955, think this freq is more correct. (4-4 Palmer-WA).  
 9785 1655 TWR: EE; preaching, ID by OM in several langs. 333(3-5 Lougee-AK).  
 9880 0919 TWR: EE; skeds for Africa and costal islands, FF, Malagasy and Swahili langs noted, ID. 3-23(252 Bowden-CA).  
 11760 0645 TWR: EE; ID and ments of upcoming rel pgms. 333(3-12 Rocker-MS).

**TANZANIA**

R. Tanzania- Dar es Salaam

9749 0330 RT: vern; African native mx, OM w/deep voice, very poor and lots of QRN, hrd until 0415. 222(3-12 Witte-CA). @0640 Swahili(t); presume Dar es Salaam here, very weak, believed to be nat'l ser. weak(3-11 Quaglieri-NY).

**TOGO**

R. Togolaise- R. Togblekope, R. Kara

3222 0625 R. Kara: FF; YL anncer, tx, many ments of "Kara, probable ID at 0625, QRN. 332(3-12 Rocker-MS).  
 5047 0630 R. Togblekope: FF; mx w/tx by OM, clear ID 0632, gd sig! 444(3-11 Rocker-MS).  
 5047 2144 R. Togblekope: FF; FF and US pop mx, OM DJ, wld and lcl nx at 2200, interview at 2211. 242(3-6 Dillon-MD). @2318 FF; continuous mx, anthem, QRM 2355. 444(3-27 Weikel-MI). @2320 FF; pgm of light orchestral mx, including the classic "When a man Loves a Woman", occ OM tx. 433(3-31 Sharp-FL).

**TUNISIA**

R. Tunis

7255 2158 RT: FF; Arabic chants, tx, Rock & Roll mx, telephone interviews but no ID, lots of ARO QRM after 2230. 343(4-5 Weikel-MI).

**UGANDA**

R. Uganda- Kampala

5030 0337 R. Uganda: EE; laid-back OM tx abt Kampala, TC and into vern lang and lcl mx. 343(4-4 Sharp-FL). @0409 EE; OM w/nx, ID, into marching NA, then what sounded like PSAs. 222(3-16 Johnson-IL).

**ZAMBIA**

R. Zambia- Lusaka

0333 4911 R. Zambia: vern: definite Fish Eagle IS at 0333, s/on into unid lang, much QSB, possible short segment in EE at 0355, tent ID. 222-343(Habak-WV). @0400 vern; IS, and tent NA, ID and tx by OM. 434(3-12 Trotto-FL). @0355 EE/vern; distinctive IS until 0400, vern ID, NA, into vern tx. 434(3-24 Rocker-MS).

**Misc. African Notes:**

From David Sharp- Clandestine Radio Truth continues periodically heard before 0400 on 5015 kHz. They continue to broadcast material hostile to the Zimbabwe government. The Voice of the Libyan People, also a clandestine, on 15040, has not been heard here in a while. Interestingly enough, the "siren" jamming often heard cochannel, is no longer present. Here's something unusual . . . a new broadcast from the FPLA has been heard early mornings (1300 or so, the time is variable) on approx. 9600v, with broadcasts in AA and EE. Announcements clearly mention this is an FPLA broadcast, but a bona fide station ID is never given. Good strength of broadcasts seem to indicate a possible transmitter site in Libya.

**The following SPEEDXers made this column possible:**

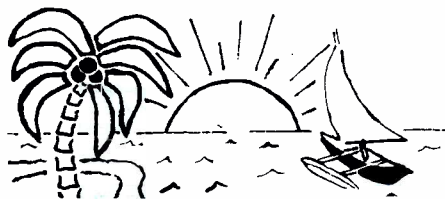
|                    |                  |                   |                |
|--------------------|------------------|-------------------|----------------|
| Phil Abbinante     | Joe Addison      | Mason Bair        | Artie Bigley   |
| Frank Bingham      | Forrest Bishop   | Ralph Bowden      | Don Brewer     |
| Leslie Byron       | Michael Camillo  | Virgil Carlson    | B. Chituck     |
| Robert Coleman     | Richard D'Angelo | Phillip Dampier   | Steve Denton   |
| Robert Desrosiers  | Peter Dillon     | Rick Drollinger   | Bob Fraser     |
| John Freeman       | John Gerstner    | Joel Goodman      | Speed Gray     |
| Norman Grosvenor   | Ted Habak        | Billy Hunt        | Bruce Johnson  |
| Fred Johnson       | Harold Langlois  | Leeman            | Ken Lougee     |
| Virginia Macrie    | Sandy Manning    | Ronald May        | McKinney       |
| Ralf Munster       | Michael Neuverth | Bob Palmer        | Edward Pyatt   |
| Al Quaglieri       | Betsy Robinson   | Raymond Rocker    | Thomas Sable   |
| Daniel Sampson     | Toby Schlick     | Scott Schmutz     | Davis Sharp    |
| Dan Sheedy         | Edward Soomre    | Norman Stephenson | Glenn Thompson |
| Peggy Thompson     | Robert Thunberg  | Ron Trotto        | Fred Valentine |
| Robert Wallenhorst | Frank Weikel     | Craig Wicks       | Majorie Witte  |
| Richard Wood       |                  |                   |                |

Thanks to all for the super loggings. We had even more contributors than last month, let's keep up the fine work. Even with summer at hand, the Africa column continues to utilize its full space allotment, and then some! Until next month . . . good listening.

# ASIA-OCEANIA

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DuBois, PA 15801



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

Spring fever has struck this editor with an unexpected side effect-writer's block! My mind stares in silence at this sheet of paper, therefore I will get on to the loggings and hope that I have some information to pass along by the time I reach the end of the column. The number of contributors to A/O is up to 75 this month (compared to 58 in March and 66 in April) and here's what they heard.....

## BANGLADESH

R. Bangladesh

9775 1330 **RB:** NEPALI(?): S. Asian vcls; caught Bangladesh QTH @ 1345 s/off; co-channel QRM (222 3/16 Dillon-MD)  
11935 \*1228 **RB:** EE: IS, s/on anncs by YL into nx by OM; lcl mx to 1300\* (232 3/24 Welch-MA) (322 3/11 Soomre-MA)  
17670 0800 **RB:** EE: YL w/TC & ID; "Voice of Islam" pgm w/ Qur'an; relig tlk, S. Asian mx; into BENGALI @ 0830 (353 3/23 Shimada-JP)

**BHUTAN:** NYAB is reportedly to receive a 60kW SW xtrr from India. Their current sked is: Wed. & Fri. at 1100-1400 on 3395 and Sun. 0600-0900 on variable 6890 to 6975 kHz. (Bob Padula, ARDXC on "Talkback" 3/24/85)

## BURMA

Burma Boating Svc

9750 0730 **BBS:** EE: mx & nx at 0800 (444 3/25 Shreedhar-India)

## CHINA (PEOPLE'S REPUBLIC)

R. Beijing

3310 1350 **Jilin PBS:** CC: lcl Jilin ID, tlk (433 3/21 Wood-HI)  
4020 1140 **RB:** KK: semi-class. mx; ID & tlk by YL (222 3/24 Prath-FL) NM  
4045 1315 **Fujian Front Stn-1:** CC: class. mx, some vcls & tlk (454 3/18 Thompson-FFS-2; CC: vcl & instl mx, tlks (454 3/17 Thompson-NM)  
4380 1240 **RB:** MONGOLIAN: IS & s/on hrd here & //5850 (222 3/10 Prath-FL)  
5145 1200 **FFS-2:** CC: CC mx (444 3/15 Lougee-AK)  
5770 0900 **Heilongjiang PBS:** CC: western pop instls; ID & nx(?) by OM & YL into CC pop mx; 4 IDs hrd (232 4/5 Sharpe-CA)  
6075 1200 **RB:** AMOY(?): IS & pgm w/YL; lost @ 1217 to CFXR QRM (232 3/9 Welch-MA)  
6095 1104 **RB:** CC: CC instl mx; poss. nx @ 1130; opera @ 1145; QRM'd by WYFR s/on at 1153 (353 3/10 Welch-MA) WRTH lists this as Taiwan svc....ed.  
6665 1150 **CPBS-1 Beijing:** CC: YL w/"Beijing Guangbo Diantai"(152 3/12 Rocker-MS)  
6860 2110 **RB:** EE: nx & cnty; //7480 (333 3/17 Camillo-NY)  
6890 1140 **CPBS-2 Beijing:** CC: YL tlk; CC mx; very weak (121 3/12 Rocker-MS)  
6955 0955 **RB:** JJ: oriental mx; radio play; //7480 hrd (333 3/24 Hevern-NY) @ 1200 in JJ w/tlk & CC mx, ID by OM (333 3/16 Prath-FL)  
7185 1950 **RB:** FF: CC folk mx; //7055, 7800; QRM de R. Moscow (422 3/3 Wood-HI)  
7505 0940 **CPBS-1 Beijing:** CC: western class. mx; superb signal (555 3/14 Nowicki-CA) 7504 @ 1210 w/tlks; no mx till 1230 (333 3/24 Prath-FL)  
7770 0900 **CPBS-2 Beijing:** CC: mx, nx & cnty by OM (323 3/10 Lougee-AK)  
8260 0940 **RB:** RR(?): the famous "reversed tape" Russian best played backwards; gibberish but def. a best of some sort (232 3/16 Rocker-MS)  
9365 \*1900 **RB:** ALBANIAN: ID "Ju flet Pekin", nx (444 3/19 Wood-HI)  
9440 1945 **RB:** EE: tlk on Shanghai (444 3/3 Wood-HI)  
9535 1145 **RB:** EE: "Listener's Letterbox" (322 3/17 Byron-PA) world nx & sports (555 4/9 Allen-CA) (353 3/7 Bowden-CA)  
9550 1500 **RB:** EE: wld nx & cnty; travel tlk; minority mx (434 3/26 Sharpe-CA)  
9610 \*2200 **RB:** SS: nx, ID "Aqui R. Pekin"; QRM de R. Moscow (533 3/25 Wood-HI)  
9700 0935 **RB:** EE: wld nx, ID @ 0935 (333 3/16 Rocker-MS) @ 1905 in RR: nx of the People's Congress; QRM de AFRTS & jamming (522 3/19 Wood-HI)  
9730 1438 **RB:** EE: mx, "Listener's Mailbox" (232 4/2 Quaglieri-NY)  
9820 1145 **RB:** EE: CC lang lesson (454 3/20 Trotto-FL) tlk on Kazakh people (444 3/22 Soomre-MA)

9920 1545 RE: HINDI: CC class. mx; ID, IS & 1555\* (443 3/25 Thompson-CA)  
 11445 0029 RE: SS: Chinese history & stories; //15600, 15180 (gd 3/14 Sheedy-CA)  
 11650 1200 RE: EE: wld & Asian nx; CC folk tale "Walking Thru a Wall"; //9820  
 (444 3/23 Alexander-NJ) (444 2/28 Seitner-VA)  
 11860 \*0000 RE: EE: musical instruments-Ids by sounds & origins (343 3/31 Desrosiers-  
 MA) "Across the Land" (322 3/26 Hills-BC) story "Prince and Swan" (533  
 3/17 Schlick-WI) @ \*0100 in EE: Mid East cnty; //11970, 9880 (343 3/19  
 Hevern-NY) Sung Dynasty history (333 3/25 Dillon-MD) (222 3/14 Chituck)  
 11970 \*2200 RE: SS: nx & cnty to LAm; QRM de jamming of R. Liberty (533 3/25 Wood-  
 HI) (3/14 Palmer-WA) @ 0000 in EE: "Press Clippings", "China Scrapbook"  
 (343 3/16 Dillaman-OH) CC lang lesson(3/14 Chituck-MD) (Byron-PA)  
 15180 2310 RE: SS: nx of Iran/Iraq war; ID (444 3/23 Schmautz-NY)  
 17775 2325 RE: SS: tlk on introduction of a market economy within 3 yrs; //15030  
 (555 3/25 Wood-HI)

C Y P R U S

Cyprus Besting Corp.; BBC Relay

6030 \*2210 CBC: GK: guitar IS, s/on w/march; nx into drama pgm; 2245\* (bcsts Fri.,  
 Sat. & Sun. only) (no date Welch-MA)  
 7135 0315 BBC: EE: "World Today" on S. Africa; QRM de RFI (533 3/20 Wood-HI)

I N D I A

All India Radio

9550 1820 AIR Delhi: HINDI: nx to Indian workers in the Gulf; //9515, 11620, all  
 good (444 3/19 Wood-HI)  
 7260 1340 AIR Vividh Bharathi: HINDI: clarification to Palmer-WA in SPEEDX 2/85:  
 it's a commercial svc w/MW (444 3/25 Shreedhar-India) sorry-out of order  
 11620 1745 AIR Delhi: HINDI: sitar mx; pgm sked (444 3/4 Wood-HI) @ 1843 in EE:  
 violin IS, ID, TC, freq sked //9665 & 7155), mx (243 3/20 Quaglieri-  
 NY) @ 2100 in EE: nx, Press Review (333 3/24 Camillo-NY)  
 11830 1755 AIR Delhi/Bombay: INDIAN: EE ID; nice pgm of Indian choral & drum mx;  
 ID & address @ 1830 (333 3/12 Witte-CA)  
 15140 0400 AIR Delhi: FARSI: ID "Inja Delhi", nx; into AA @ 0430; //17785. QRM de  
 R. Moscow (533 3/21 Wood-HI)  
 15335 1340 AIR Madras: EE: sitar mx (444 3/22 Wood-HI)

I N D O N E S I A

Radio Republik Indonesia

3215 1408 RRI Manado: IN: YL vcl; awful piece of Indo rock(?) mx(433 3/23 Thomp-  
 4607 1416 RRI Serui: IN: EZL vcls; OM w/ment of "Djakarta" & "meterband" (443  
 3/23 Thompson-CA)  
 4719 1518 RRI Ujung Pandang: IN: YL w/lagu lagu melayu (Indianized pop-style mx)  
 IDs by YL (333 3/16 Sharpe-CA) @ 1154 w/lcl & semi-western mx; ID @  
 1200 after TPs (242 4/7 Weikel-MI)(Rocker-MS) (Thompson-CA)  
 4870.4 ? RRI Sorong: IN: hrd here w/strong signal but poor mod.; ID "Inilah RRI  
 Sorong" (444 3/20 Miyauchi-JP)  
 4931.6 1045 RRI Surakarta: IN: variety of mx, pop to gamelan; poss. lcl nx @ 1059  
 w/IDs; uses this freq recently instead of usual 4899 (242 3/4 Miyauchi)  
 9680 1330 RRI Jakarta: IN: Indo mx; ID by OM @ 1357 "Programa Nasional Jakarta",  
 "Love Ambon" IS to 1400, TPs, nx (333 3/23 Dillon-MD)  
 11770 1543 RRI Jakarta: IN: YL w/listener's requests; ID, sked; IS into nx @ 1600;  
 nothing hrd on 11815 (333 4/5 Sharpe-CA)  
 11790 1201 V. of Indonesia: IN: nx by OM; YL w/ID @ 1210 into pgm of MOR & Indo  
 Pop mx (gd 3/22 Thunberg-PA) @ 1300 end of IN pgm into FF w/ID (353  
 3/12 Rocker-MS) @ 1500 in EE: nx of coup in Sudan (342 4/8 Bowden-CA)  
 (132 4/7 Weikel-MI)  
 11815 \*0000 RRI Jakarta: IN: IS, ID, warta berita; //11770; replaces 11700 (possibly  
 not anymore-see above log from 4/5...ed.) (333 3/14 Wood-HI)

I R A N

V. of the Islamic Republic of Iran

9022 \*1930 VOIRI: EE: widely hrd w/nx of war w/Iraq, Qur'an & Islamic pgms (444  
 4/6 Dampier-NY)(Hunt-NC)(Dillon-MD)(Kaessinger-FRG)(Hevern-NY)(Desros-  
 15084 1530 VOIRI: FARSI: endless tlk w/mx interludes; high-pitched tone jamming  
 (343 3/11 Abbinante-IL) nx w/ments of Khomeini, Sudan, Baghdad etc; mx  
 incl patriotic & ME songs (454 4/6 Weikel-MI) @ 1755 in AA: anti-Iraq  
 tlk; ID; jammed (423 3/24 Dillon-MD) (343 4/7 Weikel-MI)

I R A Q

R. Baghdad; Sawt ul Jamaheer

9670 2100 RE: EE: cnty on war w/Iran; AA mx (423 4/5 McKeon-IN) (444 3/10 Trotto-  
 FL) (444 3/12 Hunt-NC) @ 2215 w/tlk on "evil Iran"(333 3/31 Dampier-NY)  
 9745 1817 SuJ: AA: AA mx w/chorus; ID "Hathihi Itha'atu Sawt ul-Jamaheer min  
 Baghdad" (434 3/24 Dillon-MD)  
 11750 2200 SuJ: AA: soft clock chimes, TC, nx; QRM de FEN Japan (333 3/24 Wood-HI)  
 11770 2130 SuJ: AA: radio play; chimes @ 2200; ID, nx, mx (333 3/9 Dillon-MD)  
 13700 1720 SuJ: AA: ME mx w/OM tlk; YL w/ID @ 1750 (322 3/18 Abbinante-IL)(Hills-  
 BC) (Trotto-FL) (Weikel-MI)



I S R A E L

7412 2230 KI; EE: s/on w/skcd, nx; "Calling All Listeners", "DX Corner"(343 3/17 Kaessinger-FRG) @ 2310 in HH: cmtly, ID, mx (454 3/23 Weikel-MI) @ 0058 in EE: nx, mx (454 3/18 Thompson-NM) "Spotlight" (444 3/3 Dillon-MD)  
 7465 \*0400 KI Reshet Bet: HH: IS (different from ext. svc); relg tik, nx brief, ads, exercise pgs; nightly except Sabbath; //9385 (3+43 3/17 Munster-GA) (455 3/15 Rocker-MS)  
 7467NF 0420 KI Reshet Bet: HH: nx flanked by pop mx; test freq as defense against jamming (I'm assuming that the "J" means jamming Ralf) (342 3/25 Munster-GA)  
 9425 0500 KI; EE: nx, into FF @ 0515; reduced carrier & LSB, thus best hrd w/BFO on USB; QRM de Greece on 9420 & PSK; //9815, 9440, 9009 (Munster-GA)  
 9440 0000 KI; EE: Holocaust anniv. (443 3/21 Byron-PA)(Bishop-NY) @ 2000 w/"DX Corner"(444 3/17 Macrie-NJ) @ 2155 in FF (343 3/15 Dillon-MD) @ 2250 in EE: Passover celebration (433 4/5 Abbinante-IL) @ 0200 (Valentine-CA)  
 9815 0200 KI; EE: nx, "Travel Guide"(444 3/20 Langlois-GA) @ 0050 in HH/EE: tik abt science, IS into EE (Dillon-MD) @ 2001 in EE: "TGIF"(Bingham-MA)  
 11655 2000 KI; EE: "DX Corner" on becoming a ham (454 3/17 Fraser-MA) "Tourist Magazine" on birdwatcher's seminar (444 3/26 Seitner-VA)  
 12025 2254 KI; EE: nx, freq skcd 434 3/32 Chituck-MD)  
 17710 \*1400 KI; RR: IS, anncs; //15585 (jammed) (333 3/12 Rocker-MS)

J A P A N

3377.5 1032 NHK; Far East Network; Nihon SW Bcast  
NHK-Osaka: EE/JJ: to 1059 in EE w/folk tales; koto mx; YL & OM tik; ID "NHK Osaka hoso.."; //828 MW also hrd (fr 3/10 Sheedy-CA)  
 3607.5t 1230 NHK-Tokyo: JJ: tiks w/instrl mx; at 1259 hrd "Tokyo Hoso Desu" & off w/ no anthem. Tnx to Mike Hardester for tip! (fr 3/10 Sheedy-CA)  
 3910 1523 FEN: EE: varied mx, wx for US Bases (353 3/18 Unruh-HI)  
 3925 0801 NSB: JJ: OM & YL tik w/laughter; //9595 (332 3/21 Speer-CA) @ 1630 in JJ: rock mx (544 3/30 Unruh-HI)  
 3945 0805 NSB: JJ: R. Tampa 2nd pgs of oldies rock mx; //6115 (3/21 Speer-CA)  
 6115 0915 NSB: JJ: pop mx w/YL anncr (443 3/25 Unruh-HI)  
 6155 0755 FEN: EE: US "Top 40"; AP Network nx (453 3/19 Unruh-HI)  
 6190 0800\* NHK home svc-unknown site: JJ: list xtnrs, freqs; time signal & off. WRTH 85 lists 3 "emergency, irregular, SSB" freqs, but doesn't list the regular AM ones like this which have been on for 20 yrs.(333 3/26 Wood-HI)  
 9505 \*1300 NHK (R. Japan): EE: wld nx, "Current Affairs"; "Weekend Focus" (555 Neuverth-CO) "DX Corner" @ 1315 (333 3/24 Camillo-NY) (Allen-CA) @ 1535 w/"Our Heritage" & lcl TC (544 3/21 Thompson-CA) @ 0730 w/US/Japanese trade tiks (3/20 Bowden-CA) JJ lang lesson (444 3/26 Hills-BC)  
 9570 0400 NHK: RR: IS, ID w/ment of Tokyo; nx, oriental mx (333 3/2 Dillon-MD)  
 9595 1647 NSB: EE/JJ: intvw w/Japan-US Student Council reps; "NSB Asian Express" (444 3/17 Manderscheid-CA)  
 9670 1100 RJ: EE: science reporter on EXPO 85 near Tokyo (353 3/19 Bowden-CA)  
 11710 0000 RJ: EE: Asian nx; "Weekend Focus"; QRM de RAE (423 3/26 Hills-BC)(322 3/10 Bishop-NY) (322 3/24 Trotto-FL)  
 15195 \*0115 RJ: JJ: IS, ID by YL; OM w/EE ID, nx (343 3/24 Trotto-FL) cmtly on Japanese radio & TV systems (454 3/20 Thompson-NM) (Lougee-AK)  
 15235 0730 RJ: EE: Asian nx (433 3/28 Lougee-AK)  
 15350 \*2225 RJ: IN: JJ/EE ID, s/on w/"Selamat pagi. Inilah R. Jepang siaran internasional dari NHK"; nx (444 3/3 Wood-HI)  
 17755 2300 RJ: EE: wld nx, cmtly; pgs on technical schools in Japan; 2330\* (333 3/7 Pyatt-VA) (343 3/24 Gerstner-NY)(Denton-KY)(Rocker-MS) Nothing hrd at 2317 on 4/14. They are certainly hard to hear on ECNA...RBT

Satoshi Miyauchi-Japan sent in the following list of NHK local SW relay stations hrd at his QTH on 3/11 around 0930. He hopes this will be of some use to West Coast DXers who have lately been reporting some of these stations:

3259AM, Sendai, 1st Network; 3377.5AM, Osaka, 2nd Network; 3607.5AM, Hiroshima, 1st Network, 1000\*; 3607.5USB, Tokyo, 1st Network, \*1000, 3970AM, Matsuyama, 1st Network. Additional freqs hrd around 0730 were 6130, 6175, & 6190, all AM mode & all w/1st Network. Tnx Satoshi, this info should help the WCNA DXer where the WRTH doesn't. RBT

K A M P U C H E A

11938 \*1245 YOPK: LAO (listed); brief anthem, YL w/s/on anncs & ID; OM w/presumed nx incl many ments of Kampuchea & Vietnam; brief instrl mx, ID & into listed VV lang @ 1300 (good 3/29 Thunberg-PA)

V. of the People of KampucheaK O R E A

(PEOPLE'S DEM. REP.) R. Pyongsang  
 9745 1130 RP: EE: revolutionary dissertation (443 3/19 Bowden-CA) cmtly, nx, oriental mx; gd sig but pr voice quality (343 3/31 Weikel-MI)  
 9977 1200 RP: EE: hrd by many w/usual socialist cmtly, some mx (333 3/20 Trotto-FL)(Thompson-NM)(Hills-BC)(Welch-MA)(Camillo)(Prath)(Sharp-FL)

- 11660 \*2200 RF: KK: anthem, ID, nx (544 3/25 Wood-HI)  
 11830 0900 RF: EE: tlk on philosophy of the "Great Leader"(252 3/22 Bowden-CA)  
 15230 2300 RF: EE: sked, nx & tlk of "Great Leader" (443 3/23 Speer-CA)  
 15242 0800 RF: EE: OM w/"rx" of you-know-who (444 3/29 Lougee-AK) nom. 15245..ed.
- K O R E A (REPUBLIC OF) R. Korea  
 7275 1445 KK: EE: ID & freq list; world nx (444 3/29 Carlson-WA)  
 7550 2200 KK: EE: s/on, sked, nx; QRM het-poss. Jamming (151 3/17 Kaessinger-FRG)  
 9570 0845 KK: EE: "World News Svc", sked (254 3/16 Rocker-ME)  
 9750 1230 KK: KK: mx incl some gd KK pops (344 3/12 Miller-CA) @ 1300 & 1400 in  
 EE: nx, tlk pgm "Seoul is Calling"(433 3/22 Denton-KY) (Robinson-TN)  
 9870 1640 KK: EE: "SW Feedback" (444 3/24 Shreedhar-India)  
 11810 \*0145 KK: EE: ID "KBS from Seoul", entire(!) sked, nx; fading badly to 0158  
 inaudible (232 3/19 Hevern-NY)  
 15375 2330 KK: IN/KK: end IN, request for reports; KK ID, nx (544 3/25 Wood-HI)  
 15575 0145 KK: EE: tlk on Korean fisheries (444 3/20 Valentine-CA)
- K U W A I T R. Kuwait  
 9840 2145 KK: AA: free verse poetry w/cuts of western mx; live AA mx; ID, nx,  
 Qur'an, NA & 2221\* (433 3/13 Dillon-MD)  
 11675 1830 KK: EE: usual mix of western pop & AA mx, nx; weekly pgm "Mohammed, The  
 Light of Islam"(454 3/26 Bingham-MA)(Dampier-NY)(Macrie-NJ)(Berri-CA)  
 (May-OH) (Wallenhorst-OH) (Desrosiers-MA)
- L E B A N O N V. of Arab Lebanon; V. of Hope; R.V. of Lebanon  
 6233 \*0400 VoAL: AA: anthem, Muslim call to prayer; WRTH 85 lists only MW, but  
 this SW freq is well-established. (444 3/21 Wood-HI)  
 6215 \*0400 VoH: AA: IS, Lebanese anthem, into songs. WRTH 85 erroneously lists  
 this as "King" of Hope; MW is King, SW is Voice.(444 3/21 Wood-HI)  
 6550 2234 RVL: AA: AA vcels w/OM annrc; poss. nx @ 2315; 2328\* w/brief march; some  
 Ute QRM (242 3/16 Welch-MA)(333 4/6 Sharp-FL) also @ \*0411 w/"River  
 Kwai March"; AA & EZL mx (332 3/23 Welch-MA)
- M A L A Y S I A (EASTERN) RTV Malaysia  
 4835 1400 RTM Kuching: MALAY: pop mx, ID; proceedings of the Dewan Rakyat (Parlia-  
 ment/Federal Legislature) (343 4/5 Sharpe-CA)  
 4895 1335 RTM Kuching: IBAN(?): OM w/seemingly serious message (relg or politi-  
 cal?); //75005-Sibu (good 3/28 Palmer-WA) @ 1400 in IBAN: request pgm  
 of Malay & western pop mx; ID & s/off w/Negaraku (NA) (4/5 Sharpe-CA)  
 4950 1415 RTM Kuching: EE: lcl nx & cmty (333 4/3 Sharpe-CA) nx, ID @ 1445 into  
 Stock Market report (454 3/19 Berri-CA) @ 1300 in CC: tlks, piano &  
 vcl mx; TPs @ 1400 (454 3/15 Thompson-MM)  
 5005 1307 RTM Sibu: IBAN(listed): strange mx on plucked string instruments; OM &  
 YL w/tlks; strong w/some WWV QRM on LSB. Haven't caught this one in a  
 long time! (3/28 Palmer-WA)
- M A L A Y S I A (PENINSULAR)  
 5965 1520 RTM Kuala Lumpur: MALAY: Malay pop vcels; @ 1530 full ID, nx by OM incl  
 item on Thatcher's visit (333 4/5 Sharpe-CA)  
 7295 1158 RTM Kuala Lumpur: EE: EZL mx to 1200, then ID & nx; ARO splatter (333  
 4/10 Sharp-FL) Your logs arrived in time for me to use most Dave..RBT  
 9665 1540 RTM Kuala Lumpur: EE: western & CC pop mx; Islamic tlk; Blue Network  
 sked & s/off w/NA (333 4/2 Sharpe-CA) India  
 15295 0800 V. of Malaysia: EE: Overseas Svc of nx, mx requests(444 3/24 Shreedhar-
- M O N G O L I A R. Ulan Bator  
 4994.9M 1345 Choibalsan regional (tent): MONGOLIAN(?): Mongolian-type mx w/OM annrc;  
 TPs @ 1400 a-la Moscow into alltlk (poss. nx); no positive ID; splatter  
 de WWV (weak 3/28 Palmer) TRIVIA QUESTION: Anyone out there remember  
 when Magadan used to be audible every evening on 4996 kHz? Not me Bob.  
 12015 \*1445 RUB: EE: IS, nx by OM, ID; cmty by YL; QRM'd by Austrian Radio's \*1500  
 (232 3/27 Carlson-WA)
- N E P A L R. Nepal  
 5005 1149 RN: UNID: tabla-type drums ending w/OM mentioning Nepal; mx & YL w/pre-  
 sumed nx; hrd to 1220 f/out; wk w/Ute QRM (poor 3/11 Quagliieri-NY)
- O M A N EBC Relay  
 15380 \*0145 BBC: EE: IS, lcl ID into "World Today". Not // World Svc to the Ameri-  
 cas on 6175, 9515, 11750. (444 3/26 Wood-HI)
- P A K I S T A N R. Pakistan  
 9465 \*1642 RP: EE: IS to 1645, ID & sked; OM w/Islamic pgm; YL w/S. Asian mx; nx  
 @ 1700 (good 3/23 Thunberg) cmty on India, mx & 1745\* (333 3/23 Gerst-  
 ner-NY) @ 1917 in FF: vcl mx, ID, nx @ 1930(252 3/17 D'Angelo-PA)  
 15175 0425 RP: Gujrati: tlk on Pres. Zia; rumbling mod. (444 3/21 Wood-HI)

15595t 1505 RF: URDU(?); YL & OM tlk, vcl & instl mx (242 4/6 Weikel-MI) We had a "White Easter" here also Frank, though not as much snow as you...RBT

17640 0800 RF Karachi; EE: cricket match (433 3/22 Shreedhar-India)

P H I L I P P I N E S

V. of America; Maharlika Bosting Sys.; R. Veritas; FEBC

6110 1119 VOA: EE: "Newline", pgn preview (332 3/15 Trotto-FL)  
6170.2 1052 MBS: EE: relay of DZFM; pop mx; ID as "24 Hrs, DZFM, Quezon City"; // 3285.6 also hrd (242 3/17 Miyauchi-JP)  
6185 1147 VOA: CC: EE lang lesson (333 3/15 Trotto-FL)  
9675 1428 RVA: EE: US pop mx; ID @ 1429 (333 3/16 Freeman-AZ) @ 1531 in EE/EEN-  
GALI: tlks, orch. mx; EE ID @ 1600 & sked (454 3/29 Thompson-NM)  
11715 1225 VOA: EE: pgn "Focus" best to NE Asia; fluttery (444 3/12 Rocker-MS)  
15195 0200 RVA: EE: "Friendship Unlimited" (444 3/22 Shreedhar-India) "Asian Experience" (243 3/28 Miller-CA)  
15445 \*2330 FEBC: EE: ID, wld nx; overmodulated (544 3/25 Wood-HI) ID, TC; "Good Morning India"; ex-15450 (443 3/21 Shimada-JP)

QATAR: Qatar Bosting Svc now sked \*0245 to 0700\* on 11820 kHz. (Talkback, 3/24/85)

S A U D I A R A B I A

Bosting Svc of the Kingdom of Saudi Arabia

7195 \*0300 BSKSA: PERSIAN: IS, NA, OM w/nx abt Israel; buried under URS Mayak on same freq (322 3/31 Dampier-NY)  
9870 2120 BSKSA: AA: AA mx; tlk by Prof.; ID & poetry (433 3/2 Dillon-MD)  
11855 1715 BSKSA: EE: radio play; QRM de DW (333 3/5 Muzyka-NY) (Camillo-NY)  
15060 1555 BSKSA: AA: 2 OM w/tlk; anthem-like mx; ID & nx (444 3/18 Abbinante-IL) @ 0520 in TURKISH: Islamic tlk, ID (544 3/16 Wood-HI)  
15345 1400 BSKSA: URDU: Mid East nx, ID, Qur'an (343 3/24 Shimada-JP)

S I N G A P O R E

Singapore Bosting Corp.; BEC Relay

5052 1100 SEC: EE: tlk on econ. development (252 3/23 Bowden-CA) @ 1500 w/wld nx, ID & TC, pop mx (242 4/5 Sharpe-CA)  
6195 1642 BEC: EE: sked, "Letter from America" (242 3/17 Manderscheid-CA)  
11750 1220 BEC: EE: Play of the Week; quiz pgn (454 3/25 Thompson-NM)(Sharpe-CA)  
11955 1745 BEC: EE: "Sports Roundup"; cmtly on Poland (233 4/3 Sharpe-CA)  
17710 \*2355 BEC: EE: IS, lcl ID into World Svc relay; anncd //15435 (hrd) & unheard 11955, 9570 (444 3/20 Wood-HI)

S R I L A N K A

Deutsche Welle Relay; Sri Lanka BC Corp.

6135 0200 DW: EE/BENGALI: to S. Asia; //9670 (544 3/23 Shreedhar-India)  
9645 \*1130 DW: JJ: IS, lcl EE ID; nx in JJ; wk bulreadable (242 4/6 Welch-MA)  
9720 1525 SLBC: EE: pop mx; relig pgn "World Tomorrow"(422 3/26 Carlson-WA) @1636 in HINDI: movie mx requests; YL w/ID & full s/off (333 3/24 Sharpe-CA) @1700 TAMIL(?): S. Asian mx, ID (Harada-CA) @0215 EE (3/22 Hunt-NC)  
11800.1 1745 SLBC: EE: lcl TC & ID; nx & mx; best to ME; no sign of AA xmsn sked @ 1745 (222 3/20 Quaglieri-NY)  
15105 0600 LI: HINDI(?): lcl EE IDs; Indian mx & annot that next pgn would be in GG (222 3/28 Dampier-NY)

S Y R I A

R. Damascus

12085 \*1830 RD: GG: ID "Hierst ist R. Damascus"; nx, ME vcl mx; FF @ 1900 & EE @ 2005; 2105\* (555 3/13 Carlson-WA) @ 1920 in FF: opens & closes with "Flight of the Bumblebee"(good 3/20 Palmer-WA) @2010 in EE: nx & press review (444 3/25 Hills-BC) Also reported to use 15435 for 2005 EE best but I have yet to hear it...RBT

T A I W A N

V. of Free China

15030t 2256 WYFR(?): EE: vy wk; hrd FL as other WYFR outlets on 19m were vy strong; ment. "WYFR can be hrd in India"; 2259\* (141 3/8 Rocker-MS) This freq not listed in WRTM but may have been added, or they are still having problems w/stn engineers punching in the wrong xmsn freq..ed.  
15270 \*2140 VOFC: EE: sked, ID; interludes of CC class. mx; // 15345 QRMed by AFRTS (gd 3/18 Sheedy-CA) (222 3/10 Bair-CA) @ 2302 in SS: ID "La Voz de la China Libre"(433 3/17 Manderscheid-CA) CC mx (333 3/1 Stephenson-CA)

T U R K E Y

V. of Turkey

9560 0400 VOY: EE: nx, Press review; "Letter From Turkey" (545 3/29 Wallenhorst-OH) (333 3/19 Hevern-NY) (545 4/9 Robinson-TN) @ 2300 EE: same pgms plus nice Turkish mx (433 3/30 Drollinger-WI) (3/24 Campbell-CT)(3/23 Prath-FL) (3/15 Abbinante-IL)  
9730 2300 VOY: EE: wld & lcl nx; ME vcl mx; 2350\*(353 3/22 Shimada-JP) @ 0407 w/ nx & Review of Turkish & foreign Press (233 3/21 Trotto-FL)  
9755 2336 VOY: EE: "DX Corner"; rock mx, sked & 2350\* (343 3/16 Bingham-MA)  
15220 1235 VOY: TURKISH: Turk mx; OM w/cmtly (232 3/10 Weikel-MI)

I must say, the April 85 SPEEDX bulletin was, by far, the best I've ever seen from a SW Club! If you agree, please drop a line to HQ and let them know how much you appreciate the new fluid-bulletin concept.

U S S R (ASIAN)R. Moscow World Svc

4030t 0804 Anadyr-ARSPSR: RR: tent. ID; OM w/ endless tlk (323 3/27 Nowicki-CA)  
 4040 1054 Vladivostok-ARSPSR: RR: M2 (Mayak) pgm of lt. class mx; ID @ 1100  
 (232 3/18 Trotto-FL)  
 4395 0915 Yakutak-ARSPSR: RR: M3 pgm of tlk & children singing (242 Nowicki-CA)  
 5900 1600 RMWS-Petrovavlovsk: EE: anct of death of Chernenko & appointment of  
 Gorbachev (545 3/11 Berri-CA) D-84 sked from URSC lists Vladivostok  
 as site...ed.  
 7260 0550 RMWS-Petro.-Kamchatskiy: EE: tlk of US & USSR kids playing hockey; no  
 ARO QRM (good 3/28 Palmer-WA)  
 7275 0800 Vladivostok-ARSPSR: RR: slow martial mx prior to anct of Chernenko's  
 death; s/on @ 0645 & carries "Radiostantsiya Tikhiiy Okean" pgm @ 0815  
 (444 3/11 Rocker-MS)  
 7320 0545 Maqadan-ARSPSR: RR: mx w/RR lyrics; QRM de BBC AA svc (wk 3/28 Palmer-  
 WA) @ 0900 RR: "Radiostantsiya Rodina" pgm, ID (254 3/9 Rocker-MS)  
 7345 0900 Yakutak-ARSPSR: RR: M1RO-2 pgm; Red Square chimes @0900 signalling 1200  
 (Moscow time); //7265 Yakutak (142 3/9 Rocker-MS)  
 9700 0610 UNID SITE: RR: RR folk mx; usual nx on hr & 1/2 hr, Mayak ID (333 4/4  
 Sharpe-CA) site is possibly Komsomolsk-ARSPSR ed.  
 12010 2215 RMWS- Novosibirsk ARSPSR: EE: tlk abt education; strong but fluttery  
 (354 3/9 Rocker-MS) (Chituck-MD) site as per URSC & Palmer-WA...ed.  
 12020 2004 Dushanbe-Tadzhik SSR: RR: class. mx, ID (343 3/23 Chituck-MD)  
 13605 2250 RMWS Unid site: RR: "Radiostantsiya Rodina" @ 2300 w/class mx; believe  
 site to be Soviet Far East because of time of day & propagation. (good  
 4/4 Palmer-WA)  
 13635 0025 RMWS-Petrovavlovsk(?): EE: tlk on Bulgaria; strong signal as were 15425,  
 12050, both Petro. (455 4/1 Berri-CA) MS)  
 15100 2311 R. Vilnius (unid Far East site): EE: cmty to 2310 ID (444 3/14 Rocker-  
 R. Kiev: EE: nx to NAM; fluttery // 15240 (434 3/10 Rocker-MS)  
 15100 \*0030  
 15295 0247 RMWS Khabarovsk ARSPSR: CC: tlk w/interpreting Russians; CC ID, RM IS  
 (343 4/4 Sharpe-CA)  
 15470 1300 RMWS-Petro. ARSPSR: EE: tlk w/Soviet students (232 3/17 Chituck-MD)

U N I T E D A R A B E M I R A T E SV. of UAE; R. Dubai

6155 1130 VoUAE: AA: TP, ID, nx by OM (343 3/16 Welch-Ma)  
 9565 0310 RD: EE: world nx (343 3/21 Chituck-MD) (333 3/17 May-OH)  
 11730 0330 RD: EE: nx of coup in Sudan; Ext Svc ID (433 4/8 Valentine-CA)  
 15330 0410 VoUAE: EE: test xmas requesting rpts to Box 63, Abu Dhabi; lt mx (444  
 3/25 Wood-H)

See April 85 SPEEDX for additional UAE freqs...RBT

V I E T N A MV. of Vietnam

9840 2335 VOV: EE: Viet nx, many IDs; Viet mx till VOA s/on at 2345(434 Bair-CA)  
 10010 \*1059 VOV: CANTONESE: IS, s/on w/ID into presumed nx & cmty by OM & YL; //  
 10040 1330 VOV: EE: nx of Vietnam's great accomplishments (232 3/23 Speer-CA) @  
 1804 EE: wld nx, mx; //12020, 15010 inaudible (333 3/30 Berri-CA) @  
 2030 EE: NA, ID, nx, cmty on Thai govt; 2056\* (232 3/23 Hevern-NY)  
 15008 0115 VOV: VV: tlks, CC-type mx; ID @ 0122; QRM de RUD-Irkutsk on 15004;  
 seem to have drifted from nom. 15010; hrd past 0140 though WRTH 85  
 lists 0130\* (444 3/21 Berri-CA) @ 1206 JJ: nx (444 3/22 Sharp-FL)

Y E M E N A R A B R E P.R. San'a

4853t 0302 R. San'a: AA: AA mx, chanting (212 3/15 Rocker-MS)

## O C E A N I A

A N T A R C T I C AArmed Forces Antarctic Network; Argentine Sector

6012t 1044 AFAN-McMurdo: EE(?): rock mx, new & oldies; vy faint & deep fades to  
 1103 f/out; maybe grayline reception (121 3/24 Hevern-NY)  
 15474 2330 R. Nac. Arcangel-San Gabriel: SS: US pop mx; clear ID @ 2349 (333 3/31  
 Dillaman-OH) @ 0010 SS: mx, EE ID @ 0015; gave freqs of 6030 & 15476;  
 claimed to be 1st & only best stn from Antarctica (252 3/19 D'Angelo-  
 PA) @ 2159 SS: pop mx, ID (141 3/2 Hevern-NY)

A U S T R A L I AR. Australia

4920 1135 VLM-4 Brisbane: EE: typhoon advisory; ABC nx (453 3/24 Hesch-NY) +5  
 6140 1600 VLM-6 Perth: EE: mx, ID & s/off (222 3/4 Lougee-AK)  
 7205 1200 RA: EE: IS, ID, Mid East nx (544 3/19 Coleman-MA)  
 9580 0900 RA: EE: "Sound About" w/Susan Darling (444 3/15 McKinney-PA) +3  
 9610 1502 VLM-9 Perth: EE: Irish song by Bing Crosby; disc. on how to make Irish  
 coffee; ID as "4 past 11, this is 6WF" (444 3/16 Drollinger-WI) +2  
 9660 1240 VLM-9 Brisbane: EE: jazz mx; cyclone warning (322 3/23 Dillon-MD)

11720 0800 RA: EE: "Talkback" w/reviewer finding fault w/85 WRTH, says they should change to computer system for more updated info (I agree..ed.) (252 3/24 Bowden-CA) (444 3/9 Schlick-WI) (455 3/15 Rucker-MS)  
 11910 0610 RA: EE: tlk on abused women; QHM de HCJB; // 15320, 15395 (Hevern-NY)+1  
 15160 0250 RA: FF: pop mx, nx headlines (444 3/8 Miller-CA)  
 15165 0800 RA: EE: nx to S. Asia; // 15395, 17715, 21720 (433 3/25 Shreedhar-IN)  
 15395 0115 RA: EE: tlk on Aust. flowers (444 3/22 Valentine-CA)  
 17750 0835 RA: EE: Aust, nx, pop mx; tlk on Japan etc. (343 3/21 Miller-CA)  
 17795 2200 RA: EE: tlk of radar satellites (444 4/9 Robinson-TN) (May-OH) +3

Again, see April A/O for other Australian freqs.

C O O K I S L A N D S Cook Islands Bcsting & Newspaper Corp.  
 11759.5 1939 CIBNC: EE: sports, mx requests (one for Golf Club) (333 3/3 Wood-HI) @ 0904 in MAORI: island mx & EZL oldies w/YL annor (232 3/23 Thompson-CA)

To Lyle Taylor-SD: I guess this answers your question as to what happened to Cook Islands; They bcst 24 hrs a day & Peggy Thompson advises they do come in occasionally on WCNA, though usually QRMed by R. Habana Cuba.

G U A M Trans World Radio Pacific-KTWR  
 9590 1230 KTWR: CC: tlk w/occ. mx; 1245\* w/single play of IS (333 4/9 Dampier-NY)  
 15420 \*2230 KTWR: IN: IS, ID "Inilah Trans World Radio" (344 3/14 Rucker-MS)  
 17840 0015 KTWR: EE: "Thru the Bible"; 0031\* w/skcd, addr, IS(333 3/22 Sharp-FL)

M A R I A N A I S L A N D S KYOI; KFBS  
 9665 1700 KYOI-Saipan: EE: "Super Rock" ID, Cyndi Lauper mx (252 4/1 Campbell-CT) @ 1845 w/ad for KYOI T-Shirts (444 4/3 Lounge-AK)  
 11900 1158 KYOI: EE: Julian Lennon mx, ID (444 3/23 Trotto-FL) (343 4/1 Soomre-MA)  
 15135 2230 KFBS-Saipan: IN: ID by sexy-voiced YL; class mx; nothing hrd on Winter freq 15225, so must be new freq; hvy QRM de Chile & Moscow, both on 15140 (3/17 Palmer-WA)

N E W Z E A L A N D R. New Zealand Intl.  
 11960NF 0600 RNZI: EE: lcl nx on the hr, wx report (354 3/12 Rucker-MS)  
 15150NF 0500 RNZI: EE/MAORI: EE nx into Maori nx @ 0508; //11960. 15485 replaced by 15150 because of a QRM complaint lodged w/ITU.(555 3/22 Wood-HI) EZL & oldies mx; clear w/deep fades (343 3/23 Denton-KY) @ 1840 EE: nx, wx, cmt by social worker (343 3/20 Carlson-WA) pop mx, TCs, nx (433 3/23 Berri-CA) Possibility of WW III discussed (151 3/24 Bowden-CA)  
 15151.6 \*1840 RNZI: EE/MAORI: Bellbird IS, Maori annot into EE nx (3/18 Sheedy-CA)  
 17705 0000 RNZI: EE: editorial pages of NZ papers quoted on subject of anti-nuclear stance (151 3/6 Bowden-CA)

P A P U A N E W G U I N E A NM  
 3315 1225 R. Manus: PD: tlks, vcl & piano mx; ID & TPs @ 1300 (353 3/23 Thompson-CA)  
 3335 1220 R. East Sepik: PD/EE: lcl mx w/tlk by OM in PD; EE ref. made to "East Sepik Prov." @ 1226 (323 4/10 Sharp-FL)  
 4890 1120 NBC Port Moresby: EE: Big Band & island piano mx; relg pgm; ID & TC @ 1145 into Chopin concert (323 3/17 Dillon-MD) (Weikel-MI)  
 9520 0715 NBC Port Moresby: EE: YL w/pgm of requested mx; pr mod.(3/11 Rucker-MS)

The following provincial stations relayed news from Port Moresby at 0900: 4890-head, 3205, 3220, 3235, 3290, 3315, 3335, 3385, 3395, 3905. R. North Solomons on 3325 only w/ their own pgm-other stns not hrd. From 0912, each stn into local pgmng.(3/13 Miyauchi-JP)

S O C I E T Y I S L A N D S R. Tahiti  
 9748.6 0700 RT: FF: hrd after HCJB s/off w/ballads, IDs, FF anthem & 0730\* (343 3/15 Miyauchi-JP)  
 11825 0531 RT: ?: delightful Polynesian mx, no word spoken in 20 min. of monitoring (343 3/3 Brewer-AR) @ 0423 FF/TAHITIAN: ID, OM tlk in both langs; mx on ukulele, guitar, perc.(545 4/11 Robinson-TN) island mx(Goodman-IA)  
 15170 0140 RT: FF: beautiful instl island mx (454 3/13 Thompson-NM)

S O L O M O N I S L A N D S Solomon Islands Bcsting Corp.  
 5020 1100 SIBC: EE: pop mx, TCs; lottery numbers given (333 4/1 Camillo-NY) @ 0730 EE: mx, nx @ 0800 (222 4/3 Pyatt-VA) (333 3/15 Stuart-CK)  
 9545 0554 SIBC: EE: pop mx; ID & relay of BBC Wld Svc nx @ 0600 (242 3/3 Brewer-AR) @ 0710 EE/PD: mx, lots of ads, list of pgms (434 3/11 Rucker-MS)

Just made it under the wire again! Only enough room to thank everyone who made this column possible. Special thanks to Satoshi Miyauchi-Japan for the info on Japan & Papua New Guinea. It's always great to hear from our overseas listeners. Until June, it's sayonara.

*Bob*



# JAPAN REPORT

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JAPAN

# 日本レポート

Before I get to the loggings there are a few notes of importance. First, Managing Editor Rick Drollinger gave me a suggestion which I thought was a good one. Any SPEEDXers residing in Japan may send logs to me at the above address. A definite deadline has not been established but I think the first week of each month would be an appropriate time to send the best of your reports to me. The reports which I don't have room for could be forwarded to the SPEEDX-GRAM.

Correction (or I could hit myself in the head) Dept.: My report of the Vietnamese regional Quang Ngai on 5050 khz in the February column has turned out to be R. Beijing VV bcst. Confusion was caused by the unusual IS (not the usual RB tune) at 1100 & 1200 UTC and the ID, which to my ear still sounds like "Quang Ngai". Does anyone know the VV word for "Beijing"? My apologies for the mix-up.

SPEEDXer Koji Yamada of Tokyo has sent in this schedule of NHK's domestic short-wave services. The schedule is dated from August of 1983, so some frequencies may be inactive. However the list is more complete than any other publication I have seen;

|            |           |                      |                              |
|------------|-----------|----------------------|------------------------------|
| 3259 khz   | 0820-1300 | Sendai 1st Program   | (probably inactive)          |
| 3377.5 khz | 0800-1300 | Osaka 2nd Program    |                              |
| 3607.5 khz | 0800-1000 | Hiroshima 1st Pgm.   | 1000-1300 Tokyo 1st Program* |
| 3970 khz   | 2000-0600 | Nagoya 1st Pgm.*     | 0600-1100 Matsuyama 1st Pgm. |
|            | 1100-1200 | Sapporo 1st Pgm.     | 1200-1500 Matsuyama 1st Pgm. |
| 6005 khz   | 2040-0100 | Matsuyama 1st Pgm.   | 0140-0230 Fukuoka 1st Pgm.*  |
|            | 0230-0425 | Matsuyama 1st Pgm.   | 0800-0840 Fukuoka 1st Pgm.*  |
|            | 0840-1500 | Nagoya 1st Pgm.*     |                              |
| 6130 khz   | 2000-1500 | Kumamoto 1st Program |                              |
| 6175 khz   | 2030-2330 | Tokyo 1st Pgm.*      | 0000-0800 Hiroshima 1st Pgm. |
| 6190 khz   | 2030-0330 | Osaka 2nd Pgm.       | 0330-0800 Sendai 1st Program |
| 9535 khz   | 2330-0000 | Hiroshima 1st Pgm.   | 0100-0130 Matsuyama 1st Pgm. |
|            | 0135-0205 | Sapporo 1st Pgm.     | 0300-0700 Fukuoka 1st Pgm.*  |
|            | 0745-0755 | Nagoya 1st Pgm.      | (probably inactive)          |
|            | 0803-0810 | Sendai 1st Pgm.      |                              |
| 9550 khz   | 0100-0700 | Tokyo 1st Program    | (probably inactive)          |

All times given were UTC. \*denotes SSB transmission. I included the inactive frequencies (as I have monitored them) just in case they reappear.

## CHINA (PEOPLE'S REPUBLIC)

8660 1218 R. Beijing: Tagalog economic tlk, CC mx, ID, sked, address 1225\* scratchy audio/good signal (3/11)  
11600 1514 R. Beijing: EE tlk on economic reform & the negative aspects of agricultural quotas, ID (good, 3/16)

## ECUADOR

6095 0615 HCJB: EE "Good News", ID/TC, DX Party Line (poor, 3/17)

## INDIA

15320 1128 All India Radio: EE ID, tlk on farm production, mx from Bengal. VOA QRM, 15325. (fair, 3/21)

## LESOTHO

11830 1450 BBC Relay: EE hard-rock & new-wave mx, "Radio Newsreel" (3/14)

## NEPAL

5005 1459 R. Nepal: after Malaysia s/off, EE nx & wx forecast, Nepali mx, ads. QRM de JJY, 5000. (poor, 3/20)

## TANZANIA

9749 1908 R. Tanzania: EE world & African nx, YL TC/ID, choral anthem, 1915\* (fair-good, various)

## VIETNAM

4700 1320 Son La: VV OM tlk, YL IDs at 1330, local instrumentals & vocals til 1357\*, battling UTE QRM -- actually a bit clearer though weaker on 4702 (poor-fair, 3/13) RMF 4/15/85



535 TO 1610 kHz

**MEDIUM waveguide \* deadline: 12th**

DAVID SHARP, 17602 MEADOWBRIDGE, LUTZ, FLORIDA 33549

- 530 R Rumbo Costa Rica/SS/0337/YL tx, OM ancr w/ID (222 3-9 N. Murff-NM)  
 540 CBC Watrous SK/0700/CBC nx, full ID, s/off w/NA @ 0705 (3-14 Murff)  
 540 CJSB Ottawa ON/0450/Jazz mx, ad string, "Mx of Your Life"(Desrosiers)  
 540T 4QL Longreach Aust '1/1053/"No. 1 song on ABC & in PNG this week,"  
     c&w mx pgm. (222 3-28 Murff-NM) Very possible, Nathan! ds.  
 555T R 19 de Julio, Nicaragua/SS/0529/NA & s/off @ 0536 (232 Trotto-FL)  
 620 WTMJ Milwaukee/0459/"Talk Net" pgm, ID, NBC nx @ 0500 (pr 3-12 May)  
 655 YSS El Salvador/SS/0515/OM ID "R El Salvador" (333 3-22 R.Trotto-FL)  
 670 KBOI Boise/1747/EZ listening mx, ID & NBC nx (322 3-8 Nathan Murff)  
 670 VYLL Venezuela/SS/0125/OM ID "R Rumbos," hrd in ECSS (4-1 Desrosiers)  
 700 KFAM Salt Lake City/0358/EZ listening mx, ID (222 3-15 Nathan Murff)  
 730 XEX Mexico/SS/0538/ballads, ID by YL, OM TC (444 3-18 Ron Trotto-FL)  
 740 KSSS Colorado Spngs/0400/"Colorado's 74 Country" (222 3-15 Murff-NM)  
 740 CBL Toronto ON/1334/Classical mx, tx abt Mozart (454 4-5 Demmitt-PA)  
 750 WBMD Baltimore/1341/Relg pgm- OM sermon on fellowship (J.Demmitt-PA)  
 760 WJR Detroit/2350/Redwings game (555 3-24 Chituck-MD) Welcome, Bruce!  
 765 ORTS Dakar Senegal/FF/2310/OM tx & hilife, //4890 (232 4-11 Sharp-FL)  
 770T R RJK Spur Tree Jamaica/0021/reggae mx hrd under slop (322 Sharp-FL)  
 780 WBBM Chicago/0340/Rpt on Canadian plane crash, ID (544 Dillon-MD)  
 800 XEROK Mexico/SS/0530/ID as "R Canon," ancmts (232 3-30 L. Taylor-SD)  
 825 R Paradise St. Kitts/0038/EE relg vocals (323 3-13 Derek Lowe-NC)  
 830 R Belize/0349/Classical mx; //940 & 3285 (333 3-11 Murff & Trotto)  
 860 KVVA Phoenix/SS/0326/SS pgms, Latin mx, ID @ 0330 (322 3-23 Murff-NM)  
 860 CJBC Toronto ON/FF/0744/OM ancr, phone-ins (3-10 Trotto; Demmitt-PA)  
 882 TWR Sri Lanka/1840/Religious sermon. 400 kW (Shreedhar-INDIA)  
 900 CHML Hamilton ON/0407/Canadian nx, sx, wx, Tina Turner mx (Dillon)  
 940 CBM Montreal PQ/FF/0509/End of nx, into pgm abt FF mx (3-25 May-OH)  
 960 WHAK Rogers City MI/2345/ID, closing ancmts, s/off (fr 3-9 Ross-ONT)  
 970 XEJ Mexico/SS/0320/OM ancr w/pgm of slow ballads (444 3-8 Murff-NM)  
 1010 CFRE Toronto ON/0433/ID by OM, world nx, WINS QRM (433 Dillon-MD)  
 1020 TIINT Costa Rica/SS/0445/ID "Oyentes esta es TNT" (322 3-8 Murff)  
 1040 HJUB Colombia/SS/0906/"R Rumbos" ID, lcl nx, f/o 0911 (R. Trotto-FL)  
 1090 KAAY Little Rock/2355/Oldies mx, full ID on hr (fair 3-9 Robert Ross)  
 1165 Carib. R. Lighthouse Antigua/0043/EE OM sermon (322 3-18 D. Lowe-NC)  
 1200 KFNW W. Fargo ND/0004/UPI nx, Dow Jones, lcl wx (fair 3-12 Ross-ONT)  
 1220 WGAR Cleveland/1155/c&w mx, OM DJ, ID (323 3-30 Peter Dillon-DC)  
 1320 KELO Souix Falls SD/1320/Lcl nx & wx, ID, mix w/KBUX (222 Murff-NM)  
 1330 KFH Wichita/0402/End of ball game, ads and ID (222 3-23 Murff-NM)  
 1332 RAI Italy/II/0455/OC, ID 0500 "Radiotelevisione Italiana" (3-18 Lowe)  
 1430 Canal 13-40 Mexico/SS/0325/LA mx, OM ancr, ID's (444 3-16 Murff-NM)  
 1460 WWG Rochester NY/0300/ID "The Spirit of Rochester, 3-W-G" (Dampier)  
 1467 TWR Monaco/0446/Relg pgm in unk lang (Albanian?) f/o 0500 (Lowe-NC)  
 1480 UAE Radio Dubai/AA/OM nx, into AA mx (555 3-20 Shreedhar-INDIA)  
 1520 KOMA Oklahoma City/0021/Sports scores, lcl sx, ID (good 3-9 Ross)  
 1540 ZNS-1 Nassau Bahamas/0500/EE rel pgm, mix w/KXEL (3-14 Lowe; Sharp)  
 1550 WKVL Clarksville TN/0128/ID w/oldies format, wx (232 3-5 May-OH)  
 1555 R. Cayman/0420/Classical mx, tx @ 0430 (111 3-12 May; 433 4-12 Sharp)  
 1557 R. France/FF/0504/OM w/variety of mx, stronger at 0530 (3-18 Lowe)  
 1557 R Mediterranean Malta/2315/Pgm on sx (3-19 Shreedhar) Nice logs, OM!  
 1566 UNID STN/0530/Trying for Tunisia, but pgm not //7225. At 0545 had YL  
     in GC, SBC-Switzerland? (3-18 Lowe) Let's help Derek ID this. ds.  
 1575 RAI Genoa Italy/0520/OM tx, poss. in II, into slop by 0530 (Lowe-NC)  
 1580 XEDM Mexico/SS/0325/LA ballads, many ads for VW repair, etc (Murff)  
 1610 Carib. Beacon Anguilla/0221/Christian pgms, ID (3-5 May-OH; Dillon)

\*\*\*Thanks to all who contributed. A great selection of logs this month.

See you next time, 73s de David Sharp



# QSL REPORT

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



1983

VIA AEREA

Hello everybody, and welcome to the May 1985 QSL report. I hope everyone here is having a nice spring. It has been raining here just about every other day. Well let's get on to what everybody has been waiting for.

## EUROPE

- ALBANIA-R. Tirana-7065, p/d card in 102 days after third try (Forsgren-WI). Date and time card in 126 days for two ircs (Friberg-NH).
- AUSTRIA-ORF-5945, f/d Vorarlberg Scene card in 52d along with a sticker (NY-Gerstner). Old winepress card in 56d for quad-lang report (Hesch-NY). Freq was 6000. 17720, Country house card in 105d (Miyuchi-Japan).
- BELGIUM-R. BRT-5910, f/d museum card in 35d (Adams-MA).
- BULGARIA-R. Sofia-7115, f/d town photo card in 106d (Wallenhorst-OH).
- CZECHOSLOVAKIA-R. Prague-21705/17840, folk costume and Beskydy Mountains cards in 33 days (Miyuchi-JAPAN).
- East GERMANT-RBI-6125, f/d card along with first day covers, a pennant and a calendar in 60 days (Welch-MA). f/d cards and a magazine, wall calendar, pocket calendars, tote bag, reception forms, sked and 10 ircs! (Jordan-NC).
- UNITED KINGDOM-(Great Britain)-VOA-6040, f/d card in 23d (Welch-MA). BBC-15260, answer to letter about a drastic change in reception on this frequency, which was explained by a change in transmitter sites from the Atlantic Relay to Antigua. (Chickerell-). n/d card in 66d (Mall-MI).
- GREECE-VOA-6015, f/d Statue of Liberty card in 6d (Welch-MA). VoG-11645, f/d Santorini Island card in 93d for an irc (Hills-BC). Coast photo card in 100d for an irc (?????).
- ITALY-UNR-11800, f/d logo card. Programs from RAI and Geneva should be sent to Geneva, as New York does not have the records for these programs (Stephany). RAI-9575, f/d painting card in 230d for an irc (Jordan-NC).
- LUXEMBOURG-R. Luxembourg-6090, f/d station staff card in 110d (Weikel-MI).
- MONACO-TWR-6210, f/d card in 14d (Shimada-JAPAN).
- NETHERLANDS-R. Netherlands-9895, f/d Windmills Card in 35d (Downing-CO). 21480, Cheese Festival card in 80d (Via Madagascar). (Gerstner-NY). 17605, Flevo test card in 75d (De Jong-ONT). Same in 29d for 2 ircs (PA-Thunberg). Flevo card in 36d (Welch-MA). Same in 36d (Wimmers-VA). 6020, Same in 2 weeks (Jordan-NC). Same in 37d (Munster-GA). Space lab photo of Flevo card in 40d (Hesch-NY).
- NORWAY-R. Norway-11850, date/freq card in 31d along with a sticker (Gerstner-NY). date/freq card in 40d (Wallenhorst-OH). 15305, f/d costume card in 31d with a sticker (Jordan-NC).
- PORTUGAL-AWR-9670/9605; f/d cartoon card and a Map/Azimuth card in 46d for 2 ircs. Also received were 2 AWR stamps and a personal letter (Stephany-NY).
- ROMANIA-RB-5990, f/d painting card in 4 months along with a sked, pocket calendars for a clipping of a local review of the Romanian National Choir. (Jordan-NC). 15250, Prince of Wallachia card in 70d (Miyuchi-JPN).
- SPAIN-REE-21595, f/d Photo of Cuenca card in 66d (Miyuchi-JPN). 9630, f/d photo card in 73d (Thompson-NM). also one in 52d. f/d card in a month for report on 6030 khz (Stuart-OK). Card and sked in 31d (Speer-CA).

SWEDEN-R. Sweden-15345, f/d logo card in 14d (Klosowski-FL). Same in 14d (Jordan-NC).

SWITZERLAND-SRI-3985, f/d card in 38d (Gerstner-NY). F/d card and no sked in a month (Jordan-NC). Red Cross Broadcasting Service-11870, f/d globe with headphones card in 22d (D'Angelo-PA).

VATICAN-R. Vatican-9615, f/d card in 36 days for 2 ircs and a JJ rpt. (Miyachi-JPN). The card was for the 25th Ann. of the JJ service. St. Peters Basilica card in 73d (Gerstner-NY).

#### USSR

R. Moscow-9865 via Kazan, 9610 via Alma-Ata, 5980 via Ryazan, 5920 via Armavir, 1200 via Vinnitza, 9490 via Moscow, 9625 via Chita, 11800 via Kiev, 7165 via Kiev and 9750 via Lvov. (Soomre-MA). Also received a book about a WWII piolet called "A Story About a Real Man". 9610, 7370, 9675, 7335. Cards without sites in 66d for a SS rpt. (Soomre-MA). 7180/7185, via Vinnitza in 69d (Chickerell-WV). 15450 via Moscow card in 36d (Zirkelbach-CA).

R. Vilnius-9685, f/d folder card in 95d (Jordan-NC).

R. Yerevan-11790, f/d card in 92d with a pennant (Speer-CA).

R. Tashkent-9540/9600/5945, 3 f/d cards in one reply for 3 separate reports in 86/74/68 days (Stephany-NY). 9600, f/d logo card in 76d (Jordan-NC).

#### AFRICA

ALGERIA-RTA-17745, f/d card in 25d for an irc (Witte-CA). This was after 4 years of work.

CAMEROON-R. Bafoussam-4000, two prepared cards in 1 year for FF rpt and ms (Kusalik-ATA).

CAPE VERDE-R. Voz de Sao Vicente-3960, date only card in 46d for a SS rpt and mint stamps. (Kusalik-ATA).

CONGO-RDTC-15190, f/d mimeo form letter in 49d for 2 ircs and a FF rpt (Gunter-NC). Same in 63d for a FF rpt and ms (Forsgren-WI).

ETHIOPIA-VORE-9560, f/d yellow map card and sticker in 99d for \$1.00 (VA-Jones).

EQUATORIAL GUINEA-Word of Truth via R. Nacional-15106, f/d prepared card and personal verie letter in 25 days via Mt. Zion Bible Church. (Kusalik-ATA). R. Nacional-15107, f/d prepared card to Glad Tidings Tabernacle Embree Newfoundland for \$2 (Welch-MA).

GABON-ANI-4810, freq only card in 87d for 2 ircs and a FF rpt (Friberg-NH). Card in 2 months (Stuart-OK). 11940, freq only logo card in 5½ months for an irc (Jones-VA). AWR-9630, f/d card and letter in 67d for 2 ircs. Africa Addr: AWR African Division; 08 BP 1751; Abidjan 08; Ivory Coast. (NY-Stephany).

GHANA-GBC-4915, f/d card with sked in 85d for ms. V/S-Mick Feuet (Forsgren-WI). Logo card in 105d for 2 ircs (De Jong-ONT). f/d card in 7 months for 2 ircs (Friberg-NH). Postmarked Nov 28!

Rep of GUINEA-15306, RDTV Guineene, 2 prepared cards in one year for a FF rpt and ms (Kusalik-ED).

KENYA-4915, f/d Aerogramme in 12 days for 3 ircs (Forsgren-WI).

LESOTHO-LNBCS-4800, f/d national flag card in 38d for 3 ircs (Downing-CO).

LIBERIA-ELWA-11830, f/d transmitter site card in 42d for 3 ircs (De Jong-ONT). VOA-15600, f/d Statue of Liberty card in 51d (Welkel-MI). F/D lighthouse card in 6d (Friberg-NH).

LIBYA-R. Jam-15450, f/d rainbow card in 120d via Malta (De Jong-ONT). Same in 52 days for 2 ircs (May-OH).

MALI-RDNN-4783, f/d station map card in 95d for 3 ircs and a FF rpt (FL Van Horn). F/d Africa card in 45d for a tape report and a FF letter, 2 ms and an irc for rp (Jordan-NC).

MOZAMBIQUE-R. Mocambique-9620, date/freq globe card in 40d for 2 ircs and a PP rpt (Gunter-NC).

NAMIBIA-R. SWA-3295, date/freq country scene card in 37d for 2 ircs and an Afrikans (Pagano-DC). Nature park card in 38d for 2 ircs (Drollinger-WI). d/f mountain card in 4 $\frac{1}{2}$  months. This was 2nd verie for same report. Also received magazines and a bumper sticker (Jordan-NC).

NIGERIA-VON-15120, f/d card in 32d for an irc (Camillo-NY). Same airport card in 759d for an irc (Forsgren-WI). Plateau Radio, Jos-5965, f/d form letter in 61d for ms, (Forsgren-WI).

SENEGAL-ORTS-4890, f/d globe and antenna card in 39d for 2 ircs and a FF rpt. (Gunter-NC). Same in 29d for 2 ircs and a FF rpt (Downing-CO). Same in 83d for \$1 and an EE rpt (Drollinger-WI). Same in 43d for an irc and ms and a tri-language rpt. (Jordan-NC).

SOUTH AFRICA-Capital Radio-3930, date/freq form letter in 32d (D'Angelo-PA). Radio 5-3250, f/d SABC card in 35d (May-OH). SABC/RRSA-3230, f/d wild flowers card in 18d (Drollinger-WI). 4880, f/d card in 34d (Welch-MA). 4835, Industrila painting card in 20d for an irc (Gerstner-NY). Card in 23d (Wallenhorst-OH). Drawings of SA card in 18d for an irc (TX-Gurley). 11790, f/d card in 13d for an irc (Miyuchi-Japan). 6010, f/d card in 28d (Adams-MA). 9585/4990, f/d card in 24 days (Miyuchi-JPN). 9615, f/d Durban Surf city card in 1 month w/SABC book (Jordan-NC). f/d Drakensberge card in 18d for an irc (Thompson-NM). Same in 45d (Adams-MA). f/d silhouette of a goldminers headgear card in 26d (Moll-MI). Cactus flowers card in 18d (Gerstner-NY).

SWAZILAND-TWR-5055, f/d folder card in 26d for 2 ircs (Wilkins-CO). f/d station picture card in 26d for ms (Jordan-NC).

SYRIA-11685, no QSL but outdated sked via registered mail in 33d (Jordan-NC). This next one is not a QSL, but I will tell you about it anyway. Sorry to the log reporters, but it was sent to me by accident. 12085 at 2005 to 2035 R. Damascus (The same station above, that I forgot to identify). in EE on 3/20/85 with a 343 SIO rpt. Program was sked, nx, Review of the Damascus Press, program Around the world in a week, then mx. (NY-Muzyka). Wow---a log report in QSL reports. I might have stepped out of my territory, but I thought that it is interesting. So go and get 'em!!

TOGO-R. Togo-5047, f/d globe and map card in 76d for 2 ircs and a FF rpt (Gunter-NC).

ZAIRE-La Voix du Zaire-15245, f/d letter in 119d for a FF rpt and 2 ircs (Forsgren-WI). V/S-Ayipam Muan-a-ngo.

#### ASIA

CHINA-People's Republic of-R. Beijing-11860, f/d New China card in 24d along with a calendar. (Gerstner-NY). 4620, just sent a thank you card, but no QSL for the Home Service reception report (Thompson-NM). 6095, f/d card in 16d (Welch-MA). 11860, 9880, f/d New China card in a month along with mags, a pennant and a personal letter. (Jordan-NC).

INDIA-AIR-11620, f/d painting card in 23d (Gerstner-NY). 9545, clouds card in 35d (May-OH). 15320, f/d card in 74d (Miyuchi-JAPAN).

INDONESIA-RRI Ujungpandang-4719, f/d Indonesian card in 24d for 2 ircs (Thompson-NM). RRI Tanjung Pinang-3225, f/d prepared QSL card in 30d for an II rpt and ms. This was 30days after a f/up report for an 1983 reception (Kusalik-ATA). V/S-Drs. Sukri, Kepala Stasiun.

IRAQ-R. Baghdad-9610, date only floder card in 160d along with a Pennant. (De Jong-ONT). Same in 198d for 2 ircs (Gunter-NC). Same in 44d after a f/up, 185d total with 5 ircs and ms (Jordan-NC).

No room to start Japan so I will on the next page. I hope this column is interesting. There are alot of not-so-common QSLs this month.



JAPAN-R. Japan-9505, 9570, 15195, 1810, 17825, date/freq swans card in 16d for ms (Zirkelbach-CA). Doll card in 12d for 2 ircs and an Russian report (Pagano-DC). Mt Fuji card in 14d (Thompson-NM). Dolls card in 20d (Thompson-NM). Cherry blossoms and pagoda card in 23d (Speer-CA). Doll card in 30 days (Trotto-FL).

KOREA-South-KBS-15575, f/d Weaving QSL in 42d for an irc (Thompson-NM).

KOREA-North-R. Pyongyang-9360, f/d colored card in 630!!! days for a GG report. Also received a calendar and a flag (De Cassan-AUSTRIA).

KUWAIT-R. Kuwait-11675, f/d card in 33d (Woering-??).

LEBANON-VOH-6215, f/d card in 51d for ms to USA address (Gunter-NC).

MALAYSIA-R. Malyasia-Kuching 4950, broadcasting home card in 35d for an irc (Miyuchi-JAPAN).

NEPAL-R. Nepal-9590, via Khumaltar Xmitter, f/d card, Jawalakhel Xmitter f/d card, and Khumalter Xmitter (3425). The middle xmitter was 5005 Khz. These 3 cards signed by K.B. Khattri were obtained thru a direct visit to the station by a friend. (Kusalik-ATA). Ed reports that this station has gone private.

PHILIPPINES-FECB-15450, f/d beach scene card in 22d for 3 ircs (Hills-BC). V/S-Mrs. Alida Landman. VOA-6110, f/d lighthouse card in 22d (Thunberg-PA). Same in 19d (Welch-MA). Same in 7 days (Soomre-MA).

SINGAPORE-BBC Far East Relay-11750, n/d card in 118d for an irc (Thompson-NM). Singapore skyline card in 132d for 2 ircs (Welch-MA).

SOUTH YEMEN-PROYBS-6005, date/freq card in 194 days (D'Angelo-PA).

SRI LANKA-AWR-9720, Voice of Hope and map card in 32d for 2 ircs. Also received a QSL stamp, certificate, AWR news and a pocket calendar (Stephany-NY).

UNITED ARAB EMIRATES-R. Dubai-15300, f/d map card in 50d with a pennant for an irc (Camillo-NY). 7310, 9565, f/d map card in 14d (Klosowski-FL). Same in 24d (Wallenhorst-OH). f/d card in 25d (Welch-MA). f/d cards in 1 month with a pennant (Jordan-NC).

VIETNAM-VoV-15010??, logo card and a paper pennant in 40d (Stephany-NY). F/d card in 58d for a JJ rpt. The freq was 12020 Khz. (Miyuchi-JPN).

#### OCEANIA

AUSTRALIA-VW15-15425, f/d map card in 25d for \$1 (Forsgren-WI). VW2-9610, f/d map card in 37d for an irc (Gerstner-NY). VLM4-4920, f/d map card in 68d for 2 ircs (Friberg-NH). R. Australia-6060, 15320, 17795, 9580, 9710, 1 year of talkback card in 5 months (Harada-CA). Forest Kingfisher card in 30d (Chickerell-WV). Talkback card in 147d for an irc (Welch-MA). Tasmania card in 25d for an irc (Welch-MA). Seals on Kangaroo Island card in 37 days for an irc (Thompson-NM). In 147d (D'Angelo-PA). Koalas card in 26d for a JJ rpt (Miyuchi-JPN). Congrats on the contest win! Card in 5 mos (Klosowski-FL). Card in 146 days (Downing-CO). Card in 26d for an irc (Romberg-WI). F/d seals card in 42d for 2 ircs (Wilkins-CO).

MARIANA ISLANDS-Saipan-KFBS-11775, f/d card in 96 days for an irc (Miyuchi-JAPAN).

NEW ZEALAND-RNZ-15485, f/d card and comment in JJ for EE rpt and US\$1, in 14 days (Miyuchi-JAPAN).

PAPUA NEW GUINEA-R. Manus-3315, p/d personal letter in 52d for \$1 (Forsgren-WI). V/S-Raka Saini. Date only letter in 35d for an irc (Miyuchi-JAPAN). NBC-P2K4 Pt. Moresby-4890, f/d map card in 31d for 2 ircs (D'Angelo-PA).

SOLOMIN ISLANDS-SIBC-5020, f/d logo card in 21d for 2 ircs (Camillo-NY). f/d card in 19d for an irc and 2-22¢ USA stamps (Stuart-OK).

A reminder, since there is a line left, DO NOT use the USPS 'D' stamps on mail going out of the country. This includes Canada and Mexico. They are for domestic use only.

## NORTH AND CENTRAL AMERICA

ALASKA-KNLS-6120, d/f antennas card in 60 days for ms (Kusalik-ATA). Same in 16d for ms (Downing-CO).

ANTIGUA-DW-6040, n/d broadcasting center card in 87d (Gerstner-NY).

BELIZE-RB-3285, f/d map card in 22d for an irc (Gerstner-NY). Same in 40 days for 2 ircs (Camillo-NY). Same in 30 days for 2 ircs (Welch-MA).

CANADA-RCI-5960, f/d 40th Ann card in 39d (Trotto-FL). Same F/D DIY card in 70d (Van Horn-FL). CKZN-6160, CBC card in 15d for ms (De Jong-Ont). CFRX-6070, f/d airplane card in 115 days with a sticker (D. Jones-VA). Cards in 145 and 45 days for ms (Jordan-NC). Same in 60d (Stuart-OK). Same and sticker in 20d (Friberg-NH). Same in 7 months (Friberg-NH). Same in 58d (Gerstner-NY). Notes of apology for the delays were also recd. IBRA Radio-9510, time/freq card in 205 days along with a pennant for ms (Trotto-FL).

COSTA RICA-R. Reloj-6006, date/freq card in 22d for an irc (Welch-MA). TIPC-6175, n/d folder card in 14d for 2 ircs (Welch-MA).

CUBA-RHC-17885, f/d cards in 104d along with returned IRCs (Kaessinger-GERMANY). R. Moscow-6110, Bolshoi Theater card in 29d (Drollinger-WI).

DOMINICAN REPUBLIC-R. Earth via R. Clarin-11700, f/d card in 37d for 2 ircs (Camillo-NY).

GUATEMALA-Union Radio-AWR-6090, f/d AWR logo card in 65d for 2 ircs (Downing-CO). Card in 98d for ms (Stephany-NY). TGNA-3300, date/freq card in 61 days (Thompson-NM).

HAITI-AVEH-4930, yellow station picture card in 92 days after a f/up, for 1 irc (Drollinger-WI).

NETHERLANDS ANTILLES-TWR-9535, f/d underwater buoy card in 46 days for an irc (Zirkelbach-CA). RN-6165, 9590, 9715, f/d flevo card in 46d for an irc (Zirkelbach-CA). Studio card in 33d for an irc (Wilkins-CO). Building card in 35d (Moll-MI). Card in 23d (Welch-MA).

NICARAGUA-R. Zinica-6120, 2 page form letter in 134d for ms and a SS rpt (Stephany-NY). V?S-Arturo J. Valdez R.-Director.

UNITED STATES OF AMERICA-VOA-9700, DELANO-f/d lighthouse card in 16d (Dillon-MD). 6040, Wooferton, UK-f/d cable card in 178!!! days for an irc (Kaessinger-Germany). 7190, Tangier MOROCCO-lighthouse card in 7 days (Woering-??). These cards should be reported as the relay site marked on the card. Tangier would have gone under Morocco, Africa and Woof. under UK, Europe. Please try to do this in the future. Thanks. United Nations Radio-17730, logo card in 8 days for ms (Wallenhorst-OH). Same in 5 days (Gerstner-NY). for 15120 Khz. 11780, f/d card via Greenville, SC in 21 days (Woering-??). KGEL-15280, f/d San Francisco scenes card in 33d for ms (Gerstner-NY). WRNO-11890, f/d World's Fair card in 23 days for ms (Wilkins-CO). WYFR-15215, f/d 10th Ann. card in 36d for ms (Gerstner-NY). KCHI-11790, f/d target map card in 17d for ms (Gunter-NC). R. Clandestine-7375, f/d form letter in 90d for ms (Stephany-NY). V of Tomorrow-7410, f/d forest card in 161d for SASE (Jordan-NC). Secret Mountain Lab-7432, f/d letter in 4 1/2 months for ms (Jones-VA). Interesting, but not SWBC, KPF-941, 1622, freq only antenna card in 88 days for ms. This was a licensed auxiliary of WOZW/WOZI in Maine, but was closed by the FCC for broadcasting its own programming. (Stephany-NY). Wow, what a long USA section, guess it's because I mixed in the pirate.

## SOUTH AMERICA

ARGENTINA-RAE-15345, f/d logo card in 75d along with a pennant (Gerstner-NY).

BRAZIL-R. Nacional-Manaus, 4845, f/d card in 316 days for a PP rpt and an irc. Received a program sked, personal letter, stamps, sticker and a map of shortwave stations in Western Brazil. V/s-Eudson Monteiro Lima, Aux. de Esenitonio (Dillon-MD). R. Brazil Central-4985, n/d letter in 32 days for 2 ircs (Thompson-NM). R. Bras-15290, f/d nude statue card in 60 days (Jordan-NC).

COLOMBIA-R. Super-4875, freq only form letter in 709!!! days for ms and a SS rpt (Stephany-NY). Ismael Ochoa M.-Gerente. R. Macarena-5975, f/d logo/map card in 115 days for ms and a SS rpt. Also recd a personal letter and a sticker (Stephany-NY). V/S- Enrique Zambrano Nieto-Gerente.

ECUADOR-HCJB-17790, f/d transportation in Ecuador card in 60 days (Adams-MA). Indians card in 43d for a JJ rpt (Miyachi-JPN). Same in 66 days (Zirkelbach, CA). R. Popular de Cuenca-4801, f/d vendors card for a SS rpt via Don Moore (Wilkins-CO). Manaña De Villavicencio was the V/S. I think that John has found the best way to QSL Ecuadorian Stations-- by a personal visit! R. Catolica Nac-5055, letter in 56 days with a pennant and station info sheet for ms and a SS rpt (Stephany-NY). V/S- Diana Garcia A.-Sec. Gen: Same in 22 days for 2 ircs and a SS rpt Pagano-DC).

FRENCH GUIANA-RFI-9800-f/d logo card in 18d (Downing-CO). 9790, same in 26 days with a pennant (D'Angelo-PA).

PARAGUAY-R. Nac-9735, freq only letter in 67 days for a ss rpt and an irc. Reply was via registered airmail (Miyachi-JPN).

PERU-R. San Martin-4810, f/d personal letter in 156 days with a sticker, for a SS rpt and ms. The postage on the letter was a Japanese IRC! (Stephany-NY). V/S-Kelly Barrera Fachin-Administrador.

VENEZUELA-R. Barquisimeto-4990, f/d acrd in 25 days for a SS rpt and ms. V/S-Ligia Villanueva A. (Wilkins-CO). Same in 94 days for ms and a SS rpt (Stephany-NY).

Well, that raps up the material for this month. There was alot this time around. I hope that everyone keeps up the good work!

By the time you read this I will have attended the Dayton Hamvention, in Ohio. I will inform everyone of any new and interesting equipment that I see there, next month. I know that Yeasu has a new receiver out, but I have not seen it yet.

Now for some New York news, Hi Hi. The NY Rangers, my favorite hockey team, are out of the playoffs again. Oh well, at least the Mets are winning. Why am I mentioning sports in a shortwave publication? I don't know, but i only do it once a year, at hockey playoff time, Hi.

Well I will fill up the rest of the space with a QSL. See you all next month. Best DX and good QSLing! 73

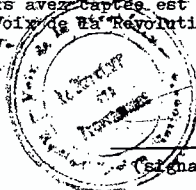
*Leon N1ZP*

M. Edward Kusalik

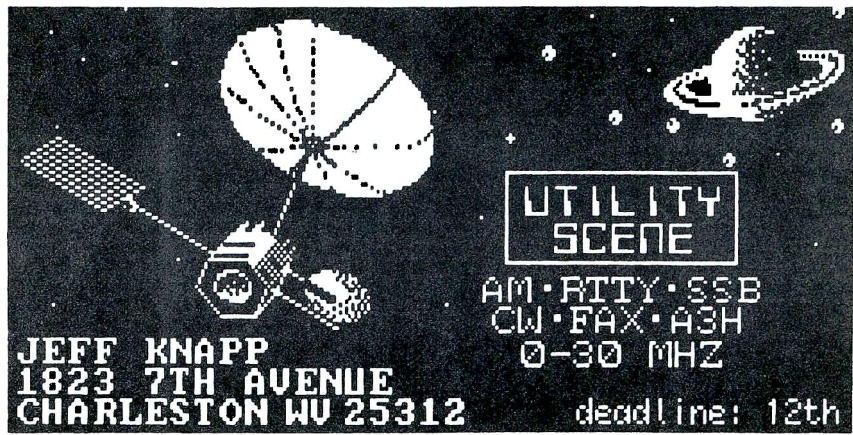
CANADA, TOK OLO

Nous confirmons votre réception d'une de nos transmissions de radio sur 15310 Khz, ven date du 17 décembre, 1983 à 22:55 et 23:26 heure, GMT.

La station que vous avez captée est Radiodiffusion Télévision Guinéenne-Voix de la Révolution dont la Puissance est de 80 kw.



(Signature et sceau)



**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    | 2397.0  | U | 0829 | W6G 56   | KETCHIKAN      | MARCO  | P/P                       | GS -WA |
| AK    | 4125.0  | U | 0800 | KCI 95   |                |        | WEATHER BCST              | GS -WA |
| AK    | 8628.5  | C | 0305 | NOJ      | KODIAK         | USCG   | CQ MARKER                 | GLT-NM |
| AK    | 8765.4  | U | 2335 | NOJ      | KODIAK         | USCG   | WKG M/V SEA DIAMOND       | DRU-HI |
| CAN   | 2103.5  | U | 0345 | VAF      | ALERT BAY      | CCG    | WKG CCGC RACER            | GS -WA |
| CAN   | 2182.0  | U | 0244 | VAU      | YARMOUTH       | CCG    | WKG F/V SHARON & SONS     | JFH-MA |
| CAN   | 2182.0  | U | 0225 | VCO      | SYDNEY         | CCG    | WKG CCGC LABRADOR         | ES -MA |
| CAN   | 2598.0  | A | 0245 | VCN      | GRINDSTONE     | CCG    | WEATHER                   | PAC-UK |
| CAN   | 2598.0  | U | 0010 | VDO      | COMFORT COVE   | CCG    | 'SECURITY' & MARINE BCST  | PAC-UK |
| CAN   | 2598.0  | U | 0813 | VCS      | HALIFAX        | CCG    | ICE REPORTS               | RT -FL |
| CAN   | 3481.0  | U | 0350 |          | GANDER         |        | VOLMET WEATHER            | ML -ON |
| CAN   | 4410.0  | U | 2215 | VCS      | HALIFAX        | CCG    | MARINE WEATHER BCST       | J6 -NY |
| CAN   | 5095.0  | A | 1253 | CFH II   | HALIFAX        | CANMIL | NAMS DE CFH II            | BC -MD |
| CAN   | 6753.0  | U | 0222 | VXA      | EDMONTON       | CANMIL | AVIATION WEATHER          | MH -CA |
| CAN   | 6944.0  | C | 0825 | CKN      | VANCOUVER      | CANMIL | V MARKER                  | DRU-HI |
| CAN   | 8463.0  | C | 0315 | CKN      | VANCOUVER      | CANMIL | NAMS DE CKN               | DRU-HI |
| CAN   | 8697.0  | C | 0330 | CFH      | HALIFAX        | CANMIL | V MARKER                  | DRU-HI |
| CAN   | 8787.1  | U | 0302 | VCS      | HALIFAX        | CCG    | WKG LONDON SPIRIT         | RR -MS |
| CAN   | 8891.0  | U | 2354 |          | CAMBRIDGE BAY  | AERO   | WKG ITALIA 433. TENT ID   | DS -OH |
| CAN   | 8891.0  | U | 1918 |          | CHURCHILL      | AERO   | WKG CALEDONIAN 253        | JCH-MD |
| CAN   | 10052.0 | U | 0626 |          | GANDER         | AERO   | WEATHER                   | MW -CA |
| CAN   | 12125.4 | C | 1845 | CKN      | VANCOUVER      | CANMIL | V MARKER                  | DRU-HI |
| CAN   | 12876.0 | C | 2225 | VAI      | VANCOUVER      | CCG    | CQ MARKER                 | DRU-HI |
| CAN   | 13271.0 | U | 0029 | VFG      | GANDER         | CCG    | VOLMET WEATHER            | SMM-MI |
| CAN   | 14445.0 | U | 1736 | CIW 8108 |                | AERO   | P/P CIW 828               | AD -NY |
| CAN   | 15035.0 | U | 1733 | CHR      | TRENTON        | CANMIL | WEATHER                   | RT -FL |
| CAN   | 15035.0 | U | 1720 |          | GANDER         | AERO   | WEATHER, TENTATIVE ID     | FAV-CA |
| CAN   | 17175.0 | C | 2028 | VAI      | VANCOUVER      | CCG    | CQ MARKER                 | AL -MA |
| ICE   | 8891.0  | U | 0002 |          | REYKJAVIK      | AERO   | WKG SAS 980               | RM -IL |
| MEX   | 8563.0  | C | 0226 | XFE      | ENSENADA       | MARCO  | CQ MARKER                 | AL -MA |
| MEX   | 8728.2  | U | 0422 | W6 8196  | LA PAZ         | MARCO  | CLG KMI                   | LT -SD |
| USA   | 1670.0  | U | 0444 | NMF      | BLIND          | USCG   | NOTICE TO MARINERS        | JFH-MA |
| USA   | 1830.0  | C | 0622 | NNU 31   | SLIDELL        | MARCO  | POSSIBLE PARASITIC? WEAK! | SN -TX |
| USA   | 2182.0  | U | 0441 | NOK      | KEY WEST       | USCG   | TFC WITH VESSELS          | GS -WA |
| USA   | 2182.0  | U | 2204 | NMF 44   | SOUTH HARBOR   | USCG   | WKG M/V ADRIAN            | JFH-MA |
| USA   | 2182.0  | U | 0358 | NMF 47   | WEST JONESPORT | USCG   | WKG F/V JESSICA B         | JFH-MA |
| USA   | 2638.0  | U | 0303 | NMF 31   | SOUTH PORTLAND | USCG   | WKG JESSICA B ABOUT FIRE  | JFH-MA |
| USA   | 2670.0  | U | 0324 | NOQ      | MOBILE         | USCG   | NM                        | AL -MA |
| USA   | 2670.0  | C | 0114 | NMF 4    | BOSTON         | USCG   | TFC WITH 'ST. JUDE'       | AL -MA |
| USA   | 2670.0  | U | 2304 | NMK      | CAPE MAY       | USCG   | WEATHER BCST              | AL -MA |
| USA   | 2670.0  | U | 2317 | NMF 2    | BOSTON         | USCG   | WKG USC6G CAPE MORGAN     | AL -MA |
| USA   | 2670.0  | U | 0325 | NMF 2    | BOSTON         | USCG   | WKG USC6G TURNER          | ES -MA |
| USA   | 2887.0  | U | 0757 | WSY 70   | NEW YORK       | AERO   | WKG CLIPPER 1036          | RT -FL |
| USA   | 3016.6  | U | 0140 | WSY 70   | NEW YORK       | AERO   | WKG SPRINGBOK 212         | AJN-NY |
| USA   | 3123.0  | U | 0251 | NOT      | TRAVERSE CITY  | USCG   | WKG CG 2132               | SR -MI |
| USA   | 3481.0  | U | 0400 |          | NEW YORK       |        | VOLMET WEATHER            | ML -ON |
| USA   | 4125.0  | U | 0014 | WX2 393  |                | MARCO  | 'SEA HARVEST BASE'        | FWB-NJ |
| USA   | 4363.0  | C | 0527 | WOM      | PENNSUCO       | MARCO  | TFC W/ SS AMERICANIS      | AL -MA |
| USA   | 4363.6  | U | 1002 | WOM      | PENNSUCO       | MARCO  | WKG GBFC PACIFIC PRINCESS | DRU-HI |
| USA   | 4391.0  | U | 0335 | WOM      | PENNSUCO       | MARCO  | TFC WITH ELBM 9           | AL -MA |
| USA   | 4391.5  | U | 0523 | WOM      | PENNSUCO       | MARCO  | WKG PACIFIC PRINCESS      | JCH-MD |
| USA   | 4400.8  | U | 0108 | SDS 200  |                |        | WKG NMA                   | J6 -NY |
| USA   | 4400.8  | U | 0905 | NMA      | MIAMI          | USCG   | WKG USS HOLLAND           | DRU-HI |
| USA   | 4400.8  | U | 0501 | NMA      | MIAMI          | USCG   | WKG USC6G MESSQUITE       | JFH-MA |
| USA   | 4407.0  | U | 0344 | WOM      | PENNSUCO       | MARCO  | TFC W/ 'A. REGINA'        | AL -MA |
| USA   | 4413.1  | U | 0600 |          |                | AERO   | WEATHER, POSSIBLY MIAMI   | FAV-CA |
| USA   | 4425.6  | U | 0730 | WOM      | PENNSUCO       | MARCO  | WKG PACIFIC PRINCESS      | RSR-ON |
| USA   | 4428.0  | U | 0357 | NMN      | PORTSMOUTH     | USCG   | HIGH SEAS WEATHER         | AL -MA |

|     |         |   |      |     |            |        |                           |        |
|-----|---------|---|------|-----|------------|--------|---------------------------|--------|
| USA | 4428.0  | U | 0241 | NMN | PORTSMOUTH | USCG   | TFC W/CHEVRON FELA        | AL -MA |
| USA | 4428.0  | U | 0258 | NMA | MIAMI      | USCG   | WKG NMR                   | AL -MA |
| USA | 4428.7  | U | 0804 | NMN | PORTSMOUTH | USCG   | WKG USCGC GLACIER         | DRU-HI |
| USA | 4507.5  | U | 0200 | KAF | 360        | MINCAP | WKG VARIOUS CAP UNITS     | LT -SD |
| USA | 4637.0  | U | 1015 | KMG | 649        | MARCO  | TFC TO OIL RIG            | RT -FL |
| USA | 4781.0  | C | 0237 | WBG | 912        | FEMA   | 5D GROUPS                 | RR -MS |
| USA | 5320.0  | C | 0224 | NMG |            | USCG   | TESTING CLEAR & SCRAMBLED | JFH-MA |
| USA | 5320.0  | C | 0126 | NIK |            | USCG   | ICEBERG BULLETIN          | DS -OH |
| USA | 5692.0  | U | 1218 | NOI |            | USCG   | WKG CG 1455               | AL -MA |
| USA | 5692.0  | U | 0204 | NOH |            | USCG   | WKG CG 2129               | SR -MI |
| USA | 5696.0  | U | 0310 | NMF |            | USCG   | CLG UNIT 1446             | ES -MA |
| USA | 5696.0  | U | 0130 | NMF |            | USCG   | WKG CG 2119               | RJC-MA |
| USA | 6352.0  | C | 1230 | WMH |            | USCG   | WKG CG 1490               | HBB-WA |
| USA | 6364.0  | C | 1233 | KFS |            | MARCO  | V MARKER                  | BC -MD |
| USA | 6374.0  | C | 1323 | WCC |            | MARCO  | CQ MARKER                 | BC -MD |
| USA | 6448.0  | C | 0521 | WLO | 2          | MARCO  | V MARKER                  | BC -MD |
| USA | 6477.5  | C | 1215 | KPH |            | MARCO  | V MARKER                  | BC -MD |
| USA | 6506.4  | U | 0357 | NMN |            | MARCO  | V MARKER                  | DRU-HI |
| USA | 6506.4  | U | 0357 | NMN |            | USCG   | WEATHER FOR NEW ENGLAND   | ML -ON |
| USA | 6507.0  | U | 2329 | NNN |            | USCG   | WKG USCGC GLACIER         | RR -MS |
| USA | 6521.9  | U | 1500 | KLS |            | MARCO  | OM W/FREQ LIST, YL W/WX   | AJN-NY |
| USA | 6521.9  | U | 1419 | WFE |            | USCG   | TELEDYNY CORP. WKG SHIPS  | DS -OH |
| USA | 6683.0  | U | 0315 | AGA |            | MARCO  | WEST, GEO. WKG THEIR BOAT | DS -OH |
| USA | 6750.0  | U | 0226 | AFF | 8          | USAF   | P/P FOR AC 126            | RMA-LA |
| USA | 8474.0  | C | 0755 | WLO |            | AFB    | WEATHER AT LORING & GOOSE | ML -ON |
| USA | 8502.0  | C | 2208 | WKM |            | MARCO  | CQ MARKER                 | DRU-HI |
| USA | 8616.0  | C | 1233 | WPD |            | MARCO  | DE MARKER                 | PAC-UK |
| USA | 8642.0  | C | 0443 | KPH |            | MARCO  | V MARKER                  | CEK-WV |
| USA | 8666.0  | C | 1240 | KLC |            | MARCO  | DE MARKER                 | DB -AR |
| USA | 8680.5  | C | 1230 | WSC |            | MARCO  | CQ MARKER                 | DRU-HI |
| USA | 8712.0  | C | 0322 | WLO |            | MARCO  | CQ MARKER                 | DRU-HI |
| USA | 8722.0  | U | 0430 | WOM |            | MARCO  | WLO RTTY                  | FER-NY |
| USA | 8722.0  | U | 2357 | WOM |            | MARCO  | TFC LIST                  | DRU-HI |
| USA | 8725.1  | U |      | WOM |            | MARCO  | WKG THE BRITANIS          | TF -KY |
| USA | 8731.3  | U | 0540 | WOM |            | MARCO  | WKG FAIRSKY               | LT -SD |
| USA | 8743.7  | U | 0700 | KMI |            | MARCO  | WKG M/V COWBOYS           | DRU-HI |
| USA | 8793.3  | U | 0330 | WOM |            | MARCO  | TFC LIST                  | DRU-HI |
| USA | 8905.7  | U | 0600 | WLO |            | MARCO  | TFC LIST                  | DRU-HI |
| USA | 8911.9  | U | 0338 | WOM |            | MARCO  | TFC LIST                  | DRU-HI |
| USA | 8989.5  | U | 0238 | WOM |            | MARCO  | WKG MANDI JAY             | DRH-HI |
| USA | 10000.0 | A | 2319 | WHV |            | USAF   | WKG 0409                  | AJN-NY |
| USA | 11176.0 | U | 1800 | NMA |            | SFTS   | TIME SIGNALS              | BC -MD |
| USA | 11180.0 | U | 1728 | AGA |            | USCG   | WKG USAF AIRCRAFT         | HBB-WA |
| USA | 11555.0 | U | 1758 | KRF | 263        | DOE    | WKG MACDILL               | HBB-WA |
| USA | 12719.0 | U | 0108 | NMN |            | USCG   | WKG NUCLEAR TRANSPORT     | BS -MD |
| USA | 12748.0 | C | 1936 | WKM |            | MARCO  | CQ MARKER                 | BC -MD |
| USA | 12958.0 | C | 2152 | WKM |            | MARCO  | ANNOUNCING APRIL FREQS    | PAC-UK |
| USA | 13038.0 | C | 0240 | KLC |            | MARCO  | CQ MARKER                 | PAT-CA |
| USA | 13051.5 | C | 2238 | WPD |            | MARCO  | CQ MARKER                 | DRU-HI |
| USA | 13100.8 | U | 2236 | KMI |            | MARCO  | CQ MARKER                 | PAT-CA |
| USA | 13116.3 | C | 2211 | WOM |            | MARCO  | WKG WR 5447 MAGNUM FORCE  | DRU-HI |
| USA | 14398.0 | L | 0230 | VDA |            | MARCO  | OFFSHORE FORECAST         | PAT-CA |
| USA | 15015.0 | U | 2000 | AFG | 37         | FEEDER | PHMS                      | JNN-CA |
| USA | 16587.1 | U | 2032 | KXC | 713        | USAF   | WKG 4032                  | RT -FL |
| USA | 16915.0 | U | 2101 | WSC |            | USCG   | WKG VESSEL ATLANTIS II    | BS -WA |
| USA | 17016.5 | C | 0355 | KPH |            | MARCO  | CQ MARKER                 | BC -MD |
| USA | 17026.6 | C | 1824 | WMM |            | MARCO  | CQ MARKER                 | DRU-HI |
| USA | 17093.6 | C | 1840 | WLO |            | MARCO  | CQ MARKER                 | DRU-HI |
| USA | 17199.5 | C | 1840 | WLO |            | MARCO  | V MARKER                  | PAT-CA |
| USA | 17232.0 | C | 2030 | WOM |            | MARCO  | DE MARKER                 | DRU-HI |
| USA | 18137.5 | U | 2240 | VDA |            | MARCO  | TFC LIST                  | AL -MA |
| USA | 19263.0 | C | 1708 | VDA |            | FEEDER | DIXON OR DELANO CALIF.    | DRU-HI |
| USA | 19263.0 | U | 1708 | VDA |            | FEEDER |                           | BC -MD |
| USA | 19482.0 | U | 1947 | VDA |            | FEEDER | TOP 40 MUSIC              | BC -MD |
|     |         |   |      |     |            | FEEDER | RR PGM                    | BC -MD |

\*\*\* CENTRAL AMERICA \*\*\*

| CNTRY | FREQ    | M | TIME | CALL  | CITY    | IDENT | TRAFFIC           | CONTRB |
|-------|---------|---|------|-------|---------|-------|-------------------|--------|
| COST  | 17149.0 | U | 2015 | TIM   | LIMON   | MARCO | CQ MARKER         | AL -MA |
| COST  | 17149.1 | C | 1814 | TIM   | LIMON   | MARCO | CQ MARKER         | PAT-CA |
| PANA  | 11176.0 | U | 2101 | AHF 3 | ALBROOK | USAF  | WKG RF RESCUE 828 | JCH-MD |
| PANA  | 15015.0 | U | 1958 |       | ALBROOK | USAF  | P/P FOR TRUCK 03  | RT -FL |

\*\*\* CARIBBEAN \*\*\*

| CNTRY | FREQ    | M | TIME | CALL    | CITY         | IDENT  | TRAFFIC              | CONTRB |
|-------|---------|---|------|---------|--------------|--------|----------------------|--------|
| BARB  | 6379.0  | C | 0617 | BPD     | BRIDGETOWN   | MARCO  | DE MARKER            | AL -MA |
| BARB  | 8449.5  | C | 0020 | BPD     | BRIDGETOWN   | MARCO  | V MARKER             | RR -MS |
| CUBA  | 5126.0  | C | 0100 | Y7L 36  | HAVANA       | EMBASY | GDR EMB. QRA MARKER  | MC -NY |
| CUBA  | 5258.0  | C | 0036 | CMU 947 | SANTIAGO     | NAVBRD | CLG RMXK             | MC -NY |
| CUBA  | 5258.0  | C | 2320 | CMU 947 | SANTIAGO     | NAVBRD | WKG UEM              | MC -NY |
| CUBA  | 8573.0  | C | 0730 | CLA 26  | HAVANA       | MARCO  | CQ MARKER            | DRU-HI |
| CUBA  | 13042.0 | C | 2240 | CLA 32  | HAVANA       | MARCO  | CQ MARKER            | DRU-HI |
| JAM   | 15024.0 | C | 1745 | COL     |              | MARCO  | WKG RNFV             | RLR-KS |
| MART  | 2182.0  | C | 2359 | BYX     | KINGSTON     | JCG    | WKG MAYDAY FROM PJWE | JFH-MA |
| MART  | 3523.5  | C | 0600 | FUF     | FT DE FRANCE | NAVBRD | V MARKER             | RR -MS |
| MART  | 6387.0  | C | 0123 | FUF     | FT DE FRANCE | NAVBRD | V MARKER             | BC -MD |
| MART  | 12831.0 | C | 2045 | FUF     | FT DE FRANCE | NAVBRD | V MARKER             | RR -IL |
| MART  | 16962.0 | C | 2340 | FUF     | FT DE FRANCE | NAVBRD | CQ MARKER            | DRU-HI |
| MART  | 22391.0 | C | 161  | FUF     | FT DE FRANCE | NAVBRD | V MARKER             | BC -MD |
| PR    | 4400.8  | C | 0506 | NMR     | SAN JUAN     | USCG   | WKG USCGC SAGEBRUSH  | JFH-MA |
| PR    | 8471.0  | C | 0310 | NMR     | SAN JUAN     | USCG   | CQ MARKER            | BC -MD |
| PR    | 16984.0 | C | 2142 | NMR     | SAN JUAN     | USCG   | CQ MARKER            | BC -MD |



|      |        |   |      |     |            |       |                  |        |
|------|--------|---|------|-----|------------|-------|------------------|--------|
| TRIN | 8441.0 | C | 1253 | 9YL | NORTH POST | MARCO | CQ MARKER        | RR -MS |
| TRIN | 8855.0 | U | 2045 |     | PIARCO     | AERO  | WKG ALITALIA 566 | JCH-MD |

\*\*\* SOUTH AMERICA \*\*\*

| CNTRY | FREQ    | M | TIME | CALL   | CITY           | IDENT   | TRAFFIC                 | CONTRB |
|-------|---------|---|------|--------|----------------|---------|-------------------------|--------|
| ARGN  | 8759.2  | U | 0114 | LPL 3  | BEN. PACHECO   | MARCO   | VOICE MARKER            | AO -NY |
| ARGN  | 11070.0 | R | 0000 | LDR    | P. BELGRAND    | NAVBRAD | WKG 88V                 | RMA-IA |
| ARGN  | 12988.5 | C | 9250 | LPD 88 | BEN. PACHECO   | MARCO   | V MARKER                | DRU-HI |
| ARGN  | 17045.5 | C | 2000 | LFD 46 | BEN. PACHECO   | MARCO   | V MARKER                | HBB-WA |
| ARGN  | 17522.9 | C | 2053 | LPL 5  | BEN. PACHECO   | MARCO   | VOICE MARKER            | JCH-MD |
| ASCN  | 8520.0  | U | 0516 | AFD 14 | ASCENSION      | AERO    | WKG MAK 38078           | GS -WA |
| BRZL  | 4244.0  | C | 0653 | PPR    | RIO DE JANEIRO | MARCO   | V MARKER                | RJC-MD |
| BRZL  | 8520.0  | C | 0135 | PPD    | OLINDA         | MARCO   | CQ MARKER               | JCH-MD |
| BRZL  | 10096.0 | U | 0444 |        | BRAZILIA       | AERO    | WKG BIANCA 942          | PAC-UK |
| BRZL  | 12689.0 | C | 2122 | PPJ    | JUNCAO         | MARCO   | V MARKER                | CEK-WV |
| BRZL  | 12980.0 | C | 1934 | PPL    | BELEM          | MARCO   | V MARKER                | AL -MA |
| BRZL  | 17170.0 | C | 2021 | PPL    | BELEM          | MARCO   | V MARKER                | BPS-CA |
| BRZL  | 22352.4 | C | 2150 | PPR    | RIO DE JANEIRO | MARCO   | V MARKER                | BPS-CA |
| BRZL  | 22420.0 | C | 2150 | PPR    | RIO DE JANEIRO | MARCO   | V MARKER                | BPS-CA |
| CHIL  | 4765.0  | C | 0755 | CCS    | SANTIAGO       | NAVBRAD | V MARKER                | JEB-CA |
| CHIL  | 8592.0  | R | 0110 | CCS    | SANTIAGO       | NAVBRAD | CODED TFC               | GLT-NM |
| CHIL  | 8595.5  | C | 0150 | CCS    | SANTIAGO       | NAVBRAD | V MARKER                | PAC-UK |
| CHIL  | 8682.0  | C | 0150 | CCS    | SANTIAGO       | NAVBRAD | V MARKER                | BC -MD |
| COLO  | 17004.0 | C | 1744 | HKB    | BARRANQUILLA   | MARCO   | CQ MARKER               | FM -IL |
| COLO  | 17004.0 | C | 2104 | HKB    | BARRANQUILLA   | MARCO   | CQ MARKER               | RR -MS |
| FFGU  | 13685.0 | U | 1718 | FBC 36 | CAYENNE        | NAVBRAD | V MARKER                | RR -LL |
| PERU  | 8526.9  | C | 1258 | DBY 2  | PAITA          | AERO    | WKG ARGENTINA 384 IN SS | RR -MS |
| PERU  | 10024.0 | U | 0300 |        | LIMA           | AERO    | WKG ARGENTINA 384 IN SS | RR -LL |
| URGY  | 8602.0  | C | 0444 | CWA    | CERRITO        | MARCO   | CQ MARKER               | AL -MA |

\*\*\*EUROPE \*\*\*

| CNTRY | FREQ    | M | TIME | CALL    | CITY          | IDENT   | TRAFFIC                   | CONTRB |
|-------|---------|---|------|---------|---------------|---------|---------------------------|--------|
| AZOR  | 6750.0  | U | 0516 | CUW     | LAJES         | USAF    | WKG MAC 70010             | RR -MS |
| AZOR  | 9205.0  | L | 2321 | CUW     | LAJES         | USAF    | WKG ANDREWS               | GR -IL |
| AZOR  | 14606.0 | U | 1909 | CUW 20  | LAJES         | USAF    | CLG AGAARA                | AO -NY |
| BELG  | 4582.3  | C | 0209 | DNV 27  | ROUVEROY      | MARCO   | TFC LIST                  | AJN-NY |
| BELG  | 13119.4 | U | 1603 | OST     | OOSTENDE      | MARCO   | TFC LIST                  | DS -OH |
| CYPR  | 10220.0 | L | 1142 | MGD     | AKROTIRI      | RAF     | TELCON TFC                | IK -UK |
| CYPR  | 14360.0 | C | 1444 | KWS 78  | NICOSIA       | EMBASY  | ORA MARKER                | RLR-KS |
| CYPR  | 14563.0 | U | 2045 | SBA     | NICOSIA       | MARCO   | VOICE MKR. TENTATIVE ID   | FWB-NJ |
| DEN   | 2182.0  | C | 0210 | DXB     | BLAAVAND      | MARCO   |                           | PAC-UK |
| DEN   | 2586.0  | A | 2154 | DYE     | ROENNE        | MARCO   | GALE WARNING              | PAC-UK |
| DEN   | 12329.0 | C | 1900 | DVB 12  | FREDERIKSHAVN | NAVBRAD | V MARKER                  | RR -IL |
| DEN   | 12753.0 | C | 2121 | DXZ     | LYNBYG        | MARCO   | CQ MARKER                 | AL -MA |
| DEN   | 12753.5 | C | 1720 | DXZ     | LYNBYG        | MARCO   | CQ MARKER                 | GS -WA |
| DEN   | 17069.3 | C | 1655 | DXZ 8   | LYNBYG        | MARCO   | TFC                       | AJN-NY |
| EIRE  | 4675.0  | U | 0308 |         | SHANWICK      | AERO    | WKG AIR CANADA 872        | RR -IL |
| EIRE  | 5640.0  | U | 0040 |         | SHANNON       | VOLMET  | AERO WEATHER              | JG -NY |
| ENG   | 3188.5  | C | 0131 | GYW     | PORTLAND      | NAVBRAD | DE MARKER                 | FWB-NJ |
| ENG   | 4722.0  | U | 0330 | MVU     | WEST DRAYTON  | VOLMET  | RAF BASE FORECASTS        | AJS-VA |
| ENG   | 4722.7  | U | 0130 | MVU     | WEST DRAYTON  | VOLMET  | EE WEATHER                | AJN-NY |
| ENG   | 5376.8  | L | 2340 | AJE     | CROUGHTON     | USAF    | AFRTS FEEDER              | IK -UK |
| ENG   | 8493.0  | C | 2210 | GVA     | LONDON        | NAVBRAD | DE MARKER                 | AL -MA |
| ENG   | 8921.0  | U | 2125 |         | LONDON        | ENGMIL  | AFRTS FEEDER              | JCH-MD |
| ENG   | 9242.1  | L | 0840 | AJE     | CROUGHTON     | USAF    | WKG CROUGHTON AFB         | RR -MS |
| ENG   | 11176.0 | U | 1823 | ABA 236 |               | USAF    | WKG TARRAGON              | JCH-MD |
| ENG   | 11176.0 | U | 1740 | AJE     | CROUGHTON     | NAVBRAD | V MARKER                  | CEK-WV |
| ENG   | 12808.0 | C | 1920 | GVC 5   | LONDON        | MARCO   | MAYDAY RELAYS DE ENG CG   | RM -IL |
| ENG   | 13172.1 | L | 2225 | GKV 54  | PORTISHEAD    | NAVBRAD | 'CYPRUS' TALKING TO CHA 2 | RM -IL |
| ENG   | 13695.0 | L | 1250 | GVA     | LONDON        | NAVBRAD | DE MARKER                 | FWB-NJ |
| ENG   | 17214.0 | C | 1709 | GKF     | PORTISHEAD    | MARCO   | DE MARKER                 | FWB-NJ |
| ENG   | 17218.0 | C | 1711 | GKY     | PORTISHEAD    | MARCO   | DE MARKER. TENTATIVE ID   | FWB-NJ |
| ENG   | 17231.0 | C | 1709 | GKQ     | PORTISHEAD    | MARCO   | DE MARKER                 | RR -IL |
| ENG   | 17236.0 | U | 1800 | GKW     | PORTISHEAD    | MARCO   | SHIP TO SHORE TFC         | HBB-WA |
| ENG   | 17236.0 | U | 1558 | GRT     | PORTISHEAD    | MARCO   | WKG P/P. TENTATIVE ID     | JFH-MA |
| FRAN  | 2182.0  | U | 0830 | FVA 60  | BREST/CONQUET | MARCO   | WKG USCG SAN JUAN         | IK -UK |
| FRAN  | 4061.7  | C | 0612 | FFL 21  | ST. LYS       | MARCO   | ACCORDIAN MUSIC MARKER    | RT -FL |
| FRAN  | 4366.0  | U | 0612 | FFL 21  | ST. LYS       | FAF     | V MARKER                  | RR -MS |
| FRAN  | 5010.0  | C | 0333 | FDC     | METZ-FRESCATY | MARCO   | TFC LIST                  | RR -MS |
| FRAN  | 6421.6  | C | 0039 | FFL 3   | ST. LYS       | MARCO   | ACCORDIAN MARKER          | AO -NY |
| FRAN  | 8793.3  | U | 0110 | FFL 42  | ST. LYS       | MARCO   | V MARKER                  | RR -MS |
| FRAN  | 9805.0  | C | 0913 | FDY     | ORLEANS       | FAF     | V MARKER                  | RR -IL |
| FRAN  | 10563.0 | C | 1952 | FTK 56  | PARIS         | AFP     | FF NEWS                   | AO -NY |
| FRAN  | 10765.0 | U | 1922 | FTK 76  | PARIS         | FTS     | VOICE MARKER              | RR -IL |
| FRAN  | 13178.3 | U | 1300 |         | PARIS         | FTS     | ACCORDIAN MUSIC MARKER    | RM -IL |
| FRAN  | 13193.8 | U | 1242 |         | PARIS         | FTS     | MY MKR. NOT // 13178.3    | RM -IL |
| FRAN  | 13685.0 | U | 1740 | AJE     | PARIS         | FTS     | VOICE MARKER              | RM -IL |
| FRAN  | 13780.0 | C | 2043 | FDY 68  | ORLEANS       | FAF     | V MARKER                  | RM -IL |
| FRAN  | 17181.0 | C | 1005 | HWN     | PARIS         | NAVBRAD | V MARKER                  | BC -MD |
| FRAN  | 18190.0 | C | 1420 | FSB 59  | PARIS         | INTRPL  | TFC TO OTTAWA             | RR -IL |
| FRAN  | 18978.0 | U | 2008 |         | PARIS         | PTT     | EE/FF/YL VOICE MARKER     | RR -IL |
| FRG   | 5690.0  | U | 0520 | DHM 95  | LAHR          | AFB     | WEATHER                   | KJL-AK |
| FRG   | 6637.0  | U | 0114 |         | FRANKFORT     | AERO    | LUFTHANSA WKG SABENA 430  | RR -IL |
| FRG   | 8484.5  | C | 1552 | DAN     | NORDDEICH     | MARCO   | CQ MARKER                 | GS -WA |
| FRG   | 17174.0 | C | 1000 | DAL     | NORDDEICH     | MARCO   | V MARKER                  | BC -MD |
| GDR   | 4523.0  | A | 0550 | Y3S     | NAUEN         | SFTS    | TIME SIGNALS. ID IN CW    | RT -FL |
| GDR   | 4523.0  | C | 0214 | FUS     | NAUEN         | SFTS    | TIME SIGS. TENTATIVE ID   | AJN-NY |
| GDR   | 14818.7 | C | 1246 | Y7A 60  | BERLIN        | MFA     | V MARKER                  | RR -MS |
| GIBR  | 4221.2  | C | 0535 | GYU     | GIBRALTER     | NAVBRAD | DE MARKER                 | RR -IL |
| GIBR  | 8625.0  | C | 0241 | GYU     | GIBRALTER     | NAVBRAD | DE MARKER                 | AL -MA |
| GREE  | 8704.8  | C | 0246 | SVB     | ATHENS        | MARCO   | V MARKER                  | AJN-NY |
| GREE  | 8710.0  | C | 0029 | SVS     | ATHENS        | MARCO   | V MARKER                  | RR -MS |

|      |         |   |   |      |       |                |        |                          |         |
|------|---------|---|---|------|-------|----------------|--------|--------------------------|---------|
| GREE | 14566.0 | U | A | 1837 | SVA   | ATHENS         | MARCO  | VOICE MRKR. TENTATIVE ID | AQ -NY  |
| HOLL | 1937.0  | U | A | 1547 | PCH   | SCHVEINGEN     | MARCO  | WEATHER                  | PAC-UK  |
| HOLL | 6504.4  | U | A | 2343 | PCB   | SCHVEINGEN     | MARCO  | WKG CNCT                 | JCH-MD  |
| HOLL | 13042.0 | U | A | 2054 | PJB   | WILLEMSTAD     | MARCO  | TFC LIST                 | AL -MA  |
| ITLV | 4615.0  | C | C | 0538 | IDR   | ROME           | NAVRAD | V MARKER                 | AL -MA  |
| ITLV | 12578.0 | C | C | 1930 | ICB   | GENOVA         | NAVRAD | V MARKER                 | CEK-WV  |
| ITLV | 16004.0 | C | C | 1416 | IDR   | ROME           | NAVRAD | V MARKER                 | BC -MD  |
| ITLV | 16005.0 | C | C | 1729 | IDR   | ROME           | NAVRAD | V MARKER                 | CEK-WV  |
| ITLV | 19550.0 | C | C | 1221 | IRR   | ROME           | PTT    | II TFC                   | IK -UK  |
| ITLV | 22524.0 | C | L | 1403 | IRM   | ROME           | CIRM   | AMVERS                   | SN -TX  |
| MALT | 4223.5  | C | C | 2151 | 9HD   | VALETTA        | MARCO  | DE MARKER                | PAC-UK  |
| NOR  | 12808.0 | C | C | 1937 | LBU   | ROBALAND       | MARCO  | CQ MARKER                | CEK-WV  |
| NOR  | 12918.5 | C | C | 2311 | LFT   | ROBALAND       | MARCO  | V MARKER                 | RR -NY  |
| NOR  | 14445.0 | C | C | 1718 | LHG   | ROBALAND       | MARCO  | V MARKER. TENTATIVE ID   | AQ -MS  |
| NOR  | 17074.0 | C | C | 1731 | LHW   | ROBALAND       | MARCO  | CQ MARKER                | AL -MA  |
| PORT | 3782.0  | C | C | 0633 | CTP   | OETRAS         | MARCO  | DE MARKER                | SN -TX  |
| PORT | 13107.0 | U | U | 1921 | CUL   | LISBON         | MARCO  | WKG DENX                 | GS -WA  |
| ROMA | 8459.0  | C | C | 1804 | YBI   | CONSTANTA      | MARCO  | CQ MARKER                | PAC-UK  |
| SPAN | 8682.0  | C | C | 0205 | EAD   | ARANJUEZ       | MARCO  | CQ MARKER                | RJC-MA  |
| SPAN | 8728.2  | U | U | 0300 | EHY   | POZUELU DEL RE | MARCO  | TFC LIST                 | RR -MS  |
| SPAN | 12008.0 | A | A | 1020 | EBC   | CADIZ          | NAVRAD | JIME SIGNALS OFF AT 1025 | ES -MA  |
| SPAN | 12008.0 | A | A | 1009 | EBC   | CADIZ          | NAVRAD | TIME SIGNALS. TUNED ECSS | PMD-NY  |
| SPAN | 12041.0 | C | C | 1710 | EBA   | MADRID         | NAVRAD | CQ MARKER                | RM -IL  |
| SPAN | 17018.0 | C | C | 1442 | EBA   | MADRID         | NAVRAD | CQ MARKER                | AL -MA  |
| SWED | 17080.3 | C | C | 1644 | SAG   | GATEBORG       | MARCO  | FREQ LIST                | AJN-NY  |
| SWIS | 6643.0  | U | U | 0420 | BERNE | BERNE          | AERO   | WKG MA 814               | JCH-MD  |
| SWIS | 6643.0  | U | U | 0050 | BERNE | BERNE          | AERO   | WKG SWISS AIR 143        | JCH-MD  |
| SWIS | 13080.0 | C | C | 1811 | HEC   | BERNE          | MARCO  | 'HEC DRV' MARKER         | RM -IL  |
| SWIS | 13204.0 | C | C | 1458 | HEB   | BERNE          | MARCO  | CQ MARKER                | CEK-WV  |
| SWIS | 17204.5 | C | C | 1714 | HEC   | BERNE          | MARCO  | DE MARKER                | FWB-NJ  |
| USSR | 6910.0  | L | L | 1531 | RVO   | MOBCOW         | FEEDER |                          | IK -UK  |
| USSR | 8570.0  | C | C | 0613 | URD   | LENINGRAD      | MARCO  | CQ MARKER                | RR -MS  |
| USSR | 9320.0  | X | X | 0850 | RXD   | 0              | METEO  | 90LPM CHARTS OF USSR     | RR -MS  |
| USSR | 9905.0  | U | U | 0825 | RVL   | 24             | FEEDER | RR PGMS                  | RR -MS  |
| USSR | 10090.0 | U | U | 0635 | URD   | LENINGRAD      | VOLMET | VOLMET WEATHER           | JMN-CA  |
| USSR | 12693.0 | C | C | 1651 | URD   | LENINGRAD      | MARCO  | DE MARKER                | GS -WA  |
| USSR | 13047.0 | C | C | 0600 | UKA   | VLADISVOSTOK   | MARCO  | TFC TO 4LP               | JEB-CA  |
| USSR | 14996.0 | C | C | 1240 | RWM   | MOSCOW         | SFTS   | TIME SIGNALS             | RR -MS  |
| USSR | 14999.0 | C | C | 1540 | RWM   | MOSCOW         | SFTS   | TIME SIGNALS             | KJL -AK |
| USSR | 15004.0 | C | C | 0118 | IRD   | IRKUTSK        | SFTS   | ID MARKER INTO PIPS 0120 | JEB-CA  |
| USSR | 17020.0 | C | C | 1833 | UDK   | MURMANSK       | MARCO  | RAPID CQ MARKER          | PAT-CA  |
| USSR | 17060.0 | C | C | 0133 | UKK   | NAKHODKA       | MARCO  | TFC LIST                 | RM -IL  |
| USSR | 17090.0 | C | C | 0121 | UKX   | NAKHODKA       | MARCO  | RR NEWS, STRONG SIGNAL   | RM -IL  |
| USSR | 17092.0 | C | C | 1822 | USN   | NOVORIBSKYK    | MARCO  | ID                       | PAT-CA  |
| USSR | 17139.5 | C | C | 1717 | UNV   | MURMANSK       | MARCO  | DE MARKER                | FWB-NJ  |
| YUGO | 12780.0 | C | C | 1917 | YUR   | RIJEKA         | MARCO  | V MARKER                 | CEK-WV  |

\*\*\* AFRICA/MIDDLE EAST \*\*\*

| CNTRY | FREQ    | M | TIME | CALL    | CITY           | IDENT  | TRAFFIC                | CONTRB  |
|-------|---------|---|------|---------|----------------|--------|------------------------|---------|
| ANGD  | 8565.0  | C | 0150 | DSE 41  | LUANDA         | MARCO  | CQ MARKER              | RJC-MA  |
| ANGD  | 12780.0 | C | 0010 | DSE     | LUANDA         | MARCO  |                        | RR -MS  |
| BENN  | 17412.0 | C | 1805 | TYK 73  | COTONOU        | MARCO  | TFC                    | PAT-CA  |
| CAPE  | 8449.0  | U | 0435 | D4A     | SAD VICENTE    | MARCO  | CQ MARKER              | AL -MA  |
| CONG  | 10057.0 | C | 2123 |         | BRAZAVILLE     | AERO   | FF WEATHER             | AQ -NY  |
| DJIB  | 8992.0  | C | 0035 | FUV     | DJIBOUTI       | NAVRAD | V MARKER               | AL -MA  |
| DJIB  | 13042.6 | C | 2359 | FUV     | DJIBOUTI       | NAVRAD | V MARKER               | RR -MS  |
| EGPT  | 5658.0  | C | 2348 | SUC 66  | CAIRO          | AERO   | WKG KHARTOUM AERO      | JG -MS  |
| EGPT  | 8578.1  | C | 0615 | SUH     | ALEXANDRIA     | MARCO  | CQ MARKER              | RR -MS  |
| IRAQ  | 18906.0 | C | 1726 | YIR     | BASRAH CONTROL | MARCO  | V MARKER               | FWB-NJ  |
| ISRL  | 8518.0  | C | 0220 | 4XZ     | HAIFA          | NAVRAD | V MARKER               | GLT-NM  |
| ISRL  | 13051.6 | C | 0130 | 4XD     | HAIFA          | MARCO  | CQ MARKER              | GLT-NM  |
| ISRL  | 17050.6 | C | 1758 | 4XZ     | HAIFA          | NAVRAD | V MARKER               | RMA-IA  |
| ISRL  | 17146.0 | C | 1714 | 4XD     | HAIFA          | MARCO  | CQ MARKER              | CEK-WV  |
| LIBE  | 11478.8 | C | 0132 | KKN 44  | MONROVIA       | EMBASY |                        | AJN-NY  |
| LIBE  | 17404.0 | C | 1142 | KKN 44  | MONROVIA       | EMBASY | GRA MARKER             | BC -MD  |
| MADE  | 8461.0  | C | 2130 | CUB     | FUNCHAL        | MARCO  | CQ MARKER              | PAC-UK  |
| MURI  | 10917.0 | C | 1842 | STN 244 | NOUAKSHOTT     | PTT    | TELCON TFC TO PARIS    | AQ -NY  |
| MURI  | 18981.0 | L | 1728 | STN 30  | NOUAKSHOTT     | PTT    | WLCOMS IN EE & AA      | RM -IL  |
| NIGR  | 8904.0  | U | 2113 |         | NIAMEY         | AERO   | WKG AEROFLOT 421       | JCH-MD  |
| NIGR  | 8963.0  | U | 0045 | SNK     | KANO           | AERO   | WKG VARDUS AIRCRAFT    | SMM-NI  |
| NIGR  | 8963.0  | U | 2023 | SNL     | LAGOS          | AERO   | WKG NIGERIA 350        | JCH-MD  |
| REUN  | 8475.5  | C | 0205 | FUX     | LAGOS          | AERO   | WKG SKYPARK KANO       | JCH-MD  |
| REUN  | 8475.5  | C | 0022 | FUX     | SAINT DENIS    | NAVRAD | V MARKER               | GLT-NM  |
| SAUD  | 8927.0  | C | 2047 | HJZ     | SAINT DENIS    | NAVRAD | V MARKER               | RR -MS  |
| SAUD  | 12658.2 | U | 1730 | HZG     | JEDDAH         | AERO   | WKG SAUDI 6126         | JCH-MD  |
| SENE  | 8994.0  | C | 0420 | 6WW     | DAMMAN         | MARCO  | DE MARKER              | PAC-UK  |
| SENE  | 16951.0 | C | 2046 | 6WW     | DAKAR          | NAVRAD | V MARKER               | DRU -HI |
| SENE  | 16952.0 | C | 2106 | 6WW     | DAKAR          | NAVRAD | V MARKER               | AL -MA  |
| SOAF  | 0.0     | A | 0255 | ZRD     | DAKAR          | NAVRAD | V MARKER               | BC -MD  |
| SOAF  | 5000.0  | A |      | ZRH     | CAPETOWN       | NAVRAD |                        |         |
| SOAF  | 6336.0  | C | 1630 | ZRH     | PRETORIA       | SFTS   | TIME SIGNALS, ID IN CW | RSR-ON  |
| SOAF  | 6338.0  | C | 1626 | ZRH 3   | CAPETOWN       | NAVRAD | DE MARKER              | JEB-CA  |
| SOAF  | 8471.8  | C | 1525 | ZRQ 4   | CAPETOWN       | NAVRAD | V MARKER               | JEB-CA  |
| SOAF  | 8861.0  | U | 0420 | ZUJ     | STONMSTOWN     | NAVRAD | V MARKER               | GLT-NM  |
| SOAF  | 8933.0  | U | 2333 | ZUJ     | JOHANNESBURG   | AERO   | WKG SPRINGBOK 253      | JCH-MD  |
| SOAF  | 17131.5 | U | 1720 | TSJ 6   | JOHANNESBURG   | AERO   | WKG SPRINGBOK 255      | JCH-MD  |
| SOAF  | 17207.5 | C | 1711 | ZSD     | CAPETOWN       | NAVRAD | CQ MARKER              | FWB-NJ  |
| SPKA  | 8690.0  | C | 1152 | FJY 4   | DURBAN         | MARCO  | DE MARKER              | FWB-NJ  |
| SPKA  | 8690.0  | C | 1308 | FJY 4   | MART. DE VIVIE | MARCO  | CQ MARKER              | MH -CA  |
| STHL  | 11092.0 | C | 1929 | ZHU 50  | MART. DE VIVIE | MARCO  | CLG VIP                | RR -MS  |
| TURK  | 6382.1  | C | 0032 | TBA 6   | JAMESTOWN      | MARCO  | TFC                    | AQ -NY  |
| TURK  | 12735.6 | C | 1720 | TAH     | ANKARA         | NAVRAD | V MARKER               | RR -MS  |
|       |         |   |      |         | ISTANBUL       | MARCO  | CQ MARKER              | PAC-UK  |

\*\*\* ASIA/FAR EAST \*\*\*

| CNTRY | FREQ    | M | TIME | CALL   | CITY           | IDENT  | TRAFFIC                 | CONTRB |
|-------|---------|---|------|--------|----------------|--------|-------------------------|--------|
| BANG  | 12775.0 | C | 2143 | SSE    | KHULNA         | MARCO  | CQ MARKER               | PAT-CA |
| DIEG  | 11176.0 | U | 2057 | NKW    | DIEGO GARCIA   | USN    | WKG CHARLIE FOX 600     | JCH-MD |
| HONG  | 17096.0 | C | 0115 | VPS 80 | VICTORIA ISLE  | MARCO  | DE MARKER               | RM -IL |
| INDO  | 11396.0 | U | 0835 |        | UJUNG PANDANG  | MARCO  | WKG QANTAS 7            | BPS-CA |
| JPAN  | 4332.5  | C | 1605 | JCK    | KOBE           | MARCO  | CQ MARKER               | DRU-HI |
| JPAN  | 6485.0  | C | 0903 | JCU    | CHOSI          | MARCO  | CQ MARKER               | DRU-HI |
| JPAN  | 8477.0  | C | 0830 | JOS    | NAGASAKI       | MARCO  | CQ MARKER               | DRU-HI |
| JPAN  | 8479.0  | C | 0752 | JCU    | CHOSI          | MARCO  | CQ MARKER               | DRU-HI |
| JPAN  | 8479.0  | C | 1530 | JCU    | CHOSI          | MARCO  | CQ MARKER               | GLT-NM |
| JPAN  | 8492.1  | C | 1210 | JNA    | TOKYO          | MARCO  | NAVAREA BCST            | MC -AZ |
| JPAN  | 8523.4  | C | 0805 | JOR    | NAGASAKI       | MARCO  | CQ MARKER               | DRU-HI |
| JPAN  | 8753.0  | U | 1028 | JBO    | TOKYO          | MARCO  | EE/JJ VOICE MARKER      | DRU-HI |
| JPAN  | 11236.0 | U | 0852 |        | YOKOTA         | AERO   | WKG MAC 59402           | BPS-CA |
| JPAN  | 12826.5 | C | 1920 | JCS    | CHOSI          | MARCO  | CQ MARKER               | RM -IL |
| JPAN  | 13008.0 | U | 2315 | JOR    | NAGASAKI       | MARCO  | CQ MARKER               | RR -MS |
| JPAN  | 13063.0 | C | 0244 | JJB    | NAGASAKI       | MARCO  | CQ MARKER               | DRU-HI |
| JPAN  | 13069.5 | C | 2308 | JDS    | NAGASAKI       | MARCO  | CQ MARKER               | DRU-HI |
| JPAN  | 13119.5 | U | 0229 | JBO    | TOKYO          | MARCO  | VOICE MARKER, TFC LIST  | DRU-HI |
| JPAN  | 17081.6 | C | 0140 | JFA    | CHOU FISHERIES | MARCO  | CQ MARKER               | DRU-HI |
| JPAN  | 17081.6 | C | 0126 | JFA    | CHOU FISHERIES | MARCO  | CQ MARKER               | RM -IL |
| JPAN  | 17093.6 | C | 0205 | JOR    | NAGASAKI       | MARCO  | CQ MARKER               | DRU-HI |
| JPAN  | 17093.6 | C | 0242 | JOR    | NAGASAKI       | MARCO  | CQ MARKER               | BPS-CA |
| JPAN  | 22419.0 | C | 2320 | JCS    | CHOSI          | MARCO  | CQ MARKER               | DRU-HI |
| MAY   | 6482.3  | C | 1240 | 9MH    | PENANG         | NAVRAV | V MARKER                | MC -AZ |
| NOKI  | 13580.6 | C | 2325 | HM     | FKONGYANG      | F      | WSK V MARKER, CQ MARKER | RM -IL |
| PHIL  | 8973.0  | U | 1000 | AIC    | CLARK          | USAF   | WKG ROMEO GOLF 713      | DRU-HI |
| PHIL  | 12906.0 | C | 1850 | DJI    | BULACAN        | MARCO  | CQ MARKER               | RM -IL |
| PRC   | 8513.9  | C | 1535 | XSO    | GUANGZHOU      | MARCO  | CQ MARKER               | GLT-NM |
| PRC   | 12868.8 | C | 1315 | XSC    |                | MARCO  | CQ MARKER, QSX 11 MHZ   | PAC-UK |
| ROK   | 6451.0  | C | 0859 | HLG    | GANGREUNG      | MARCO  | CQ MARKER               | BPS-CA |
| SING  | 4322.0  | C | 1142 | 9VG    | SINGAPORE      | MARCO  | V MARKER                | GS -WA |
| SING  | 6412.0  | C | 1318 | 9VG    | SINGAPORE      | MARCO  | NAVAL WARNINGS          | DRU-HI |
| THAI  | 8578.5  | U | 1050 | HSA    | BANGKOK        | MARCO  | WEATHER TFC LIST        | DRU-HI |
| TWN   | 8509.0  | C | 2340 | XSX    | KEELUNG        | MARCO  | CQ MARKER               | DS -CA |
| TWN   | 17011.0 | C | 0234 | XSX    | KEELUNG        | MARCO  | CQ MARKER               | BPS-CA |

\*\*\* PACIFIC \*\*\*

| CNTRY | FREQ    | M    | TIME | CALL    | CITY         | IDENT         | TRAFFIC                | CONTRB                 |
|-------|---------|------|------|---------|--------------|---------------|------------------------|------------------------|
| AUST  | 4407.0  | U    | 1040 | VIS     | SYDNEY       | MARCO         | WKG SEA STAR           | DRU-HI                 |
| AUST  | 4428.7  | U    | 0835 | VIB     | BRISBANE     | MARCO         | TFC LIST               | GS -WA                 |
| AUST  | 4428.7  | U    | 0749 | VIT     | TOWNSVILLE   | MARCO         | ALL SHIPES CALL        | GS -WA                 |
| AUST  | 4428.7  | U    | 1310 | VIT     | PORT KENNEDY | MARCO         | WEATHER                | GS -WA                 |
| AUST  | 4428.7  | U    | 0829 | VIA     | ADELAIDE     | MARCO         | TFC LIST               | PAT-CA                 |
| AUST  | 4500.0  | A    | 1411 | VNG     | LYNDHURST    | SFTS          | FULL ID, TIME SIGNALS  | RR -MS                 |
| AUST  | 7500.0  | A    | 0750 | VNG     | LYNDHURST    | SFTS          | TIME SIGNALS           | RR -MS                 |
| AUST  | 8597.0  | C    | 0002 | VIP     | PERTH        | MARCO         | DE MARKER              | AL -MA                 |
| AUST  | 8867.0  | U    | 0547 | VZSY    | SYDNEY       | AERO          | WKG QANTAS 165         | JCH-MD                 |
| AUST  | 8975.0  | U    | 0635 | AXF     | SYDNEY       | AAF           | WKG STRIKER 779        | JCH-MD                 |
| AUST  | 11387.0 | U    | 2031 | VLX     | SYDNEY       | VOLMET        | VOLMET BCAST           | JCH-MD                 |
| AUST  | 11396.0 | U    | 0836 |         | DARWIN       | AERO          | WKG UJUNG PANDANG AERO | BPS-CA                 |
| AUST  | 11396.0 | U    | 0842 |         | PERTH        | AERO          | WKG SPEEDBIRD 12       | DB -AR                 |
| AUST  | 12000.0 | A    | 0529 | VNG     | LYNDHURST    | MARCO         | V MARKER               | RR -MS                 |
| AUST  | 12994.0 | C    | 2314 | VIP     | PERTH        | MARCO         | CQ MARKER              | FWB-NJ                 |
| AUST  | 13075.0 | C    | 2353 | VIP     | PERTH        | MARCO         | CQ MARKER              | DRU-HI                 |
| AUST  | 17078.0 | C    | 1046 | VIP     | PERTH        | MARCO         | CQ MARKER              | RR -MS                 |
| AUST  | 16918.8 | C    | 0006 | VIX     | CANBERRA     | MARCO         | V MARKER               | RR -MS                 |
| CARD  | 5205.0  | U    | 1213 | KUP     | 68           | KOROR         | WKG KWO 42 TORI        | MC -AZFFPD 8           |
| 625.0 | C       | 0825 | FUM  | PAPEETE | NAVRAV       | V MARKER      |                        | BPS-CA                 |
| FFPD  | 12664.5 | C    | 1905 | FUM     | PAPEETE      | NAVRAV        | V MARKER               | DRU-HI                 |
| FFPD  | 17380.0 | C    | 1940 | FUM     | PAPEETE      | NAVRAV        | V MARKER               | DRU-HI                 |
| FIJI  | 8867.0  | U    | 0548 | 3DN     | NANDI        | AERO          | WKG CLIPPER 816        | JCH-MD                 |
| FIJI  | 8867.0  | U    | 0540 | 3DN     | NANDI        | AERO          | WKG QANTAS 46          | JCH-MD                 |
| GUAM  | 8150.0  | C    | 1305 | NRV     | APRA HARBOR  | USCG          | WEATHER                | DB -OH                 |
| HI    | 2845.0  | U    | 0804 |         | HONOLULU     | AERO          | WEATHER FOR KAHULI     | RT -FL                 |
| HI    | 4852.0  | X    | 0600 | NPM     | PEARL HARBOR | NAVRAV        | 120LPM PACIFIC CHARTS  | RR -MS                 |
| HI    | 5000.0  | A    | 1213 | WWWH    | KAUAI        | SFTS          | TIME SIGNALS           | RC -MD                 |
| HI    | 5574.0  | U    | 0553 | KUA     | HONOLULU     | AERO          | WKG WESTERN 588        | JCH-MD                 |
| HI    | 5696.0  | U    | 2356 | NMO     | HONOLULU     | USCG          | WKG AF RESCUE 824      | JCH-MD                 |
| HI    | 6738.0  | U    | 0529 | AGA     | 2            | HICKAM        | USAF                   | WKG MAC 60159          |
| HI    | 6765.4  | U    | 0555 | NMO     | HONOLULU     | USCG          | WEATHER                | JCH-MD                 |
| HI    | 8828.0  | U    | 1230 | KUA     | 70           | HONOLULU      | VOLMET                 | VOLMET WEATHER         |
| HI    | 8843.0  | U    | 0557 | KUA     | HONOLULU     | AERO          | WKG DELTA 13           | JCH-MD                 |
| HI    | 8964.0  | L    | 0755 | AGA     | 2            | HICKAM        | USAF                   | WKG SAM 24123          |
| HI    | 13201.0 | U    | 2344 | AGA     | 2            | HICKAM        | USAF                   | WKG MAC 60137          |
| KERM  | 9950.0  | U    | 0629 | 2ME     | 3            | RAOUL ISLAND  | WKG WELLINGTON NZEL    | RLR-KS                 |
| MARC  | 3786.1  | U    | 1133 | NRV     | 6            | MARCUS ISLAND | LORAN                  | P/P VIA YOKOTA MONITOR |
| NCAL  | 16958.0 | C    | 2348 | FUJ     | NOUMEA       | NAVRAV        | V MARKER               | DRU-HI                 |
| NCAL  | 22461.0 | C    | 2204 | FUJ     | NOUMEA       | NAVRAV        | V MARKER               | BPS-CA                 |
| NZEL  | 5643.0  | U    | 0548 |         | AUCKLAND     | AERO          | WKG QUANTAS 44         | JCH-MD                 |
| NZEL  | 8598.0  | C    | 0438 | ZLO     | WAIOTRU      | DE NAVRAV     | DE MARKER              | DB -AR                 |
| NZEL  | 8828.0  | U    | 0620 |         | AUCKLAND     | VOLMET        | WEATHER                | RR -MS                 |
| NZEL  | 8867.0  | U    | 0547 |         | AUCKLAND     | AERO          | WKG QANTAS 44          | JCH-MD                 |
| NZEL  | 10585.0 | U    | 0809 | ZLD     | 5            | AUCKLAND      | MARCO                  | TFC TO NIEUE           |
| NZEL  | 12740.0 | C    | 2132 | ZLB     | 5            | AWARUA        | MARCO                  | V MARKER               |
| NZEL  | 12740.5 | C    | 1813 | ZLB     | 5            | AWARUA        | MARCO                  | DE MARKER              |
| NZEL  | 17170.4 | C    | 0230 | ZLB     | 6            | AWARUA        | MARCO                  | TFC LIST               |
| NZEL  | 17170.4 | C    | 0150 | ZLB     | 6            | AWARUA        | MARCO                  | DE MARKER              |
| NZEL  | 19488.0 | C    | 2020 | ZLX     | 31           | HIMATANGI     | NAVRAV                 | PLAINTEXT WEATHER BCST |
| NZEL  | 22533.5 | C    | 2045 | ZLB     | 7            | AWARUA        | MARCO                  | QSX MARKER             |

\*\*\* RTTY \*\*\*

| FREQ    | TINE | WPM-SHFT | CALL    | CITY          | IDENT  | CNTY                  | TRAFFIC                | CONTRB  |
|---------|------|----------|---------|---------------|--------|-----------------------|------------------------|---------|
| 2379.6  | 2112 | 50-300   | UBDADA  |               | ENGMIL | ENG                   | QBF                    | IK -UK  |
| 2498.1  |      |          | ARB     | LAND'S END    | MARCO  | ENG                   | WKG GBOGT              | RMA-FR  |
| 2602.2  | 2331 | 50-300N  | UBDDAD  |               | ENGMIL | ENG                   | QBF TEST               | IK -UK  |
| 2705.0  | 2132 | 50-425R  | UBDBFC  |               | ENGMIL | ENG                   | CLG UBDD               | IK -UK  |
| 2804.0  | 2142 | 50-300N  | UBDBFB  |               | ENGMIL | ENG                   | CLG UBDD               | IK -UK  |
| 3177.3  | 0033 | 50N      | AWC     | CALCUTTA      | AERO   | INDI                  | FLIGHT MSGS            | AM -UK  |
| 3235.0  | 0700 | 75-850R  | WBR 70  | MIAMI         | METEO  | USA                   |                        | IK -UK  |
| 3354.4  | 1800 | ARB      | FTD     | MARSEILLE     | GEND   | FRAN                  |                        | RMA-FR  |
| 3397.4  | 2316 | 50-550N  | DHJ 48  | GRENGEL       | METEO  | FRG                   |                        | IK -UK  |
| 3532.0  | 1910 | 50R      | WBA     | LONDON        | RAF    | ENG                   | FOXES                  | RMA-FR  |
| 3532.0  | 2329 | 50-300R  | UBDA    |               | ENGMIL | ENG                   | QBF TEST               | IK -UK  |
| 3534.6  | 1830 | 50-425N  | EHP     | BARCELONA     | GAURD  | SPAN                  | WKG MADRID. TENTATIVE  | RMA-FR  |
| 3560.0  |      | 1840     | YKW 1   | DAMASCUS      | SANA   | SYR                   |                        | RMA-FR  |
| 3655.0  | 1826 | 50-1000R | RZV 73  | ARKHANGELSK   | METEO  | USSR                  |                        | IK -UK  |
| 3680.0  | 0020 | 50N      | ARB     | LAHORE        | AERO   | PAKI                  | MSGS TO KARACHI        | AM -UK  |
| 4244.9  | 0122 | 75-170R  | NMA     | MIAMI         | USCG   | USA                   | WKG NODS USCGC SALVIA  | RM -IL  |
| 4244.9  | 0522 | 75-170R  | NMA     | MIAMI         | USCG   | USA                   | VESSELS WITH MJ/COKE   | RM -IL  |
| 4352.0  | 0429 |          | WMLC    | MOBILE        | MARCO  | USA                   | WKG DWIP SINE MAERSK   | JCH-MD  |
| 4580.5  | 0246 | 75-250R  | C5KMC   |               | UNID   | REPEAT OF 4630.5 XMSN |                        | RM -IL  |
| 4630.5  | 0222 | 75-250R  | C5KMC   |               | UNID   | SUB SONAR SPECS IN SS |                        | RM -IL  |
| 4689.0  | 0148 | 50-425N  | CRK     | CAIRO         | AERO   | EGPT                  | EE WEATHER             | AJN-NY  |
| 4785.5  | 0615 | 40-425N  | DHJ 85  | GRENGEL       | METEO  | FRG                   | CODED WEATHER          | RM -IL  |
| 4863.5  | 0628 | 75-850R  | KRH 51  | LONDON        | EMBASY | ENG                   | FOXES                  | RM -IL  |
| 4867.7  | 1900 | 75N      | KRH 51  | LONDON        | EMBASY | ENG                   | USA ENB. SPUR?         | RMA-FR  |
| 4997.0  | 0643 | 50-425N  | LPAZ    | LISBON        | AERO   | PORT                  | RYG UNDER WWV & WWVH   | RM -IL  |
| 5140.0  | 0010 | 50-1000R | RWW 73  | MOSCOW        | METEO  | USSR                  | RYG                    | BLA-PA  |
| 5240.0  | 0001 | 50-425R  | 40C 2   | BELGRADE      | TANJUG | YUGO                  | RYG INTO EE NEWS       | BLA-PA  |
| 5393.5  | 0029 | 50-425N  | ELRB    | MONROVIA      | AERO   | LIBE                  | WEATHER                | BLA-PA  |
| 5393.5  | 0320 | 50-525N  | ELRB    | MONROVIA      | AERO   | LIBE                  | RYG                    | RM -IL  |
| 5460.0  | 0016 | 75-425N  | WWV 45  | TANGIER       | USIA   | MROC                  | EE NEWS                | BLA-PA  |
| 5460.0  | 0324 | 75-425N  | WWV 45  | TANGIER       | USIA   | MROC                  | ARABIC NEWS            | RM -IL  |
| 5612.0  | 0100 | 50-950R  | SUC     | CAIRO         | METEO  | EGPT                  | RYG                    | BLA-PA  |
| 5830.2  | 1745 | 50R      | RWD 52  | MOSCOW        | TASS   | USSR                  | EE NEWS                | RMA-FR  |
| 5839.7  | 2354 | 50-425N  | FTF 84  | PARIS         | AFP    | FRAN                  | ARABIC NEWS            | BLA-PA  |
| 5859.2  | 1745 | 50N      |         |               | ADN    | GDR                   | EE NEWS                | RMA-FR  |
| 5875.0  | 2346 | 75-850R  | RIFMCF  | ROME          | NAVRAD | ITLY                  | RYG                    | BLA-PA  |
| 6505.5  |      |          | DCP     | NORRDEICH     | MARCO  | FRG                   | WKG DLHH               | RMA-FR  |
| 6778.8  | 1750 | 50-170N  | DGD     |               | FRG    | TENTATIVE             |                        | RMA-FR  |
| 6922.3  | 1930 | ARB      | LXF     | LUXEMBOURG    | INTRPL | LUX                   | WKG WIESBAD. TENTATIVE | RMA-FR  |
| 6920.0  | 0647 | 50-425N  | DLW 50  | BRAGUE        | PTT    | CZEC                  | RYG                    | RM -IL  |
| 6984.9  | 0144 | 50-425   | GYU     | GIBRALTER     | NAVRAD | GIBR                  | FOXES                  | AJN-NY  |
| 6997.5  | 0415 | 45-850N  | WAR     | WASHINGTON D  | ARMYHQ | USA                   | MSGS TO ALL MARS STNS  | JEB-CA  |
| 7376.0  | 1304 | 50-850R  | JMI     | TOYO          | METEO  | JPAN                  | 50 WEATHER             | MC -AZ  |
| 7395.0  | 0325 | 50-850N  | RPFN    | MONSANTO      | NAVRAD | PORT                  | MSG TO RPTI            | RM -IL  |
| 7422.5  | 0019 | 50-850R  | GYU     | GIBRALTER     | NAVRAD | GIBR                  | FOXES & RYS            | RM -IL  |
| 7423.0  | 0031 | 50-850N  | 5YD 9   | NAIROBI       | AERO   | KEN                   | RYG                    | BLA-PA  |
| 7444.0  |      | 754-425  | AFR 507 | MONROVIA      | VGA    | LIBE                  | EE NEWS                | BC -MD  |
| 7490.0  | 0210 | 50-170   | MKD     | AKROTIRI      | RAF    | CYPR                  | FOXES                  | BC -MD  |
| 7530.0  | 0136 | 75-850R  | NMN     | PORTSMOUTH    | USCG   | USA                   | MSG TO ZRH             | RM -IL  |
| 7532.2  |      | ARB      | EEB     | MADRID        | POLICE | SPAN                  | CLS FSB PARIS          | RMA-FR  |
| 7585.0  | 0827 | 50-425R  | 6VY 41  | DAKAR         | AERO   | SENE                  | FRENCH AND CODED WX    | RMA-FR  |
| 7585.3  |      | 50-425   | DAA     |               | FRG    | METEO                 | WEATHER                | AJN-NY  |
| 7606.2  | 1830 | 50-700N  | KT      |               | KUNA   | KUWT                  | NEW FREQ?              | RMA-FR  |
| 7665.0  | 0335 | ARB      | FIT 75  | PARIS         | PREFEC | FRAN                  | FRENCH POLICE TFC      | RM -IL  |
| 7784.2  | 1015 | 50R      | Y2H 7   | Berlib        | DP     | GDR                   | RYG                    | RMA-FR  |
| 7795.5  | 0115 | 50-300R  | 9HA     | LUGA          | AERO   | MALT                  | DE MARKER. YES, 300    | RMA-IA  |
| 7887.0  | 0125 | 74-425R  | 40U     | GENEVA        | UN     | SWIS                  | RY INTO TFC            | RMA-FR  |
| 7919.4  | 1800 | 50R      | 4XG 97  | TEL AVIV      | PTT    | ISRL                  | TO MOSCOW              | RMA-FR  |
| 7956.4  | 0015 | 50N      | HSJ 31  | BANGKOK       | PTT    | THAI                  | TEST TO HANDI          | AM -UK  |
| 7972.0  | 2030 | 50-425N  | XVH     | HO CHI MINH   | METEO  | VICT                  | WEATHER                | RMA-FR  |
| 8062.0  | 0950 | 50N      | IRF 80  | ROME          | ANSA   | ITLY                  | FF NEWS                | RMA-FR  |
| 8102.0  | 2136 |          | STK     | KHARTOUM      | AERO   | SUDN                  | RYG TEST TAPE          | AL -MA  |
| 8322.0  | 0042 | 75-850R  | GYA     | LONDON        | NAVRAD | ENG                   | FOXES                  | BLA-PA  |
| 8324.0  | 0342 | 75-850R  | MTT     |               | ENGMIL | ENG                   | RYG/FOXES TO GYU       | JEB-CA  |
| 8328.5  | 2340 | ARB      | SPC 4   | GYDNIA        | MARCO  | POL                   | WKG PROFESSOR ZAFER    | JCH-MD  |
| 8705.5  | 2312 | ARB      | GKE 4   | PORTISHEAD    | MARCO  | ENG                   | WKG BRITISH RESCUE     | JCH-MD  |
| 8711.0  | 1932 | ARB      | GKP 4   | PORTISHEAD    | MARCO  | ENG                   | WKG BVGN RUBENS        | JCH-MD  |
| 8714.0  | 1918 | ARB      | HEC 18  | BERNE         | MARCO  | SWIS                  | WKG C6CN OSCO CASTOR   | JCH-MD  |
| 8716.4  | 0128 | ARB      | WCC     | CHATAM        | MARCO  | USA                   | UP NEWS FOR SHIPS      | TJS -WI |
| 8850.0  | 0420 | 50-425N  | CA7E    | HANGA ROA     | AERO   | TAST                  | RYG                    | RMA-IA  |
| 9070.0  | 0110 | 50-425R  | 6VU     | DAKAR         | ASECNA | SENE                  | DE MARKER              | JEB-CA  |
| 9127.0  | 0410 | 75-170R  | NMC     | SAN FRANCISCO | USCG   | USA                   | WKG NAAO               | MC -AZ  |
| 9140.2  | 1233 | 50-425R  | GPX 5   | HO CHI MINH   | VNA    | VIET                  | RYG                    | RMA-IA  |
| 9154.0  | 0115 | 50-850N  | D4B     | PEDRA LUME    | AERO   | CAPE                  | RYG                    | RMA-IA  |
| 9156.0  | 1640 | 75R      | RB5M    | KARACHI       | NAVRAD | PAKI                  | FOXES                  | AM -UK  |
| 9430.0  | 1500 | 50-475N  | ZAT     | TIRANA        | ATA    | ALB                   | ENGLISH NEWS           | RM -IL  |
| 9820.3  | 1210 | 50-425R  | HMB 20  | PORTSBYANG    | PTT    | KAMP                  | RYG                    | MC -AZ  |
| 9900.0  | 0752 | 50-850R  | RLFA    | FT DE FRANCE  | NAVRAD | MART                  | LE BRICK/RY TO RFLIG   | RM -IL  |
| 9994.2  | 2340 | 50-850N  | LPAZ    | LISBON        | AERO   | FRAN                  | RYG                    | RMA-IA  |
| 10104.8 | 1450 | 50R      | FDY     | ORLEANS       | FAF    | FRAN                  | RYG                    | RMA-FR  |
| 10118.5 | 2200 | 100-425R | DEM 60  | VIENNA        | METEO  | ASTA                  | CORK & SHANNON EIRE WX | RM -IL  |
| 10165.0 | 1400 |          | RPT 31  | TASHKENT      | TASS   | USSR                  | RYG FOR TEST TUNING    | RM -IL  |
| 10250.0 | 1446 | 75-850   | FTUS 4  | PARIS         | METEO  | FRAN                  | WEATHER                | BC -MD  |
| 10278.8 | 1740 | 50-425R  | YZA 9   | BELGRADE      | TANJUG | YUGO                  | FF NEWS                | RM -IL  |
| 10469.9 |      | 50-425   | FDY     | ORLEANS       | FAF    | FRAN                  | LE BRICKS              | AJN-NY  |
| 10477.7 | 1151 | 50-850R  | BXX 22  | SHANGHAI      | PTT    | PRC                   | RYG                    | MC -AZ  |
| 10524.0 | 1305 | 50-425R  | HMM 41  | PORTSBYANG    | KCNA   | NOKO                  | FF NEWS                | RM -IL  |
| 10555.0 | 1520 | 50R      | RXA 7   | MADRID        | AMBALG | SPAN                  | TO MFA TUNIS           | RMA-FR  |
| 10670.0 | 1234 | 50-425N  | RSN 4   | ALBA ATA      | METEO  | USSR                  | WX IN BARSHATAS        | AM -UK  |
| 10654.3 | 1558 | 50N      | HSD 87  | BANGKOK       | AERO   | THAI                  | MSG TO DHAKA           | RM -IL  |
| 10675.0 | 1802 | 50-425R  | REM 51  | NIKOLAYEV     | TASS   | USSR                  | FF NEWS                | RM -IL  |

|         |      |          |          |               |        |      |                        |        |
|---------|------|----------|----------|---------------|--------|------|------------------------|--------|
| 10720.0 | 0356 | 50-850R  | LRB 72   | BUENOS AIRES  | METEO  | ARGN | SUNNY & 45 IN LA PAZ   | RM -IL |
| 10720.1 | 2345 | 50-425   | LRB 72   | BUENOS AIRES  | METEO  | ARGN | SS ID RYS              | AJN-NY |
| 10805.4 | 0050 | 50-425N  |          | BUENOS AIRES  | NETA   | ARGN | SS NEWS                | MC-AZ  |
| 10880.0 | 2305 | 75-425R  | 5LF 10   | MONROVIA      | USIA   | LIBE | RYS/ORA VOA WASH DC    | RMA-IA |
| 11030.0 | 0715 | 50-850R  | AXM 34   | CAMBERRA      | AMC    | AUST | FAINT BUT READABLE WX  | RM -IL |
| 11035.5 | 1745 | ARQ      | SVS      | ATHENS        | MARCO  | GREE | WKG AEGIS THUNDER      | RMA-FR |
| 11438.6 | 1440 | SOR      | SNK      | KANO          | MARCO  | ARGN | NIGR RYS               | RMA-FR |
| 11476.0 | 0350 | 50-525N  | HMF 52   | PYONGYANG     | KCNA   | NOKO | RYS                    | JEB-CA |
| 11486.0 | 2310 | 50-425N  | TUH      | ABIDJAN       | ASECNA | IVRY | DE MARKER              | RMA-IA |
| 11522.5 | 1940 | 75-850R  | NRK      | KEFLAVIK      | USN    | ICE  | FOXES                  | JEB-CA |
| 11600.0 | 0150 | 75-850R  | NRK      | KEFLAVIK      | USN    | ICE  | FOXES                  | JEB-CA |
| 11633.5 | 1635 | 100R     | KRH 51   | LONDON        | EMBASY | ENG  | FOXES                  | DRH-PA |
| 11637.5 | 1652 | 100N     | KRH 51   | LONDON        | EMBASY | ENG  | FOXES                  | DRH-PA |
| 11638.0 | 1800 | SOR      | DDK      | HAMBURG       | METEO  | FRG  | CQ MARKER              | RMA-FR |
| 12220.5 | 1635 | FEC      | RPFWR    | MONSANTO      | PAF    | PORT | MSG5 TO LAJES          | AM-UK  |
| 12251.0 | 1944 | 50-425R  | Y2V 32   | BERLIN        | ADN    | GDR  | FF NEWS                | RM -IL |
| 12322.0 | 1845 | 75-425R  | 5KM      | BOGOTA        | NAVRAD | COLO | RYS/SGS                | RM -IL |
| 12980.0 | 0126 | 50-170N  | URD      | LENINGRAD     | MARCO  | USSR | NEWS BCST              | JEB-CA |
| 13085.5 | 2040 |          | WLD      | MOBILE        | MARCO  | USA  | WKG 3E1C 2             | JCH-MD |
| 13086.0 | 0335 | 50-170N  | UKA      | VLADIVOSTOK   | MARCO  | USSR | TASS NEWS ABT ANGOLA   | JEB-CA |
| 13093.5 | 2000 |          | OXI      | LYNBBY        | MARCO  | DEN  | WKG LOTTE SCHEEL       | JCH-MD |
| 13365.0 | 2058 |          | 5YD      | NAIROBI       | AERO   | KEN  | RYS                    | AL-MA  |
| 13366.1 | 2355 | 50-170N  | 5YD      | NAIROBI       | AERO   | KEN  | RYS                    | MC-AZ  |
| 13400.0 | 1330 | 50-425R  | LZG 3    | SOFIA         | BTA    | GUL  | EE NEWS                | RM -IL |
| 13410.0 | 1250 | 50-425R  |          | MOSCOW        | APN    | USSR | RR CYRILLIC NEWS       | RM -IL |
| 13440.0 | 1542 | 50-425R  | YZG 5    | BELGRADE      | TANJUG | YUGO | EE NEWS                | RM -IL |
| 13445.5 | 1151 | 50-425R  | MKG 6    | LONDON        | RAF    | ENG  | TFC TO HSS             | RM -IL |
| 13502.2 | 1220 | 75-170N  | YLN 1    | MARACAIBO     | NAVRAD | VENE | TFC TO SKM             | RM -IL |
| 13515.9 | 2228 |          | YWM 405  | HAVANA        | INA    | CUBA | RYS                    | TS-WI  |
| 13524.0 | 1210 | 50-425R  | YIO 71   | BAHDAD        | INA    | IRAQ | ANTI-KHOMEINI EE NEWS  | RM -IL |
| 13527.9 | 1445 | 50-425R  |          | BAHDAD        | INA    | IRAQ | EE NEWS                | RM -IL |
| 13536.0 | 0755 | 50N      | A9C      | BHUREST       | EMBASY | ROMA | FRAN EMB. TO PARIS     | AM-UK  |
| 13580.0 | 0356 | 50-425N  | HMF 36   | PYONGYANG     | KCNA   | NOKO | RYS                    | JEB-CA |
| 13580.0 | 2242 |          | HMK 25   | PYONGYANG     | KCNA   | NOKO | WORLD NEWS             | TS-WI  |
| 13597.5 | 1312 | 50-425N  | OLI 2    | PRAGUE        | CETEKA | CZEC | EE NEWS                | RM -IL |
| 13647.5 | 1508 | 50-425N  | OLI 5    | PRAGUE        | CETEKA | CZEC | FF NEWS                | RM -IL |
| 13729.5 | 1205 | 50N      | HMV 48   | PYONGYANG     | PTT    | NOKO | CLG HANOI              | AM-UK  |
| 13752.2 | 2340 | 50-425N  | HJ3      | JEDDAH        | AERO   | SAUD | FOXES                  | MC-AZ  |
| 13770.6 | 1225 | 75-425   | VOA      | TANGIER       | PTT    | MROC | TECHNICAL DIFFICULTY   | RM -IL |
| 13779.0 | 2225 | 50-425R  | BCA 95   | SHANGHAI      | PTT    | PRC  | RYS/ORA                | AJN-NY |
| 13785.0 | 1455 | 50-425R  | SON 278  | WARSAW        | CTK    | POL  | RYS/ORA                | RM -IL |
| 13857.5 | 1610 | ARQ      | UNID     |               |        |      | SL MSG                 | RM -IL |
| 13942.5 | 1949 | 50-850R  | KRH 51   | LONDON        | EMBASY | ENG  | FOXES                  | RM -IL |
| 13947.0 | 1324 | 50-425N  | ROM 5    | TASHKENT      | METEO  | USSR | CODED WX               | RM -IL |
| 13998.0 | 1953 | 50-425N  | FTN 99   | PARIS         | DIPLO  | FRAN | FF NEWS                | JEB-CA |
| 14433.0 | 1730 | 50-170R  | YFL 70   | BAHDAD        | INA    | IRAQ | ENGLISH NEWS           | RM -IL |
| 14441.6 | 1119 | 50N      | Y11      | TRIPOLI       | EMBASY | LYBA | GDR EMB. RYS           | AM-UK  |
| 14434   | 1130 | SOR      | XVJ 54   | RANGOON       | PTT    | BURM | MSG5 TO CALCUTTA       | AM-UK  |
| 14447.5 | 1650 | 75R      | KNY 23   | WASHINGTON    | EMBASY | USA  | CZEC EMB. TO PRAGUE    | AM-UK  |
| 14453.0 | 1458 | 75N      | 6C 2     | LAGOS         | EMBASY | NIGR | CZEC EMB. 5D TO PRAGUE | AM-UK  |
| 14454.0 | 1115 | 75N      |          | TIKARA        | EMBASY | ALB  | CZEC EMB. TO PRAGUE    | AM-UK  |
| 14483.0 | 1100 | 75R      | 7T 1     | DAMASCUS      | EMBASY | SYRA | CZEC EMB. TO PRAGUE    | AM-UK  |
| 14490.0 | 1223 | 50-425R  | RNK 36   | MOSCOW        | TASS   | USSR | EE NEWS                | RM -IL |
| 14497.7 | 2330 | 50-850N  | LPAZ     | LISBON        | AERO   | PORT | RYS                    | RMA-IA |
| 14605.0 | 1315 | 50-425N  | Y7K 30   | BERLIN        | MFA    | GDR  | RYS                    | RM -IL |
| 14765.0 | 1410 | 50-425R  | ATF 65   | NEW DELHI     | INFOIN | INDI | RYS                    | RM -IL |
| 14840.0 | 0120 | 75-850R  | NM       | NEW HARBOR    | USN    | GUM  | FOXES, TENTATIVE ID    | JEB-CA |
| 14880.0 | 2210 | 50-750R  | SNK      | KANO          | MARCO  | NIGR | RYS/ORA                | RMA-IA |
| 14893.8 | 1428 | 100-425R | DEM 64   | VIENNA        | METEO  | ASTA | CODED WX               | RM -IL |
| 15643.0 | 1520 | 50-425N  | 9KT 331  | SAFAT         | KUNA   | KUNT | EE NEWS                | RM -IL |
| 15670.0 | 1637 | 50-425N  | HGM 36   | BUDAPEST      | MTI    | HUNG | SS NEWS                | RM -IL |
| 15690.0 | 1339 | 50-425R  | RNP 72   | MOSCOW        | PTT    | USSR | RYS TO RXA 83          | RM -IL |
| 15705.0 | 1256 | 50-425R  | Y7L 6    | BELGRADE      | TANJUG | YUGO | RYS                    | RM -IL |
| 15724.0 | 1745 | 50-425N  | ISX 57   | ROME          | ANSA   | ITLY | EE NEWS                | BC-MD  |
| 15996.0 | 1623 | 50-425N  | DFF99H1  | HAMBURG       | DPA    | FRG  | EE NEWS                | RM -IL |
| 16112.0 | 1345 | 50-425N  |          | ROME          | ITINA  | ITLY | EE NEWS                | RM -IL |
| 16157.0 | 1526 | 50-850N  | CML 47   | HAVANA        | PTT    | CUBA | RCC XMSN TO ITT NY     | BC-MD  |
| 16190.0 | 1407 | 50-425R  | RBW 26   | MOSCOW        | TASS   | USSR | FF NEWS                | RM -IL |
| 16194.5 | 1634 | 75-850R  | NBA      | BALBOA        | NAVRAD | PANA | RYS                    | MC-AZ  |
| 16201.5 | 0945 | SOR      | 8BB 39   | JAKARTA       | METEO  | INDO | WEATHER                | RMA-FR |
| 16265.5 | 1657 | 50-850N  | 9VF 206  | SINGAPORE     | ANSA   | SING | RYS INTO ANSA NEWS     | MC-AZ  |
| 16316.8 | 1340 | ARQ      |          | CAIRO         | MFA    | EPT  |                        | RMA-FR |
| 16348.3 |      | 50-425   | CLN      | HAVANA        | PTT    | CUBA | EE NEWS                | AJN-NY |
| 17117.5 | 1706 | 75-850R  | PBC 317  | GOEREE ISLE   | NAVRAD | HOLL | RYS                    | RM -IL |
| 17118.0 | 1940 | 75-850R  | PBC 317  | GOEREE ISLE   | NAVRAD | HOLL | RYS                    | BLA-PA |
| 17124.0 | 0022 | 50-850R  | AWZ 33   | RIO DE JANIE  | NAVRAD | BRZL | PORTUGUESE NAVAL MSG5  | RM -IL |
| 17159.0 | 1750 | 75-850R  | AIG 9392 | MADRID        | NAVRAD | SPAN | CODED MSG5 TO AIG 9810 | RM -IL |
| 17200.0 | 2256 | ARQ      | WLD      | MOBILE        | MARCO  | USA  | AP NEWS                | MC-AZ  |
| 17203.5 | 0042 | ARQ      | KPH      | SAN FRANCISCO | MARCO  | USA  | ASSOCIATED PRESS NEWS  | RM -IL |
| 17222.0 | 0057 | ARQ      | VPS      | VICTORIA ISL  | MARCO  | AUST | S/OFF WITH UNID SHIP   | RM -IL |
| 17389.0 | 1702 | 50-425R  | 3VA 74   | TUNIS         | TAP    | TUNI | FF NEWS                | RM -IL |
| 17469.6 | 0820 | 50N      | OEC 35   | NEW DELHI     | EMBASY | INDI | ASTA EMB. TO VIENNA    | AM-UK  |
| 17480.0 | 0740 | SOR      | 4QQ 74   | TRICOMALLEE   | DW     | SLAN | GRA MARKER             | AM-UK  |
| 17485.0 | 1857 | 50-850R  | BYU      | GIBRALTER     | NAVRAD | GIBR | FOXES                  | RM -IL |
| 17497.0 | 0055 | 50-425N  | BAD 2    | BEIJING       | PTT    | PRC  | RYS                    | JEB-CA |
| 18036.0 | 1643 | 75-850R  | GYA      | LONDON        | NAVRAD | ENG  | FOXES                  | RM -IL |
| 18040.0 | 1336 | 75-850R  | ZRH 84   | CATETOWN      | SAF    | BARB | ADVERS TO NMN          | RM -IL |
| 18052.0 | 1542 | 50-850N  | LOR      | ORCADAS       | METEO  | SORK | CODED WX               | RM -IL |
| 18093.0 | 1300 | SOR      | LRO 84   | BUENOS AIRES  | METEO  | ARGN |                        | RMA-FR |
| 18212.0 | 1015 | 50R      | 9XK 80   | KIGALI        | DW     | RWAN | SINPO RPTS TO COLOGNE  | AM-UK  |
| 18261.5 | 1442 | 50-425N  | 9KT 346  | SAFAT         | KUNA   | KUNT | EE NEWS                | RM -IL |
| 18264.5 | 1454 | 50-425N  | 9KT 346  | SAFAT         | KUNA   | KUNT | ARABIC NEWS            | RM -IL |
| 18363.7 | 1000 | SOR      | 9PL      | KINSASHA      | AERO   | ZIRE | RYS                    | RMA-FR |
| 18398.5 | 1400 | 50R      | HGX 59   |               | EMBASY | UNID | HUNG EMB. TO HG        | RMA-FR |



|         |      |         |          |              |        |                             |        |
|---------|------|---------|----------|--------------|--------|-----------------------------|--------|
| 18400.0 | 1530 | 50-425R | HGX 21   | BUDAPEST     | MFA    | HUNG RYS TO HGX 64          | RM -IL |
| 18525.6 | 1330 | 50N     | CLN      | HAWANA       | PTT    | CUBA RYS                    | RMA-FR |
| 18650.0 | 1653 | 50-425R | SOT 265  | WARSAW       | PAP    | POL RYS, FF NEWS            | RM -IL |
| 18682.2 |      | 75R     |          | GABORONE     | EMBASY | BOTS SWED EMB. TO STOCKHOLM | RMA-FR |
| 18696.1 | 1625 | 50-425  | CNM 82X9 | RABAT        | MAP    | MROC FF NEWS, TENTATIVE ID  | AJN-NY |
| 18708.4 | 1722 | ARG     |          | PARAMARIBO   | EMBASY | SURI HOLL EMB, MSGS         | RM -IL |
| 18757.0 | 1544 | 50-425R | V2X      | KHARTOUM     | SUNA   | UNID WKG F9S IN FF          | AJN-NY |
| 18787.5 | 1715 | 50-850  |          | NAIROBI      | UNEP   | SUDN EE NEWS                | RMA-FR |
| 19280.0 | 1430 | 75N     |          | ADDIS ABABA  | UNECA  | ETHO FOOD ALLOCATIONS       | RMA-FR |
| 19313.2 | 1415 | 75N     |          | ADDIS ABABA  | EMBASY | ETHO SLTR GROUPS TO BERLIN  | AM -UK |
| 19393.0 | 1045 | 100R    | ETA 37   | NAIROBI      | INTRPL | KEN DE MARKER               | AM -UK |
| 19405.0 | 1055 | ARL     | 5YG      | LAGOS        | EMBASY | NIGR MSGS TO WARSAW         | AM -UK |
| 19672.0 | 1224 | 75N     | SPP 341  | TRIPOLI      | JANA   | LIBE 5S NEWS                | AJN-NY |
| 20560.0 | 1625 | 50-425  |          | TALLINN      | MARCO  | USSR WKG UUGY               | RMA-FR |
| 22211.0 | 1100 | ARG     | UAH      | BUENOS AIRES | NAVRA  | ARGN RYS/SGS, TEST TO EBA   | RM -IL |
| 23391.0 | 1753 | 75-425R | L0L      |              |        |                             |        |

\*\*\* SHIPS \*\*\*

| FREQ    | M | TIME | CALL     | NAME                  | TRAFFIC              | CONTRB |
|---------|---|------|----------|-----------------------|----------------------|--------|
| 454.0   | C | 0328 | JMIT     | SUNRISE SHOUN         | TFC TO WCC           | FWB-NJ |
| 500.0   | C | 0328 | PP 2102  | F/V OLYMPICO          | SOS VIA AUTOALARM    | JFH-MA |
| 1663.5  | R | 1845 | EVMA     | MB 2422               | 5D TFC               | RMA-IA |
| 2182.0  | U | 2348 | IMCZ     |                       | CLG 9YL TRINIDAD     | JFH-MA |
| 2182.0  | U | 0555 | VCBT     | CC6 CAPE ROGER        | WKG SYDNEY CG RADIO  | JFH-MA |
| 2670.0  | U | 0140 | NICC     | USCGC POINT TURNER    | WKG NMF 2            | AL -MA |
| 4063.0  | U | 0612 | LECK     | ROYAL VIKING SEA      | WKG SAN FRANCISCO    | DS -OH |
| 4063.0  | U | 0350 | WHRN     | PRES WASHINGTON       | P/P VIA KMI          | DS -OH |
| 4063.0  | U | 0037 | WS 9509  | DANIEL WEBSTER        | WKG WCM              | FWB-NJ |
| 4066.0  | U | 0429 |          | USS YORKTOWN          | WKG NORFOLK          | JCH-MD |
| 4112.6  | U | 0328 | LITA     | M/V NORWAY            | WKG WOM              | JFH-MA |
| 4112.6  | U | 0353 | LKQH     | M/V SKYWARD           | WKG WOM              | JFH-MA |
| 4125.0  | U | 2348 | WRB 6411 | DIAMOND GIRL          | CLG SEVEN 6'S        | FWB-NJ |
| 4125.0  | U | 2321 | WZK 2178 | CLEARVIEW 4           | CLG KMMF             | FWB-NJ |
| 4134.3  | C | 0424 | NRUN     | USCGC DURABLE         | WKG NNM              | JFH-MA |
| 4187.5  | C | 2314 | YTSK     | M/V HERCEGOVINA       | TFC TO YUR           | FWB-NJ |
| 4191.0  | C | 0219 | 3E6Q 2   | VERDI                 | TFC TO FFL2          | FWB-NJ |
| 4191.0  | C | 0043 | 4XIS     | ZIM CALIFORNIA        | TFC TO WCC           | FWB-NJ |
| 4230.0  | R | 0500 | NDOL     | USCGC FIREBUSH        | MSG TO CINCPACFLT    | RM -IL |
| 4400.0  | U | 0000 |          | USS EDONTON           | WKG 'RONNY'          | AL -MA |
| 4400.8  | U | 0613 | WTBE     | NOAA FAIRWEATHER      | QBS TO SAN FRANCISCO | DS -OH |
| 4401.0  | U | 0624 | NOWK     | USCGC DEPENDABLE      | WKG NMA              | WRB-IN |
| 4408.0  | U | 0308 | NUJH     | USCGC POINT WARDE     | WKG NMA              | AL -MA |
| 4428.0  | U | 0625 | NRPJ     | USCGC LAUREL          | WKG NMC              | JFH-MA |
| 4428.7  | U | 0623 | NRPJ     | USCGC LAUREL          | WKG NMC              | AL -MA |
| 5320.0  | U | 0239 | NSDA     | USCGC POINT LOBOS     | WKG NOR 7            | JFH-MA |
| 5320.0  | U | 0340 | NSDT     | USCGC CAPE SHOALWATER | WKG NMA              | AL -MA |
| 5696.0  | U | 1546 |          | USS MILLER            | WKG CORPUS CHRISTIE  | SR -MI |
| 5696.0  | U | 1546 |          | USS MILLER            | WKG CAPE COD         | SR -MI |
| 5696.0  | U | 0340 | NOWK     | USCGC DEPENDABLE      | WKG CG 2107          | SR -MI |
| 6200.0  | U | 1922 | NFLW     | USCGC CAPE MORGAN     | WKG NMF              | JFH-MA |
| 6200.0  | U | 1221 | WIDM     | NOAA MILLER FREEMAN   | WKG CG 6UAM          | MC -AZ |
| 6200.0  | U | 1219 | WIDD     | NOAA OREGON II        | WKG NNM              | AL -MA |
| 6257.5  | R | 0415 | C6CG     | CUNARD PRINCESS       | WKG KFS              | JCH-MD |
| 6516.0  | U | 2155 |          | JM PHILLIPS           | WKG WCM              | WRB-IN |
| 6518.6  | U | 0209 | NHKW     | USCGC CONFIDENCE      | WKG NMC              | JFH-MA |
| 6518.8  | U | 0721 | NYCB     | USCGC BOUTWELL        | WKG NMC              | RM -IL |
| 6727.0  | U | 0225 | NDGV     |                       | P/P VIA SCOTT        | DS -OH |
| 8241.5  | U | 0024 | KNDB     | NOAA RAINBOW HOPE     | WKG NNM              | JFH-MA |
| 8288.0  | U | 0140 | SVLK     | M/S PREFECTURE (?)    | P/P VIA KMI          | HBB-WA |
| 8344.0  | R | 1746 | GBBS     | SILVIA SOFIA          | TELEX TO KFS         | MC -AZ |
| 8345.0  | R | 2325 | SPYM     | STEFAN BATORY         | WKG GYDNIA RADIO     | JCH-MD |
| 8350.0  | R | 1940 | 9VJQ     | EAST GATE             | WKG PORTISHEAD       | JCH-MD |
| 8350.0  | R | 0424 | GUNZ     | LONDON GLORY          | WKG KPH              | JCH-MD |
| 8352.0  | R | 2045 | WFZC     | DOCK EXPRESS TEX      | WKG SCHEVINGEN       | JCH-MD |
| 8353.6  | R | 0244 | UCJF     | MANAEV KURGAN         | 50-170N WKG UJY      | MC -AZ |
| 8354.0  | R | 0233 | 9MHT     | RIMBA RAMIN           | ARG CALLUP TO WCC    | MC -AZ |
| 8356.5  | R | 0058 | UGOC     | PB V LATSIS           | RYS                  | JEB-CA |
| 8357.0  | R | 2320 | JELR 3   | DAPHNE                | WKG WLO              | JCH-MD |
| 8370.0  | C | 1128 | YXHR     | M/V VENCEMOS IV       | TELEX TO PJC         | RM -IL |
| 8722.0  | U | 2305 |          | AMERICANIS            | WKG WOM              | TF -KY |
| 11434.0 | U | 1346 | NBTM     | USCGC POLAR STAR      | WKG NMC              | AL -MA |
| 12501.5 | R | 1730 | OXPS     | LICA MAERSK           | ARG TELEX TO WCC     | MC -AZ |
| 12506.5 | R | 1945 | EVKL     | BMRT ANDRUS IOKHANI   | TFC                  | JEB-CA |
| 12520.0 | R | 2035 | UEJB     | PB IVAN FEDOROV       | TFC TO KALININGRAD   | JEB-CA |
| 12523.0 | R | 0102 | UNAJ     |                       | 50-170N TFC          | JEB-CA |
| 12523.5 | R | 2045 | ESRL     | NPS ARGUS             | TFC TO KALININGRAD   | JEB-CA |
| 12526.5 | R | 2140 | LLPQ     | M/V H TAKOBSEN        | WKG LGB              | RMA-IA |
| 16587.1 | U | 2240 | WPJG     | AMERICAN MARKETEE     | WKG KSW              | HBB-WA |

\*\*\* AERO \*\*\*

| FREQ   | M | TIME | CALL          | TRAFFIC               | CONTRB |
|--------|---|------|---------------|-----------------------|--------|
| 2887.0 | U | 0846 | AEROFLOT      | WKG NEW YORK          | SR -MI |
| 3016.0 | U | 0905 | LUFTHANSA 481 | WKG GANDER            | RSR-ON |
| 3046.0 | U | 0323 | AIR FORCE 2   | WKG ANDREWS           | BLA-PA |
| 3113.0 | U | 0323 | AIR FORCE 2   | WKG READINESS CONTROL | BLA-PA |
| 3413.0 | U | 1128 | UNITED 26     | WKG HONDLULU          | SR -MI |
| 4416.0 | U | 0942 | G9F           | USAF WKG WOF AND 200  | RSR-ON |
| 4746.0 | U | 0651 | KING 93       | WKG MCELELLAN         | BLA-PA |
| 5574.0 | U | 0752 | AMERICAN 64   | WKG SAN FRANCISCO     | WRB-IN |
| 5575.0 | U | 0209 | AMERICAN 182  | WKG SAN FRANCISCO     | SMM-MI |
| 5575.0 | U | 032  | KILO 0190     | WKG HONDLULU AERO     | SMM-MI |
| 5598.0 | U | 0200 | KLM 762       | WKG SANTA MARIA       | J6 -NY |

|         |   |      |                      |     |                       |        |
|---------|---|------|----------------------|-----|-----------------------|--------|
| 5652.0  | U | 0137 | SARENA 371           | WKG | ALGIERS               | JG -NY |
| 5652.0  | U | 2342 | MK 046               | WKG | KHARTOUM AERO         | JG -NY |
| 5658.0  | U | 0223 | SPEEDBIRD 153        | WKG | KHARTOUM AERO         | DS -OH |
| 5661.0  | U | 0225 | SARENA 483           | WKG | KHARTOUM AERO         | RJC-MA |
| 5696.0  | U | 0151 | CG 01                | P/P | TO CORPUS CHRISTI     | HBB-WA |
| 5696.0  | U | 1300 | CG 1359              | WKG | MIAMI                 | SR -MI |
| 5696.0  | U | 0020 | CG 1424              | WKG | MIAMI                 | SR -MI |
| 5696.0  | U | 1255 | CG 1435              | WKG | NMN                   | BC -MD |
| 5696.0  | U | 0057 | CG 2121              | WKG | NOG                   | AL -MA |
| 5696.0  | U | 0134 | CG 2126              | CLG | SAN FRANCISCO         | HBB-WA |
| 5696.0  | U | 0211 | CG HELI 1489         | WKG | PORTSMOUTH            | HBB-WA |
| 5696.0  | U | 2244 | CG AFPA CHARLIE 1391 | WKG | NMA                   | JFH-MA |
| 5696.4  | U | 0225 | CG 2101              | WKG | 2141                  | AJN-NY |
| 6577.0  | U | 0130 | CUBANA 901           | WKG | NY AERO               | BDJ-NY |
| 6577.0  | U | 0120 | MIAMI 3011           | WKG | NY AERO               | BDJ-NY |
| 6643.0  | U | 0419 | SWISS AIR 143        | WKG | BERNE                 | JCH-MD |
| 6715.0  | L | 1454 | AIR FORCE 1          | WKG | STONEAGE              | BLA-PA |
| 6731.0  | L | 1830 | SAM 27000            | WKG | ANDREWS               | DS -OH |
| 6738.0  | U | 1037 | SAM 50249            | WKG | ELMENDORF             | DRU-HI |
| 6750.0  | U | 0154 | HUFF 72              | WKG | FORMAT VIA MACDILL    | GR -IL |
| 7690.0  | L | 2327 | SAC 86971            | WKG | ANDREWS               | RMA-IA |
| 8826.0  | U | 1552 | 577                  | WKG | GANDER AERO           | SMM-MI |
| 8843.0  | U | 0150 | AIR CANADA 043       | WKG | HONOLULU              | HBB-WA |
| 8864.0  | U | 0524 | AIR NAURU 160        | WKG | NANDI                 | JCH-MD |
| 8918.0  | U | 0143 | EASTERN 9            | WKG | SAN JUAN              | BDJ-NY |
| 8921.0  | U | 0506 | SPRINGBOK 250        | WKG | SPEEDBIRD LONDON      | JCH-MD |
| 8927.0  | U | 2346 | ETHIOPIAN 9761       | WKG | HOLLOWAY              | JCH-MD |
| 8993.0  | L | 1520 | GOLL 09              | P/P | MIAMI MON VIA MACDILL | BLA-PA |
| 11176.0 | U | 1748 | SAM 27000            | WKG | ANDREWS               | GR -IL |
| 11180.0 | L | 0112 | SAM 86971            | WKG | ANDREWS               | DS -OH |
| 11396.0 | U | 0848 | MALAYSIAN 64         | CLG | MANILA AERO           | BPS-CA |
| 13201.0 | U | 0105 | MAC 50575            | WKG | HICKAM                | HBB-WA |
| 13215.0 | L | 2221 | SAM 24127            | WKG | ANDREWS               | DS -OH |
| 13300.0 | U | 250  | CLIPPER 2            | WKG | HONOLULU              | HBB-WA |
| 13300.0 | U | 2301 | NW 7                 | WKG | HONOLULU              | HBB-WA |
| 14686.0 | U | 2128 | MARLIN 395           | WKG | SHARK 391             | BLA-PA |
| 15015.0 | U | 2251 | MAC 50587            | R/C | ANDREWS               | HBB-WA |

\*\*\* TACTICAL \*\*\*

| FREQ    | M | TIME | CALL                | TRAFFIC                   | CONTRB |
|---------|---|------|---------------------|---------------------------|--------|
| 1118.0  | U | 1920 | FOREST FIRE         | WKG HOT SHOT              | RM -IL |
| 3016.0  | U | 0257 | HI-FI 23            | WKG NEW YORK CENTER       | SR -MI |
| 4375.0  | U | 0146 | 3TL                 | WKG Y9A                   | MC -NY |
| 4416.0  | U | 0711 | ALPHA 6 QUEBEC      | WKG PAPA 2 ALPHA          | DRU-HI |
| 4416.0  | U | 0448 | HOTEL 2 HOTEL       | WKG YANKEE 5 ALPHA        | DRU-HI |
| 4464.5  | U | 1331 | KEYSTONE 9          | PA CAP NET                | BCW-VA |
| 4721.0  | U | 0041 | BEEFCAKE            | WKG ANDREWS               | SMM-MI |
| 4859.0  | L | 1751 | INDIA 6 DELTA       | WKG NOVEMBER              | MWJ-ID |
| 5080.0  | U | 0533 | PLEAD CONTROL       | WKG GOLF 9                | MWJ-ID |
| 5090.0  | U | 0322 | BRAVO 64            | CLG BRAVO 76              | MWJ-ID |
| 5234.9  | U | 0311 | 9 GOLF              | WKG 0 ZULU                | RM -IL |
| 5320.0  | U | 2315 | COLUMBUS ONE        | WKG COBURN ZULU           | DS -OH |
| 5684.0  | U | 0254 | UNIFORM 2 VICTOR    | WKG HALIFAX MILITARY      | AL -MA |
| 5696.0  | U | 1916 | BABY GREEN GIANT    | WKG MNM                   | SR -MI |
| 5696.0  | U | 0215 | PAPA CHARLIE        | WKG CG LIASON HAITI       | DS -OH |
| 6693.0  | U | 1605 | DYNAMIC 11          | WKG HALIFAX CANMIL        | JG -NY |
| 6720.0  | U | 0110 | SIX KILO VICTOR     | WKG ALPHA 1 ZULU          | JG -NY |
| 6738.0  | U | 0429 | ARCHITECT           | WKG ASCOT 4455            | JCH-MD |
| 6761.0  | U | 0441 | BANCO 45            | WKG DISGUISE              | FWB-NJ |
| 6761.0  | U | 0137 | ERR 86              | WKG SMUGGLER              | JG -NY |
| 6761.0  | U | 0438 | OLGA 44             | WKG OLGA 41               | FWB-NJ |
| 6761.0  | U | 0143 | PEPTO 56            | CLG FIFTY-SIX FOUR        | JG -NY |
| 6895.0  | L | 1818 | INSTILL             | WKG SNOOKER               | MC -NY |
| 7645.0  | U | 1843 | WZW                 | WKG P70                   | RM -IL |
| 8778.0  | U | 0759 | HIGH GROUND 200     | CLG HIGH GROUND BASE      | CLG    |
| 8993.0  | U | 0101 | ROMEO 6 NOVEMBER    | CLG YANKEE 5 ALPHA        | JG -NY |
| 9002.2  | U | 0101 | HOUSE 90            | WKG ASCENSION             | JG -NY |
| 9002.2  | U | 2028 | LINE MAINTENANCE    | WKG CROSSCUT              | DRU-HI |
| 9220.0  | U | 1505 | HAWKEYE HARRY       | WKG PURCELL               | RM -IL |
| 10448.5 | U | 2102 | ALPHA ALPHA FOX 96  | WKG 5 FOXTROT BRAVO ZULU  | AQ -NY |
| 10797.5 | U | 2058 | LIMA B LIMA         | WKG NOVEMBER 52 INTO RTTY | AQ -NY |
| 13445.0 | U | 1440 | FOUR FIVE           | WKG EIGHT EIGHT           | RM -IL |
| 13705.0 | U | 1313 | OCHO UNO            | WKG OCHO TRES             | RM -IL |
| 14440.0 | U | 2313 | CHARLIE ECHO        | CLG ALPHA PAPA            | RM -IL |
| 16245.0 | U | 1910 | GARDE               | WKG KILO GRAY             | BC -MD |
| 17980.0 | U | 1845 | BRAVO BRAVO 0 HOTEL | RAF WX BCST               | RM -IL |
| 18598.0 | U | 2333 | SIERRA 0 DELTA      | WKG 4 GOLF DELTA          | RM -IL |
| 98972.6 | U | 0230 | OSCAR VICTOR MIKE   | WKG 6 RMOED GOLF          | AJN-NY |

\*\*\* NUMBERS \*\*\*

| DATE     | START-STOP | FREQ   | M | LL/GG | TRAFFIC                 | CONTRB |
|----------|------------|--------|---|-------|-------------------------|--------|
| 01/01/85 | 0001-0000  | 7410.0 | C |       | 5D, 'T' USED FOR ZERO   | RM -IL |
| 01/08/85 | 0033-0046  | 7526.0 | A | SS/YL | 5D, 'T' USED FOR ZERO   | BC -MD |
| 03/13/85 | 0207-0046  | 2707.0 | U | 66/YL | RANDOM TONES, 5D        | AQ -NY |
| 03/14/85 | 1645-1759  | 7380.0 | A | 66/YL | 5D                      | RT -FL |
| 03/16/85 | 1507-1510  | 9075.0 | U | SS/YL | SEVERAL 5D MSGS, T=ZERO | RM -IL |
| 03/17/85 | 0228-0237  | 9435.0 | A | EE/YL | 041 041 041 RPTD        | BC -MD |
| 03/17/85 | 0340-0000  | 3236.0 | C | /     | 4D BARELY AUDIBLE       | RFB-MA |
| 03/17/85 | 0830-0000  | 6849.5 | C | /     | FIVE 6D GROUPS          | FWB-NJ |
| 03/17/85 | 2045-2046  | 9450.0 | A | EE/YL | 5D GROUPS               | DRU-HI |
| 03/18/85 | 0400-0406  | 4070.0 | A | SS/YL | 5D GROUPS               | RT -FL |
|          |            |        |   |       |                         | FWB-NJ |

|          |           |      |         |   |       |                           |        |
|----------|-----------|------|---------|---|-------|---------------------------|--------|
| 03/23/85 | 0557      | ---- | 4632.0  | U | SS/OM | 5L, LIVE BCAST            | RM -IL |
| 03/24/85 | 1125-1140 |      | 8219.0  | C | /     | 5D. BT BT 286 286 135 135 | RMA-IA |
| 03/24/85 | 1638-1642 |      | 10665.0 | A | SS/YL | 4D                        | RM -IL |
| 03/24/85 | 1650-1700 |      | 10681.0 | C | /     | 5L. CONNECTED TO 10665?   | RM -IL |
| 03/27/85 | 1136      | ---- | 13867.4 | L | FF/OM | 4D, 3D, 2D. LIVE BCAST    | RM -IL |
| 04/03/85 | 0203      | ---- | 3236.0  | C | /     | 6D GROUPS                 | FWB-NJ |
| 04/03/85 | 0530-0550 |      | 4058.0  | A | SS/   | 5D, POOR MODULATION       | JMN-CA |
| 04/04/85 | 0234      | ---- | 9960.0  | A | SS/YL | 4D GROUPS                 | PAT-CA |

\*\*\* BEACONS \*\*\*

| FREQ    | M | TIME | CALL | TYPE  | TRAFFIC                  | CONTRB |
|---------|---|------|------|-------|--------------------------|--------|
| 3978.0  | C | 1550 | K    | SLHFB | 3 SEC INTERVAL           | DRU-HI |
| 9525.0  | C | 0820 | GR   |       | HARSH MOD, MUCH SPLATTER | JMN-CA |
| 10125.0 | C | 1833 | YQDF |       | ALMOST 24 HOURS          | JMN-CA |
| 10570.0 | C | 1346 | K    | SLHFB | 5-SEC INTERVALS          | RM -IL |
| 13638.5 | C | 1225 | ZZ   |       | 5-SEC INTERVALS TIL 1230 | RM -IL |
| 15705.0 | C | 1258 | U    | SLHFB | 5-SEC INTERVALS          | RM -IL |
| 16306.0 | C | 1935 | NNS  |       | 3 LETTER BEACON          | BC -MD |

\*\*\* UNIDENTIFIED \*\*\*

| FREQ    | M | TIME | DATE     | CALL  | TRAFFIC                   | CONTRB |
|---------|---|------|----------|-------|---------------------------|--------|
| 2325.0  | C | 0335 | 03/10/85 | 72JKL | '13RG 72JKL'              | RSR-ON |
| 3153.8  | R | 1830 |          | L76L  | WKG 193P IN Z-CODES       | RMA-FR |
| 3220.5  | C | 0137 | 03/20/85 | F30R  | 'NERK DE F30R' BY HAND    | FWB-NJ |
| 3746.4  | C | 0215 | 03/16/85 | A3    | CLG WTN, XRA, JOI         | FWB-NJ |
| 4092.0  | C | 0406 | 03/18/85 | ACJU  | WKG UNID STN              | FWB-NJ |
| 4095.0  | C | 0115 | 03/23/85 | AHR   | WKG UPF                   | FWB-NJ |
| 4103.0  | C | 0950 | 03/18/85 | HUB   | WKG ZCA                   | FWB-NJ |
| 4115.0  | C | 0045 | 03/18/85 | ZCD   | WKG OGR, CLG L1           | FWB-NJ |
| 4196.0  | C | 0132 | 03/22/85 | 73HSX | CLG 78QLD                 | FWB-NJ |
| 4228.0  | R | 0540 | 03/04/85 | 72JKL | RYS/S6S                   | JFH-MA |
| 4779.8  | C | 1222 | 03/28/85 | 2RC 8 | 'BLGS DE 2RC 8' MARKER    | MC -AZ |
| 4860.0  | A | 1750 | 03/09/85 |       | OM COUNTING 1 TO 10.      | MWJ-ID |
| 5565.0  | C | 0434 | 03/23/85 | J3R   | V MARKER                  | FWB-NJ |
| 6105.0  | C | 0720 | 03/17/85 | VK 30 | V MARKER                  | RT -FL |
| 6867.0  | C | 0332 | 03/13/85 |       | 'MMIET' RPTD TIL 0333     | RM -IL |
| 6867.0  | C | 0335 | 03/13/85 |       | 5L MSG USING ADGIMNRTUW   | DS -OH |
| 7410.0  | C | 0340 | 03/20/85 | 7E1 3 | 5D GROUPS                 | AL -MA |
| 8330.0  | C | 2155 | 03/11/85 |       | '5-7-8' RPTD @ 10WPM      | ES -MA |
| 9022.0  | U | 0337 | 03/19/85 | DQN   | EP WKG TN, AA WKG AK/AX   | FWB-NJ |
| 9205.0  | C | 0106 | 03/17/85 | RKN   | V MARKER TIL 0107, THEN K | RM -IL |
| 9220.5  | C | 1150 | 03/13/85 |       | CQ MARKER                 | RM -IL |
| 11306.0 | U | 2057 | 03/21/85 |       | 2 OM IN JJ                | RM -IL |
| 12932.0 | R | 1757 | 03/17/85 | 72JKL | RYS/S6S                   | AL -MA |
| 13788.0 | C | 1643 | 03/19/85 |       | 5L USING ADGIMNRTUW       | RM -IL |
| 14523.0 | R | 1815 | 04/05/85 | RUES  | FOXES                     | MC -AZ |
| 14727.0 | R | 1736 | 03/15/85 | NDO   | 50-42SR, RYS, NOT US NAVY | RM -IL |
| 16205.0 | C | 1923 | 03/19/85 |       | 'VA ZDK 'ZOK KAXAI', RPTD | PAT-CA |
| 16616.0 | U | 2004 | 03/09/85 |       | 2-WAY SS COMM             | BC -MD |
| 16646.0 | U | 2020 | 03/09/85 |       | 2-WAY CHINESE COMM        | BC -MD |
| 17139.0 | R | 1200 | 03/26/85 | 72JKL | RY 4/6/8/12               | RMA-FR |
| 18128.0 | C | 1623 | 03/18/85 |       | LIST OF ALREADY SENT M6S6 | RM -IL |
| 19095.0 | U | 1734 | 03/24/85 |       | TELCOM TFC, TALK OF PARIS | BC -MD |
| 19308.0 | A | 2005 | 03/21/85 |       | MX MRK. F-A-C-F GLISSANDO | RM -IL |
| 19760.0 | A | 1750 | 03/11/85 |       | 2-NOTE MX MARKER          | RM -IL |
| 20096.0 | C | 1928 | 03/12/85 |       | 5 CHAR ALPHANUMERIC MSG   | RM -IL |
| 20765.0 | A | 1730 | 03/18/85 |       | 18-NOTE ARABESQUE MX MRKR | RM -IL |
| 40689.0 | C | 0400 | 03/18/85 | AUL   | CLG RAG                   | FWB-NJ |

\*\*\* VLF/LF/MW \*\*\*

| CNTRY | FREQ   | M | TIME | CALL | CITY           | IDENT | TRAFFIC  | CONTRB |
|-------|--------|---|------|------|----------------|-------|----------|--------|
|       | 289.0  | C | 0430 | YLQ  |                | NDB   | ID       | FWB-NJ |
|       | 1612.0 | C | 0646 | FRB  |                | NDB   | ID       | RR -MS |
|       | 1621.5 | C | 0729 | VBT  |                | NDB   | ID       | RR -MS |
| BAHM  | 251.0  | A | 0929 | ZBA  | NASSAU         | NDB   | ID       | RSR-ON |
| BAHM  | 376.0  | A | 1018 | ZIN  | GREAT INAGUA   | NDB   | ID       | RSR-ON |
| BAHM  | 397.0  | C | 0404 | ZBB  | BIMINI         | NDB   | ID       | BC -MD |
| CAN   | 338.0  | C | 0456 | CC   |                | NDB   | ID       | BC -MD |
| CAN   | 365.0  | C | 0433 | YMW  | MANIWAKI       | NDB   | ID       | FWB-NJ |
| CAN   | 371.0  | A | 0738 | GW   | POST LA BALEIN | NDB   | ID       | RSR-ON |
| CAN   | 390.0  | A | 0756 | JT   | STEPHENVILLE   | NDB   | ID       | RSR-ON |
| CAN   | 397.0  | A | 0804 | J    | TORONTO        | NDB   | ID       | RSR-ON |
| CAN   | 399.0  | A | 1036 | D    | DRYDEN BAY ONT | NDB   | ID       | RSR-ON |
| CAN   | 438.0  | C | 0435 | CFH  | HALIFAX        | NDB   | ID       | FWB-NJ |
| CAN   | 516.0  | C | 0506 | YWA  | PETAWAWA       | NDB   | V MARKER | BC -MD |
| CAN   | 530.0  | C | 0421 | NB   | NORTH BAY      | NDB   | ID       | BC -MD |
| COLO  | 387.0  | A | 0751 | SPP  | SAN ANDREAS    | NDB   | ID       | RSR-ON |
| COLO  | 1685.0 | A | 0743 | MER  | MERCADERES     | NDB   | ID       | RSR-ON |
| COLO  | 1686.0 | C | 0744 | MER  | MERCADERES     | NDB   | ID       | RR -MS |
| ECUA  | 1623.5 | C | 0732 | PAT  | ESTAZA         | NDB   | ID       | RR -MS |
| BUAT  | 1613.0 | A | 0715 | RAB  | RABINAL        | NDB   | ID       | RSR-ON |
| USA   | 200.0  | C | 2050 | DIW  | DIXON          | NDB   | ID       | BC -MD |
| USA   | 206.0  | A | 0837 | ELS  | GALVESTON      | NDB   | ID       | RSR-ON |
| USA   | 212.0  | C | 2046 | GSN  | EASTON         | NDB   | ID       | BC -MD |
| USA   | 212.0  | C | 2046 | TUK  | WANTUCKET      | NDB   | ID       | BC -MD |
| USA   | 215.0  | C | 2044 | CLB  | CAROLINA BEACH | NDB   | ID       | BC -MD |
| USA   | 286.0  | A | 0539 | DE   | DRY TORTUGAS   | NDB   | ID       | RSR-ON |
| USA   | 312.0  | U | 2039 | SP   | SMITH PT. LITE | NDB   | ID       | BC -MD |
| USA   | 313.0  | C | 2037 | CP   | COVE POINT LT. | NDB   | ID       | BC -MD |
| USA   | 320.0  | A | 0935 | W    | CAP SAN BLAS   | NDB   | ID       | RSR-ON |
| USA   | 368.0  | A | 0735 | BEQ  | BOSSOMER       | NDB   | ID       | RSR-ON |

|     |        |   |      |          |            |     |                           |        |
|-----|--------|---|------|----------|------------|-----|---------------------------|--------|
| USA | 420.0  | A | 0814 | CEK      | CRETE      | NDB | ID                        | RSR-ON |
| USA | 423.0  | A | 0817 | RVJ      | REIDSVILLE | NDB | ID                        | RSR-ON |
| USA | 1619.0 | C | 0403 | SSE      |            | NDB | ID                        | BC -MD |
| USA | 1620.0 | A | 0728 | KA 83316 |            | NDB | ID EVERY 4 MIN.           | RSR-ON |
| USA | 1621.0 | A | 0750 | UBT      |            | NDB | ID                        | RSR-ON |
| USA | 1629.0 | C | 0735 | KA 83324 |            | NDB | ID, THEN 'K515' RPTD, OFF | RR -MS |
| USA | 1773.0 | C | 0809 | KJ 94    |            | NDB | ID. OFF AT 0810           | RR -MS |

\*\*\* QSLs \*\*\*

| ENTRY CALL  | DES/ID | NAME/LOCATION      | QSL/ POSTAGE/ #DAYS       | FREQ    | CONTRB |
|-------------|--------|--------------------|---------------------------|---------|--------|
| 5W PAL      | USCG   | 01 AIRCRAFT        | PFC/LETTER/STICKER MS 57D | 5696.0  | JFH-MA |
| C2DB        | M/V    | POLYNESIAN FLT 856 | LETTER MS 6D              | 5643.0  | HH -MD |
| D5XP        | M/V    | ENNA 6.            | PFC/LETTER IRC 48D        | 22230.0 | AM -ON |
| B6HG        | M/V    | SARITA             | PFC MS 46D                | 16713.5 | AM -ON |
| B0TC        | M/V    | DUMBATA            | PFC/LETTER/PHOTO MS 59D   | 16713.5 | AM -ON |
| B0UK        | SS     | CALIFORNIA STAR    | PFC MS 28D                | 8250.8  | AM -ON |
| GWDL        | M/V    | LALIOSA            | PFC/LETTER/PHOTO MS 38D   | 16713.5 | AM -ON |
| 8YIT        | M/V    | THAMESFIELD        | PFC/LETTER/PHOTO MS 30D   | 12334.5 | AM -ON |
| KFPN        | M/V    | MARON              | PFC/LETTER/PHOTO MS 36D   | 16713.5 | AM -ON |
| NA8D        | USCGC  | GLDMAR LABRADOR I  | LETTER/PHOTOS MS 16D      | 2182.0  | HH -MD |
| NBVL        | USCGC  | JARVIS             | PFC MS 27D                | 6200.0  | JFH-MA |
| NBXL        | USCGC  | UNIMAK             | PFC MS 30D                | 6200.0  | JFH-MA |
| NCFQ        | USCGC  | UTE                | PFC MS 11D                | 5320.0  | JFH-MA |
| NECA        | USCGC  | CAPE SMALL         | PFC MS 9D                 | 6200.0  | JFH-MA |
| ANGD DSE 71 | MARCO  | POINT HURON        | PFC MS 14D                | 2182.0  | HH -MD |
| AUST VHP 2  | MARCO  | LUANDA             | LETTER 11RC 75DAYS        | 17189.0 | PAC-UK |
| AUST VIS 26 | MARCO  | CANBERRA           | LETTER IRC 30D            | 6428.5  | RSR-ON |
| BER VRT     | MARCO  | MARCO SYDNEY       | CARD IRC 60D              | 8521.0  | RSR-ON |
| CAN BV      | NDB    | HAMILTON           | LETTER IRC 30D            | 6487.5  | RSR-ON |
| CAN CKN     | NDB    | CHAMPLAIN          | PPC                       | 336.0   | HH -MD |
| CAN HB      | CANMIL | VANCOUVER          | LETTER NPOSTAGE 7D        | 4268.0  | RSR-ON |
| CAN LD      | NDB    | ALMA               | PFC SASE 14D              | 253.0   | RSR-ON |
| CONG TNA    | MARCO  | LIBOUTAMU          | PFC SASE 14D              | 328.0   | RSR-ON |
| ENG GKB 2   | MARCO  | PT. NOIRE          | LETTER 11RC 37DAYS        | 12682.5 | PAC-UK |
| ENG GYC     | MARCO  | FORTISHEAD         | CARD/LETTER IRC 30D       | 4274.0  | RSR-ON |
| FRAN FFL 3  | MARCO  | LONDON NAVRAD      | LETTER IRC                | 6413.7  | RSR-ON |
| FRAN FFL 41 | MARCO  | ST. LYS            | CARD IRC 30D              | 8808.8  | RSR-ON |
| HI KVM 70   | MARCO  | ST. LYS            | CARD IRC 30D              | 8828.0  | DRU-HI |
| HOLL PJC    | MARCO  | VOLMET HONOLULU    | CARD 1MS 130DAYS          | 6491.5  | JFH-MA |
| JAM 6YX     | JCS    | WILLENSHAD         | PFC 21RC 22D              | 293.0   | HH -MD |
| MEX XFM     | MARCO  | KINGSTON           | PFC/LETTER 21RC AIR 34D   | 182.0   | JFH-MA |
| NCAL EUD    | MARCO  | MANZANILLO         | LETTER NPOSTAGE 30D       | 8568.5  | RSR-ON |
| SPAN EAJ    | MARCO  | MOLUMA             | LETTER IRC 42D            | 8657.0  | RSR-ON |
| USA CCJ     | NDB    | ARANJUEZ           | PFC/LETTER 21RC AIR 73D   | 6400.5  | JFH-MA |
| USA NMA 10  | USCG   | CRESCO             | PFC 14D                   | 2670.0  | ES -MA |
| USA NMC     | USCG   | MIAMI              | PFC 1MS 94D               | 4428.7  | RCW-OH |
| USA NMC     | USCG   | SAN FRANCISCO      | CAR/LETTER/SCHED          | 5696.0  | J6 -NY |
| USA NMC     | USCG   | SAN FRANCISCO      | CARD 1MS 7DAYS            |         |        |

This was the largest month to date for me in terms of the number of logs. Over 1100 logs were submitted by 59 contributors, but with only 11 pages, I couldn't get them all in the magazine. However, most made it into the Master Database. Maybe next year I'll have 15 pages for May's issue as I did for April's.

I erred in the April issue on RTTY log 18047 khz, KVV 21 Chicago which should be labelled Consulate instead of Embassy. Robert Margolis submitted it correctly but I botched the entry.

Has anyone got a confirmation of the identity of 72JKL? The controversy is about whether or not it is Spanish Naval Radio. Anyone got a QSL?

With this issue I started using my new Kaypro 16 computer with 10MB hard disk and dBASE III database manager. I have written software to automatically lookup the callsign in a callsign database and return to with the city, ident, and country. New calls are added to the list automatically, and the log is automatically classed by the headings I use for the column; North America, RTTY, etc.

A question has come about the numbers section, and why the date is presented first. My reasoning behind this is that popular opinion holds that the numbers stations broadcast in a Date-Time-Frequency cycle, and I chose to present the information in that format. If this is a problem, I'll change it if enough of you let me know.

A reminder and a plea: PLEASE use the standard log forms and PLEASE cut them into strips. I get more logs in a month than most editors get in a quarter. With this kind of volume, those of you who do not use the forms (or facsimiles) or do not cut your logs into strips will have your logs entered last as time and room permit. Forms are available from the Business Manager; see the back page for the address. It will only take you a few minutes to cut your logs, but it can take me hours to chop up or transcribe several dozen sheets of paper. I will not continue to be so generous. Be warned.

Next month I hope to have enough room to start listing the corrections you have provided and answer some of the questions you have been asking. Until then, 73.....

 N8GJL

ATTENTION CANADIAN AND MEXICAN MEMBERS!

As you no doubt noted last month, I am now sending your bulletins via "AO AIRMAIL" along with the rest of the overseas SPEEDX bulletins. The reason for this is information from my local post office claiming that this method should speed up the delivery to your homes. It only costs a penny more to do so, and the cost is still safely within the dues rate. If this does in fact result in somewhat faster delivery, or if it delays delivery noticeably, please let me know.

STAFF ANNIVERSARIES

Congratulations to David Sharp (2 years of DX Montage) and John Trautschold (2 years of doing the Contributors List). Belated kudos to Managing Editor Rick Drollinger (2 years), Project Coordinator Kraig Krist (2 years), and Central Distributing Editor Peggy Thompson (5 years); they passed those milestones in April. Thanks folks!

WHERE ARE YOU FROM?

The following lists of SPEEDXers by state and province are as of the April mailing of the magazine:

MEMBERS BY U.S. STATES AND TERRITORIES

|               |    |     |               |    |    |               |    |    |
|---------------|----|-----|---------------|----|----|---------------|----|----|
| Alabama       | AL | 4   | Kansas        | KS | 8  | Ohio          | OH | 35 |
| Alaska        | AK | 4   | Kentucky      | KY | 4  | Oklahoma      | OK | 4  |
| Amer. Samoa   | AS | 0   | Louisiana     | LA | 13 | Oregon        | OR | 16 |
| Arizona       | AZ | 21  | Maine         | ME | 8  | Pennsylvania  | PA | 50 |
| Arkansas      | AR | 2   | Maryland      | MD | 16 | Puerto Rico   | PR | 0  |
| California    | CA | 149 | Massachusetts | MA | 39 | Rhode Island  | RI | 4  |
| Canal Zone    | CZ | 0   | Michigan      | MI | 33 | S. Carolina   | SC | 3  |
| Colorado      | CO | 16  | Minnesota     | MN | 12 | S. Dakota     | SD | 1  |
| Connecticut   | CT | 14  | Mississippi   | MS | 5  | Tennessee     | TN | 11 |
| Delaware      | DE | 2   | Missouri      | MO | 14 | Texas         | TX | 37 |
| Dist. of Col. | DC | 6   | Montana       | MT | 1  | Trust Terr.   | TT | 0  |
| Florida       | FL | 44  | Nebraska      | NE | 4  | Utah          | UT | 2  |
| Georgia       | GA | 17  | Nevada        | NV | 5  | Vermont       | VT | 4  |
| Guam          | GU | 0   | New Hampshire | NH | 7  | Virginia      | VA | 31 |
| Hawaii        | HI | 5   | New Jersey    | NJ | 29 | Virgin Is.    | VI | 0  |
| Idaho         | ID | 5   | New Mexico    | NM | 7  | Washington    | WA | 17 |
| Illinois      | IL | 43  | New York      | NY | 80 | West Virginia | WV | 5  |
| Indiana       | IN | 16  | N. Carolina   | NC | 13 | Wisconsin     | WI | 14 |
| Iowa          | IA | 9   | N. Dakota     | ND | 0  | Wyoming       | WY | 2  |
|               |    |     | N. Mariana I. | CM | 0  |               |    |    |

MEMBERS BY CANADIAN PROVINCES AND TERRITORIES

|                  |    |                 |    |                   |    |
|------------------|----|-----------------|----|-------------------|----|
| Alberta          | 6  | Newfoundland    | 1  | Prince Edward Is. | 0  |
| British Columbia | 13 | Northwest Terr. | 0  | Quebec            | 11 |
| Manitoba         | 4  | Nova Scotia     | 2  | Saskatchewan      | 2  |
| New Brunswick    | 3  | Ontario         | 15 | Yukon             | 0  |

Time to check the mailbox now.



Dear fellow SPEEDXers,

Every now and then I'll be scanning one of the major SWBC bands and hear it cluttered from end to end with awful-sounding spurs from a sole Radio Havana Cuba transmitter, usu ally smack mid-band. This seems to be just one transmitter causing the garbage, and it's in use almost around-the-clock on one band or another. Now we've all heard some nasty hum and sideband splatter from RHC... it seems to be part of their programming philosophy... but this QRM is intense and quite unnecessary. The question is, am I the only member hearing this slop and grinding my teeth? I never hear anyone else even so much as mention this menace; maybe we believe it'll just go away and why bother! Well, it's been happening, to my knowledge, since late last year, and it's not my receiver's problem... the FCC monitoring station has also noted it.

Now, members who are avid DX'ers or casual SWL'ers know too well that there's enough frequency pollution in the SWBC bands to last



several lifetimes, and a situation like this one is your chance to do something positive for your fellow hobbyists and for other international broadcasters: the next time you hear 40 duplicates of RHC's broadcasting in one band, write them a note about it! Any broadcaster seeking a wide audience cannot afford to be insensitive to a problem brought to their attention by many listeners... don't be nasty or abusive about it when you write, just tell them something like "I really enjoy your broadcasts of Cuban music which I listen to frequently" or something similar, and then kindly ask them if they're aware of a technical problem you've noticed (and describe the problem, of course). Don't wait for someone else to write that letter, do it yourself... there's power in numbers, and several hundred letters is a significant number to a SWBC'er. Who knows... if this works, maybe next we could ask for some non-sedative programming on Radio Tirana!

Best 73.

Al Quaglieri, Albany, New York

Dear Tom,

I realize that SPEEDX does not concern itself with politics, or regularly delve into governmental policies (except for sarcastic remarks in our program listings), but it is ironic that Ms. Hesch's article concerning Albania in Mr. Demmitt's column [April SPEEDX, p. 15] occurred at this time.

All of us SWLs, who occasionally listen to Radio Tirana, are aware of the droll programming emanating from this station. Little did we know that the citizens of Albania were under such repressive conditions.

CBS' "60 Minutes" of April 14, and SPEEDX's article both suggested that some changes may be made after the death of Mr. Hoxha. And this is where the irony makes itself known.

Mr. Hoxha did die, in early April, and the new leader is still being evaluated. The next few months of listening to Radio Tirana should prove to be very interesting.

Let's hope that the new government's changes will be evident in Radio Tirana's programming and, of course, a freer thinking by the citizens of this intriguing nation.

Mason Bair, Martinez, California

Dear Sir,

This letter is to let you know that HAP member James J. Garms (WDX7G) passed away September 3, 1984. You might not have know he had multiple sclerosis and in a wheel chair for 12 years.

He spent many wonderful years DXing. He started with a DX-160, then a FRG-7 and was very excited when I brought an Icom R-71A home to him the last three months that he lived. By then he was not able to turn the dials or push the buttons. I was able to program several of his favorite stations which he enjoyed until the end.

He took part in the SPEEDX Awards Program and had many beautiful QSL cards of which he was very proud.

In 1979 he was sent a nice plaque - the first Gene Moser Memorial Award from HAP-USA for his distinguished service.

Tom Meyer from Radio Nederland spoke to him on the radio - another happy moment for him.

I want you to know how thankful I was for all the wonderful hours, enjoyable hours, he was able to have - made possible by everyone in the SPEEDX program. I am also grateful to the HAP-USA program.

I have sold all his equipment to two wonderful young men just getting into DXing. I hope they will in turn get as much enjoyment and pleasure as Jim did.

Thanks for everything.

Doris A. Garms, Sun City, Arizona

AND FINALLY...

Don't forget the ANARCON '85 in Milwaukee this summer, July 19-21. More information and registration materials are available for 2 mint U.S. stamps (44c) or 3 IRCs from ANARCON '85, P.O. Box 24, Cambridge, WI 53523-0024. If you're planning on attending, take a second or two to drop me a postcard so we can have an idea of how many SPEEDXers will be there. So far, John Trautschold, Rick Drollinger, Bob Thunberg and myself will be there from the staff. And spouses, friends, or families are more than welcome. That's all for May, take care and CUN 30. 73s.

*Tom*

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MAY 1985

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 P.O. Box 2041  
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WANTED: Copies of the 1963 and 1965 World Radio TV Handbook, will pay \$20 for each copy. Edward J. Pyatt, 39 West County Street, Hampton, VA 23663. Phone (804) 723-0148.

WANTED: Recorded interval signal tapes. Anyone who has such a tape or knows where one can be obtained please contact me. John Freeman, P.O. Box 8677, Phoenix, AZ 85066.

WANTED: Radio Australia bumper stickers, will buy or trade for QSLs, pennants, from Albania, U.A.E., etc. Tom McKeon, 1413 N. Butler Ave., Indianapolis, IN 46219.

FOR SALE: Info-Tech M-200F RTTY/CW decoder with RCA monitor, cables and several RTTY guides, \$335 plus UPS to U.S. addresses. Jim Uerlings, 1437 Pacific Terrace, Klamath Falls, OR 97601. Phone (503) 884-7659 after 0130 GMT.

FOR SALE: Realistic DX-302, mint condition with manual, whip antenna, twelve-volt cable, in original box, \$250 or best offer. I'll ship UPS. Andy Kerr, 50 Lawrence #1, Eugene, OR 97401. Phone (503) 344-0675 [work] or (503) 484-5253 [home].



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