

# SPEEDY

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The DX Radio Magazine for Active SWLs

# Up Front

Tom Kephart  
1510-E Portabella Trail  
Mt. Pleasant, MI 48858-4035

BOARD OF DIRECTORS NEWS ◊ ANARC  
NEWS ◊ PUBLISHER'S NOTES ◊  
LETTERS ◊ LAST MINUTE INFO

AUGUST ISSUE was mailed on 7  
August 1986.

## BOARD OF DIRECTORS NEWS BOD MOTION #105-1: ASSOCIATE MEMBERSHIP STATUS FOR *SPEEDYGRAM* SUBSCRIBERS:

Moved, that Associate Membership status be granted to *SPEEDYGRAM* subscribers outside the U.S. and Canada. Let it be known that this is only to encourage overseas members to subscribe to the *SPEEDY* magazine, and that the parties in question would only be able to attain Full Membership after subscribing to the *SPEEDY* magazine itself." Moved by Sharp, AYE votes from Sharp, Sanderson, Thompson and Drollinger. NAY vote from Kephart.

## ELECTRONIC COMMUNICATIONS

PRIVACY ACT Robert Horvitz, ANARC's Government Affairs Liaison in Washington sends an "ACTION ALERT!" along to this column for your attention. **Your right to monitor the radio spectrum will be jeopardized if S.2575 is passed into law.** S. 2575 would criminalize the reception of many common radio signals. The bill has already passed the House of Representatives and it is now on a "FAST TRACK" in the U.S. Senate. But the rules of the Senate are such that even a single Senator opposed to the bill could potentially derail it.

"ANARC has called for hearings to discuss the radio provisions of the bill and to examine alternatives. We've circulated a list of amendments that would alleviate most of our concerns. We support the general goal of the bill, but believe that privacy of wireless communications can best be assured through technology, not by making criminals out of law abiding radio users.

"Senate staffers acknowledge that our amendments have merit, but they're not convinced that many people share our concerns. **YOUR SENATOR MUST HEAR FROM YOU.** This is our last chance. If we don't show there is public opposition to the radio portions of S. 2575, the bill will probably become law by the end of the year.

"Call, telegraph, or send a mailgram to your Senator as soon as you get this. Express your views. **Otherwise, you could soon be exposed to federal criminal and civil liabilities merely by using a scanner.**"

Admittedly, *SPEEDY* has little to do with scanners directly. But if one radio service (the cellular phone industry) is allowed to insure the privacy of its type of communications through criminal penalties, how many other radio services will demand equal treatment? This could be a dangerous precedent about to be set, and I encourage you to take the short time necessary to write your Senators today!

PUBLISHER'S NOTES I need to ask every member of *SPEEDY* to bear with me for the next few months. As I mentioned a few months back, I recently graduated from college with a cartography degree. Unfortunately, there isn't much call for map-makers in the central Michigan area these days, and my job hunt has been fairly unproductive. So, although we don't want to leave this area, Doreen and I must begin to look anywhere and everywhere for new jobs. (I am working part-time at a radio station in Clare, and if that becomes full-time sometime soon, we'll stay.) If it becomes necessary for me to move, I will  
... Up Front continues on page (50)

# SPEEDX SPOTLIGHTS

## THESE SPECIAL DX'ers and SWL's David Sharp, Editor

Welcome again to Spotlights. This month, hats-off to 5 new FM'ers.....

TIM BALDWIN.....NY  
STEVE BALT.....IL

NELSON GEORGE.....NC

LOUIS PHILLIPS...PA  
STEVEN WALLEY....CA

Congratulations again to our "Fantastic Five." All of you have done well by supporting the magazine, so our sincere thanks!

This month, we welcome twenty-three new and rejoining members to SPEEDX !

John Kuklewicz  
Sunnyvale, CA  
ICF-2010

Kenneth Hill  
Somerville, MA  
DX-1000

Marc Cataldo  
Cleveland, OH  
DX-400

Ernie House  
Mountain View, CA

Brad Cook  
Seattle, WA

Tom Fleming  
Sarasota, FL

Robert Evans  
Don Mills, ONTARIO

Eric Cottrell  
Lynn, MA

Mike Krebs  
Welland, ONTARIO

Henry Winans, Jr.  
Dallas, TX  
Collins KWM380

Robert Doyle  
Shelton, CT  
R-2000

Joe Allen  
Boca Raton, FL  
ICF-2010

Sheldon Harvey  
Greenfield Pk, QUEBEC

Lynn Burke  
Newport News, VA

Neil Greenidge  
Bronx, NY

Betsy Robinson  
Clinton, TN

Pierre Theze  
Paris, FRANCE

Mark Helfen  
Foster City, CA

Edward Kusalik  
Coaldale, ALBERTA

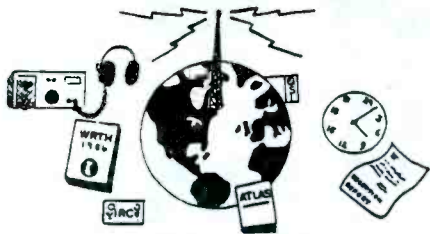
Michael Curotto  
San Francisco, CA

William A. Miller  
Elk Grove, CA

George Scott 3rd  
A.P.O.  
San Francisco, CA

Robert Green  
Framingham, MA  
NRD-525

Welcome again to our new and rejoining members. We certainly hope you'll enjoy each and every issue of SPEEDX, and we cordially invite you to become a part of SPEEDX by contributing to your favorite columns. If you so desire, submissions may be made to individual editors by the 12th of each month, or, you can save some postage and send everything to Central Distribution Editor Peggy Thompson (address on back cover) by the fifth of the month. She'll organize your contributions and forward them to appropriate editors. Which ever route you choose, we hope to hear from you in coming months. We continue on the next page with DX Montage. Keep readin'!



# DX Montage

The Feature Pages of SPEEDX



David Sharp

NEW ADDRESS:

3024 Gates Drive, Apt. #358

Tampa, FL 33613

SEPTEMBER, 1986

First of all, NOTE NEW ADDRESS! Please, until further notice, send all contributions and correspondence to my new Tampa QTH. For our newer members, a little about your editor: I am 20 years old, and have been editing DXM for over three years. I began DXing in 1976, and joined SPEEDX in the beginning of 1982. I've been working in radio since I was 13, and am currently employed as evening air personality at WPLA here in the Tampa Bay Area. Not to "toot my own horn," but WPLA, since my arrival, has finally gotten ratings in the evening. By the way, my main interest currently is QSL'ing stations, and I have over 150 countries verified. My best verification is the famed ZOE in Tristan da Cunha. Really! Any of you who would like a xerox of the card, plus the personal letter I received from Tristan, send me a SASE and I'll do the rest....Onward with our 4th Annual SPEEDX Shortwave Popularity Poll...

\*\*\*\*\*

I N T R O D U C T I O N: This poll is designed to reflect current trends in shortwave listening. The results are sent to various radio stations, with the hope the information will be of use to them. This year, 88 SPEEDX members took part in the poll.

I N T E R N A T I O N A L  
S H O R T W A V E S T A T I O N S:

Number of members voting...88  
Total Number of votes.....420

- |                                 |                                |
|---------------------------------|--------------------------------|
| 1. Radio Australia....50 votes. | 4. BBC.....36 votes.           |
| 2. Radio RSA.....42 votes.      | 5. HCJB.....35 votes.          |
| 3. Radio Netherlands..40 votes. | 6. Deutsche Welle....32 votes. |

Thirteen stations divided the remaining 185 votes.

T R O P I C A L B A N D S  
S H O R T W A V E S T A T I O N S:

Number of members voting...49  
Total Number of votes.....111

- |                                 |                                |
|---------------------------------|--------------------------------|
| 1. ANO, Gabon.....29 votes.     | 4. SWABC, Namibia....9 votes.  |
| 2. R. Sutatenza, Col..20 votes. | 5. R. Andina, Peru...7 votes.  |
| 3. VLM4, Brisbane.....10 votes. | 6. NBC, Pt. Moresby...5 votes. |

Twenty-six stations split the remaining 31 votes.

F A V O R I T E  
P E R S O N A L I T I E S:

Number of members voting...40  
Total Number of votes.....103

- |  |                                |
|--|--------------------------------|
| 1. Jonathan Marks.....20 votes.<br>Tom Meyer.....20 votes. | 3. Shirley Veal.....13 votes.  |
| 2. Kathy Fitch.....15 votes.                               | 4. Larry Wayne.....11 votes.   |
|  | 5. David Sharp (!)....8 votes. |

Five other personalities split 16 remaining votes.

On the next page, our survey continues with a listing of the most popular programs on shortwave radio. By the way, my apologies to the membership; I had originally scheduled to have the Popularity Poll results in October, but, due to my recently chaotic schedule, I was left with no alternative but compile the results this month....ds.



FAVORITE PROGRAMS:

Number of members voting...48  
Total Number of votes.....99

- 1. Happy Station.....36 votes.
- 2. P.O. Box 4559.....20 votes.
- 3. VOA Jazz Hour.....9 votes.

- 3. Media Network.....9 votes.
- 4. Passport.....7 votes.
- 5. Main Rds & Byways..4 votes.

(If you've never heard of "Main Roads and Byways," it's carried via the Voice of Free China.) 14 remaining votes were split between 9 programs.

MOST RELIABLE NEWS:

Number of members voting...28  
Total Number of votes.....52

- 1. BBC.....8 votes.
- 2. Voice of America....7 votes.
- 3. Radio RSA.....5 votes.

- 4. Radio Canada.....3 votes.
- 5. Radio Australia....2 votes.
- AFRTS.....2 votes.

25 votes were split among 18 other nominations.

BEST INDIGENOUS MUSIC:

Number of members voting...40  
Total Number of votes.....96

- 1. Radio Tahiti.....30 votes.
- 2. HCJB.....21 votes.
- 3. Radio Tirana.....12 votes.

- 4. Radio Pyongyang...8 votes.
- 5. R. Tachira, Ven....6 votes.
- 6. ANO, Gabon.....5 votes.

Various other stations split 14 remaining votes.

MOST ATTRACTIVE VERIFICATION CARDS:

Number of members voting...24  
Total Number of votes.....53

- 1. Radio RSA.....10 votes.
- 2. HCJB.....9 votes.
- 3. HRVC, Honduras.....6 votes.

- 4. BRT.....4 votes.
- Radio Moscow.....4 votes.
- Radio Australia....4 votes.

14 other nominees divided 16 votes.

ODDS 'N' ENDS: Just like last year's survey, this one has yielded some interesting facts. For example, almost one-quarter of members taking part in the poll indicated their main interest was QSL'ing. Hard-core DX'ers and casual program listeners were almost even, with each group having about 50% of replies. Like last year, ECNA DX'ers, overall, go after African and Middle East tropical stations, while WCNA DX'ers placed an emphasis on Asian and Pacific tropical stations. Both groups seemed to have an equal preference for tropical stations in Latin America. And finally, to nobody's surprise, the most popular religious station is still HCJB.

Thanks again to the many members, who made our survey a success. I hope you found the results interesting and informative....ds.

\*\*\*\*\*

Threat to Turn RFI Into 'Government Mouthpiece': The setting was the annual luncheon on May 22 organized by the Association of Diplomatic Correspondents in Paris. Prime Minister Chirac was in ebullient form and willingly fielded questions on all the world's hot spots. It was the first time since becoming Prime Minister that Chirac had faced journalists this way. Then a journalist for Radio France International got up, identified himself, and inquired about relations between France and French-speaking countries in Africa. The question was innocuous, and so was the answer. Then suddenly the Prime Minister launched into a veritable indictment:

"...I sometimes read or hear, including on your station (RFI), appraisals and views which — quite apart from the harm they do to these countries, the harm they do to France — are utterly erroneous and most of all unfair, in so far as they indicate an extraordinary lack of understanding of the situations and the psychology of nations and pass judgment on the sole basis of yardsticks used by pampered brats..." There was a chilly silence, and nobody doubted that the knives were out for RFI.

There have also been violent letters from French citizens addressed to the Prime Minister, complaining about RFI. The letters have put station staffers in a state of shock, for none of them had been expecting this blow.

RFI was said to be on an even keel, well-knit and coming out on top. Since 1983, a five year plan has steadily propelled it from the 28th to the 9th spot among world radios for shortwave broadcasts. RFI correspondingly considered itself safe from attack.

The station's journalists are particularly worried about 3 clauses in a government bill on radio and television reform. Giving government control over RFI, the clauses appear to be intended to turn RFI into "the (French) government's creature and mouthpiece." Since March 16, Chirac has received fiery letters protesting against the "mediocre quality of the news bulletins," denouncing a "leftist" journalist and even complaining (a letter from Mexico) of RFI's silence concerning an aircraft accident in which 5 French nationals lost their lives in March. Yet investigations have shown that this news item was in fact covered in a score of RFI broadcasts in French, Spanish and Portuguese.

"The situation is intolerable," said a station official. "The younger journalists are stunned, traumatised and chafing to react, while their elders recall the days, not so long ago, when a representative of the gov't foreign office would come round and sit in on editorial conferences or actually take part in broadcasts....."

But enough of this pessimism, the real question is something else again. What does the government want to do with RFI? What idea does the ruling Majority have of a national radio service broadcasting to listeners abroad? Is it to be a militant radio, a propaganda voice, or honest and credible like the BBC? "The government would appear to be tilting toward the former model," noted a station commentator. "We're fighting for the latter. But if they make us change our line, then the credibility which has been built up over three years will collapse in a matter of 3 weeks. We're neither government servants nor mercenaries...."

RFI journalists cling tenaciously and revel in the credibility argument. It has been responsible for their recent success, as is shown in studies and polls conducted among listeners. Little known among the French public itself, RFI is one of the most productive and most surprising of the publicly-owned enterprises in the present broadcasting system. It's heard in Chile. People listen to it in secret in Romania. It's spoken of everywhere in Africa. It broadcasts in English, Russian and Serbo-Croat. And it is planning to celebrate Christmas in Vietnam. (A reference to a planned Vietnamese service at RFI. ds.) (From an article by Annick Cojean in "Le Monde" of Paris, France. Submitted by Robert Margolis-IL.)

Good News From Radio Botswana: According to Radio Netherlands' Media Ntwk program on 7-31, Radio Botswana will now verify correct reception reports. Return postage is required. (Thanks to Ed Soomre-MA for passing along the great news! No doubt their post box will be overflowing! ds.)

As you may have heard...AWR Latin America has built a new SW station in Costa Rica. What follows is a letter from station manager/chief engineer David Gregory, in response to a reception report from Marc Schlossman-CA:

"The test transmissions you heard were the first from our new xmTR... the output power of the transmitter was between 1000 to 1250 watts. Most of the reports we received were at the 1000 watt level. The station has almost completed the adjustments to the final section of the transmitter and remote control, and we hope to sign-on on a permanent basis shortly."

"We have two 5000 watt transmitters of local design, and were built by the company called Consasa. The engineer never completed the transmitters and were delivered as-is, so the transmitters have been largely rebuilt in the process of testing. We are using a five element yagi antenna with 12dB of gain to bring ERP to a little over 80,000 watts."

"Several (listeners) have requested banners and the like. These are still under consideration as to the design so we invite you to continue listening in order to know when we have them ready. It is also planned to have a series of QSL cards on the symbols and emblems of Costa Rica and Guatemala...." (Thanks to Marc for sending this in. Check Carl Huffaker's excellent column for developments with AWR Latin America. ds.)

New From SPEEDX is the SPEEDX Pennant. 5" by 12" size felt. Gold base color with SPEEDX logo, SPEEDX name and "since 1971 the dx club for active shortwave listeners" printed thereon in Royal Blue. It'll dress-up any DX den! Cost in NA, first class mail, is US \$4.00. Cost in the rest of the world, airmail, is just US \$5.00. Order yours today from club headquarters in Tucson and show your SPEEDX colors today! (Via Prez. Sanderson-AZ)

# dx montage's **CONTEST PAGE**

If you read last month's Contest Page, you know I've been wanting input on a possible all-band DX contest. Responses have been favorable, so sometime during the next couple of months, expect to find rules and other pertinent information here. Special thanks to Gary Stone-WA for suggesting this contest idea!

Pin the Tail On Ye Ed: For the past couple of months, I've been wanting to know the call letters and location of Florida's oldest radio station. Congratulations to our super sleuth, Donald Weber-OH. He knew the station is WDAE in Tampa on 1250 kHz. For his correct answer, Don will be getting some postcards of the Tampa area. With his entry, Don mentioned that he thought WDAE, at one time, had been on 1220, but my information indicates they've always been on 1250. Several years ago, a book was written about WDAE, to celebrate their 50th anniversary. The exact title escapes my mind at present, but if you live near a large library, look in the card catalogue under pioneer radio, and you may be able to find it. We'll resume with this contest next month.....ds.

Geography Quiz: Our mystery country for last month was Biafra. Jack Heaton of Largo, FL knew the answer, and will be getting a pamphlet from headquarters soon. Now, our country description for September: Location:Asia. Ethnic Groups: Chinese, Thais, Malays, Khmers, Soais, Karens, Indians. Population: 48,500,000. Religion: Buddhists, Moslems, Christians. Geographic Neighbors: Burma, Laos, Kampuchea, Malaysia. Area: 198,455 sq. mi, three-fourths the size of Texas. Languages: Thai and Chinese. Topography: A plateau dominates the NE third of the country, dropping to the fertile alluvial valley of the Chao Phraya River in the center. Forested mountains are in the north, with narrow, fertile valleys. The southern peninsula region is covered by rain forests. Radios in use: 7,200,000. TV's in use: 3 mil'n. History: This country is the only one in SE Asia never taken over by European powers, thanks to King Mongkut and his son King Chulalongkorn, who ruled from 1851-1910. This country underwent a bloodless revolution in 1932, which established a limited monarchy. Troops from this country fought in the Vietnam War; the military gained control of the government in 1976 after a bloody coup. Foreign investment is now encouraged in this country. All correct entries received by the 12th are eligible for a random drawing.... winner will get some SPEEDX stick-on logos.....

Language ID: Our language last month was Italian. Congrats to Don Weber-OH who'll be getting a nice prize. This month, the words to our language are: cot, ascensor, inginer. Our language for this month is Eastern European; Identify it and receive a SPEEDX bumper sticker.

Foreign Competition: Which religious organization had its programs broadcast via Radio Andorra on shortwave? Correctly identify the organization & win a Guide to Soviet Radio. Deadline for this contest only will be November 12th. This contest is only open to those members residing outside the U.S.A. and Canada.....ds.

I'd like to end this month's column by thanking people who've written in: Michael Winiarz writes from Montreal, and comments during July, they had near 100° heat...sounds like FL! Also from Canada writes William Westenhaver, who says he hopes all hurricanes steer clear of my QTH this year..... Steve Balt also sent a great (and lengthy) computer-generated letter, & he claims to be the only DX'er in Oswego, IL (I was the only DX'er in Lutz until I moved to Tampa, so I know how it feels). Finally.....thanks to Ron Trotto and Dave Klopfenstein for their phone calls. A pleasure, guys! Next month in DXM, many of your contributions. Without your support, I couldn't fill these pages.....cheerio until next month, and 73s!

CRACKER COUNTRY: Any SWBC station that doesn't give their time checks in GMT/UTC is probably DX.....



DXM #40



# Local Chaps

Peggy Thompson  
 2706 Alabama St.  
 La Crescenta, CA 91214-2925

Are there several DXers in your area? Why not start a SPEEDX Local Chapter? It's easy and fun. You'll enjoy monthly meetings, DX-peditions, fellowship, sharing tips and swapping gear. Write me for the details.

Here's what our Local Chaps have to offer:

**ROCKY MOUNTAIN LISTENERS**

Pres. Wayne Heinen  
 4131 South Andes Way  
 Aurora, CO 80031

Monthly newsletter  
 next GTG: SEPT. 20 1:00 PM  
 3031 W. 76th Ave.  
 Westminster, CO

\*\*\*\*\*

**CHESAPEAKE CHAPTER**

Pres. John Cereghin  
 6812 Pickett Drive  
 Morningside, MD 20746

4-6 page CHESAPEAKE DXER monthly

\*\*\*\*\*

**TIDEWATER SW ASSOCIATION (Old Dominion DX club)**

Pres. Lynn Burke  
 285 Westwind Drive  
 Newport News, VA 23602

ODDX Newsletter  
 DX-peditions  
 GTGs third Sunday of each month

\*\*\*\*\*

**FLASDX (FL Ass'n of DXers)**

Pres. David Sharp

This is our only State wide group. It is temporarily on vacation while David is moving and getting resettled. Watch his column for a new QTH.



## SPEEDX LOCAL CHAPTERS

**PURPOSE:** To further enhance the enjoyment of our hobby, SPEEDX is making provision for the establishment of local chapters of SPEEDX members. Through a local chapter, SPEEDX members will be able to exchange hobby information, make personal contacts, engage in social activity involving the hobby, participate in chapter competitions, and, in general, further their participation in our hobby.

### **THE LOCAL SPEEDX CHAPTER:**

- a. Local chapters shall be based on geographical areas. In general, only one local chapter shall be allotted a given geographical area. SPEEDXers requesting a charter for a local chapter shall specify the geographical area in their Charter Application. The SPEEDX Board of Directors approval of the local chapter's charter shall be approval of the geographical area for the chapter.
- b. The local chapter shall select the chapter's name. That name shall be included in the Charter Application. The BOD approval of the local chapter's charter shall be approval of the name of the chapter.
- c. To submit an application for a charter for a local SPEEDX chapter, a minimum of THREE members of SPEEDX in good-standing must agree to form such local chapter. At no time shall chapter membership be less than THREE members of SPEEDX in good-standing or the chapter shall be deactivated by the BOD.
- d. When a local chapter is officially chartered by the SPEEDX BOD, ALL members of that local chapter MUST thereafter be SPEEDX members in the any of the authorized membership categories. SPEEDX membership application forms and/or renewal forms shall be annotated by each SPEEDX member with the name of his/her local SPEEDX chapter when he/she is such a member. Additionally, local chapter member names shall be included on the various chapter reports submitted to HQS for the BOD.
- e. To assist local chapter SPEEDX members in attaining SPEEDX Full Member status as currently provided for in SPEEDX policy, the following point system is established: Membership in a local chapter, 3 points annually; officer in a local chapter, 1 point for each month in position; attendance at a local chapter-sponsored event, 1 point per event. The SPEEDX BOD shall broaden this point system for the local chapter concept as experience dictates.
- f. The local chapter shall develop its own By-Laws. Such By-Laws shall not be in conflict with the SPEEDX Constitution.
- g. The local chapter shall communicate with its chapter members by an appropriate means including, but not limited to, regular meetings, personal contact, social events; electronic means; postal including chapter round-robin letters, newsletters and the like.
- h. The local chapter shall appoint/elect a Chapter Secretary who shall correspond with SPEEDX HQS and the BOD on local chapter matters such as reports and forms.
- i. The President of the SPEEDX BOD shall appoint a Chapter Advisor for each local chapter. That Chapter Advisor shall be a current member of the SPEEDX BOD and/or SPEEDX staff.
- j. When a local chapter is established in a particular geographical area, all SPEEDX members in that area shall be requested to the join the local chapter. No SPEEDX member shall be required to join the local chapter, however.
- k. Each local chapter shall be responsible for financing its local activities.

### **STEPS IN APPLICATION FOR A LOCAL SPEEDX CHAPTER CHARTER:**

- a. Interested SPEEDXer informs SPEEDX HQS, 7738 East Hampton Street, Tucson, Arizona, 85715, of his/her desire to form a local SPEEDX chapter.
- b. SPEEDX HQS sends Local Chapter Application Form and roster of current SPEEDX members in the geographical area under consideration to requestor.

- c. Local SPEEDXers complete Local Chapter Application Form and return to SPEEDX HQS.
- d. SPEEDX HQS verifies information on Local Chapter Application Form and circulates to SPEEDX BOD with recommendation for approval/disapproval.
- e. When SPEEDX BOD approves Local Chapter Application Form, SPEEDX HQS issues Charter to local chapter.
- f. Local chapter secretary completes Chapter Report Form each six months and submits to SPEEDX HQS and to Chapter Advisor.



**SPEEDX PENNANT.**

"Show your colors" with a SPEEDX pennant. 5" by 12" size felt. Gold base color with SPEEDX logo, SPEEDX name and "since 1971 the dx club for active shortwave listeners" printed thereon in Royal Blue. Cost in NA, first class mail, is US \$4.00. Cost in the rest of the world, airmail, is US \$5.00.

Order from SPEEDX HQS in Tucson AZ.

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S P E E D X A N N U A L F I N A N C I A L R E P O R T ( F Y 8 6 )

THIS IS A SUMMARY OF THE SPEEDX ACCOUNT FROM 1 JULY 1985 TO 30 JUNE 1986 INCLUSIVE. A MORE DETAILED FINANCIAL REPORT IS SENT TO EACH BOARD OF DIRECTORS MEMBER EACH MONTH.

Balance on hand 1 July 1985.....\$3409.53

Receipts	Prepaid Subscriptions	\$6277.27
	Prepaid Renewals	10791.46
	Supplies	4629.61
	Miscellaneous	120.35
	<b>Total Receipts</b>	<b>\$21818.69</b>

Disbursements	Publish 12 Issues	\$11530.86
	Postage 12 Issues	6569.73
	HQS Postage	1681.08
	HQS Supplies & Printing	1635.86
	Miscellaneous	604.88
	<b>Total Disbursements</b>	<b>\$22022.41</b>

Balance on hand 30 June 1986.....\$3205.81

I certify this summary of the SPEEDX account is true and accurate to the best of my knowledge.

*Jack Sanderson*  
 Jack Sanderson - Treasurer

\*\*\*\*\*



# PROGRAM PANORAMA

9/86

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

CONTEST...What better way to usher in the Fall than with the Program Panorama Fall Fest? This exciting contest will take place from September 1-December 15, 1986. Grand prize is a Voice of America pennant. Three prizes of VOA stickers will be awarded monthly, and the first 20 participants will receive a blank Red Cross Broadcasting QSL card just for taking part. To enter, you should send in your comments on why you like or dislike a certain shortwave station or program. Comments should be 50-100 words in length. There's no limit to the number of comments that you can send in--each comment will count as a separate entry. Prizes will be selected by random drawing. A VOA sticker will be given away on October 15 (for entries received by that date), November 15 (for entries received from October 16-November 15) and December 15 (for entries received from November 16-December 15). On December 15, the winner of the VOA pennant will be drawn from all entries received during the contest (including sticker winners). The Editor is the final judge of the contest. So now it's up to you. Let's have some fun--and learn what stations and programs you like and don't like on shortwave. Remember the deadlines and good luck!

LAST MONTH'S COLUMN...on the decline of club membership prompted a lengthy response from SPEEDXer Dr. Stevan Davies of PA. We'll look at Steve's comments in next month's column.

THE 1986 ANARC CONVENTION...was an exciting event. Hopefully, my comments on the convention will appear elsewhere in this month's bulletin. Lots of information useful to the column was obtained in Montreal, as well as the prizes in the Fall Fest contest. Here's a sample of info:

CHINA(REF.)...The Voice of Free China in English: 0200-0300 UTC: Daily begins with NEWS & COMMENTARY, ends with LET'S LEARN CHINESE, with these programs sandwiched in: Sun MAIN ROADS & BYWAYS, MAILBAG TIME; Mon JOURNEY INTO CHINESE CULTURE, COUNTDOWN; Tue SPECTRUM, SPOTLIGHT; Wed TAIWAN ECONOMIC REPORT, JADE BELLS & BAMBOO PIPE; Thu CHINESE STORY, A LOOK INTO CHINESE HISTORY; Fri THINGS CHINESE DO & SAY, CHINESE MUSIC; Sat PEOPLE AT WORK, ROC TODAY. North American frequencies are 9680 and 5985. Others are 11825, 11745, 11740, 9765, 9685. Next month, 0300-0400.

UNITED KINGDOM...BBC World Service for September: NATIONALISM is explored Sun 2330, Mon 0630, 1000, 1515 UTC...WOMEN AT THE TOP can be heard Fri 1445, Sat 0745, 2315, Mon 0530...STATE OF THE NATION looks at a range of issues facing Britain. Tune in Wed 2030, Thu 0230, 1130, 1615 UTC...A new series of stage plays GLOBE THEATRE debuts with "The Seagull" and can be heard Sun 1330, 1830, Mon 0030 UTC. Other plays are "All My Sons"(14th) and "The Miser"(28th). (London Calling, 9/86)

USA...KCBI, Dallas broadcasts ISSUES OF THE '80's on Fri 1705-1800 UTC on 11735 kHz. The program is hosted by Johanna Fisher and Dr. Richard Lamb of Criswell College. (Don McCants, AL)

Let's have a lot of entries for the Fall Fest. See you next month! w s

# Station Skeds

DEGREES OF AZIMUTH

TIMES (UTC)

EDITOR:

FREQUENCIES

LANGUAGES

Ralph S. Bowden  
1255 Amethyst Street  
Space 30  
Mentone, CA 92359

RELAY SITES

TARGET AREAS

POWER (kW)

AFGHANISTAN: R. AFGHANISTAN, KABUL,  
EXTERNAL SERVICE, CURRENT SCHEDULE:

		LANG.	TARGET
0900-1030	17785	PS/DR	SEAsia
0900-1030	9605	"	SAsia
1000-1230	5025	"	WAsia
1230-1630	11820	"	SAsia
1430-1700	6125	"	WAsia
1630-1930	6100	AR	SAsia
1700-2000	11845	PS/DR	Eur, Naf
1730-2000	9635	EG	Eur
0130-0430	9605	PS/DR	WAsia
0130-0430	9635	"	ME/WAsia
0130-0430	9605	"	WAsia
0130-0200	7200	PT	ME/WAsia
0130-1700	6125	PS/DR	WAsia

(DIRECT, RAF, INCOMPLETE.)

ALGERIA: RADIODIFFUSION-T.V.,  
ALGERIENNE, ALGER, SHORTWAVE SCHEDULE:

		LANG.	TARGET
1030-1100	9685	FR	Eur
1100-1455	9535	SP/EG	Af
1600-0130	15215	FR/SP	SAm
0500-2200	7245	AR	Af
0500-1800	9510	FR/SP	Af
0500-0000	9685	FR	Eur
0500-2100	11715	AR	"
0500-2200	15370	AR	ME
0600-2230	6160	AR	Af
0600-1000	15215	FR	SAm
0600-1800	6145	AR	ME

(INDIRECT, RA, INCOMPLETE.)

BULGARIA: R. SOFIA, CURRENT SHORTWAVE  
SCHEDULE, BEAMED TO AMERICAS:

		LANG.	TARGET
0000-0025	15330, 11720	EG	
0000-0100	15370, 15310, 11870, 11765	PT	
0100-0200	15370, 15310, 11870, 11765	SP	
0300-0400	7115	EG	
0400-0500	9745	SP	
2030-2100	15310, 11850	"	
2100-2130	15370, 15310, 11870, 11765	EG	
2130-2210	15310, 11720	"	
2130-2200	15370, 15310, 11870, 11765	PT	
2230-2330	15330, 11720	EG	
2230-2330	15370, 15410	SP	

(EXTRACTS: BBC, MS, WBI, 5-20-86.  
ALSO, C. Weiss, OH.)

CUBA: VOICE OF CUBAN INDEPENDENCE AND  
DEMOCRACY (CLANDESTINE):

		LANG.	TARGET
1200-1345	11680	SP	CAm
0000-0300	7352	"	"
0000-1300	6305,	"	"
	7400	"	"

(INDIRECT, OCN, GD, 5-86.)

CZECHOSLOVAKIA: R. PRAGUE, BROADCASTS  
BEAMED TO NORTH AND SOUTH AMERICA:

		LANG.	TARGET
0000-0030	11990, 9740, 7345, 5930	PT	
0030-0100	11990, 9740, 7345, 5930	CZ	
0100-0200	11990, 9740, 9630, 7345, 5930	EG	
0200-0300	11990, 9740, 9630, 7345, 5930	SP	
0300-0400	11990, 9740, 9630, 7345, 5930	EG	
1400-1430	21505, 17440, 17705, 15110, 13715, 11990, 9740, 7345	CZ	
2130-2200	11990, 9740, 9630, 7345, 5930	PT	
2200-2230	11990, 9740, 9630, 7345, 5930	CZ	
2230-2300	11990, 9740, 9630, 7345, 5930	PT	

(EXTRACTS: BBC, MS, WBI, 5-16-86.)

GREECE: GREEK RADIO-T.V., ATHENS,  
BROADCASTS BEAMED TO NORTH AMERICA,  
LATEST INFORMATION:

		LANG.	TARGET
0000-0150	9420, 9395, 7430	GR/EG	
0200-0350	9420, 9395, 7430	"	
1200-1250	17565, 15630, 11645	"	
1500-1550	17565, 15630, 11645	"	

(DIRECT, GRIV, EXTRACTS. ALSO,  
S. George, MA.)



IRAQ: THE VOICE OF IRAQI PEOPLE  
(CLANDESTINE):

	LANG.	
1200-1330	6356	AR
1600-1700	7860	"
0400-0550	6356	"

(INDIRECT, CCN, GD, 5-86.)

LEBANON: VOICE OF HOPE INTERNATIONAL  
RADIO NETWORK, SHORTWAVE SOUTH LEBANON  
(COMMERCIAL, CHRISTIAN), S-86 SCHEDULE:

	LANG.	TARGET	
1000-1430	5215	AR	ME
1430-1600	6280	EG	ME/India
1600-1830	6280	RS	ME/USSR
1830-1900	6280	GM	Eur/USSR
1900-2000	6280	FR/SW/HG	
		SC/UK	Eur
2000-2300	6280	EG	"
0300-0600	6215	AR	ME
0600-1000	6215	EG	"

(DIRECT, 6-26-86, also D. McCants, AL.)

MONGOLIA (PEOPLE'S REPUBLIC): R. ULAN  
BATOR, CURRENT SCHEDULE, ALL ZONES:

	LANG.	TARGET	
0950-1025	12015, 9615	MG	Asia
1025-1055	12015, 9515	CH	"
1030-1100	11815, 7162, 4995, 4895, 4865, 4850, 4830, 4080, 3960	RS	Eur
1055-1130	12015, 9615	MG	Asia
1130-1200	12015, 9615	CH	"
1200-1230	12015, 9615	EG	Austr
1255-1330	15305, 9575	"	"
1330-1400	15305, 9575	CH	Asia
1400-1430	15305, 9575	MG	"
1445-1520	12015, 9575	EG	Austr
1930-2005	15305, 7235	"	"
2100-2130	12015	CH	Asia
2130-2200	12015	MG	"

(EXTRACTS: BEC, MS, WBI, 6-13-86.  
Also, DIRECT, RUB, COMPLETE.)

NEW CALEDONIA (FRENCH): RFO NOUMEA,  
CURRENT SCHEDULE:

	LANG.	
1900-1300	7170	FR

(DIRECT, RNNC, COMPLETE.)

NEW ZEALAND: R. NEW ZEALAND, WELLINGTON,  
CURRENT ENGLISH LANGUAGE SCHEDULE:

		TARGET	
1030-1200	6100, 9620	Austr	"
1200-1215	6100, 9620	"	"
1830-2000	11780, 15150	Pacific	"
2000-2115	11780, 15150	"	"
2345-0000	11780	Austr	"
2345-0000	15150	Pacific	"
0000-0145	11780	Austr	"
0000-0145	15150	Pacific	"
0345-0400	9820	Austr	"
	11780	Pacific	"
0400-0730	9620	Austr	"
	11780	Pacific	"

(INDIRECT, RNZ, PARTIAL.)

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GENEVA, WI 53147 FROM CLANDESTINE CONFIDENTIAL NEWSLETTER: "CCN, GD, [DATE] \* \* \*"

NORWAY: R. NORWAY INTERNATIONAL, OSLO,  
BROADCASTS BEAMED TO NORTH AMERICA, S-86  
SEASON, NORWEGIAN/ENGLISH LANGUAGES:

	AZ.	TARGET	
1200-1245	15305	275	ECNA, Cam
1300-1345	15305	300	NAm
1400-1445	15305	300	"
1500-1545	15305	280	ECNA, Cam
		9590	330
		11850	320
1600-1645	11850	320	"
1700-1745	15305	290	ECNA, Cam
1900-1945	11850	275	"
2300-2345	9605	290	"
0100-0145	6010	275	"
0200-0245	6010	300	NAm
0300-0345	6010	275	ECNA, Cam

(DIRECT, RNI, PARTIAL. D. Sampson, WI.)

POLYNESIA (FRENCH): RFO TAHITI, PAPEETE,  
FRENCH AND TAHITIAN LANGUAGES, S-86:  
1600-1000 6135, 11825, 15170  
(DIRECT, RFOT, COMPLETE.) R. Lunsford, CA.

PORTUGAL: R. RENASCENCA, LISBON, CURRENT  
SHORTWAVE SCHEDULE, PORTUGUESE LANGUAGE:

	DAYS	
0950-1200	9575	7
1400-1800	9680	67
1800-1900	9680	1234567
1900-2000	9680	7
0030-0230	9600	1234567

(COMPLETE: BEC, MS, WBI, 5-23-86.)

ROMANIA: R. BUCHAREST, CURRENT ENGLISH  
LANGUAGE SCHEDULE, ALL ZONES:

		TARGET	
1200-1225	9530, 11740, 15345	Asia	
1300-1325	9690, 11940, 15240	Europe	
1500-1525	9690, 11775, 11940,	Asia	
	15250, 15335		
1730-1755	7145, 9640, 9690,		
	11630, 11685	Africa	
1930-2025	7145, 9690, 9750,		
	11940	Europe	
2100-2125	6055, 7145, 9690	"	
0200-0255	5990, 6155, 9510,		
	9570, 11810, 11940	NAm	
0400-0425	5990, 6155, 9510,		
	9570, 11810, 11940	"	
0530-0555	7145, 9640, 9750,		
	11840, 11940, 15345	Africa	
0645-0715	11810, 11940, 15250,		
	15335, 17790, 17805	Pacific	

(INDIRECT, RBR, PARTIAL.)

SOUTH AFRICA: RSA, OR VOICE OF SOUTH  
AFRICA, JOHANNESBURG, ENGLISH LANGUAGE  
SCHEDULE VALID UNTIL NOVEMBER 1, 1986:

		TARGET	
1100-1156	17780, 11900, 15220	ME, UK	"
1300-1556	17780, 15220, 7270	"	"
2100-2156	9685, 7270, 5980	WAF,	"
0200-0256	9615, 6010, 5980	USA/Can	"
0300-0426	9585, 4990, 7270		
	3230, 5980	C&SAF	
0630-0730	11900, 7270, 9585	UK	

(DIRECT, RSA, D. Lehman, MA. D. Sheedy,  
CA. S. Paszkiewicz, WI. J. Somers, CA.)

G. Romanin, Italy.

TURKEY: THE VOICE OF TURKEY, ANKARA,  
ALL LANGUAGES, ALL ZONES, CURRENT  
SHORTWAVE SCHEDULE:

		LANG.	TARGET
0900-1000	15160	TK	Af
0900-1000	15285	AR	ME
1000-1450	15285	TK	"
1030-1100	9670	RM	Eur
1100-1230	9670	AB	"
1000-1030	9670	BG	"
1200-1230	9670	BG	"
1230-1300	15255	BG	ME
1300-1330	15255	UR	"
1400-1430	17880	CH	Asia
1400-1500	15160	TK	Af
1430-1500	11815	RS	Asia
1500-1550	11905	AR	ME
1700-2050	5980	TK	Eur
1700-1750	9640	AZ	Asia
2200-2300	17725	EG	"
2200-2250	9535	EG	ME
2200-2300	9560	EG	NAm
2300-0300	17725	TK	Asia
2300-0200	9560	TK	NAm
0300-0350	9615	AZ	Asia
0300-0400	17725	EG	"
0300-0350	11780	AZ	"
0400-0850	15405	TK	"
0400-2150	15220	TK	Eur
0400-0850	11860	TK	Asia

(INDIRECT, GP, COMPLETE.)

U.S.A.: KVOH, VOICE OF HOPE INTERNATIONAL RADIO NETWORK, VAN NUYS, CA., S-86 COORDINATED TENTATIVE SHORTWAVE SCHEDULE:

		LANG.	AZ.	ZONE
1400-1700	11940	EG	100	10-12
1700-2200	17775	"	"	"
2200-0100	15250	"	"	"
0100-0300	11930	"	"	"
0500-0600	9525.5	"	"	"
0600-0800	6005	"	"	"

(DIRECT, KVOH, 6-26-86,

Also, D.McCants, AL.)

U.S.A.: WRNO WORLDWIDE, NEW ORLEANS, LA., CURRENT SHORTWAVE SCHEDULE:  
MONDAY THROUGH SATURDAY:

1500-1700	11965	EG
1700-2100	15420	"
2100-2230	11705	"
2230-0000	9852.5	"
0000-0300	7355	"
0300-0500	6185	"

SUNDAY ONLY:

1200-1400	9715	EG
1400-1700	11965	"
0500-1200	6185	"

(DIRECT, WRNO, COMPLETE.)

U.S.A.: WMLK, ASSEMBLIES OF YAHWEH, BETHEL, PA., ENGLISH LANGUAGE, S-86 AND EARLY D-86:

		ZONAL TARGETS
1700-1900	9455	27, 28, 39
0400-0600	9455	27, 28, 39

(DIRECT, WMLK, 6-23-86.)

U.S.S.R.: R. STATION SOVIET BELORUSSIA, MINSK, BELORUSSIAN S.S.R., J-86 SCHEDULE:

		LANG.	TARGET
1700-1750	11870, 9560		
	7330, 7175	BL	Europe
2030-2100	11870, 7205		
	6185	BL	"

(DIRECT, RSSB, COMPLETE.)

VIETNAM: VOICE OF VIETNAM, HANOI, CURRENT SCHEDULE, 11 LANGUAGES:

		LANG.	TAR.
0930-1000	12035, 9840	IN	2
1000-1030	12035, 9840	BG	3
1030-1100	12035, 9840	IN	2
1100-1130	12035, 9840	BG	3
1100-1130	15010, 12020, 10040	SP	4
1100-1130	11750, 10010	CN	1
1130-1200	12035, 9840	TH	1
1130-1200	15050, 12020, 10040	RS	1
1130-1200	11750, 10010	CH	2
1200-1245	15010, 12020, 10040	JP	2
1200-1230	12035, 9850	EM	1
1200-1230	11750, 10010	CH	1
1230-1300	12035, 9840	LO	1
1230-1300	11750, 10010	CH	2
1300-1330	15010, 12020, 10040	FR	3
1300-1330	12035, 9840	RS	1
1300-1330	11750, 10040	CH	2
1330-1400	15050, 12020, 10040	BG	3
1330-1400	12035, 9840	EM	1
1330-1400	11750, 10010	CN	1
1400-1445	15010, 12020, 10040	JP	2
1400-1430	12035, 9840	LO	1
1400-1430	11750, 10010	CH	2
1430-1500	12035, 9840	TH	1
1430-1500	11750, 10010	CH	1
1500-1530	11750, 10010	CH	2
1530-1600	11750, 10010	CH	1
1600-1630	15010, 12020, 10040	BG	3
1600-1630	12035, 9840	IN	1
1630-1700	15050, 12020, 10040	RS	1
1600-1830	15010, 12020, 10040	BG	3
1830-1900	15010, 12020, 10040	FR	3
1900-1930	15010, 12020, 10040	BG	3
1930-2000	15010, 12020, 10040	FR	3
2000-2030	15010, 12020, 10040	SP	4
2030-2100	15010, 12020, 10040	BG	3
2100-2130	15010, 12020, 10040	FR	3
2145-2230	15010, 12020, 10040	JP	2
2200-2230	10010	CH	2
2230-2300	15010, 12020, 10040	SP	4
2230-2300	10010, 6437	CN	1
2230-2300	10010, 6427	CH	2
2300-2330	12035, 9840	TH	1
2330-0000	12035, 9840	BG	3
0000-0030	12035, 9840	EM	1
0000-0030	10010, 6427	CH	2
0030-0100	12035, 9840	LO	1
0030-0100	10010, 6427	CN	1
0330-0400	11750, 10010	CN	1
0400-0430	11750, 10010	CH	2
0430-0500	11750, 10010	CN	1

(DIRECT, VOV, COMPLETE.) TARGET CODES:

1=Southeast Asia. 2=Far East.

3=Europe. 4=Latin America.

SEND SELF-ADDRESSED, STAMPED ENVELOPE TO EDITOR TO OBTAIN LEGAL-SIZE SHEET OF LANGUAGE ABBREVIATIONS AND ACRONYMS. /rsb

# NORTH AMERICA/CARIBBEAN



Thomas Sable  
University of Scranton  
Scranton, PA 18510

DEADLINE: 12th

I was glad to meet so many of you at ANARCON. Radio personalities and listeners alike discussed common concerns and interests. Clubs, publications, and retailers were able to make new contacts. I think the hobby/leisure activity of SWling/DXing really benefits from these get-togethers. And now with steaming coffee in my mug and steam/coal smoke in the air- to the loggings: language is English unless noted otherwise.

## ALASKA KNLS

9715 1230 CC EZL mx, IS, ID (323 7/24 Balt IL)  
9750 1528 RR OM signs off in EE, then into RR (333 7/11 Mezek CO)  
11930 1013 All That Jazz, ID, long path echo (252 7/22 Krist VA)  
11965 1700 Family Magazine, YL with ID (232 7/19 Berri CA)

## ANTIGUA Deutsche Welle relay\*\*British Broadcasting Corp. relay

6040 0100 DW relay Letter from Berlin; GG operas (444 7/21 Dillon MD)S.  
Africa crisis; Press Review, 1936 Olympics (544 8/1 Bradley MA)  
6120 0509 DW Microphone on Europe:Arms talks (544 7/23 Brown IL)  
6160 0931 GG DW German Swing bands before 1939 (343 7/13 Berkholtz MN)  
6175 0402 BBC relay Astronomy and Mt. Palomar (544 7/15 Brown IL)  
H.G. Wells' *The Time Machine*; National Review (444  
7/27 Winiarz QU)Word in Edgeways (444 7/20 Dillon MD)  
9510 0433 BBC On the Box:Stereotypes (444 7/22 Brown IL) 1023 Royal Wedding (555  
7/23 Krist VA)  
9690 0305 DW Drug problems, Microphone on Europe (444 7/17 Neff QU)  
11775 1200 BBC Play of the Week (544 7/20 Alexander NJ)  
15105 2240 PP/SS DW OM YL IDs (222 7/25 Berri CA) Tall ships in Bremen harbor  
(444 7/24 Grosvenor CA)  
15210 1958 GG DW IS and ID (444 7/19 Brown IL)  
15275 1355 GG DW Rock and roll and salsa by FRG groups (544 8/5 Westenhaver QU)  
15410 2300 GG DW IS OM with ID and nx (232 7/25 Berri CA)Dunja Rajter sings (444  
8/4 Westenhaver QU)  
17715 1220 GG DW Weltpolitik aktuell: Bulgarian persecution of Turkish minority  
(343 7/31 Westenhaver QU)

## CANADA R. Canada International\*\*Northern Quebec Service\*\*BBC relay\*\*DW relay

5960 0000 RCI SWLs' Digest from ANARCON '86 (555 7/27 Campbell CT) (7/28 Winiarz  
QU) As It Happens: S. Africa; NZ YL 1st to swim across Lake Ontario  
[which way? TFS] (444 8/5 Brown IL) Canada Ala Carte, SWL Digest  
Forum (444 7/13 Neff OH) Modern mx (444 7/20 Alexander NJ)  
5965 1100 BBC World nx, News about Britain (555 7/18 Westenhaver QU)  
6070 2041 CFRX Queen's Plate horse race (343 7/13 Westenhaver QU) Live report on  
Royal Wedding (433 7/23 Brown IL) Fishing contest (322  
7/26 Dillon MD) 3-D film at EXPO (433 7/27 Bishop NY)  
6120 2346 BBC Science Report: new cancer treatments (444 8/5 Brown IL)  
9510 1300 BBC World nx, 24 Hours (555 7/16 Westenhaver QU) Royal wedding (555  
7/23 Brown IL) Australia and Canada to work on sanctions against  
S. Africa (444 8/13 Berkholtz MN) Anything Goes (555 7/12 Hesch NY)  
9535 0232 SS RCI IS, ID, Freqs. to L. Am. (444 7/24 Brown IL)  
9590 2211 BBC Hussan meets Perez (555 7/24 Brown IL)  
9605 0440 GG DW Sappy GG folk ballads (333 8/1 Westenhaver QU)  
9625 0035 NQS Inuit Tribal Meet (323 8/4 Wakefield IA) Canadian bond traders  
(333 7/24 Brown IL)  
9755 2308 RCI Free Trade;Quebec City declared landmark (544 7/27 Brown IL)  
Stopping smoking; Spanish Civil War (555 7/19 Krist VA)  
11945 2002 RCI Nx, Review of the Week (444 7/19 Brown IL)  
15260 1840 RCI Cure for hiccups (444 7/19 Brown IL) Nx: Sri Lankan ship, Spectrum  
(444 8/12 Sable PA)

CANADA (cont.)

----- 1600 BBC U.S. Reserve Board (443 7/25 Thompson CA)  
 15325 2001 RCI Listeners' Corner (444 7/13 Brown IL)  
 17875 1810 Polish RCI Current Affairs, schedule (444 7/26 Dillon MD)  
 17820 1832 RCI Letter from Ruth Hesch (343 7/13 Berkholtz MN)

CUBA R.Habana\*\*R. Rebelde relay\*\*R.Moscow World Service relay  
 4770 0109 RR Mayak Channel relay OM and YL: Pravda story (353 7/28 D'Angelo PA)  
 5025 0130 SS R. Rebelde fast talk, ID by YL and OM (323 7/22 Balt IL)  
 6100 0502 RHC U.S. radio war with Cuba (444 7/12 Neff OH) Afghanistan (433 7/31 Brown IL)  
 9655 1044 Quecha RHC Cuban mx, amateur baseball; ID (434 7/31 Westenhaver QU)  
 9730 0840 FF RHC Target area: Africa; mx (433 7/24 Brown IL)  
 9740 0230 RHC Interview with Stevie Wonder (333 7/18 Magick AZ)  
 11725 1320 SS RHC Cuban mx, ID (333 7/14 Thompson CA)  
 11815 0350 SS RHC Latin instrument sounds (434 7/21 Balt IL)  
 11970 0410 SS RHC Cuban Revolution (with sound effects!) (444 7/25 Brown IL)  
 15300 1400 SS RHC World and Cuban nx by YL and OM (333 8/12 Sable PA)

DOMINICAN REPUBLIC R. Discovery  
 15045 1830 RD Caribbean mx, ID, address, talk by Jeff White (222 7/23 Jones TN)

MONTSERRAT DW relay  
 9565 0100 Sunday Show, European Telecommunications (322 7/14 Krist VA)

NETHERLANDS ANTILLES Radio Nederland\*\*TransWorld Radio  
 6020 1120 RN SW Feedback, Dutch Top 10 (333 7/18 Brown IL)  
 6165 0230 RN ANARCON '86 comments, Radio stamps, propagation (444 7/25 Neff OH)  
     Historical Moments:Dutch artists (545 7/16 Pike NM) Events of 1948 (545 7/17 Wright MB) SW Feedback, Top Dutch Hits (544 8/2 Brown IL)(8/3 Bradley MA)  
 9535 0400 SS TWR Politics in Mexico City (323 7/18 Pike NM) Caribbean Night Call; This date in History (454 8/4 Wakefield IOWA)  
 9590 0229 RN European Terrorism; Media Network: Booklist in ninth edition (544 7/10 Brown IL) Newline; Images (555 8/6 Bradley MA)  
 9630 0750 RN Music of 1949 (444 7/21 Mezek CO) Media Network (444 7/24 Brown IL)  
 9650 1111 RN It's Time To Go:Tom Meyer (343 7/13 Berkholtz MN)(433 7/21 Brown IL)  
 9715 0830 RN Commonwealth Games [Pacific Service] (444 7/24 Brown IL)  
 9895 0245 RN Newline, Wednesday Report, Dutch Diary (444 7/16 Brown IL)  
 11815 1131 TWR Family Talk, World nx, Unshackled (333 7/26 Dillon MD)  
 15315 2327 SS RN Nx of Latin Am. ((555 8/5 Brown IL)  
 15355 2326 GG TWR IS ID ((444 8/5 Brown IL)  
 17605 2128 Dutch ID, YL, Nx (454 8/1 Berkholtz MN)

UNITED STATE OF AMERICA The Voice of America\*\*The Voice of Free China (via WYFR)\*\*Armed Forces Radio and Television Service\*\*Radio Marti\*\*  
 5985 0700 VOFC Nx, Mainroads and Byways, Mailbag (555 7/20 Wakefield IA) Contest winners, CC lesson (444 7/20 Alexander NJ) Chinese history (433 7/17 Neff QU)  
 5995 0230 VOA Bicentennial Story (555 6/23 Ruhe PA) Encounter (433 6/15 Hawk VA) Worldwide Shortwave Spectrum (444 6/11 Westenhaver QU)  
 5995 1200 WHRI Linda Dove sings (555 7/15 Robinson TN)  
 6030 0922 AFRTS Typhoon Peggy ravages Philippines (433 7/13 Berkholtz MN)  
 6040 0401 VOFC CC lesson (444 7/12 Brown IL)  
 6125 0640 VOA Daybreak Africa (555 7/23 Balt IL)  
 6185 0400 WRNO Sunday Night Hall of Fame (555 7/28 Campbell CT)Profile of Emerson, Lake, and Palmer (555 7/20 Wakefield IA) Glenn H. and World of Radio (433 7/19 Krist VA) Religious Service (434 7/13 Berkholtz MN) Rock (555 7/31 Wright MB)  
 7355 0345 WHRI Radio Earth: Mike and Suzanne Poulos; Skyline:Venus and Mars are bright (454 7/12 Campbell CT) Curacao promo (433 7/23 Neff OH) Christian pop mx (455 7/10 Westenhaver QU) Arson in Finland (555 7/22 Wright MB) Ozone layer (555 7/27 Winiarz QU)  
 ---- 0245 WRNO Worldwide Rock (444 7/22 Winiarz QU) Sunday Night Oldies (555 7/20 Weiss OH) Entertainment Coast to Coast (555 7/20 Krist VA) Cajun mx (444 7/27 Dillon MD)  
 7400 0400 WHRI MX and nx (555 7/22 Wright MB)  
 9455 1743 WMLK Talk about not coveting thy neighbor's donkey [This is a family column, Bill!] (242 7/13 Westenhaver QU) 0505 Test tx (444 7/13 Sheedy CA)  
     1715 (242 7/11 Krist VA)  
 9530 1002 AFRTS Nx (333 7/13 Berkholtz MN) New tax bill (333 7/20 Brown IL)  
 9535 2215 WYFR Listeners' letters (555 7/19 Magick AZ)  
 9585 1107 AFRTS UPI radio nx: Lions Intl. remains all male club (333 7/13 Berkholtz MN)  
 9590 1140 AFRTS Movies vs. VCRs (444 7/26 Wimmers VA)



UNITED STATES (cont.)

9615 0802 SS KGEI Religious Hymns (555 7/20 Wakefield IA)(434 7/21 Pike NM)  
Biblical prophecies, ID (444 7/26 Brown IL)  
9680 0305 VOFC Nx of Mainland China (544 7/17 Berri CA)  
9700 1002 AFRTS Philadelphia garbage strike(444 7/21 Brown IL)  
9715 1300 WRNO World of Radio (444 7/20 Soomre MA)(Wimmers VA)(Wright MB)  
9760 1120 VOA Greenhouse effect and climatic changes (333 7/13 Berkholtz MN)  
9765 1350 VOA Bob Grove on *Monitoring Times* merger with *Internat. Radio* (7/9 Emerson OR)  
9770 2123 WHRI Religious programs, ads (433 7/14 Bishop NY)  
9852.5 0102 WHRI "Onward, Christian soldiers" Dr. Lester (333 7/27 Dillon MD)  
----- 2301 WRNO Louisiana job market; *World of Radio* (444 7/26 Krist VA)  
Rock mx, nx (544 7/30 Beaver IN)  
11580 0017 VOA The Making of a Nation in slooow English (454 7/25 Krist VA)  
11715 0338 RR KGEI YL with religious talk;ID and address in EE (233 7/28 Berri CA) (333 7/12  
D'Angelo PA)  
11735 1830 KCBI TX U & Me Show;Radio Connection (333 7/26 Dillon MD) Call-ins,  
Propagation Report, Radio Connection, W5YI Report (433 7/25 Neff OH)  
11740 0138 VOA Drought in the South (433 8/4 Brown IL)  
11790 0215 AFRTS Nx: Fr. Jenco released (333 7/26 Brown IL)  
11830 1615 WYFR Open Forum (333 7/13 Soomre MA) Letters (555 7/19 Magick AZ)  
11930 1910 SS R. Marti Panorama Artistico (555 7/27 Weiss OH)  
15105 1800 WHRI QSL offer; Bible teaching program (444 7/12 Brewer AR)  
15120 2056 WRNO Rock (544 7/24 Brown IL)  
15145 0300 SS WINB Religious px, ID and address (343 7/29 Westenhaver QU)+3  
15185 2024 WINB Moses (455 7/24 Wakefield IA)  
15205 0133 VOA Mexican debt (555 7/21 Brown IL)  
15265 1331 SS VOA Buenos Di'as Ame'rica (454 7/31 Westenhaver QU)  
15325 1155 AFRTS North and South Korea (343 7/13 Berkholtz MN)  
15330 2210 AFRTS UPI radio nx (444 7/19 Magick AZ)  
15400 1810 WINB Celeste mx (454 7/22 Wakefield IA)  
15410 2130 VOA International nx (333 7/29 Addison KS)+2  
15420 1930 WRNO Top 20, Moody Blues (555 8/4 Brown IL)  
15430 1836 AFRTS Cubs vs. Giants (433 7/19 Brown IL)  
15440 2208 VOFC National Health program (444 7/13 Neff OH)  
15455 2043 AFRTS People magazine report (433 7/22 Brown IL)  
17765 1929 AFRTS Rangers vs. Indians (333 7/13 Brown IL)  
17785 1620 VOA Filibusters (323 7/19 Pike NM)  
17805 0250 SS VOFC ID, schedule (353 7/24 Balt IL)  
17845 2110 VOFC Nx, commentary on new Japanese history texts (555 7/22 Wakefield IA)  
--- 0143 PP WYFR YL with ID and announcement;beamed to Brazil (333 7/18 Westenhaver,  
QU)  
21570 0030 AFRTS Padres vs. Pirates (353 7/18 Krist VA)

KVOH is supposed to start testing around mid to late August on 17775 from 1700 to 2200 UTC. Apparently SW high power transmitters are scarce, so they purchased one from HCJB that supposedly arrived in Southern California at the end of July. As I type this, I haven't heard them yet. How about a quick contest? The first logging of KVOH from the California site that I receive earns a set of three Steamtown postcards.

WMLK is scheduled for 9455 from 1700-1900 and 0400-0600 UTC with some possible changes in the last two hours in the D86 period. Also there is a possibility that they will return to 15150 and 15110. So if you can't hear them in the 32 meter band, check 19 meters. [Thanks to William Westenhaver, Ruth Hesch, World of Radio for the above information.]

My apologies to **R. Canada International** for last month's report that service to U.S. on weeknights was being cut. Programs were dropped to give larger portions of popular programs, such as *As It Happens*.

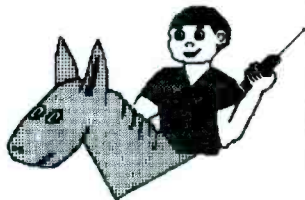
Please send your loggings [North American, Caribbean, and North American pirate loggings] to me by the twelfth of the month and to our CDE, Peggy Thompson by the fifth of the month. Goodbye for now from Steamtown, U.S.A. 73 ed gd dx.

T. A. J.



# LATIN AMERICA

CARL HUFFAKER  
Apdo Postal 41-507  
11001 Mexico, DF  
MEXICO



FREQUENCIES in Kilohertz

DEADLINE: 12th

TIMES/DATES in UTC

## HRRI Puerto Lempira, Honduras

Only hours after I'd mailed last month's column, HRRI came on the air with its first test broadcast. As the genesis of this station is unusual and involves "our tax dollars", I'd like to feature a profile of the station. All of the information is taken from tapes of the broadcasts. The initial transmission was a live informal program discussing the station and the project and even featured some live Country-Western music by one of the group from Nashville. I have omitted names of the people involved as I have no written information on the project and doubt that my phonetic spellings would be correct.

The AID grant to Honduras, a little over a year ago, involved somewhat over nine million dollars for development projects in the Departamento Gracias a Dios. This went to several government agencies, the National Forestry Commission, the Ministry of Health, the Ministry of Public Works, etc. 900,000 dollars was set aside for educational radio, and a contract given to the International Rescue Committee, a private organization. The IRC was founded in 1933 to aid refugees from Hitler's Germany. It has grown, as has the refugee problem, and now operates in more than nine countries. The Mosquito Indians are largely displaced Nicaraguans and are a refugee group with cultural and geographic unity.

The project involved establishment of a bilingual, Spanish and Mosquito, educational radio station and the training of local people as operators, producers, script writers, educational experts, etc. It is a two year project, and much to the credit of those involved, the station came on the air in half of that time. Personnel from Radio Sutatenza spent a month in Puerto Lempira training the operators, some broadcast personnel attended a radio school in Quito, and Radio Netherlands was also involved. Some monitors have reported that Family Radio also appeared in the credits, but I believe that they have confused the name of the station which is either a Mosquito word or abbreviated phrase with a similar sound. To date, some 30 Mosquito Indians have been trained to operate and program the facility. At the end of the two year period, the station will be turned over to La Mosquitia control.

Although the purpose of the station is primarily educational, there was considerable discussion of cultural and entertainment values of the programs. The importance of broadcasting in the Mosquito language was stressed as was the use of dramatic idiom and values unique to that culture. In one Spanish announcement, the purpose was defined as "educational and spiritual", but I believe that this would be somewhat beyond what is normally covered by AID grants.

Regular broadcasts are to begin August 18th, and a prepared tape mentioned the hours as 6:00 to 10:00 and 4:00 to 8:00 local time. This tape gives the call letters as "RI" following the Latin custom of dropping the national prefix "HR". Another s/off tape in Spanish characterized the station as "Una Emisora de Comité Internacional de Rescate" but this will probably only be used during the transition to government control. The transmissions appeared on, and all references were to, a frequency of 4755 kHz. "Full power, 2000 watts" was mentioned during the initial broadcast, but later references and some tapes referred to 10,000 watts. The local engineers gave the address as "HRRI, Puerto Lempira, Gracias a Dios, La Mosquitia, Honduras. Mention was made that mail arrived via cayuga (canoe) or jeep.

Geoffrey Shankin, Dan Sheedy, and Nelson George reported HRRI test transmissions on 7/16 or 7/19 maintaining SPEEDX's "active" reputation during the off-season. There was some confusion about the address. I copied six, one in New York, two in La Ceiba, and three different versions of Puerto Lempira. Puerto Lempira should be sufficient, but use the call letters. It's a very small fishing village, but now boasts two radio stations on SW, both with studios there.

+++++

Now to the reports. Unless indicated otherwise, the language is Spanish, and for the Brazilians, Portuguese.

ARGENTINA

9690 \*01:00 RAE EE Nx, Px on Argentine popular songwriters (322 8/4 Wakefield -IA)(7/30 Jones-TX)(444 7/26 krist-VA)(222 7/18 Brown-IL)(222 7/15 Bishop-NY)  
 11710 04:12 RAE EE Nx, sports, Listeners Letters (222 7/25 Brown-IL)  
 15345 12:42 RAE Px of tangos by Carlos Gardel (333 7/1 Westenhaver-PQ)

BOLIVIA

4796 10:43 R Nueva America LA Mx, OM DJ, 10:53 ad block, 11:02 full ID, then Tx with harp Mx between (222 7/28 Coday-CA)  
 6025 03:25 R Illimani pops & ballads, "Yours" in SS, string of anmts with many mentions of Bolivia (322 7/23 George-NC) (I think "Yours" was a SS song later translated to EE clh)

BRASIL

4805 02:02\* Rdif de Amazonas light inst Mx, anmts, 2 ID's, then abruptly off (333 8/1 Westenhaver-PQ)(333 7/27 Dillon-MD)(434 7/10 Van Horn-FL)  
 4845 03:03 R Nac Manaus brassy ID w/promo, PSA's, Nx (444 7/11 Van Horn-TX) (their s/on tape has a fantastic trumpet version of Brasil clh)  
 4865 02:48 R Verdes Florestas EZ Brazilian & US pops, OM DJ, ID's (333 7/8 George-NC)(a new station, and well named as there's an awful lot of green around Cruzeiro do Sul clh)  
 4875 05:00\* R Jornal do Brasil ??? Romantic Brazilian vocals, no NA at s/off QRN & QSB prevented definite ID (242 7/14 George-NC) (R Nac de Boa Vista is also 05:00 s/off, but their ID tapes usually cut through the QRN. clh)  
 4895 02:25 R Baré futbal match, 2 OM ancrs, no ID (242 7/31 D'Angelo-PA)  
 4915 01:10 R Anhanguera Tx by 2 OM, casual mention of R Ananguera, into futbal play by play (343 8/1 D'Angelo-PA)(433 7/23 Balt-IL)  
 5025 09:32 UNID lively Mx, ads, short rel Tx, Mx (333 7/25 George-NC) (I can't suggest anything here. Both Transamazonia and Borborema come in well, and without the other, as propagation varies. clh)  
 5045 03:03\* R Cultura do Pará public affairs type Px, many ID's, NA (454 7/31 D'Angelo-PA)  
 6000 09:45 R Guaiba Nx, ID's (343 7/24 George-NC)  
 6030 23:10 R Globo sta promo, TC, Brazilian pops, lengthy PSA (433 7/27 Van Horn-FL)  
 9695 10:56 R Rio Mar block of promos and ID's, jingle ID at 11:01, into Brasopops. (232 8/1 Westenhaver-PQ) (Good catch! clh)  
 11775 \*02:00 Radiobras EE ID, Nx (545 7/12 Pike-NM)(544 7/23 Coleman-MA) (444 8/4 Brown-IL)  
 11780 20:15 R Nac da Amazonia fast talking DJ, R Nac ID's (322 7/26 Dillon-MD) (444 7/11 Pike-NM)  
 11815 18:02 R Brasil Central Sertaned Mx, "en Brasil Central, Musica e Alegria" during mid-day LA opening (FR 7/24 Sheedy-CA)  
 11856 18:10 R Aparecida rel Px, ID, ads // 9635 weaker (FR 7/24 Sheedy-CA)  
 15200 18:40 R Nac de Amazonia fast talking ancr, partial ID's sports? (7/6 Jones-TX)  
 17755 17:34 R Surinam via Brasil DD/EE Nx, ID, QSL info, 18:15 "God Bless Surinam" to the tune of God Bless America (443 7/25 Thompson-CA) (443 7/4 Havrilko-UK)  
 4775 00:14 Rdif do Maranhao romantic vocals, long winded DJ, ID (343 8/1 D'Angelo-PA)  
 4880 \*08:58 Rdif Acreana signing on with full ID & NA (343 8/10 Huffaker-MX)  
 4965 09:51 R Poti fast talking DJ, ID in chatter (333 7/28 Huffaker-MX)

CHILE

15140 22:00 R Nac de Chile ID by OM, "The Girl From Ipenema", YL introduces Mx, "Besame Mucho" (555 7/23 Robinson-TN)(454 7/29 Thompson-CA) (444 7/26 Grosvenor-CA)(444 7/24 Brown-IL)(555 7/24 Wakefield-ID) (344 7/11 Pike-NM)(343 6/28 Manderscheid-CA) (I selected Betsy Robinson's log to illustrate how international LA Mx is. "The Girl From Ipenema" is Brazilian, but exploded to popularity when Astrid Gilberto sang the EE lyrics during a recording session with Stan Getz. "Besame Mucho" is Mexican, but its popularity was established during the fatalism of the war years in NW South America. Those WERE the days! clh)

CLANDESTINE

5889 02:25 L V de la UNO usual anti-Sandanista Tx, ID's, nominal 5040 (FR 7/29 Sheedy-CA) (with 3 other stations on the freq, a move makes sense.clh)  
 5950 03:59 R 15 de Sept. 2 OM talk about anti-Sandanista actions, ID (322 7/2 Westenhaver-PQ)(211 7/21 McEntee-TX) (15 de Sept appears part of the L V del CID network, and is possibly part of the same xmtr complex. The days of real clandestines, ham transceivers in the field, seem to have passed. clh)  
 6556 00:30 R Venceremos heavy RTTY QRM, clear ID at 00:44 (142 6/28 Havrilko-UK)  
 7380 04:00 L V del CID ID, Mx long Tx by OM // 9940 (323 7/27 Balt-IL)  
 7470 11:17 R Caiman Px of old FF ballads by Charles Azavour, ID's between songs (333 7/18 Westenhaver-PQ)(354 6/28 Havrilko-UK)  
 9940 22:15 L V del CID Mx, ID(454 7/10 D'Angelo-PA) (454 7/28 Weiss-OH)(354 6/28 Havrilko-UK) D'Angelo notes R Free Surinam Px at 22:40 much weaker as they changed beam?

COLOMBIA

4885 09:56 Ondas de Meta Villaviencio ads (333 7/16 Huffaker-MX)  
 4915 10:41 Armonias de Caqueta TC, references to Florencia (433 7/23 Huffaker)  
 4975 10:38 Ondas de Ortegaza TC, Florencia ads (333 Huffaker-MX)  
 5955 04:16 L V de los Centauros musical performance before live audience (454 7/26 D'Angelo-PA)  
 5975 10:33 R Macarena LA pops, ID's, TC's, ads (343 7/24 George-NC)  
 6065 08:10 R Super Bogota old Colombian Mx, ID, TC, ID (343 8/8 Huffaker-MX)  
 6118 10:30 L V del Llano Cumbias, ID, Mx (444 7/24 Robinson-TN)  
 11794 00:33 R Nac Nx, ID, guitar & vocal Mx (444 7/24 Goday-CA)

COSTA RICA

4832 09:17 R Reloj TC, ID, LA Mx (433 8/6 Brown-IL)  
 5055 03:31 Faro del Caribe Tx abt God's way, ID in EE, into SS at 04:00 (232 7/26 Krist-VA)(433 7/22 Balt-IL)  
 6006 06:58 R Reloj LA pop Mx, ID (333 8/1 Wakefield-IA)(343 7/23 Balt-IL) (333 7/13 Dillon-MD)(433 7/24 Brown-IL)  
 6160 00:00 R Impacto ID, Mx (322 8/5 Brown-IL)(323 7/12 Pike-NM)(FR 7/9 Sheedy-CA)(Dan asks about CIA backing. The station's commercial and the CIA's a contracting agency, but Nx from Washington suggests that there are other organizations between. clh) -PA)  
 15460 21:55 AWR EE Christian songs, EE & SS ID's (Westenhaver-PQ)(7/2 Dickerman)

ECUADOR

3240 03:01\* R Cultural Antena Libre non-descript vocals and instrumentals, ID by YL, NA (342 7/25 George-NC)  
 3261 03:33\* L V de Rio Carriazal EZ LA ballads, ID by OM, NA (333 7/25 George-NC)  
 3395 04:00\* R Zaracay LA vocals to e/off (353 7/5 D'Angelo-PA)  
 4920 01:20 R Quito LA pops, TC, PSA, full ID, LA pops (434 7/13 Van Horn-FL) (433 7/12 Bishop-NY)  
 5050 10:50 Jesús del Gran Poder rel service, childrens choral Mx, ID (343 7/2 D'Angelo-PA)  
 5061 03:35 R Nac Progreso romantic Mx, formal ID at 03:46, more romantic Mx (453 7/5 D'Angelo-PA)

HCJB (the most listened to station in the column)  
 6130 09:50 EE "What in the World" (333 7/13 Dillon-MD)(242 7/28 Westenhaver-PQ)  
 6230 02:43 EE "DXPL" with the Speedx Report (333 7/27 Emerson-OR)(444 7/19 Brown-IL)(434 Loturco-NY)  
 9845 07:05 EE Tx about marriage and on the resurrection (444 7/4 Havrilko-UK) (sounds like someone's promoting matrimony. clh)



ECUADOR HCJB (cont) (all in EE)  
 9870 02:30 "DXPL" and the Speedx Report (555 7/6 Wright-MC)(555 Wakefield-IA)  
 (433 7/21 Dillon-MD)(444 7/21 Brown-IL)(443 7/6 Neff-OH)(433 6/15  
 Bishop-NY)  
 11910 01:10 "Focus on the Family" (544 7/17 Brown-IL)  
 15115 13:30 "Morning in the Mountains" (444 7/25 Wimmers-VA)(444 7/13 Pike-NM)  
 (333 6/26 Brown-IL)  
 15155 01:00 Nx, rel Px, ID (444 7/5 Langlois-FL)  
 15270 21:30 "DXPL" with the Speedx Report (congratulations, David. clh) (344 7/12  
 Brown-IL)(444 5/28 Havrilko-UK)(454 6/20 Magick-AZ)  
 17790 19:03 "Saludos Amigos" (333 7/13 Brown-IL)  
 17830 13:12 ID, TC, Bible Study (444 8/5 Brown-IL)  
 17890 13:40 "Morning in the Mountains" (444 7/4 Soomre-MA)  
 17890 12:29 rel Px (343 7/13 Berkholtz-MN)

FRENCH GUIANA (all RFI this month)  
 6055 05:46 RFI SS French Mx, ID (322 6/29 Manderscheid-CA)  
 6155 04:43 RFI EE Mx, ID, Nx (444 7/26 Brown-IL)  
 7135 04:50 RFI EE/FF Nx, ID, & to FF at 04:54 (444 7/4 Brown-IL)  
 9580 03:14 RFI EE Nx (444 6/17 Brown-IL)  
 9800 04:00 RFI EE Nx (555 8/4 Wakefield-IA)(444 7/27 Brewer-AK)(555 7/26  
 Krist-VA)(544 7/18 Coleman-MA)(544 7/13 Brown-IL)(544 7/12 Pike-NM)  
 (Westenhaver reports that RFI's PR man at ANARCON suggested that  
 cancellation of the R Beijing broadcasts was part of a move to tighten  
 government control on the outlet and make it better serve the French  
 citizens abroad. If this is the case, I wonder what happened to the  
 French citizens in the Orient who were listening to RFI via R Beijing  
 transmitters. clh)

GUATEMALA  
 3300 05:50 R Cultural EZ Mx, ID's (433 7/23 Balt-IL)  
 5980 11:00 AWR rel Px "La Voz de Esperanza" ID (444 7/13 Robinson-TN) (AWR  
 commented that The Voice of Hope was another already taken name and  
 they were looking for something new. clh)

HONDURAS  
 4755 05:37\* HRRI Px details on the first page (454 7/16 George-NC)(GD 7/16 Shedy  
 -CA)(444 7/19 George-NC)(211 7/19 Shanklin at ANARCON in Montreal)

MEXICO  
 5981 21:12 XEUJ "San Francisco Nights" by the Animals, turntable went out of  
 control, OC, then back to SS pops (222 7/9 McEntee-TX)  
 6020 15:00 "La U de Veracruz", SS ID (243 7/10 McEntee-TX)  
 6115 15:40 R Univ de Sonora Px of popular Mexican Mx (333 8/2 Grosvenor-CA)  
 15430 22:30 R Mexico Intl Px on Poland with Polish classical and folk Mx to honor  
 Poland's national day (354 7/22 Weiss-OH)(433 7/24 Balt-IL)(343 7/13  
 Westenhaver-Pq)

NICARAGUA  
 6015 01:15 L V de Nicaragua EE Nx, cmtry (444 7/9 Langlois-FL)(323 7/24 Pike  
 -NM)(332 7/23 Neff-OH)(333 7/22 Balt-IL)(444 6/30 Brown-IL) SS Px  
 (454 7/3 Wright-MB)(232 6/20 Loturco-NY)(444 7/24 George-NC)  
 6100 19:25 L V de Nicaragua domestic Px, comedy, soap opera, revolutionary Mx  
 (343 7/28 Huffaker-MX) (This is their second xmtr, ex-6200, ex-6160.  
 It has less power than 6015 and never carries EE. clh)

PARAGUAY  
 9735 10:37 R Nacional Mx political cmtry (343 7/13 Berkholtz-MN)

Before I start Peru, a comment on Mexico. Today's newspapers carried the  
 story on TELEVISIA's new President. He is to occupy their main office in  
 New York, which is contrary to the present trend toward nationalization.  
 XEW, MW, identifies itself as "Televisa Radio" which suggests that the SW  
 outlets may have been part of a trade. At present, they remain off the air,  
 but could reappear in any of several guises. Throughout Latin America, the  
 reactivation of inactive stations, or the reactivation of the equipment of  
 those stations, is what causes surprises in DXing the area. clh.

PERU

- 4755 10:02 R Huanta 2000 Om/YL rel Px, Peruvian PSA and ID at 10:15, faded by 10:20 (242 8/7 Huffaker-MX)
- 4775 04:59\* R Tarma romantic Mx, ads, NA followed by full ID (333 7/17 Huffaker-MX)
- 4790 04:10 R Atlántida LA Mx, ID, and more Mx (323 7/24 Balt-IL)(222 7/12 Bishop-NY)
- 4810 02:27 R San Martín were playing and ancing Venezuelan Mx, TC ... "en R San Martín" at 02:33 (333 8/8 Huffaker-MX)
- 4825 10:02 L V de la Selva signing on with promos and ID's (333 8/8 Huffaker-MX)
- 4885 04:57 R Huancavelica old style OA Mx, really a party, break in at 05:07 (343 7/25 Huffaker-MX)
- 4935 03:35 R Tropical futbol Ayacucho vs Tarapoto, TC & Tarapoto ads at 04:02 (333 8/8 Huffaker-MX)
- 4950 10:57 R Madre de Dios OM/YL Puerto Maldonado ads, TC and into personal anmts at 11:00 (322 7/23 Huffaker-MX)
- 4970 07:20 R Imagen frequent TC's "... en Departamento de San Martín, and infrequent (2 in 1 1/2 hours) ID's "Imagen de Tarapoto" Mx was more LA than OA (444 8/10 Huffaker-MX) new frequency
- 4990 03:08 R Ancaesh Mx, promo, TC, Mx, ID (333 8/8 Huffaker-MX)
- 4996 08:12 R Andina OM DJ, ballads, ads, ID at 08:35 (322 7/23 Coday-CA) (353 7/25 D'Angelo-PA)
- 5010 03:44 R Eco OM/YL ads and promos, station promo at 03:55 (333 7/31 Huffaker-MX)
- 5015 02:57\* R Moyabamba LA ballads, TC's and ads, 2 full ID's before NA at s/off (444 8/10 Huffaker-MX)
- 5030 09:55 R Los Andes Andean Mx, OM & YL ancrs, ads, several good ID's (343 7/25 George-NC)
- 5040 04:18\* R Libertad soft Mx, full ID & NA (333 7/24 Huffaker-MX)
- 6190 11:25 R Oriente personal anmts, full ID at 11:30 (434 7/25 Huffaker-MX) (that one was out of order clh)
- 5360 23:20 R Visión Peruvian Val Mx, ID, phone interview, sports cmtry, ID (323 7/27 Van Horn-FL)
- 5950 00:25 R Arequipa (tent) sports cmtry, possible ID, more cmtry, under RPI (222 7/28 Van Horn-FL)
- 6010 00:45 R América Peruvian val Mx, ID's 00:55 & 01:00 (232 7/28 Van Horn-FL)
- 6115 06:30 R Unión modern LA Mx, ID's (444 7/23 Balt-IL)

VENEZUELA

- 4770 00:53 R Mundial, Bolívar ID, ad string, TC (242 8/1 D'Angelo-PA)(333 7/14 Dillon-MD)
- 4830 01:25 R Táchira jorops style Mx, sta promo with ID, LA pops (433 7/10 Van Horn-FL)(332 7/15 Bishop-NY)(353 7/14 D'Angelo-PA)
- 4840 03:20 R Valera LA ballads, US EZ Mx, TC, vals Mx (434 7/11 Van Horn-FL)
- 4850 02:16 R Capital LA & US pops (332 7/11 Bishop-NY)
- 4970 04:00 R Rumbos lively Mx, OM ancr, 3-tone ID's (323 7/24 Balt-IL)
- 4980 02:10 Ecos del Torbes LA pops, canned ID, TC, station promo (343 7/27 Dillon-MD)(343 8/3 Wakefield-IA)(333 7/22 Balt-IL)(433 7/12 Bishop-NY)(444 7/8 Van Horn-FL)
- 5020 10:00 R Nacional "es Nacional", cumbias (545 7/13 Robinson-TN)(433 7/17 Bishop-NY)(5023 454 7/19 George-NC)
- 5040 01:30 R Maturín ID, ballads (433 7/13 Van Horn-FL)
- 9660 11:27 R Rumbos Mx with doorbells, ID (333 7/10 D'Angelo-PA)(333 7/19 Magick-AZ)(9665 333 7/31 Brown-IL)
- 11695 03:45 R Nacional LA Mx, YL ancr, NA and s/off at 03:50 (333 7/24 Balt-IL) (FR 8/2 Sheedy-CA)

It's been a long night. The President went and returned from the six nation heads of state meeting, and then left for the US. The added security at the airport played havoc with the mail, and as a result, I received 80% of the reports late this afternoon. I'd planned to mail the column in the morning, which I will, but forgive the mistakes which may have crept in due to the delay at this end.

73's and CU in 30

*Cup*

**EUROPE**

**Daniel Sampson**  
**Route #1, Box 36**  
**Black River Falls, WI 54615-9714**



**Deadline: 12th**  
**Times/Dates: UTC**  
**Frequencies: KHZ**

Destination: \_\_\_\_\_

Seat Window Center Aisle  
 Flight

**BURROUGHS PRESS**

Row

**EUROPE**

**ALBANIA**     Radio Tirana  
 6200     0320 RT EE; comtry on US-Soviet relations, wetlands reclamation (555 7/20 Wakefield-IA)  
 7065     1852 RT EE; // 9480, tlk of Albanian League (454 6/25 Havrilko-U.K.)  
 7120     \*0130 RT EE; wld nx, comtry on crime in Capitalist societies, // 9760 (322 7/23 Balt-IL)(Langlois-FL)  
 7300     0333 RT EE; comtry on increased readiness of Albania because of present Gov't (333 7/9 Brown-IL)  
 9480     2209 RT EE; rpt of Socialism in the nx (555 7/24 Brown-IL)  
 9500     0711 RT EE; tlk of the Palestineans, ID, mx pgm (433 6/15 Havrilko-U.K.)  
 1600     RT FF; IS, ID "Ici Tirana," pgm info, nx (343 7/4 Soomre-MA)

**AUSTRIA**     Radio Austria International  
 6000     1843 RAI EE; // 5945, 9725, 15430, pgm on education & costs of private schools (433 6/25 Havrilko-U.K.)  
 6155     0135 RAI EE; YL, ID, OM w/ nx (333 7/5 Langlois-FL)  
 1500     RAI EE; "Rpt from Austria," nx, outgoing Austrian president, tennis (553 7/8 Kaessinger-Federal Republic of Germany)  
 9700     \*0128 RAI EE; "Austria Calling," nx, wx, rpt on a major foot path of yester-year (232 7/26 Krist-VA)  
 9755     0430 RAI EE; nx, 1986 election campaign controversy, Alpine Railways, Beethoven document (545 7/3 Wright-Manitoba)(Miller-CA)  
           0545 RAI EE; unlisted at this time, IS, soft pops or cl mx (121 7/15 McEntee-TX)  
 9770     0200 RAI GG; "Blue Danube Waltz," ID, YL w/skcd, nx (222 7/24 Pike-NM)  
           0330 RAI EE; "Rpt from Austria," nx, Gorbachev summit, Iran-Iraq War, Austria-Turkey meeting (444 7/10 Brown-IL)(Krist-VA)(Westenhaver-QU)  
 15320     1230 RAI EE; Rpt on TV coverage of World Cup Finals (433 7/20 Balt-IL)

**BELGIUM**     Belgische Radio en Televisie  
 5910     1800 BRT EE; "Belgium Today," mx, "Radio World" (433 7/1 Kaessinger-F.R.G.)  
 9830     \*0030 BRT EE; "Radio World" w/tlk abt ANARCON '86 (454 7/28 Campbell-CT)  
 9880     0915 BRT EE; "Brussels Calling" DX pgm, RITTY QRM (433 7/5 Havrilko-U.K.)  
 15590     1301 BRT EE; pgm notes, "Belgium Today," Flemish Holiday, rpt on nuclear arms (433 7/12 Brown-IL)(Sampson-WI)

BRT is going to begin its own programs in FF & GG (½ hour each day) sometime in the Fall according to Frans Vossen on "Radio World" & ANARCON anmt (Westenhaver-QU)

**BULGARIA**     Radio Sofia  
 7115     2048 RS EE; "Spectrum," features on philately & visit to the Varna dolphinarium, // 9700 (344 7/27 Westenhaver-QU)  
           0225 R. Moscow relay EE; anti-US comtry on actions in Nicaragua (444 7/19 Brown-IL)  
           0305 RS EE; wld nx, PLO, UN & Ortega's visit to New York (433 7/28 Phillips)  
 7255     \*0330 RS Albanian; YL w/ "Ju flet Sofia" ID & anmt, nx (322 7/18 Westenhaver)  
 7670     0300 Stolnik lang; nx, comtry, mx (333 7/5 Hawk-VA)  
 9700     1113 RS Bulgarian; mx (333 7/13 Berkholtz-MN)  
           1837 RS EE; tlk on economy, "Events & Developments," comtry on disarmament (343 7/25 Krist-VA)  
 11720     2306 RS EE; comtry on Turkish landing on Cyprus (333 7/14 Levison-PA)  
 15310     2119 RS Bulgarian; intvw w/ delegate to some UNESCO Conf., into PP @ 2130 (343 7/11 Westenhaver-QU)  
 15330     2220 RS EE; DX pgm, folk mx, 2230\* (433 7/30 Weiss-OH)(Jones-TN)(Neff-OH)

CZECHOSLOVAKIA Radio Prague  
5930 0115 RP EE; comtry on sanctions against S. Africa, // 11990 (555 7/23 Coleman-MA)(Langlois-FL)(Neff-OH)(Dillon-MD)  
0300 RP EE; nx by YL, sanctions to S. Africa (444 7/28 Phillips-PA)(Brown)  
7345 0108 RP EE; nx, comtry, mx, weekley review (544 8/3 Bradley-MA)(Brown-IL)  
1918 RP EE; YL w/tlk of peace committee for nuclear disarmament, British attack on Libya, // 5930 (544 6/25 Havrilko-United Kingdom)  
17840 0736 RP EE; // 11855, 21705, nx of spare strike weapons (433 7/9 Havrilko)

DENMARK Radio Denmark  
11745 2300 RD Danish; EE ID, nx, rpts from correspondents (422 7/21 Weiss-OH)  
15165 \*2000 RD Danish; IS, ID in EE & Danish, nx, QRM HCJB on 15160 (222 7/24 Wakefield-IA)

FINLAND Radio Finland  
11715 2005 RF Finnish/Swedish; Finnish nx, ID, freq anmts, IS, 2011 into Swedish w/ID, freqs, nx (333 7/11 Westenhaver-QU)  
11755 0645 RF EE; tlk of nuclear industry in Finland & use of Russian built reactor (444 6/15 Havrilko-U.K.)  
11945 1220 RF EE; intvw about nuclear testing in Scandinavian countries (423 7/24 Balt-IL)  
15400 1400 RF EE; "Northern Rpt," "Airmail" (333 7/8 Rocker-MS)(Berkholtz-MN)  
17785 1403 RF EE; feature on publicizing Finland abroad, // 15400 (333 7/13 Westenhaver-QU)

FRANCE Radio France International  
5950 0131 RFI FF; accordian mx, wld nx, pop mx, into SS (343 7/26 Dillon-MD)  
6175 1600 RFI EE; "Paris Calling Africa," review of FF Press, mx (544 7/7 Kaessinger-F.R.G.)  
2015 RFI FF; YL's w/mx pgm (544 7/5 Havrilko-U.K.)  
7135 0322 RFI EE; nx, Bombing in Germany, Reagan doesn't see evidence of Marcos interfering in politics in the Philippines (433 7/9 Brown-IL)  
9565 0425 RFI EE; FF Press Review (544 7/17 Brown-IL)  
11670 2245 RFI FF; discussion of how RFI is funded, 2258\* (444 7/27 Winiarz-QU)  
11700 0446 RFI EE/FF; EE nx to 0455, sked in FF, ID @ 0500, // 9790, 9550, 9535, 6055, 9800, 7135 & 11995 (gd 7/8 Sheedy-CA)  
15155 0655 RFI FF; accordian mx, nx @ 0700, QRM Moscow (322 7/22 Westenhaver-QU)  
15365 1159 RFI FF; ID, nx, // 15435 (333 7/13 Berkholtz-MN)  
17620 1235 RFI FF; sitar mx, FF pop mx, African nx @ 1245 (343 7/26 Dillon-MD)  
1600 RFI EE; ID, nx to Africa, Review of Press comtry (333 7.22 Goodman-IA)  
17720 1430 RFI FF; variety of tlk, mx, // 15365 (344 7/8 Rocker-MS)(Dillon-MD)

GERMAN DEMOCRATIC REPUBLIC Radio Berlin International  
6080 0120 RBI EE; comtry on remarks by Nicaraguan Ed. Minister, QRM de DW on 6085, ID @ 0127 (422 7/23 Coleman-MA)  
6165 0016 RBI SS; ID, nx in city-item format, covered by R. Netherlands @ 0227 (333 8/1 Thunberg-PA)  
9560 0204 RBI EE; US-Soviet meeting, 11th Congress of Trade (433 7/23 Neff-OH)(Krist-VA)(Balt-IL)  
0358 RBI EE; YL w/tlk, ID @ 0405 (333 8/1 Mezek-CO)(Brown-IL)  
9620 \*0330 RBI EE; nx, comtry on spts events, GDR's links to Atomic Energy Agency, 0412\* (232 7/12 Krist-VA)  
9730 \*2345 RBI EE; nx, item on nuclear free zones, job training (433 7/15 Krist)  
0715 RBI EE; ID, comtry on nuclear arms race, // 6090, 7185 & 21540 (544 6/15 Havrilko-U.K.)  
11785 0100 RBI SS; ID, freqs, anti-nuclear tlk (433 7/2 Rocker-MS)  
15240 1421 RBI EE; comtry, 1st Chinese exhibition in Moscow since...(222 7/25 Berkholtz-MN)

GERMAN FEDERAL REPUBLIC Deutsche Welle  
7235 0400 DW AA; nx by OM, IDs, Middle East mx (233 7/12 Hill-MA)  
11785 1818 DW EE; tlk & intvws on how young people work in Berlin (322 7/27 Phillips-PA)(Havrilko-U.K.)  
11885t 0145 R. Liberty Turkestani; 0200\*, tentative ID (121 7/15 McEntee-TX)  
11905 2035 DW AA; wld nx, current affairs, spts, AA mx, ID "Huna sawt al-almania" sked @ 2116, ID in GG @ 2119, 2120\* (333 7/20 Dillon-MD)  
15105 1152 DW GG; comtry on banking in the F.R.G. (242 7/13 Berkholtz-MN)  
17715 1224 DW GG; nx, review, Siemens manager killed (242 7/13 Berkholtz-MN)  
17825 1541 DW EE; interview (232 7/25 Berkholtz-MN)  
21600 1355 DW Amharic; IS, GG/Amharic ID, nx w/lead story on Sir Geoffrey Howe's visit to S. Africa (232 7/12 Westenhaver-QU)



GREAT BRITAIN British Broadcasting Corporation  
3955 0639 BBC EE; // 6195, 7230 & 9825, feature on Dire Strait's song Walk of Life, EE by Radio (333 6/15 Havrilko-U.K.)  
5975 2359 BBC EE; ID, TC, wld nx, "Nx about Britain," "Radio Newsreel" (444 7/27 Dillon-MD) 0341 EE; discussion of Standard Charter (444 7/17 Brown)  
6040 0401 V. of America relay EE; nx, Iran-Iraq War, Kenya to boycott Commonwealth Games (444 7/12 Brown-IL)  
7170 0407 V. of America relay EE; nx, S. African Gov't withdraws restrictions on trade union meetings (433 7/10 Brown-IL)  
7185 0508 BBC EE; wld nx, "24 Hours" (433 7/7 Rocker-MS)(Brown-IL)  
7200 0335 V. of America relay EE; rpt on fossil fuels, SSB QRM (433 7/22 Balt-IL)  
7325 2345 BBC EE; "Brain of Britain," nx bulletin, "Nx about Britain" (544 7/21 Winiarz-QU)(Dillon-MD)(Brown-IL)  
9410 0325 BBC EE; "The World Today," wld drug trade (444 7/10 Brown-IL)  
9915 0155 BBC EE; review of upcoming pgms (555 7/10 Brown-IL)  
11840 0557 R. Canada Int'l relay EE; nx, wx, closing anmts in EE & FF, 0559\* (243 7/8 Rocker-MS)  
15070 1151 BBC EE; Radio Play (343 7/13 Berkholtz-MN) 2023 EE (444 7/12 Brown-IL)  
15270 1421 V. of America relay Lithuanian; contry, nx summary, QRM & jamming (222 7/24 Berkholtz-MN)  
17705 1507 BBC EE; nx, // 15070 (232 7/24 Berkholtz-MN)  
17715 1537 BBC AA; AA mx, ID, "Min Lundun," "al-qismu ul-'Arabi" (i.e. Arabic svce), // 15180 (232 7/26 Dillon-MD)  
21710 1430 BBC EE; invitation for Royal Wedding ceremony (122 7/21 McEntee-TX)

GREECE Voice of Greece  
7205 0220 V. of America relay EE; "Tuesday Morning," to S.E. Asia (222 7/15 McEntee-TX) 0137 EE old Chaplin films (433 7/21 Brown-IL)  
7430 0345 VOG EE; accusations of Turkish military activity, EE till 0350 (7/3 Jones-TX)(Dillon-MD)(Winiarz-QU)  
1940 VOG FF; YL w/nx, ment of Reagan & Thatcher (544 6/26 Havrilko-U.K.)  
9395 \*0130 VOG EE; ID by OM, nx, 0140\* (7/29 454 Krist-VA)  
1927 VOG EE; end of nx, ID, mx, // 9420 & 7430 (433 8/1 Phillips-PA)  
9420 0123 VOG Greek/EE; Greek vocals, Greek & EE ID, 8-minute nxcast @ 0132, // 9395 & 7430 (454 7/4 D'Angelo-PA)(Balt-IL)(Brown-IL)(Mezek-CO)  
9470 0115 VOG EE; YL, ID, mx (333 7/5 Langlois-FL)  
11645 1545 VOG EE; wld nx, Greek mx (444 7/23 Merchant-NH)

HUNGARY Radio Budapest  
6025 0100 RB EE; wld nx, listeners mx request & questions, some DX info, IS (333 7/13 Dillon-MD)(Westenhaver-QU)  
0215 RB EE; sked of DX pgm, mx by Michael Jackson, // 9835, 9520, 12000 (423 7/24 Balt-IL)  
9520 0122 RB EE; tlk on Hungarian economic cooperation w/ the West, spts (423 7/8 Rocker-MS)(Brown-IL)  
9835 \*0100 RB EE; nx, "Magazine 90"-question & answer type pgm (444 7/26 Krist-VA)  
11910 2005 RB EE; ID, freqs, lost in QRN (333 7/27 Phillips-PA)(Sampson-WI)  
\*2300 RB SS; nx of Nicaragua, DX tips for Latin Am, pop ballads (545 7/18 Robinson-TN)  
12000 \*0100 RB EE; contry, intvw about European hang gliding championships (444 7/20 Krist-VA)(Brown-IL)

ICELAND Iceland State Broadcasting Service  
13758 1210 ISBS Icelandic; YL & OM, choral mx, nx, ment of N.Y. Times (544 7/6 Havrilko-U.K.)

IRELAND Radio Dublin International  
6910 0030 RDI EE; ads for Houston's disco bar, rock mx, CW QRM (233 7/31 Hill-MA)  
0130 RDI EE; American pop & rock mx (434 7/28 Merchant-NH)

ITALY Radiotelevisione Italiana  
6215 0440 Adventist Wld R. FF AA; religious pgm, FF/EE ID @ 0445 (343 7/12 Hill)  
9575 0100 RAI EE; nx read slowly by YL, rhythm & blues mx, QRM Norway (322 7/26 Balt-IL)(Brown-IL)(Krist-VA)  
15330 0533 RAI AA; IS, chimes until 0535, tlk (152 7/8 Rocker-MS)  
17715 1400 RAI II; pop mx, 1425 left freq (121 7/10 McEntee-TX)  
17780 1659 RAI II; IS, ID, to Africa, wld nx, possible jamming (222 7/26 Dillon)

LUXEMBOURG Radio Luxembourg  
6090 2345 RL EE; wld nx, wx rpt, American rock mx (444 7/27 Merchant-NH)  
0645 RI GG; OM w/tlk, mx, commercial ad for Audi (544 7/4 Havrilko-U.K.)

LUXEMBOURG continued

15350 0050 RL FF; Roxy mx, nx @ 0100, rock mx (433 7/20 Winiarz-QU)  
 15420 2045 RL FF; intvw mixed w/ mx (333 7/22 Brown-IL)

MALTA Deutsche Welle relay

6085 0110 DW EE; comtry on attempted assasination of Hitler on 7/20/44,  
 "Letter from Berlin," opera by Mozart (444 7/21 Winiarz-QU)

NETHERLANDS Radio Nederland

6020 1916 RN EE; "SW Feedback" (555 6/14 Havrilko-U.K.)  
 9895 0250 RN EE; "Media Network," report on ANARCON '86 (344 7/25 Loturco-NY)  
 11740 2035 RN EE; "Newsline" on Hassan/Peres tlks (333 7/22 Wakefield-IA)(Brown)  
 11935 0715 RN DD; financial nx, European wx, correspondence reports (343 7/22  
 Westenhaber-QU)  
 13770 1433 RN EE; nx, ID (222 8/5 Brown-IL)  
 15560 1135 RN EE; "Happy Station," Asian svce (343 7/20 Balt-IL)(Berkholtz-MN)

NORWAY Radio Norway International

9580 0000 RNI Norwegian; IS, EE ID @ 0000 (322 7/10 McEntee-TX)  
 9615 0155 RNI Norwegian; IS, s/on anmts ment 9605 instead of 9615, nx by YL,  
 lead story on S. Africa, // 9580 (443 7/5 Westenhaber-QU)  
 9620 0055 RNI Norwegian; wx for N. Atlantic, s/on anmts (433 7/7 Westenhaber-QU)  
 15250 1412 RNI EE; tlk abt tourists in Norway stealing "Elk Crossing" road signs  
 as souvenirs, // 15310 (333 7/13 Westenhaber-QU)  
 15310 2000 RNI EE; nx, discussion on limiting whaling (333 7/6 Shaffer-PA)(Neff)

POLAND Radio Polonia

6135 1730 RP EE; nx, profile of a 19th Cent. Polish composer, 1759\*, het, QRN  
 (332 7/12 Kaessinger-F.R.G.)(Havrilko-U.K.)  
 7145 0219 RP EE; DX Club Show, Polish pops, 0231 ID, freqs, nx headlines,  
 // 7270 (great 7/11 Miller-PA)(Coleman-MA)  
 7270 2328 RP EE; violin solo, folk songs (333 7/14 Levison-PA)(Robinson-TN)  
 9525 0330 RP EE; tlk about wx in Poland, ID, mx (323 7/22 Balt-IL)(Westenhaber)  
 9675t 2012 RP EE; Polish press review (322 7/27 Phillips-PA)  
 11815 0335 RP EE; Review of last week's Polish Comm. Party Congress (433 7/8  
 Westenhaber-QU)

PORTUGAL Radio Portugal

6025nf 0126 RP PP; IS, NA, nx de OM (232 8/4 Westenhaber-QU)  
 9715 0300 RP EE; nx, new stamp honoring a pirate, mx (444 7/15 Brown-IL)  
 11915 0120 R. Liberty RR; ID "Govorit R. Svoboda," bell IS (132 7/22 McEntee-TX)  
 15355 1315 R. Free Europe Hungarian; EE pop songs mostly British (232 7/1  
 Westenhaber-QU)  
 17835 1705 R. Free Europe Czechoslovak; nx (242 7/5 Berkholtz-MN)

ROMANIA Radio Bucharest

9570 0400 RE EE; children's congress, folk mx, OM & YL (222 7/14 Sable-PA)

SPAIN Radio Exterior de España

6055 0105 REE EE; wld nx, guitar rendition of IS as bridge, SS folk mx (gd 7/8  
 Sheedy-CA)(Rocker-MS)(Krist-VA)(Brown-IL)  
 15125 2102 REE SS; nx, jingle ID w/ castanets, jamming on 15130 (323 7/11  
 Westenhaber-QU)  
 15375 1848 REE EE; nx, "Friday Mx Break" (454 7/25 Krist-VA)(Havrilko-U.K.)  
 17845 1510 REE SS; nx, comtry (232 7/24 Berkholtz-MN)  
 17890 1600 REE SS; castanets, ment of Expo '86 (343 7/27 Westenhaber-QU)

SWEDEN Radio Sweden International

9615 1100 RSI EE; nx, tlk, features; // 9630 (444 7/21 Romanin-Italy)  
 11705 0328 RSI EE; IS, "Sunday from Stockholm" (433 7/21 Brown-IL)

SWITZERLAND Swiss Radio International

9680 2038 SRI SS; "Antena" pgm of answer's to listeners letters (433 7/6  
 Westenhaber-QU)  
 11745 1008 SRI EE; wld nx, Swiss volunteer killed in Nicaragua (322 7/30  
 Phillips-PA)  
 12030 2354 SRI GG; comtry (333 8/2 Berkholtz-MN)  
 15070 1332 SRI EE; nx, Tanzania to boycott Commonwealth Games, rpt on Malaysian  
 Red Cross (333 7/13 Brown-IL)  
 15570 1350 SRI EE; "Swiss SW Merry-Go-Round" (555 7/26 Campbell-CT)(Berkholtz-MN)  
 15585 1103 SRI EE; nx, "Dateline," wx, "M-G-R" (343 7/19 Krist-VA)

SWITZERLAND continued

17830 1530 SRI EE; wld nx, "The Grapevine" (343 7/20 Balt-IL)(Brown-IL)

U.S.S.R. Radio Moscow

7165nf 0216 R. Kiev EE; tlk on food production & trade organization, IS, // 7175 (333 8/1 Sampson-WI)  
 7330 1800 R. Kiev EE; nx, comment, "Ukraine Today," mx, 1827\*, QRM BBC on 7325 (533 7/17 Kaessinger-F.R.G.)  
 9490 0120 R.S. Peace & Progress Nikolayev Ukraine (UHN); SS; inst mx, ID "Emissora Paz y Progreso," tlk by OM (455 7/8 Rocker-MS)  
 9580 1845 RM EE; mx of Klachycle (spelling?), propaganda on Western nx media (434 7/6 Emerson-OR)  
 9655 1523 RM EE; "Nkreel," nx in brief, U.S. nuke test today (252 7/17 Sampson)  
 9665 1928 R. Afghanistan relay EE; tlk of Afghan revolution claiming the U.S. is supporting the Afghan rebels (533 6/25 Havrilko-U.K.)  
 9765 0215 RM Lvov Ukraine (RDI): EE; tlk, Chernobyl report, Nicaragua celebration of 7th Anniv. of People's Revolution (544 7/20 Alexander-NJ)  
 9800 1507 RM EE; "Top Priority" w/ tlk about USSR-French relations, RR by Radio @ 1530 (242 7/13 Soomre-MA)  
 9865 0150 RM EE; "Tonight," stary about derigibles, QRM de HGJB (323 7/24 Balt)  
 11750 0300 R. Orbita 4 RR; TP, ID, OM w/nx (332 8/1 Mezek-CO)  
 11845 0150 RM Ulyanovsk ERSFSR: EE; Hung. pop mx, to S.E.Asia (433 7/8 Westenhaver-QU) site via Orbita  
 11895 0331 RM EE; discussion of U.S. & it's reaction to Soviet proposals (444 7/13 Brown-IL)  
 11950 1500 RM Kharkov? Ukraine (UHN): EE; wld nx, Reagan, Chernobyl Aid Fund (131 8/10 Sampson-WI)  
 12065 0208 Mayak RR; mx, 0210 TC for 0610 Moscow time, "Int'l Diary," light mx (333 7/12 Westenhaver-QU)  
 13615 1308 RM EE; rpt on Wld Chess Championship, "News & Views" (433 8/5 Brown-IL)  
 15225 1156 RM Krasnodar ERSFSR: EE; promo for essay contest on the theme "Live Together, not perish Together," "Moscow Nights" (343 7/30 Westenhaver)

R. Tashkent b/c in EE at 1200-1230 & 1330-1400 moved from 7340 to 7325, // 9650, 9715, 11785 & 15460 (R. Australia's JJ DX Pgm via SWL Digest 8/10)

VATICAN CITY STATE Vatican Radio

6250 1910 VR II; Mass held most likely by the Pope (544 7/5 Havrilko-U.K.)  
 9605 0130 VR EE; OM, nx, contry on Pope's visit to SAM (444 7/9 Langlois-FL)  
 9615 2318 VR VV; tlk de OM & YL w/ments of Vatican, "Laudetur Jesus Christus" @ 2322\* w/out mx or IS (343 7/31 Westenhaver-QU)  
 9645 0530 VR II; ID, Latin Mass, much QRM (222 7/7 Rocker-MS)  
 1945 VR FF; OM w/tlk, // 6190 & 7250 (544 6/26 Havrilko-U.K.)  
 2010\* VR EE; YL, tlk of praying (422 7/27 Phillips-PA)  
 9650 0501 VR FF/EE; IS, ID, reflections on today, readings & gospel, Nxdesk-Pope meets w/ 200 Bishops (444 7/27 Brown-IL)  
 11740 0528 VR II; IS, ID, Latin Mass, EE @ 0532 (fr-gd 7/22 Sheedy-CA)  
 11845 0050 VR EE; QRM RCI, Church nx @ 0104 (311 7/22 McEntee-TX)  
 17730 1545 VR EE; nx to Africa, number of new priests is increasing, QSB (242 7/22 Goodman-IA)  
 17840 1543 VR II; contry, "...dos Catolas..." (242 7/25 Berkholtz-MN)  
 21485 \*1115 VR EE; nx, intvw about U.N. Commission of Human Rights, 1129\* (252 7/20 Krist-VA)

WEST BERLIN RIAS-Berlin

6005 1940 RIAS GG; YL w/ tlk, funk rock format (444 7/5 Havrilko-U.K.)

YUGOSLAVIA Radio Yugoslavia

7240 2115 RY EE; nx, contry on Mitterand's USSR visit, ARO QRM (333 7/12 Hill-MA) 1915 EE tlk on socialism (433 6/25 Havrilko-U.K.)

PIRATE

6206 0940 R. Scorpio EE/GG; tlk, gave address in Netherlands (343 6/24 Havrilko)  
 6230 1030 R. E. Coast Int'l EE; ID, address in England (333 6/29 Havrilko-U.K.)  
 6240 0822 Free R. Svce via R.R.I., address in Holland (444 6/15 Havrilko-U.K.)  
 0943 R. Rainbow Int'l EE; ID, to E. Coast of Ireland, mx from John Forgerty, address in Ireland (343 6/15 Havrilko-U.K.)  
 6258 0935 Super Clan R. EE; OM w/ID, address Netherlands (333 6/15 Havrilko)  
 6280 1003 R. Limit Int'l via W.S.R.I.: EE; address F.R.G. (243 6/15 Havrilko)  
 1200 W. Side R. Int'l EE; OM w/ID, rock mx, address Ireland (222 6/29)

# Africa

Al Quaglieri • P.O. Box 888 • Albany, NY 12201-0888

All times and dates UTC: Frequencies in Khz: \*0000 = s/on, 0000\* = s/off.

Submission Deadline is the 12th.

OK, vacation time is over. Everybody grab a dustcloth and wipe the cobwebs away from your receivers...we have serious work to do here, involving long hours and no pay...that's how obsessions work!

## LOGGINGS FOR SEPTEMBER, 1986

### ALGERIA

9509.2 0836 R. Algiers: FF; usual pgm of FF pop mx and W dj. 322(7-23 ed.)  
 15215 2001 R. Algiers: EE; mx, M ancrr @2002 "You are tuned to R. Algiers", foll by  
 nx w/mx between items. Lo mod level, audio hum, no //s hrd. 433(7-23 ed.)  
 17745 1930 R. Algiers: FF; brief ID foll by weird ME vcl mx, lo mod, //15215. No  
 discernable modulation after 1932, carrier still on. 222(7-23 ed.)  
 [Station continues to announce 9510, 9640, 15160 for its EE b/c, none hrd here.-ed.]

### ANGOLA

[Richard Ginbey hears Luanda back on 4953 with a poorly-modulated signal from 1800-0600.  
 --via RNederland Media Network]

### ASCENSION ISLAND

6005 0445 BBC Relay: EE; Big Ben, Reflections on the Commonwealth. 333(8-3 Brown-IL). @0235 M w/mx prg, ID @ 0300. 233(7-27 Berri-CA)  
 7160 0401 BBC Relay: EE; Nx: Israel bombs Palestinian camps. 333(7-10 Brown-IL)  
 9600 0337 BBC Relay: EE; African Nx: report on Ethiopia. 333(7-12 Brown-IL)  
 9915 2358 BBC Relay: EE; pgm preview, ID, TC, W w/nx. 433(7-26 Brewer-AR). @0150 w/  
 radio drama. 434(7-20 Berkholtz-MN). @2300 Nx. (S10???)(7-20 Wimmers-VA)  
 15260 2058 BBC Relay: EE; Business Nx, pgm notes, nx. 444(7-24 Brown-IL)

### BENIN

4870 2255 LV de la Revolution(t): FF; M ancrr over lotsa UTE QRM, into probable NA  
 and close @2300\*; lo modulation. 322(8-5 Havrilko-UK)

### BOTSWANA

4820 0350 R. Botswana: Sets; farm animal IS to 0400 s/on package. QRM Honduran. 433  
 (7-31 Havrilko-UK). @0540 w/pop mx, //7255. 323(Balt-IL)  
 [Andy Sennitt reports that R. Botswana's Chief Engineer has, for the moment, decided to  
 answer listener reports, i.e. it will now QSL. - via Media Network. Boys and girls,  
 let's keep this one on our sides...make sure your reports are accurate, neat, thorough,  
 polite, and non-demanding, and send 'em some return postage, preferably mint stamps  
 (from Botswana, of course!). -ed.]

### BURKINA-FASO

4815 0605 RTV Burkina: FF; local mx mixed w/some U.S. mx, ancmts/ID. 343(7-13 Van  
 Horn-FL)  
 7230 0809 RTV Burkina: FF; rhythmic call/response mx, M dj w/TC & ID, Afropop mx.  
 353(7-23 ed.)

### CAMEROON

4795 2250 R. Douala: FF; M tkl over hilife mx, ID, close w/NA @2306\*. 444(Hav.-UK)  
 5010 0500 R. Garoua: EE; local nx items, into FF nx @0512. 333(7-22 Jones-TN).  
 @0523 in Hausa? (acc to WRTH); 243(7-23 Balt-IL). 322(7-13 Van Horn-FL)



CAMEROON (cont.)9745 2200 R. Cameroon: FF; Balafoon IS, ID/anmt, lcl mx. 333(7-10 VanHorn-FL)CANARY ISLANDS15365 2310 R. Ext. de Espana Relay: SS; M w/world nx, W w/sports, REE ID @2323, canned ID, tennis scores. 343(7-27 Dillon-MD)CHAD4920 \*0455 RN Tchadienne: FF; At last! Quito gone, Balafoon IS to 0459, quick NA, kids' chorus, ID/freqs, then nice salsa-type mx. gd(7-29 Sheedy-CA). 454(7-27 Weiss-OH). @1750 in FF/AA/Vern. 444(8-8 Havrilko-UK)DJIBOUTI4780 0615 R. Djibouti: AA; "bouncy" mx, w/abrupt stops and slow M tkl in AA. 312(7-23 Balt-IL). [Gotta take your word on this one, Steve....I've never hrd anything remotely "bouncy" from hr, especially at this late hour.-ed.]EGYPT9475 0250 R. Cairo: EE; W tkl abt Egypt, answering ltrs, etc. Poor signal, and muffled audio [their trademard-ed.]. 252(7-20 Donegan-CA). 222(7-12 Pike-NM). 333(8-1 Mezek-CO). 333(7-15 Brown-IL). 454(Campbell-CT). 443(8-6 Bradley-MA)11665 0700 R. Cairo: AA; big-Ben-type chimes, soft-spoken W w/nx. 333(7-20 Havrilko-12050 1815 R. Cairo: AA; Qur'an recitation, W ID "Min al-Qahirah", nx @1833, w/ [UK] temps in Egyptian cities. 433(7-15 Dillon-MD)ETHIOPIA9560 1500 VO Revolutionary Ethiopia: EE; IS, M ID, inst mx, tkl of revolution; fade by 1515, overtaken by RMWS. Was looking for Amman. [So are you complaining?-ed.] 232(7-5 Soomre-MA)GABON4830 0540 Africa #1: FF; FF pops, ID @0550, more of same. 444(7-13 Van Horn-FL). @ 2209 slight RTTY QRM. 444(8-5 Havrilko-UK)7135 0446 RFrance Int'l Relay: EE/FF; EE nx to 0455, M/W in FF w/sked; pips & ID @0500 into FF nx, splitting from //9800 & 6055 where SS followed. fr-gd(7-8 Sheedy-CA)7200 0805 Africa #1: FF; end of nx read by W; M w/cmtry?, ID @0813. 353(7-23 ed.)9645 \*2300 R. Japan Relay: EE; nx, Current Affairs, Asia Now. 333(7-15 Krist-VA). 444(7-12 Brown-IL)15200 1654 Africa #1: FF; usual pops/dj combo ends mid-song for freq switch. New unid het @2 kHz up. 333(8-21 ed.)15475 1950 Africa #1: FF; play abt chasing & shooting a dog, mni sound effects [are you sure it wasn't a live news report?-ed.]. ID @2000. 454(7-2 Hesch-NY). 555(7-20 Weiss-OH). 444(Dillon-MD). 444(7-13 Brown-IL)21700 1508 R. Japan Relay: EE; end M nx, cmty on fishing rights. 353(8-20 ed.)GHANA3366 2230 GBC: EE; W w/African nx, African mx. 333(7-27 Merchant-NH). @0600 ID, TC, W w/nx. 342(7-23 Balt-IL)4915 0536 GBC: Vern/EE; tribal mx, lengthy M tkl, mx; IS, EE ID/TC @0600, foll by M w/local EE nx. 343(7-19 Thompson-CA). 444(7-13 VanHorn-FL). 322(8-5 Brown-IL)IVORY COAST6015.9 \*0600 RTV Ivoirienne: FF; s/on w/usual data & into Afropop mx. 7215 not hrd tonite; 1st time noted this far off freq. Vy gd (7-29 Sheedy-CA). 454 (7-19 Weiss-OH). 322(7-12 McEntee-TX). 343(7-22 Hill-MA).9620 2130 RTV Ivoirienne: FF; indig chants to nx @2200, then pop mx. S/off noted @ 0002\* w/NA. 233(7-15 McEntee-TX). @2310 Jazz pgm w/lotsa Charlie Parker mx; IDs by M/W. 444(7-10 Sable-PA). 444(Brown-IL)11920 1810 RTV Ivoirienne: FF; soccer match from Abidjan, halftime @1830; plenty ments of Abidjan/Ivory Coast. 454(7-13 D'Angelo-PA). 433(7-20 VanHorn-FL). gd (7-16 Cereghin-MD)KENYA

[Richard Ginbey reports sked in EE as \*0200-0630 on 6050, 0630-1400 on 7270, and 1400 to s/off (2010? 2110?-ed.) on 6100.--via Media Network. Pretty slim pickin's for those of us in NAM, but then we never were part of the target area....all we can do is keep checking for poss 31/25mb xmsns, or wait 'til mid-winter and look for the 60m s/off.s.ed.]

LESOTHO

4800 0515 R. Lesotho: EE/Sesotho; Nx, wine ad, PSA, rpt on chemical hazards, TCs for UTC+2, into Sesotho @0530. gd(7-8 Sheedy-CA). 332(7-31 H'rilkoo-UK)

LIBERIA

3255 0535 ELBC(t): ??; indig African mx, hvy QRN. 212(7-23 McEntee-TX)  
 7280 0645 VOA Relay: EE; Daybreak Africa: rpt on RSA economy. 333(7-23 Balt-IL)  
 9760 1855 VOA Relay: EE; special EE tlk abt credit cards. fair(7-14 Cereghin-MD)  
 17870 1600 VOA Relay: EE; mx, Nightline Africa: OAU pressures UK over RSA. 222(7-27 Wimmers-VA). 333(7-26 Dillon-MD)

LIBYA

13650 1759 R. Jamahiriyyah: AA; ME mx ends, 6 pips, W w/ID and nx. "Buzzsaw"-type QRM on freq..hard to tell if it's a jammer, RTTY, or their xmtr problem. Thanks for tip to Bryan Sharpe-CA, who noted s/on @\*1700. 433(8-21 ed.)  
 17895 1920 R. Jamahiriyyah: AA; speech on Arab nationalism, revolutionary mx; ID @ 1940. Weak and fading. 232(7-27 Dillon-MD)

MADAGASCAR

7285 0400 R. Nederland Relay: EE; Nx, Nxline: Gold mines in New Guinea. 433(7-15 Brown-IL)  
 9540 2027 RN Relay: EE; African Sce: Nx, Nxline, Media Net. 433(8-7 Bradley-MA). //9715..both SIO 333(7-27 Dillon-MD)  
 9715 2036 RN Relay: EE; Nx, Nxline:Italy labor probs. 322(7-26 Brown-IL). 343(7-31 Soomre-MA)

MALI

4783 \*0600 RN du Mali: FF; March, s/on anmts, tribal mx. QRM de SS #s stn @0701. Hrd poorly almost every nite. 232(7-29 Thompson-CA)  
 4834 2312 RN du Mali: FF; W/M tlk, sounds like soap opera. //4783.1. 433(8-8 Hav-UK)  
 4835 2220 RN du Mali: FF; Stones mx, M dj. IS @2239. QRM Gabon 4830. 444(8-5 Havril-ko-UK)  
 7285 0818 RN du Mali(t): FF?; lengthy mx piece..koto-type instr w/W vocal in vern. Faded by 0845, no ID hrd. 353(7-23 ed.)

MOROCCO

9575 2015 Medi Un: FF; mni IDs, rock mx frm ZZ Top, etc. 343(7-15 Campbell-CT)  
 9795 0450 R. Monte Carlo Relay: FF; slick-sounding blend of Western/European pops & jazzed-up AA mx. Singing "Radio Monte Carlo" and "R-M-C" IDs. Good sig, some QRM de RFI/Montsinery on 9800. (7-16 Cereghin-MD)  
 11760 1948 VOA Relay: EE; Willis Conover w/Mel Torme mx. 322(7-20 Shaffer-PA)  
 11920 2245 RTV Marocaine: AA; mni M vcls nx @2300 & 0000, and M w/interview after each nxcast. 444(7-29 Weiss-OH).  
 13695 1431 RM Relay: AA: FF/AA pops, W dj; produced ID @1459 "R. Monte Carlo...hit parade...", then another W AA ID, M w/AA nx. 454(8-8 ed.)

MOZAMBIQUE

[Emissao Interprovincial de Maputo e Gaza has again been noted on 4926, variable up to 4937 kHz, according to Sweden Calling DXers. S/on listed as 0255.]

NIGERIA

4770 0435 R. Nigeria-Kaduna: EE; rlg pgm, nx brief @0439, ID "Radio Nigeria Kaduna", pop mx. 333(7-4 Shaffer-PA). 433(7-28 Merchant-NH). 232(8-3 Hill-MA). 333(7-23 Balt-IL)

[Mr. Friday I. Okoiloise of the AFRICA DX ASS'N reports that Ibadan/6050 was off earlier this year due to technical problems, but is now b/c'ing its regular program, although with low power. Kaduna State B/C Corp (KSBC)/6175 has been irregular due to both shortage of funds and internal re-organization; its current signal is heard with distortion caused by over-modulation.]

RWANDA

9565 0445 Deutsche Welle Relay: EE; GG mx, rpt on Chinese Prime Minister's visit to Africa. 322(7-24 Balt-IL)  
 11730 0135 DW Relay: GG; M/w tlk, ID @0145, nx. 444(7-12 Pike-NM)  
 15270 2156 DW Relay: GG; ID in FF, then nx. 433(7-26 Berkholtz-NM). 333(7-12 Brown-IL)

SENEGAL

7170 0829 RTV Senegal(t): Vern/FF; 2 M shouting in vern, mx interlude @0832, foll by M w/nx in FF. Under VOA Monrovia. 211(7-23 ed.)  
 11895 1209 RTV Senegal(t): FF?; M w/nx in FF?, brief mx @1210, W tlk FF. Hvy QRM de VOA 11890 in SS. poor(7-23 ed.)

SEYCHELLES

9590 1603 FEBA: EE; end of world nx to 1610, then M w/closedown anmts, IS & gone.  
 QRM de NSB/9595. poor(7-14 Sheedy-CA)

11755 0408 FEBA: AA; rel mx introduced by M, tlk by M/W, fadeout @ 0422. 232(7-11  
 Shaffer-PA)

[FEBA has instituted a new DX program, called "DX POSTBAG", on Sundays @0715 on freqs  
 of 15120 and 17795 kHz.--SCDX]

SIERRA LEONE

[The transmitter on 5980 is still active, but is using a spare xmtr tube while awaiting  
 its replacement. Sked is 2000-0100 only.--via Mr. Friday I. Okoloise-Nigeria]

SOUTH AFRICA

3215 0153 R. Orion: Afk; US pops & EZL mx, IDs @0200. 322(7-24 Van Horn-FL)

3320 0434 SABC??; unid; possibly in Afk, wk signal noted w/hvy QRN and UTE data-  
 bursts. I believe this was reported here a few months back; pgm was all  
 tlk; no other 90m Afros in. Vy poor(7-16 Bereghin-MD)

4880 0535 R. RSA: Afk; classical mx, nx. 242(7-23 Balt-IL)

5980 0154 R. RSA: EE; IS, ID, nx. 211(8-4 Brown-IL)

6010 0224 R. RSA: EE; disc of RSA foreign relations. 322(7-16 Shaffer-PA). 333(7-  
 16 Brown-IL). 343(7-14 Wright-MB)

9615 0224 R. RSA: EE; Africa Today, Made in Africa. 333(8-5 Mezek-CO). 333(7-23 Lord-  
 CA). 433(7-27 Brown-IL). 433(7-24 Balt-IL)

11900 0725 R. RSA: EE; ID, ancr gives target areas. 433(7-20 Havrilko-UK)

[Acc to Bill Westenhaver-QUE, this channel replaced by new 11775 kHz.]

15185 1715 R. RSA: GG; letters from listeners. 343(7-5 Berkholtz-MN)

[Per phonecall to Meyerton, latest frequencies for 0200 b/c to NA are 6010, 6075, and  
 9610 kHz. The things I don't do for youse guys! -ed.]

SOUTH WEST AFRICA

3270 2222 R. SWA: EE; boring mx, brief EE ID over mx @2259, foll by guitar IS. 443  
 (8-8 Havrilko-UK)

TANZANIA

11734.4 1755 R. Tanzania Zanzibar(t); Swahili; M tlk to 1800, drum interval, and usual  
 nx w/W. Pulled plug @1810\*. No ID hrd, but 1st time noted in a few months.  
 Vy wk(8-1 Sheedy-CA). @1647 conversation between M/W to 1657, mx to 1700  
 with presumed ID and IS, foll by pgm hosted by W. No KCBI @1700!. Lots  
 of static & fades. 151(7-13 D'Angelo-PA)

TOGO

5047 0527 R. Togolaise: FF; chime IS, Togo NA @0530, ID w/freqs, hymn, poss nxcast.  
 434(7-13 VanHorn-FL)

7249.9 0814 R. Togolaise: FF/vern; ingid vcl mx to FF W ment Togolaise, then M in  
 vern. Deep fades, lo-freq het, unusable by 0820. 242(7-23 ed.)

TUNISIA

7225 2230 R. Tunis: AA; ID, M recitations, stringed mx w/applause; nx of Arafat @2320.  
 444(7-23 Robinson-TN)

[Tunis noted in AA on 7310 @1900, //12005. --via SCDX]

UGANDA

5026 0409 R. Uganda: EE; M w/nx: Nat'l Resistance Movement, Kampala Med Ctr; ID @  
 0412, more nx to 0420 when audio dropped to vy low level, carrier OK.  
 [I thing it's 'cuz the nx is prerecorded, and the following live ancr  
 runs vy lo mike level.-ed.]. Fr(7-18 Sheedy-CA). @0410, tough copy due  
 to QRN & hvy accent, freq mentions of Kampala & Uganda. 222(8-3 Hill-MA)

CLANDESTINE

[R. SPLA/Voice of the Sudanese Revolutionary Armed Struggle, beamed to Sudan from Ethiopia,  
 is now using 9705 kHz in vern from 1100-1200, and in EE/AA at 1300 and 1400. -Ginbey/RNMM.  
 Voice of the Black Cockerel Resistance, the UNITA radio, transmits from Jamba (in SE  
 Angola---not on any maps) on this sked: 0600-0700 on 7155, 5850; 1100-1200 on 9600, 5850;  
 1500-1600 on 7155, 4935; 1930-2030+ on 7155, 4935. Test xmsns 0700-0900 on 9450, 5850;  
 also 1300-1500 on 5850, 9450, and 1700-1900 on 4935 and 7315. The xmtr located in RSA  
 using 4973v from 0330-0530 and 1730-1930. -Ginbey/RNMM.  
 Forgot to run this last month: US address for R. Truth: c/o Mr. Stanley Hatfield, POB  
 815, Silver Springs, MD 20910.--Bill Harms-MD/Hauser/World of Radio.  
 Finally, a British pirate calls itself Radio Orion, and uses 6240 and 6266 kHz. Don't  
 confuse this with the SABC service! --via SCDX.]

>>>>What the hey, I'm outta room! Thanx to all contributors this month. How about some  
 reports from the rest of you? I know you're hiding out there! CU in 30.....

B, Al



**Bob Thunberg**  
**409 Burt Street**  
**DuBois, PA 15801**

**DEADLINE: 12th**  
**Dates/Times: UTC**  
**Frequencies: KHz**

Once again the US Postal Service has let me down. Those loggings sent to our CDE Peggy Thompson have, as yet, not arrived at my QTH. I have waited until 15 August to begin the column and will have to go ahead without what is normally  $\frac{1}{2}$  to  $\frac{2}{3}$  of my monthly number of contributions. If they happen to show up in the next few days, I will include what I can, so please don't blame me nor Peggy if your loggings are not found in this month's listing. This may be a short column as I have to depend on those loggings from just 21 direct contributors.

With this column, I am introducing the use of a new abbreviation, "p", to indicate probable loggings. I feel that this will come in handy for stations heard in langs other than EE where the monitor has not heard an actual ID but for various reasons is quite sure he has logged the station indicated. This will be especially useful for countries such as the P.R. of China, where IDs are hard to distinguish, but the listener feels he has enough info as to the identity of the station to give it more than a tentative (t) rating. I will use the "p" where I feel it is appropriate and I encourage all A/O contributors to do so also.

<u>BANGLADESH</u>		<u>R. Bangladesh</u>
6240	1839	RB: EE: OM w/ID, freq sked; US pop mx (343 8/9 Havrilko-UK)
17653	1236	RB: EE: YL w/nx, spts etc; operatic mx @ 1243; fluttery-only readable on occ. peaks. // weaker 15525 (232 7/24 Quaglieri-NY)
RB hrd @ 1200-1300 on 17800 w/EE from 1230. [David Bainen (sp?), SCDX, 8/12]		
<u>CHINA (PEOPLE'S REPUBLIC)</u>		<u>Central People's Bcast Stn; R. Beijing</u>
5950	1340	CPBS Haerbin: CC: CC class mx, ID by YL & Poss. s/off @ 1400; fading badly (242 7/21 Sharpe-CA)
7504p	1119	CPBS Beijing: CC: lcl pop mx, YL tlk; // 7516 (121 7/21 McEntee-TX)
9535	1100	RB: EE: tlk on "old economic habits"; CC folk tales (444 7/19 Robinson-TN) tlk on remarriage of widowed survivors of 1976 earthquake (333 8/1 Westenhaber-QUE) (444 7/23 Brown-IL) (333 7/23 Quaglieri-NY)
11600	1745	RB: EE: CC mx, tlks; s/off w/IS @ 1755 (332 7/28 Havrilko-UK)
11650	1127	RB: EE: tlk es economy; bad lcl QRN (122 7/21 McEntee-TX)
<u>CYPRUS</u>		<u>British Bcast Corp</u> <span style="float: right;">UK)</span>
9580	0619	BBC: EE: tlk of fallout btwn the Queen & Mrs Thatcher (333 7/27 Havrilko-UK)
<u>INDIA</u>		<u>All India Radio</u>
7412	2100	AIR Delhi: EE: ID, wld nx incl item on S. Africa (533 7/25 Havrilko-UK)
9675p	0745	AIR Delhi: OM tlk; hrd // 9610 (242 7/21 Mezek-CO) lang was URDU
<u>IRAN</u>		<u>V. of the Islamic Republic of Iran</u>
9022	2010	VOIRI: EE: YL reads names & addr of listeners (544 7/25 Havrilko-UK)
11895	1959	VOIRI: AA: tlk, Tehran's usual chimes, ID, fanfare into nx (343 7/11 Westenhaber-QUE)
15084	1118	VOIRI: EE: Qur'an; nx @ 1125; xmtr trouble @ 1232 (544 8/8 Havrilko-UK)
	0315	FARSI: OM w/intvw, mx, TC @ 0330
	0530	SS: ID "Esta es Tehran..", NA, opening anmts (354 7/8 Rocker-MS)
<u>IRAQ</u>		<u>Sawt ul Jamaheer; R. Baghdad</u>
9635	0157	SuJ: AA: AA mx; @ 0200 Westminster chimes for 6 o'clock; anmt, fanfare & nx by YL; IDs @ 0207 & 0210; splash de REE-9630 (333 7/15 Westenhaber)
11750	*0000	RB: EE: Nightingale IS, sked; jazzy AA instl mx; NEW TIME 0000-0200, ex-0300-0500 (343 8/3 Westenhaber-QUE) nx, AA mx (444 7/4 Hill-MA) dedication of new park in Baghdad (333 7/19 Doyle-CT) (444 7/13 Brown-IL)
13650nf	1720	SuJ: AA: blocks of AA mx & tlk to 1900, chimes for 11 o'clock, nx & SuJ ID @ 1905 (343 7/23 Westenhaber-QUE) *1700 w/NA, ID (7/24 Thunberg-PA)



IRAQ Cont.

15120nf 2010 R. Baghdad: EE: pgm review, IDs, mx, war reports (8/12 Miller-PA) tlk abt Iranian expansionism; modern AA mx (343 8/2 Westenhaver-QUE) mx, report on Iran/Iraq war (222 7/24 Brown-IL) (333 7/24 Wakefield-IA)

R. Baghdad has reorganized bcasts to Europe & Americas. Xmsns in FF,GG,EE to Europe now @ 1800-1900, 1900-2000, 2000-2200 respectively on 15120 and, as mentioned on the previous page, EE to N&S America from 0000-0200 on 11750. [BBCMS via Larry Miller-PA]

ISRAEL Kol Israel  
 9009 0400 KI: EE: ID, nx; //9435, 11605 (8/14 Miller-PA)  
 12085 2130 KI: EE: nx of Russian Jews; song abt David Ben-Gurion "Little Big Man" (545 7/22 Robinson-TN)  
 13725 1010 KI: EE: tlk on PLO; //15640 & 15650 (243 7/26 Havrilko-UK)  
 13748 1710 KI: EE: tlk of declining exports; // 11505 (544 7/20 Havrilko-UK)  
 0328 Reshet Bet: HH: jazz piano; KI ID @ 0330 into nx (343 7/8 Westenhaver)  
 0600 Reshet Bet: HH: TP, ID, nx read by OM (444 7/21 Rocker-MS)

JAPAN R. Japan; Nihon SW Bcast  
 9525 1030 RJ: PP: IS, pgm of JJ pop mx; splash de AFRTS on 9530; hrd //9505 but not 5990 (322 8/1 Westenhaver-QUE)  
 9595 1330 NSB: JJ: lots of excited-sounding YLs & OMs (122 7/17 McEntee-TX)  
 9625 0911 RJ: JJ/EE: IS, JJ & EE IDs; start of JJ bcast @0915 (333 8/6 Brown-IL)  
 11705 0400 RJ: EE: tlk on Star Wars & on dollar vs yen (444 7/14 Zirkelbach-CA)  
 11935 1143 RJ: CC: IS w/JJ & EE ID; theme mx into CC pgm (343 7/16 Quaglieri-NY)  
 11955 0748 RJ: EE: profile of fireworks mfr; TC, nx @ 0750 (333 7/23 Quaglieri)  
 15195 0200 RJ: EE: nx of heat wave in Japan; economic cmty (222 7/20 Winiarz-QU)  
 0257 EE/SS: nx, SS bcast @ 0300 (444 7/27 Emerson-OR)  
 17810 0530 RJ: EE: tlk on how interference affects computers & hospital electrocardiograms; // 15235 (444 7/15 Zirkelbach-CA)

KAMPUCHEA V. of the People of Kampuchea  
 11938p 1310 VOPK: KHMER: OM tlk to YL s/off @ 1312 w/ment of "Kampuchea" (233 7/17 McEntee-TX)

KOREA (PEOPLE'S DEM. REP.) Korean Central Bcast Stn; R. Pyongyang  
 3150 1228 KCBS Pyongyang: KK: emotional patter by YL; usual rev. mx; nx by YL (333 7/31 Sharpe-CA)  
 9345 1305 RP: EE: nx, tlk on Korea & China (322 7/11 Mezek-CO)  
 9977 \*1100 RP: EE: nx,cmty on US provocations (322 7/20 Wakefield-IA)  
 1738 RP: EE: ID, tlk; poor modulation (232 7/20 Havrilko-UK)  
 15140 0529 RP: KK: rev. mx, IDs @ 0540 & 0546, NA & 0548\* (323 8/3 Sharpe-CA)

KOREA (REPUBLIC OF) R. Korea  
 9750 1400 RK: EE: tlks on population & on ships (444 7/15 Robinson-TN)  
 15575 1358 RK: EE: end of nx; fanfare @ 1400, sked into more nx; some splash de SRI on 15570 (243 8/2 Westenhaver-QUE)  
 1809 EE: nx of pact btwn foreign ministers of Korea & Ivory Coast; QRM de nearby jammer (333 8/9 Havrilko-UK)

KUWAIT R. Kuwait  
 11675 1759 RK: EE: ID, NA: Euro-pop mx (544 8/9 Havrilko-UK)  
 11990 2140 RK: AA: tlk interspersed w/trad instl mx-a bit primitive sounding; mx w/co-channel Prague; // better 15495 (232 7/12 Westenhaver-QUE)

LEBANON V. of Lebanon  
 6548.5p 1820 VOL: AA: YL tlk, AA mx (353 8/9 Havrilko-UK)

King of Hope sked on 6215 @ 0300-1430 and on 6280 @ 1430+. [Andy Sennit, MEDIA NETWORK]

NEPAL: R. Nepal now hrd in EE @ 1115-1145 on 5005, 7165. [G. Chatterjee-India, SCDX]

OMAN British Bcast Corp  
 7160 1752 BBC: EE: OM w/cricket scores (444 8/9 Havrilko-UK)

PHILIPPINES V. of America  
 9760 1128 VOA: EE: nx, freq sked; "Country Music USA" (243 8/1 Westenhaver-QUE)  
 11965 1042 VOA: CC/EE: EE lang lesson-YL translates into CC (243 8/1 Westenhaver)

Looks like a four page column this month unless the CDE logs are in tomorrow's mail..ed

FEBC Philippines: bcst to S.Asia @ 1400 in EE on 9665. 11815 is also used @ 1300-1430. Starting in Sept, "DX Dial" can also be hrd Sat. @ 0140 on 11865 & 15430. [Gupta-India, SCDX] FEBC hrd on 6030 @ 0700-0900 when AFRTS off the air. [Arthur Cushen, MEDIA NETWORK]

QATAR Qatar Bcast Service  
17785t 1253 QBS: AA: ME mx w/orch to 1754, then vy lo mod OM ancr; brief mx, more anmts. Not enuf signal for ID (232 7/24 Quaglieri-NY)

SAUDI ARABIA Bcast Svc of the Kingdom of Saudi Arabia  
9655t 0130 BSKSA: AA: nonstop Qur'an, no ID hrd (222 7/8 Rocker-MS)  
15060 1047 BSKSA: AA: 2 OMs w/tlk; AA mx segments (243 7/26 Havrilko-UK)

SINGAPORE British Bcast Corp  
7105 1500 BBC: EE: "Radio Newsreel" w/wld nx (444 8/1 Sharpe-CA)  
1744 EE: pop mx, Big Ben; "whoop-whoop" jammer (343 8/9 Havrilko-UK)

SRI LANKA: Although ground has already been broken for the project, construction of the new VOA relay has been delayed because the govt of Sri Lanka wants to change the site from Chilaw (40 mi. north of Colombo) to Puttalan (50 mi. farther north). The reason given was that about 200 squatters living on Chilaw land would have to be relocated. Changing the site could delay project by as much as two years. [WORLD OF RADIO, 8/2]

SYRIA R. Damascus  
7355 2011 RD: EE: wld nx, ID, mx, press review; seems to replace 7455 (333 7/29 Westenhaber-QUE)  
9950 2128 RD: EE: tlk on King Hassan's mtg w/P.M. Peres; pgm of lt mx (243 7/29 Westenhaber-QUE) press review, AA mx (8/12 Miller-PA)(Havrilko-UK)  
11625t 1733 RD: AA: pgm of AA vcl mx w/YL ancr; sudden 1758\* in mid song, no ID hrd (242 8/15 Thunberg-PA)  
12085 2015 RD: EE: mx, cmty on VP Bush's ME visit (444 8/12 Catey-IL) denunciation of Morocco's King Hassan (444 7/22 Wakefield-IA)

TAIWAN V. of Free China  
11745 1355 VOFC: KK: chimes & anthem on the hr into pgm; followed by pgm in JJ lang w/OM & YL ancrs (222 7/17 McEntee-TX)

V. of Asia: now on new freq 7445, // 5980, in EE @ 1100-1200.[Indian DXer, SCDX]

TURKEY V. of Turkey  
7215 2045 VOT: EE: mx pgm, ID & IS; jammer QRM (533 7/25 Havrilko-UK)  
9560 0020 VOT: EE: ID, western-style ballads (555 7/24 Coleman-MA)  
\*0300 EE: IS, freq sked, nx (333 7/9 Brown-IL)  
\*2200 EE: nx, press review, Turkish mx (444 7/27 Wakefield-IA)

USSR (ASIAN) R. Moscow  
6080 1330 Khabarovsk: RR: Lithuanian Rep. pgm; QRM de co-channel R. Australia (423 7/31 Sharpe-CA)  
7160 1432 RM Petropavlovsk-Kamchatskiy (per RDI..ed.): EE: "Focus on Asia" w/ regional nx & cmty (444 7/31 Sharpe-CA)  
11690 1730 R. Stantsiya Tikhy Okean-Khabarovsk: RR: actually Mayak till 1830 w/ nx & pop mx; Tikhy Okean 1830-1915 (433 7/14 Sharpe-CA)  
1838 RR/EE: ID, tlk; EE nx @ 1858 & back to RR @ 1902 (332 8/2 Mezek-CO)  
11770 0645 RM Khabarovsk (presumed): report on Lithuania, Estonia; //9580, 9755, 12030 (222 7/21 McEntee-TX)  
11880 1903 R. Afghanistan: EE: nx, mx, Revolutionary Afghanistan as Seen by Others, 1922\*; QRN (542 7/13 Kaessinger-FRG) WRTH says from USSR...ed.  
11950 0800 RM: EE: bells, Wld Svc ID, nx (232 7/23 Quaglieri-NY) unid FE site  
12030 0630 RM Petro/Kam: EE: tlk on nuke verification tests (343 7/21 McEntee-TX)  
13710LSB 0602 RM: EE: wld nx, ID; sounds like feeder but why in SWBC band? (333 7/21 Rocker-MS)  
15155 0548 RM Chita: EE: anmt for upcoming "Radio Forum" (243 7/8 Rocker-MS)

UNITED ARAB EMIRATES R. Dubai  
11940 0330 RD: nx, "The Wide World of Arab Music" (333 7/9 Hill-MA)  
15320 2030 RD: AA: IS, ID, nx (444 7/13 Brown-IL)  
21700 1030 RD: EE: wld nx w/items abt Israel & India; // 17775, 17865, 21605 (444 7/26 Havrilko-UK)

VIETNAM V. of Vietnam UK)  
15010.3 1608 VOV; EE: tlk of Soviet peace initiative; // 10040 (343 8/8 Havrilko-

UNIDENTIFIED  
21600 1430 AA: OM tlk, long fades; poss. R. Dubai off by 5 kHz? (111 7/21 McEntee-TX)

/OCEANIA/

AUSTRALIA R. Australia  
7205 1758 RA: EE: mx pgm; ID, target & freq sked (443 8/9 Havrilko-UK)  
9580 0908 RA: EE: "Talkback" w/report on getting TV signals to Cook Islands & on 80th anniv. of Australia's radio link (555 7/20 Brown-IL) (Wakefield-IA) (Miller-PA)  
15315 0535 RA: FF: ID, letters read (555 Manderscheid-CA)  
15320 0100 RA: EE: "Window on Australia" abt whale rescue; lcl nx @ 0130 (333 8/4 Bradley-MA) pgm on Hiroshima anniv. (8/5 Brown-IL)  
2200 EE: cmt on S. Africa & on Commonwealth Games (444 7/20 Robinson-TN)  
15425 0740 VLW15-Perth (Wanneroo): EE: pop & oldies mx; ABC nx (Zirkelbach-CA)  
17795 0200 RA: EE: wld nx, International Report (444 8/5 Sharpe-CA) lt pop mx (7/7 Jones-TX) (343 7/28 Bradley-MA)

The Australian Bcast Corp has a new chairman, Mr. David Hill, who says that the ABC is facing the "most difficult financial years in its history" because of likely cuts in the upcoming federal budget. [R. Australia, submitted by Larry Miller-PA]

COOK ISLANDS R. Cook Islands  
11760 0420 RCI: MAORI/EE: YL w/EE ID, island mx pgm; hvy QRN, QRM-used 2.7 kHz filter & preamp (322 7/15 Zirkelbach-CA)

GUAM  
11735 0740 KTWR: EE: IS to 0741 then "This is KTWR, Agana Guam, the Voice of Trans World Radio"; relg pgm (242 7/23 Quaglieri-NY) Bible readings (444 7/17 Zirkelbach-CA)

MARIANA ISLANDS  
15190 0720 KYOI Saipan: EE/JJ: rock mx, request for letters (343 7/27 Hill-MA)  
According to MEDIA NETWORK, "Super-Rock KYOI", started a few years ago by a Honolulu/Los Angeles co. to bring rock mx to Japan, is about to be sold to the CHRISTIAN SCIENCE MONITOR. The CSM's own new station in Maine shouldn't be airworthy until Jan 87 so we might hear CSM programming first from Saipan! [Glenn Hauser's SHORTWAVES column in Greensburg, PA TRIBUNE REVIEW, 8/17] Get those QSLs now, if not already too late; wonder how many Americans responded to KYOI requests for money knowing that they could get the same rock mx pgmning from their lcl FM stations?!.ed.

NEW CALEDONIA  
7170 0550 R. Noumea: FF: old US top 40 mx, ID as "RFO" (232 Manderscheid-CA)

NEW ZEALAND R. New Zealand  
9620 1158 RNZ: EE: Big Band mx; TP & RNZ nx @ 1200 (322 7/28 Westenhaver-QUE)  
11780 0350 RNZ: EE: melodrama; nx @ 0400, bagpipe mx (233 8/3 Hill-MA)

SOCIETY ISLANDS R. Tahiti  
15170 0230 RT: FF: OM tlk, pop mx, infrequent IDs (555 8/9 Lunsford-CA) Lyle was informed by WYFR that "Family Radio" plans to return to 15170 kHz for their 1200-0200 GMT consecutive time block in the near future. Lyle suggests that SPEEDXers write to Dan Elyea, WYFR's Engineering Mgr, to let them know this is not appreciated. I agree as YFR uses too much of the SW spectrum already. Though the best time to hear Tahiti, at least here in ECNA, is after 0300, they will be blocking some of the best listening hours for WCNA SWLers and they may expand use of the freq in the future. WYFR could use their allotted 15130 during this time slot with the same results...ed.

SOLOMON ISLANDS Solomon Islands Bcast Corp  
9545 0600 SIBC: EE: BBC nx; YL w/anmts for birthdays & events, mx requests from listeners in various villages; 1st time hrd (433 7/14 Zirkelbach-CA)

The loggings from Peggy were not received (as of 18 Aug), so the next page will be devoted to a segment of my almost forgotten series DX A/O and also to more DX news.

IDENTIFYING FAR EAST LANGUAGES: One of the major obstacles encountered by the Asian DXer is the numerous strangesounding languages used in the Far East. Picking out details is usually tougher from these stations than from those in Latin America or Africa. Two language groups are found in the Far Eastern countries: Tonal used in China, Vietnam, Thailand, Kampuchea (Cambodia), and Burma and Non-Tonal in Japan, Korea, Philippines, Malaysia, and Indonesia. I will list some characteristics of the languages from each of these countries in the hope that they make your Asian DXing a little easier, less frustrating and more enjoyable. All of the info below is from a foreign language identification course by linguist Dr. Richard Wood that was broadcast on a segment of RCT's SHORTWAVE LISTENERS DIGEST sometime in 1985.

TONAL LANGUAGES: no word can be spoken without a tone and changing the tone can completely alter the meaning of the word. The tone languages are, by far, the most foreign sounding to Westerners.

CHINESE: dialects may be distinguished by counting the tones. CANTONESE, used in southern China shows a wider range of tones than STANDARD CHINESE (MANDARIN). The southern dialects sound softer, less strident than the harsh, precise Standard Chinese of Beijing.

VIETNAMESE: may only be recognized after practice and experience with the other tonal languages. Watch for the announcement "Dá la tieng noi" (This is Radio").

THAI: sounds much softer and is slower than Vietnamese. Listen for the words "Thini Sathani" (This is Station").

LAO: a dialect of Thai that uses French words for country names while Thai uses English, i.e. "Amerique" as opposed to "America".

CAMBODIAN and BURMESE: both sound like Thai but are less tonal and have longer, more clearly distinguished words of the Western-type.

#### NON TONAL EAST ASIAN LANGUAGES

JAPANESE is unmistakable. All words end in a vowel or else in "n". Vowels are short or long and many words have four syllables.

KOREAN has a breathy sound, especially the consonants.

TAGALOG and other Filipino dialects sound like Indonesian but they have lots of Spanish words in them. Numbers are given in Spanish and the word "bueno" ("good") is used.

MALAY and INDONESIAN are basically the same language. If you hear constant repetition of words, signifying plural, it is Indonesian, i.e. lagu-lagu. Indo station IDs begin with the word "Inilah". Malay may be distinguished from Indonesian by the English borrowings and the overall somewhat British sound of the speakers, while the Indonesians tend to sound like Dutchmen.

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#### ASIAN DX NEWS FROM SWEDEN CALLING DXERS 19 AUGUST

ISRAEL: on 30 July, officials from the US and Israel signed an agreement for the construction of a major SW relay station for the VOA. The station will have 16 500 kW xmtrs along with at least 22 antennas, all more than 160 meters high. The site will occupy about six sq. miles and will also be used for Radio Free Europe and Radio Liberty broadcasts to Eastern Europe. But ecologists fear that the giant station, the most powerful VOA outlet outside the continental US, could jam the internal navigation systems guiding millions of migrating birds on their seasonal flights between Europe, West Asia and Africa. They say this could have widespread effects on ecosystems since the birds, such as buzzards and eagles, eat rodents. A possible result of this station could be the devastation of Soviet wheatfields in the Ukraine. Critics are wondering why the US doesn't build the relay to the west in Saudi Arabia. Left-wing Israelis are fearful the station may harm the resumption of relations between Israel and the USSR. [From an article in the JERUSALEM POST] According to an item in the 19 Aug USA TODAY, the first Soviet/Israeli talks in 19 years--supposed to last two days--broke off after 90 minutes because, Soviets indicated, Israel brought up Jewish emigration. Others said Moscow curtailed talks to placate Arab allies....d.

TAIWAN: VOFC on 9955 @ 2200 in EE to Australia/NZ. [Wm. Dickerman-PA]

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If the CDE loggings ever do show, I'll pass along the better DX items to Bruce Mac-Gibbon for the Sept SPEEDXGRAM. Thanks to all contributors and to Gary Froemming who passed along greetings via Amateur Radio. Enjoy these last few days of summer. 73s,



# QSL REPORT

EDITOR:

DEADLINE: 12th

RAY FORSGREN  
RT. #4, BOX 213  
CHIPPEWA FALLS, WI.  
54729

September- this is the month when the DX juices start flowing- and that they have! With softball coming to a close, and with most of the wood set aside for the winter- I just can't wait for the static to let up and to fire up the old Yaesu!!!

## AFRICA

ANGOLA R. Nacional: 11955 f/d Logo cd. in 2½ yrs. after 7 f-ups for a PP rpt. & 2 ircs. (VanHorn-FL)...persistence pays off!!

BURKINA FASO R. Nationale: 4815 f/d form ltr. in 161 ds. for a FF rpt & 2 ircs. (Stephany-NY).

CANARY ISLANDS REE Relay: 15365 f/d cd. w/ goodies in 30 ds. for a SS rpt. & ms. V/S Carmen Baez. (George-MA).

GABON R. Japan Relay: 9645 p/d Nagano cd. w/ goodies in 17 ds. (Weiss-OH). p/d Shinjuku cd. in 18 ds. (Westenhaver-QU). f/d cd. in 20 ds. (MA-Woering). p/d cd. in 21 ds. (Balt-IL).

LIBERIA VoA Relay: 6045 f/d Statue cd. in 7 ds. (Woering-MA).

LIBYA R. Jamahiriyah: 6155 (Cd. says 11815) f/d Rainbow cd. w/ stuff in 105 ds. for 2 ircs. (Thunberg-PA).

MALI RDTV Malienne: 4783 f/d Map cd. in 40 ds. for an EE/FF rpt. & 2 ircs. (Weber-OH).

MOROCCO R. Monte Carlo: 9795 p/d form ltr. w/ sked. & sticker in 38 ds. (D'Angelo-PA). same in 48 ds. for \$1. (George-NC). 15465 p/d form ltr. w/ stuff in 30 ds. for 3 ircs. V/S P. Casalta. (Atkins-GA).

NIGERIA VoN: 7255 f/d Arena cd. in 21 ds. for an irc. (Woering-MA). f/d Airport cd. in 266 ds. for 2 ircs. (Brown-IL).

SEYCHELLES FEBA: 11865 f/d Map cd. in 70 ds. for a SAE & ms. V/S J. Reddy. (George-MA).

SOUTH AFRICA Radio 5: 3250 f/d cd. in 30 ds. after f-up for 2 ircs. V/S Colin Miller. (Kennedy-NJ).

TOGO R. Togo: 5047 f/d Map cd. in 43 ds. for ms. (Weiss-OH).

## ASIA

CHINA R. Beijing: 15280 f/d cd. w/ mags. in 1 mo. (Donegan-CA). 15445 f/d Dancer cd. w/ goodies in 91 ds. (Balt-IL).

INDIA AIR: 9545 f/d cd. in 45 ds. after f-up for 2 ircs. (Kennedy-NJ). 15335 f/d cd. w/ sked. in 87 ds. for 2 ircs. (Wright-MB).

INDONESIA RRI Ambon: 4845 f/d cd. in 106 ds. after 3 f-ups for an INDO. rpt. & ms. V/S Drs. H. Ali Amran, Kepala. (Wilkins-CO). RRI Blak: 5500 n/d ltr. in 55 ds. for an INDO. rpt. V/S Muchtar Yushaptera, BA. (Flynn-CA)...SUPER- haven't heard from this one in quite a while. Good work!!! rjf

IRAN VoIRI: 15084 f/d cd. w/ goodies in 89 ds. (Leite-MA).

ISRAEL KOL Israel: 5885 f/d Logo cd. in 58 ds. (Bishop-NY). 7410 f/d cd. in 39 ds. (Bishop-NY). 9435 f/d Menorah cd. in 29 ds. for 2 ircs. (Lemke-AB) f/d cd. in 30 ds. (Allen-CA). same in 37 ds. (Wakefield-IA). same in 36 ds. (Bishop-NY). 9815 f/d cd. in 38 ds. (Gerstner-NY).

JAPAN R. Japan: 9595 p/d cd. in 30 ds. (Allen-CA). 9645 f/d Nagano cd. in 22 ds. (Levison-PA). f/d Shizouka cd. in 45 ds. (Bowden-CA). 15420 p/d cd. in 17 ds. (Bishop-NY). p/d Nara cd. in 20 ds. for 2 ircs. (Lemke-AB). 17825 p/d Shinjuku cd. in 22 ds. (Bishop-NY).

KUWAIT R. Kuwait: 11675 f/d folder cd. w/ goodies in 49 ds. (no name!)

LEBANON King of Hope: 6280 f/d cd. w/ goodies in 100 ds. for an irc. (Hardester-PA)...nice!

PAKISTAN PBC Peshawar: 4950 p/d personal ltr. in 270 ds. for \$1. V/S Atta Muhammad Khan, Engineering Manager. (Forsgren-WI).

SOUTH KOREA R. Korea: 11810 p/d cd. in 49 ds. (Bishop-NY). 15575 p/d cd. in 40 ds. (Soomre-MA).

SRI LANKA SLBC: 9720 f/d Building cd. in 160 ds. for 3 ircs. V/S Sikali Vaiam. (Westenhaver-QU)...nice one Bill!

SYRIA R. Damascus: 9635 f/d Map cd. w/ sked. in 43 ds. Registered mail. V/S Alia Sharbati. (Wakefield-IA). 12085 f/d cd. w/ pennant & sked. in 112 ds. for an irc, after 2nd f-up. (VanHorn-FL).

TAIWAN VoFC: 15440 f/d cd. in 84 ds. (Leite-MA). Voice of Asia: 5980 f/d cd. w/ goodies in 10 mo. for 2 ircs. (Donegan-CA).

TURKEY VoT: 9560 f/d St. Nick cd. w/ goodies in 45 ds. (Hill-MA).

VIETNAM VoV: 10040 f/d ltr. in 126 ds. for 2 ircs. (Ziegler-ME).

#### EUROPE

ALBANIA R. Tirana: 7065 p/d cd. in 113 ds. (no name!). 9760 p/d cd. w/ sked. in 37 ds. (Wakefield-IA).

AUSTRIA RAI: 6155 f/d Carinthia cd. in 63 ds. (Bishop-NY). 9755 f/d Salzburg cd. in 58 ds. (Westenhaver-QU). 9770 f/d Vorarberg cd. in 68 ds. (Bishop-NY).

BELGIUM BRT: 5910 f/d cd. w/ sticker in 72 ds. (Campbell-CT). 9830 f/d cd. in 48 ds. (George-NC). 9830, 9925 f/d Art cd. in 60 ds. (Levison-PA). 9830, 15590 f/d cd. in 23 ds. (Gerstner-NY). same in 55 ds. (Westenhaver-QU). RTBF: 17675 f/d cd. w/ sked. in 40 ds. for an irc. (Atkins-GA).

BULGARIA R. Sofia: 7115 f/d Nessebar cd. in 59 ds. (George-NC).

CZECHOSLOVAKIA R. Prague: 5930 f/d Banska cd. in 3 wks. (Bowden-CA). f/d Brno cd. in 47 ds. (Wright-MB). 11990 f/d Costumes cd. in 40 ds. (PA-Levison). same in ? ds. (Bowden-CA).

DENMARK R. Denmark: 11745 f/d Art cd. in 2 wks. (Balt-IL). 11840 f/d cd. in 15 ds. V/S B. Baug. (Doyle-CT).

FINLAND R. Finland: n/d Thank you ltr. w/ sked. in 12 ds. (Coday-CA).

FRANCE RFI: 7135 f/d cd. in 28 ds. for a FF rpt. & 2 ircs. (Ziegler-ME). 9790 f/d cd. in 295 ds. after f-up. (Coday-CA).

GERMAN DEMOCRATIC REP. RBI: 6125 f/d cd. w/ HUGE goodie pack in 98 ds. (Westenhaver-QU). 15240 f/d Hauptstadt cd. in 98 ds. (Brown-IL).

GERMAN FEDERAL REP. R. Liberty: 15255 p/d Map cd. in 6 ds. (D'Angelo-PA).

GREECE VoG: 9935 f/d Theater cd. in 45 ds. (Bowden-CA).

HUNGARY R. Budapest: 9520 f/d Logo cd. in 24 ds. (Brown-IL).

ICELAND ISBS: 13797 f/d Autumn cd. in 74 ds. (Allen-CA).

IRELAND R. Dublin Int.: 6910 f/d Map cd. in 93 ds. for \$1. (Campbell-CT).

ITALY RAI: 9575 f/d Cathedral cd. in 180 ds. (Brown-IL). AWR: 6205 f/d Cartoon cd. in 25 ds. for 2 ircs. (Stephany-NY).

NETHERLANDS R. Nederland: 9590 f/d Flevo cd. in 16 ds. (Zirkelbach-CA).

PORTUGAL RDP: 9600 f/d cd. in 3 wks. for a PP rpt. (Bowden-CA).  
R. Renascenca: 9680 f/d cd. in 125 ds. for a PP rpt. & an irc. (PA-Hardester).

ROMANIA R. Bucharest: 5990 f/d Drumul cd. w/ sked. in 94 ds. (Levison-PA). 9510 f/d University cd. in 73 ds. (Coday-CA).

SPAIN REE: 6055 f/d Segovia cd. in 3 wks. (Bowden-CA). same in 56 ds. (Bishop-NY). 9630 f/d Navarra cd. in 47 ds. (Bishop-NY). f/d Olite cd. in 54 ds. (Wakefield-IA). same in 63 ds. (Brown-IL). 9650 f/d cd. in 30 ds. (Bowden-CA).

SWEDEN RSI: 9695 f/d Steamer cd. in 18 ds. (Wakefield-IA). 15345 f/d Farm cd. in 12 ds. (Atkins-GA). same in 21 ds. (Campbell-CT).

SWITZERLAND SRI: 9885 n/d cd. w/ goodies in 21 ds. (Balt-IL). ICRC: 15570 p/d Logo cd. w/ sked. in 30 ds. for 2 ircs. (Atkins-GA).

VATICAN CITY R. Vaticana: 9605 f/d Anniversary cd. in 4 wks. (Bowden-CA). 9615 f/d Pope cd. in 5 wks. (Bowden-CA). 9645 f/d Popes cd. in 50 ds. (Brown-IL). 11810 f/d Palazzo Pio cd. in 6 wks. (Bowden-CA).

WEST BERLIN RIAS Berlin: 6005 f/d Studio cd. in 187 ds. (Campbell-CT). Very nice! rjf

U.S.S.R.

R. Kiev: 7400 f/d Art cd. in 73 ds. (Balt-IL).

R. Moscow: 11780 f/d cd. in 32 ds. (Zirkelbach-CA). 15155 via Kazan, 15210 via Moscow, 15225 via Vinnitsa, 15475 via Vinnitsa, 15490 via Tula f/d cds. in 43 ds. (Welch-MA). 11840 f/d cd. in 92 ds. (Levison-PA). 7370 via Serpukhov, 9735, 15585, 11950 via Simferopol, 9520, 7295, 9470 via Moscow, 9775 via Michurinsk, 15490 via Armavir, 11760 via Kenga, 15535 via Tula, 15475 via Vinnitsa, 9755 via Nikolaevsk on Amur, 9655 via Komsomolsk on Amur, 11675 via Kiev f/d cds. in 45 ds. (Soomre-MA).

NORTH AMERICA

ANTIGUA BBC Relay: 5975 f/d form ltr. in 21 ds. for ms. V/S J.J. Newbery. (George-MA). 6175 f/d pfc w/ ltr. in 12 ds. for ms, which were returned. (Evans-TN). p/d personal ltr. in 27 ds. V/S James W. McKay. (Kephart-MI).

CANADA RCI: 5960 f/d Music cd. in 19 ds., w/ sticker. & pennant. (CA-Zirkelbach). 9755 same f/d cd. w/ goodies in 13 ds. (Gerstner-NY). same in 16 ds. (VanHorn-FL). 15260 f/d cd. in 21 ds. (Wilkins-CO).

COSTA RICA R. Columbia: 4850 f/d cd. in 29 ds. for a SS rpt. & 2 ircs. V/S Tleano Chinchilla L. (Kephart-MI). AWR: 15460 f/d Antenna cd. w/ ltr. in 69 ds. V/S David Gregory. (Neff-OH).

CUBA R. Moscow Relay: 4765 f/d cd. w/ goodies in 55 ds. for a SS rpt. V/S Martha Ramirez. (George-MA). R. Rebelde: 5025 f/d cd. w/ goodies- this was the THIRD cd. for one rpt.- each time something new was sent!! (Hardester-PA).

DOMINICAN REP. R. Discovery: 6245 f/d Map cd. in 38 ds. for ms. V/S Jeff White. (Hill-MA).

MEXICO XEWW: 9515 p/d postcard w/ pennant in 66 ds. for a SS rpt. & ms. V/S Lic. Ignacio Martin del Campo. (Wilkins-CO).

NETHERLANDS ANTILLES R. Nederland: 9590 f/d cd. in 30 ds. (Brown-IL). TWR: 9535 f/d Sunset cd. in 21 ds. for \$2. (Zirkelbach-CA). same w/ goodies in 27 ds. V/S Sally Rork. (Balt-IL).

UNITED STATES R. Earth: 11790 f/d Bridge cd. in 45 ds. (Allen-CA). same in 218 ds. (Woering-MA). R. Marti: 9525 f/d Bust cd. in 14 ds. for ms. (VanHorn-FL). 11930 p/d ltr. in 35 ds. for a SS/EE rpt. V/S Fred Rathert. (Wakefield-IA). VoFC via WYFR: 5985 f/d cd. w/ goodies in 68 ds. (D'Angelo-PA). same in 119 ds. (Levison-PA). KCBI: 11735 f/d cd. in 12 ds. for ms. (Lenke-AB), KGEI: 9615 f/d cd. w/ stuff in 33 ds., V/S J.C. Elizondo. (George-MA). WHRI: 7400 f/d cd. in 88 ds. (Campbell-CT). same in 163 ds. for ms. (Dillon-MD). 9700 cd. in 45 ds. (Bowden-CA). 9770 f/d cd. in 39 ds. (Wakefield-IA). same in 66 ds. w/ sked. (D'Angelo-PA). 11865 f/d cd. in 59 ds. for ms. (Stephany-NY). 15310 f/d cd. in 52 ds. (Levison-PA). WMLK: 9455 f/d ltr. w/ stuff in 15 ds. (Westenhaver-QU). same in 17 ds. for ms. V/S Elder Jacob O. Meyer. (Coday-CA). WYFR: 15170 f/d cd. in 60 ds. (CA-Bowden).

#### OCEANIA

AUSTRALIA R. Australia: 5995 Lyndhurst f/d Wheatfield cd. w/ skeds. in 20 ds. (Kephart-MI). 6060 same f/d cd. w/ sked. in 16 ds. (Balt-IL). VL8T: 2325 f/d ltr. in 49 ds. for \$1. V/S R.H. O'Sullivan. (Wilkins-CO). VL8K: 2485 f/d ltr. from same V/S for \$1.; also in 49 ds. (Wilkins-CO).

COOK ISLANDS R. Cook Islands: 11760 f/d Conch Blower cd. in 28 ds. for 3 ircs. (Evans-TN). same in 35 ds. for ms. (Kennedy-NJ). same in 37 ds. for \$1. V/S Nooroa E. Tangaroa. (Coday-CA).

MARIANAS ISLANDS KTWK: 7355 f/d cd. in 40 ds. (Bowden-CA), KYOI: 11900 f/d Bird cd. in 6 ds. for ms. (Weiss-OH).

NEW CALEDONIA RFO: 7170, 3355 n/d Map- Logo cd. in 190 ds. for a FF rpt. & 2 ircs. (George-NC). 7170 n/d cd. in 93 ds. for a FF rpt. & ms. (George-MA). same in 265 ds. for a FF rpt. & ms. (Dillon-MD). in 270 ds. after 3rd f-up for a FF rpt. & \$1. (Forsgren-WI).

PAPUA NEW GUINEA R. Central: 3290 p/d form ltr. in 273 ds. after f-up for \$1. V/S K. Kila. (Forsgren-WI).

SOCIETY ISLANDS RFO: 15170 f/d Logo cd. w/ sked. in 22 ds. for a FF rpt. & an irc. (Weiss-OH). same in 34 ds. for a FF rpt., tape & 2 ircs. (Zirkelbach-CA). in 50 ds. for a FF rpt. & 3 ircs. (Hill-MA). f/d Conch cd. in 164 ds. for a FF rpt. & 2 ircs. (Zirkelbach-CA). f/d cd. w/ sked. in 212 ds. for an irc. (Lunsford-CA).

We'll hop on over to South America on the next page, not quite enough room here.



SOUTH AMERICA

BRAZIL RadioBras: 11745 f/d Hotel Tambau cd. in 100 ds. (Balt-IL). R. Cultura do Para: 5045 f/d Belem cd. w/ sked. & pennant in 18 ds. for a PP rpt. & ms. V/S Francisco Cezar Nunesda Silva- Diretor. (FL-VanHorn) R. Suriname Int.: 17755 f/d postcard w/ goodies in 40 ds. for \$1. (Stephany-NY).

CHILE R. Nacional: 15140 f/d cd. in 20 ds. for a SS rpt. & \$1. (PA-D'Angelo). same in 30 ds. for a SS rpt. & \$1. V/S Carlos Toledo Verdugo. (Hill-MA).

COLOMBIA La Voz de los Centauros: 5955 n/d Logo cd. in 966 ds. for a SS rpt. & ms. V/S Juan Carlos Torres Legua- Gerencia. (Stephany-NY). same in 1143(!) ds. for a SS rpt. & ms. V/S Bill Torres L.-Gerencia. (Stephany-NY)...I wonder just how much value the ms had after this long a delay???? rjf

ECUADOR HCJB: 6230, 9870 f/d cd. in 79 ds. (Bishop-NY). 6230 f/d cd. in 27 ds. (Wakefield-IA). same in 50 ds. (Brown-IL). 9845 f/d cd. in 36 ds. (Lemke-AB). 9870 f/d cd. in 40 ds. (Lemke-AB). same in 50 ds. (Brown-IL). in 51 ds. (Bishop-NY). in 62 ds. (Wright-MB). in 95 ds. (Wright-MB). 11745 f/d cd. in 26 ds. (Soomre-MA). 11960 f/d CC B'cast cd. in 180 ds. after 2nd f-up. (Soomre-MA). 15270 cd. in 50 ds. (Brown-IL)...all of Edwards cards gave the month but no date! Strange for HCJB rjf SPEEDX via HCJB: 9870 f/d cd. via David Sharp in 6 ds. for ms. (McCants-AL).

FRENCH GUIANA RFO: 5055 p/d cd. in 108 ds. for a FF rpt. & 2 ircs. (Ziegler-ME). RFI Relay: 6055 f/d cd. in 77 ds. (Kephart-MI). 9800 f/d cd. in 45 ds. w/ sked. (Balt-IL). f/d cd. in 50 ds. (Wakefield-IA). R. Beijing via RFI Relay: 6015, 9635 f/d Buddha cd. w/ goodies in 30 ds. V/S Fan Fuguang. (D'Angelo-PA).

Oh boy, I got a missort here:

CHINA RFI Via R. Beijing: 15350 f/d Arch cd. w/ sked. in 24 ds. (JAPAN-Shimada).

CLANDESTINES & PIRATES

TNFM: 7415 f/d cd. w/ ltr. in 17 ds. 150 watts! (Flynn-CA). 7440 f/d Logo cd. w/ ltr. in 14 ds. (Balt-IL).

WPBR: 7430 no QSL, but a Pig Boy Radio T-Shirt 4 mo. after reporting. (Kennedy-NJ).

La Voz del CID: ???? f/d Logo cd. in 7 mo. for a SS rpt. & \$1. (Kennedy-NJ).

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Anarcon '86 is now a part of history, and my hat's off to Ian McFarland for a job well done. I will definately be going to Toronto next year! It was great rubbing elbows with fellow DX'ers, as well as meeting fellow SPEEDX'ers; of course there was one draw back- that was the extremely long waits at the elevators (although a few clever DX'ers found out how to avoid this- take the stairs and manouver through some of the back hallways!!). I'm sure some of our editors who are more 'skilled with the verse' will give more details, but I wanted to get in my 2¢ worth!

Now it's time for a little bragging!! (I promise that this will be the last bit of softball news till next season). I had my best game ever in the next to last game of the season: 4 for 5 with 2 homers, a triple and a double. Like I said, this is the end of the "Softball Report".

Thanks are in order to all of the loyal contributors- I would like to say thanks in person, but... I'll make you a deal; if you all come to Toronto for Anarcon '87, I'll be able to do this. Is it a deal???

# UTILITY SCENE

TEMPORARY EDITOR:

Tom Kephart

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I just received a package of loggings which some of you sent to Jeff Knapp back in June. I don't have room for them, because despite the supposedly bad conditions on the high frequency bands, your support of this column was overwhelming this month!

Still no definite word from Jeff on when he may return to edit this column. There was no note from him in the package he sent. Please take a look at my comments in "Up Front" on page 2 concerning this situation. I've enjoyed filling in for Jeff, but my time is limited, and I really don't have time to do the UTE column and publish *SPEEDY* at the same time. Anyway, I'm still pinch-hitting for now, so on we go.

Note that this month I eliminated all loggings that didn't at least have the call sign on them. There are a number of reference books available to help you out, not to mention that if you don't include the call letters, the assumption is often that you aren't sure of what you heard. Yes, there are exceptions... VOA feeders, and other stations that don't often ID. But when you can't take the time to include the call letters for common stations like WOO, NMN, etc., then I don't have time to type them. Include as much information as possible, neither the editor or the readers of this column should have to use several other references to get the complete details on your loggings! Nuff said, here they come.

ENTRY	FREQ	M	TIME	CALL	CITY	IDENT	TRAFFIC	CONTRIB
<b>NORTH AMERICA</b>								
AK	5696.0	U	0428	NOJ	KODIAK AK	USCG	MKG CG 1707	RR ON
BER	12709.2	C	1258	URT	HAMILTON	MARCO	V MARKER	RRR TL
CAN	2182.0	U	2322	UCS	HALIFAX	CCG	CLG LFND VINLAND	PO NH
CAN	5390.0	U	0332	CG0206			MKG OTHER NET STATIONS	RR ON
CAN	8697.0	C	2237	CFH			DE MARKER	TL AL
CAN	13254.0	U	1701	CHR	TRENTON	CAF	CLG JS47, "DO NOT ANSWER"	PO NH
CAN	15035.0	S	1533	CHR	TRENTON	CAF	"TRENTON MILITARY, OUT"	NEB NH
MEX	8581.4	C	0202	XFC			SLOW CQ MARKER	RR MS
MEX	8650.0	C	1546	XFS	TAMPICO		CQ DE XFS	PT CA
MEX	8781.7	C	2250	XFC	COZUMEL		DEFECTIVE CQ TAPE, "FQ!"	PO NH
MEX	12829.5	C	1255	XFM	HANZANILLO	MARCO	V/CQ MARKER	NAP AL
USA	2182.0	S	2240	WOO	OCEAN GATE	MARCO	MKG PAUX, ABRAHAM CRYNSEN	PO NH
USA	2182.0	U	0245	NMF4	PNT. ALLERTON MA	USCG	MKG USCG GROUP BOSTON	PO NH
USA	2670.0	U	0430	NMB	CHARLESTOWN SC	USCG	MARITIME WEATHER	KH MA
USA	4125.0	U	1420	WSA	PORTSMOUTH VA?		HEARD SIGNING OFF W/ID	PO NH
USA	4351.0	C	0317	MLO	MOBILE AL	MARCO	"MLO MLO MLO MLO"	TL AL
USA	4398.0	U	2310	MLO	MOBILE AL	MARCO	WEATHER	MB IN
USA	4593.5	U	0100	AIR	WASHINGTON DC	USAF	USAF MARS HQ	SS NY
USA	6506.4	U	1454	NMA	MIAMI	USCG	MKG CGC MANATEE	NAP AL
USA	6506.4	U	1357	NMN	PORTSMOUTH	USCG	MKG ALBATROSS IV	NAP AL
USA	6924.8	C	0245	KKN50	WASHINGTON DC	DOS	QRA DE KKN50 QSY 32/41 ETC.	LS CA
USA	8291.1	U	1205	KUY	PT. ARTHUR TX	MARCO	CLG THE COLORADO	NAP AL
USA	8291.1	U	1207	MNC	TAMPA FL	MARCO	MKG TUG JANET K	NAP AL
USA	8291.1	U	1516	NHX672	PORT ISABEL TX	MARCO	UNLISTED @ NAP'S QTH	NAP AL
USA	8294.2	U	1342	WBU	PT. RICHMOND NY	MARCO	MKG SHEILA MORAN	NAP AL
USA	8294.2	U	1348	WHD752	UNKNOWN	MARCO	UNLISTED, UNKNOWN QTH	NAP AL
USA	8715.0	C	1912	MLO	MOBILE AL	MARCO	DE MARKER	TL AL
USA	8722.0	U	2312	WOM	PENNSUCO FL	MARCO	P/P WITH THE STAR WARD	TF KY
USA	8749.8	U	0230	WOM	PENNSUCO FL	MARCO	SHIP TFC LIST	JFH MA
USA	8749.9	U	1348	WOO	NEW YORK	MARCO	MKG BERNUDA STAR	BH VA
USA	8785.0	U	0716	KMI			TAPE STATING TECHS ARE BUSY	PK IL
USA	8828.0	U	0538	KSF70	OAKLAND CA	VOLMET	AERO BULLETIN	ND FR
USA	11035.0	U	1620	AFB	ANDREWS AFB	USAF	MKG SAM 500	NAP AL
USA	11090.0	U	1731	"UOR"		USIA	EE TO AFR (PROB. GREENVILLE)	PO NH
USA	11179.0	U	2056	ARL	LORING	USAF	MKG MAC 70029	PO NH
USA	12952.9	C	1955	NMH	BALTIMORE	MARCO	V MARKER	PT CA
USA	13034.0	C	0147	MCC		MARCO	U MARKER AND FREQS	TL AL
USA	13201.0	U	0234	AGR2	HICKAM AFB HI	USAF	CODED PHONETIC TFC	JB CA
USA	14441.0	U	1505	NNNDPM	VIRGINIA BEACH	USN MARS	MKG NNONIK	NAP AL
USA	16587.1	U	2006	KHT	CEDAR RAPIDS IA	MARCO	MKG TEL TFC W/ SHIPS	JFH MA
USA	18137.5	I	2300	"UOR"	DELAND	USIA	EE ON LSB, CC ON USB	RR MS

UON 10828.0 C 1800 KCH80 WASHINGTON DC D08 DE MARKER RFA. IA

CENTRAL AMERICA

PANA 12699.0 C 2003 HPP PANAMA CITY MARCO CQ MARKER AL. MA

CARIBBEAN

BAHM 3786.0 U 0055 CORAL HARBOR DEFENSE W/G NOVEMBER MIKE SS. NY  
CUBA 8700.5 C 0300 CLA CQ ID AND FREDS TL. AL  
HART 8478.5 C 0335 FUF MD MSG RJC. MA  
PR 8291.1 U 1505 WGW MARCO CLG TUG APACHE NAF. AL  
PR 8471.0 C 0330 NHR SAN JUAN USCG QAU? RJC. MA

SOUTH AMERICA

AFGN 12991.0 C 0201 LPD88 GENERAL PACHECO MARCO U/CQ MARKER BJ. TX  
BRZL 8520.1 C 2345 PPO OLINDA MARCO U MARKER NAF. AL  
BRZL 16983.9 C 1624 PPR RIO DE JANEIRO MARCO V MARKER PAC. UK  
CHIL 6980.0 C 0251 CCS MARCO DE MARKER TL. AL & RA. MS  
SURI 8652.5 C 1213 PZH MARCO CQ MARKER NAF. AL  
UGBY 8602.0 C 0012 CWA CERRITO MARCO CQ MARKER NAF. AL

EUROPE

BULG 12936.0 C 0343 LZV UFAVA MARCO DE MARKER BJ. TX  
CZEC 16977.0 C 1940 ONP6 PRAGUE MARCO DE ONP6/44 MARKER PAC. UK  
ENG 8495.0 C 0432 GKE3 CQ MARKER TL. AL  
ENG 11200.0 U 0930 MUU LONDON RAF WEATHER BULLETIN ND. FR  
FRAN 13565.0 U 2046 FTM56 PARIS FTS TEST TRANSMISSION ND. FR  
FRG 8483.0 C 0340 DAN NORDDEICH MARCO CQ MARKER RJC. MA  
FRG 8648.0 C 0207 DHJ59 U MARKER RA. MS  
GREE 10295.0 C 2021 KHS78 ATHENS DOS QRA MARKER PO. NH  
ITLV 8650.0 C 0229 ICB GENDR MARCO U MARKER BJ. TX  
ITLV 8654.0 C 0256 IAR MARCO U MARKER TL. AL  
NETH 8622.0 C 0025 PCH51 SCHEVINGEN MARCO DE MARKER NAF. AL  
NOR 12727.5 C 2008 LGH ROGALAND MARCO CQ MARKER BJ. TX, FB. FG AND AL. MA  
POL 13793.0 C 1855 SPW WARSAW PTT P/P ON USB & DATAPULSE LSB BF. CA  
PORT 8490.0 C 0152 CUL7 OERIAS NAUARD U MARKER RA. MS  
PORT 8931.0 C 0236 CTP POZUELO DEL REY NAUARD U MARKER BJ. TX  
SPAN 13128.7 U 1806 EHV TRAFFIC LIST PO. NH  
SWED 8498.0 C 0153 SAG4 LONG CQ MARKER RA. MS  
USSR 8580.0 C 0201 UQW4 CLG 4LS RA. MS  
USSR 8698.0 C 0211 UDK2 CLG 4LS RA. MS  
USSR 10676.0 C 0707 R1W MOSCOW NAUARD CLG UNID STATION FB. FG  
USSR 11155.0 C 2230 R1T MOSCOW NAUARD 5 LETTER GROUPS FB. FG  
USSR 11297.0 U 0936 LENINGRAD VOLNET AERO BULLETIN ND. FR  
USSR 12829.5 C 1305 UBF2 LENINGRAD MARCO CLG 4LT3 NAF. AL  
USSR 13879.0 C 0551 R1K26 \*\*\* WHAT IS THIS STATION, ASKS RAY? PLEASE HELP. \*\*\* RA. MS  
USSR 13977.5 U 0940 RAN MOSCOW PTT TEST TRANSMISSION RA. MS & PAC. UK  
YUGO 8700.0 C 0224 YUR RIJEKA MARCO U MARKER BJ. TX

AFRICA AND THE MIDDLE EAST

CYPR 8738.5 U 0214 58M2 NICOSIA MARCO VOICE MARKER JFH. MA & RA. MS  
DJIB 13042.5 C 2028 FUJ NAUARD U MARKER AL. MA  
QATR 8473.3 C 0151 A7D DOHA MARCO DE MARKER RA. MS  
QATR 12966.0 C 1107 A7D DOHA MARCO DE MARKER AL. MA  
SENE 8992.5 C 0550 6M4 DAKAR NAVY U MARKER ND. FR  
SOPF 17132.0 C 1713 2SJ6 CAPETOWN NAUARD CQ MARKER PAC. UK  
TURK 17008.5 C 2042 TAH ISTANBUL MARCO U MARKER PAC. UK

ASIA AND THE FAR EAST

HONG 6676.0 U 1759 HONG KONG VOLNET AERO BULLETIN, 1800\* ND. FR  
INDO 16861.7 C 1400 PK1 JAKARTA MARCO CQ MARKER PAC. UK  
JPAN 12673.5 C 1049 JOU NAGASAKI MARCO CQ MARKER AL. MA  
JPAN 13063.0 C 1100 JOB NAGASAKI MARCO CQ MARKER AL. MA  
JPAN 13069.5 U 1100 JOS NAGASAKI MARCO CQ MARKER AL. MA  
PNG 8903.0 U 1045 MORESBY AERO ID NOT COPIED, HELP PLEASE. NAF. AL  
PRC 8665.0 C 1540 XSG SHANGHAI MARCO CQ MARKER PT. CA

PACIFIC

AUST 12908.0 C 2013 VIX CANBERRA NAVY U MARKER PT. CA

FFFF	6462.0	C	1127	FUM	PAPEETE	NAVARO	U MARKER	AL MA
FIJI	8867.0	U	0422		NANDI		WKG S PACIFIC 701 (CALLS?)	JH MD
HI	6679.0	U	0605	KUH70	HONOLULU		REPO WEATHER	PK IL
HI	8765.4	U	1810	NND	HONOLULU	USCG	WEATHER	PO NH
HI	8828.0	U	0900	KUH70	HONOLULU	VOLNET	AVIATION WEATHER	PO NH & KH MA
HI	13282.0	U	0300	KUH70	HONOLULU	VOLNET	WEATHER	PO NH
HI	13294.0	U	0331		HONOLULU	REPO	WKG KOREAN AIR 025	JH MD

**RADIOTELETYPE (NOW INCLUDING RTTY SHIP LOGGINGS)**

FREQ	TIME	BD-SHIFT	CALL	CITY	IDENT	CNTY	TRAFFIC	CONTRIB
4235.0	0248	75-170R	NNN	PORTSMOUTH	USCG	USA	WKG MHUF NOAR ALBATROSS 10	SR MI
5906.0	0320	50-170	PPFN	MONSANTO	NAVARO	PORT	RYS, FOXES	AL MA
6420.2	0315	50-850R	DMZ33	RIODEJANEIRO		BRAZ	WKG BRAZILIAN TFC	JH MD
6502.4	0201	FEC	FFL	ST. LVS	NAVY	FRAN	SHIP TFC LIST	JFH MA
6620.0	0700	50-425N	DLU2	PRAGUE	PTT	CZEC	RYS, CLG TIRANA	FB FG
6909.0	1315	50-425N	MFA	BUCHAREST		ROM	MSGS TO TIRANA	FB FG
7312.0	0240	75-850N	CCF	?	NAVARO	CHIL	RYS, TFC TO LOL	JB CA
8023.9	2000	50-350N	FTI 2/H3	PARIS	AFP	FRAN	PRESS IN FF TO MID. EAST	MD FR
8281.7	2219	ARRQ	KNJD		SHIP		WKG HLO MOBILE	JH MD
8298.0	0132	50-170N	UFPS,	"PIONEER MURMUNA"	SHIP		WKG BATUMI MARCO	RNA IA
8299.0	0116	50-170N	UNAK,	"MB 2420"	SHIP		RYS, WKG NRM MARCO	RNA IA
8328.5	0326	ARRQ	SKOV,	"SOKOLICA 2"	SHIP		WKG GOVYA	JH MD
8346.0	0315	ARRQ	SKTZ,	"STENA MARINER"	SHIP		WKG HLO MOBILE	JH MD
8346.0	0341	ARRQ		"WILLOWBANK"	SHIP		WKG HLO MOBILE	JH MD
8346.0	0345	ARRQ	ELEUB,	"OSCO BEDUIN"	SHIP		WKG LGBR2 ROGALAND	JH MD
8347.0	0333	ARRQ	HOAR,	"JANGMI"	SHIP		WKG SBB407 GOTEBOAG	JH MD
8349.0	0110	ARRQ	SVJU,	"MU ANANGEL WISDOM"	SHIP		WKG SUS4 ATHENS	AL MA
8349.5	0348	ARRQ	UBP1,	"ANDREY ANEREVEV"	SHIP		WKG UAH TALLINN	JH MD
8350.0	2253	50-170	ULB1,	"KOMI UZBEKISTANA"	SHIP		WKG URB KLAIPEDA	JH MD
8351.0	0326	ARRQ	C6BL8,	"ZENIT MIKE"	SHIP		WKG HLO MOBILE	JH MD
8351.0	0257	ARRQ	ICCO,	"CARLA COSTA"	SHIP		WKG HLO MOBILE	AL MA
8352.0	0345	ARRQ	POGB,	"NEDLOYD DEJIMA"	SHIP		WKG SCHEVENINGEN	JH MD
8353.6	0259	50-170N	UJXB		SHIP		CLG UUY, RYS	JFH MA
8354.0	2003	ARRQ	GBKF,	"FORT GARRY"	SHIP		WKG MCC CHATHAM	JH MD
8354.0	0406	ARRQ	GHQH		SHIP		WKG MCC WITH TELEXES	JFH MA
8356.0	2357	ARRQ	PGON,	"PACIFIC LADY"	SHIP		WKG SCHEVENINGEN	JH MD
8356.5	0341	50-170	UKUH,	"ANTANIS SNECHKUS"	SHIP		WKG URB2 KLAIPEDA	JH MD
8357.0	0053	ARRQ	GZFC,	"MU OSAGE"	SHIP		WKG GK04 PORTISHEAD	AL MA
8439.0	0143	75-850R	PBC3			METH	RYS, DE MARKER	RR MS
8454.0	0148	50-170N	LUJY			USSR	RR TELEGRAMS	RR MS
8458.0	2310	75-850R	58JQJ	MADRID	NAVARO	SPAN	RYS, 2311*	FB FG
9228.1	2106	FAX	AXD 70	KHABAROVSK	METEO	USSR	CHART OF UNID COUNTRY	MD FR
10122.0	0001	50-425N	S9Y	SAO TOME		STAP	RYS, AERA WX	RNA IA
10137.0	2308	50-644	TNL97	BRAZZAVILLE	METEO	CONG	WEATHER	JH MD
10220.0	0030	50-428R	CML28	HAVANA	ITT	CUBA	RYS TO ITT NEW YORK	JB CA
10228.1	0824	FAX	AKA78	MOSCOW	METEO	USSR	CHART OF N. HEMISPHERE	MD FR
10232.7	2315	75-95R	"UOR"	BETHANY	USA	USA	NEWS (BETHANY IS IN OHIO)	JH MD
10390.0	2128	ARRQ	FSB57	PARIS	INTRPL	FRAN	INTERPOL TRAFFIC	SR MI
11100.5	0050	50-850N	CAK	SANTIAGO	METEO	CHIL	DE MARKER, WEATHER	RNA IA
11363.0	1045	75-850R	KRMS1	LONDON		ENG	FOXES	FB FG
11453.0	2259	50-850	IMB33	ROME	METEO	ITLV	WEATHER	JH MD
12492.0	1106	ARRQ	ZELP,	"MU STAFFORDSHIRE"	SHIP		WKG GKES PORTISHEAD	AL MA
12492.0	1119	ARRQ	DIAC,	"MU ANDRIA"	SHIP		WKG GKES PORTISHEAD	AL MA
12492.5	0320	ARRQ	KLFM,	"MU ATLAS MARINER"	SHIP		WKG GKE	JB CA
12495.0	1457	ARRQ	ELFE7,	"MT FORTUNE"	SHIP		WKG SAB GOTEBOAG	AL MA
12497.0	2239	ARRQ	ABOV,	"FELANIA"	SHIP		WKG SCHEVENINGEN	JH MD
12501.5	2214	ARRQ	9UKP,	"FAITH"	SHIP		WKG MCC CHATHAM	JH MD
12501.5	1519	ARRQ	SUML,	"MT PEGASUS"	SHIP		WKG MCC CHATHAM	AL MA
12504.5	1846	ARRQ	UUTK,	"THK LONONOSOOU"	SHIP		WKG URD	FB FG
12661.5	1300	50-170R	UNV	MURMANSK	MARCO	USSR	RR MSG TO SHIP	FB FG
12693.0	1309	75-850R	58JQJ	MADRID	NAVARO	SPAN	RYS, CLG 56URZ	FB FG
12739.0	1600	50-170N	URT	MOSCOW	MARCO	USSR	MSGS TO TKH M SUSLOV	FB FG
12754.0	1300	75-150R	ATER,	"NOAR RESEARCHER"	SHIP		WKG NNA	RNA IA
12815.0	1310	50-170N	UDH	RIGA	MARCO	USSR	MSGS TO SHIPS, CH @ 1312	FB FG
12947.0	1316	50-170N	UFB	ODESSA	MARCO	USSR	MSGS TO ALL SHIPS	FB FG
12993.0	2105	50	URL	SEVASTOPOL	MARCO	USSR	RYS, DE MARKER	PAC UK

**SHIPS (FOR SHIPS BROADCASTING IN RTTY, SEE ABOVE SECTION)**

FREQ	M TIME	CALL	NAME	TRAFFIC	CONTRIB
2166.0	U 2248	PAUX	ABRAHAM CRYNSEN	WKG H00	PO NH

4088.0 U 1948		USS CORTE DE MARCO	WKG NORFOLK ICSB	JH MD
4066.1 U 1232		USS GUARDALCANAL	CLG NORFOLK ICSB	AL MA
4069.2 U 0252	LKOH	SKYARD	WKG WOI	PO NH
4075.4 U 0219		STARBRIDGE	WKG WLC ROGERS CITY MI	PO NH
4090.9 U 0152	3FM62	BERMUDA STAR	WKG WOO	PO NH
4094.0 U 1908	KNFG	AMERICAN N. CAROLINA	WKG WOO	PO NH
4109.5 U 2328	GBT	RMS QUEEN ELIZABETH II	WKG WOO DURING OPERATION SAIL	PO NH
4128.1 U 1422	KPAD	TEXACO MASSACHUSETTS	WKG WOO	PO NH
4128.1 U 1837	NACB	COC EAGLE	WKG WOO, EN ROUTE TO OP SAIL	PO NH
4134.3 U 0131	NACB	COC EAGLE	WKG WOF BOSTON	AL MA
4134.3 U 1755	NAPR	COC CONIFER	WKG WOH PORTSMOUTH	AL MA
4206.0 C 0049	C68G7	MT POINT ANNOUR	MSG TO UCS	FMB NJ
4400.8 U 0014	NOBL	COC OCACOKE	WKG MIAMI	JFH MA
5320.0 U 0204	NARU	COC MOBILE BAY	WKG USCG GROUP MILWAUKEE	SS NY
5320.0 U 0246	NAPX	COC BUTTWOOD	WKG NMG NEW ORLEANS	AL MA
5320.0 U 0218	NALZ	COC CAPE GULL	WKG NMAZ FORT PIERCE	AL MA
6200.0 U 0328	MUES	COC VENTUROUS	WKG NMC SAN FRANCISCO	AL MA
6200.0 U 0342	MREJ	NORA SU MCARTHUR	WKG NMC SAN FRANCISCO	AL MA
6200.0 U 1500	MRFU	NORA RV ALBATROSS IV	WKG NMM PORTSMOUTH	AL MA
6200.0 U 1427	MTEZ	NORA FERREL	WKG NMM	NAP AL
6200.0 U 1455	NDTS	COC DRAUNTLESS	WKG NMM	NAP AL
6506.4 U 0010	DWAP	NS BRAUNSCHEIG	WKG USS KALAMAZOO RE: MEDIUAC	JFH MA
8198.1 U 1919	LENA	SONG OF NORWAY	WKG WOI	PO NH
8204.3 U 0317	GBM	ISLAND PRINCESS	WKG KHI	PO NH
8294.2 U 1730	KHAK	SEALAND VOYAGER	WKG SEALAND LEADER	JH MD
8294.2 U 1220		TUG GAUNTLET	WKG WPE FOR MED INFO	NAP AL
8294.2 U 1738	MSNH	SEALAND LEADER	WKG WPS	JH MD
8294.2 U 1316	KHMF	SEALAND SAINT LOUIS	WKG WAF NEW JERSEY	AL MA
8294.2 U 1333		SEALAND SAN PEDRO	WKG WAF ELIZABETH NJ	AL MA
8385.0 C 2318	ELDU4	SPRING FALCON	WKG GKG	FMB NJ
8393.3 C 2343	VTVK	KRAIGHER B	TELEX TO ICB GENOUR	AM IL
8401.0 C 2327	9UDU	MV CASSIOPEIA	MSG TO GKC	FMB NJ
8406.0 C 0325	LADO	MYHOLT	MSG TO KFS	FMB NJ
8718.0 U 1539		USNS MOHAWK	WKG CONSERV 8	AL MA
8718.0 U 1248		USS ADROIT	WKG USS GRASP	AL MA
8753.0 U 1432	MTET	NORA SU RUDE	WKG KUH NORA NORFOLK	AL MA
8753.0 U 1240	WTER	NORA RV RESEARCHER	WKG KUK NORA MIAMI	AL MA
8753.0 U 1236	WTEV	NORA SU HECK	WKG KUH NORA NORFOLK	AL MA
8796.4 U 0124		QUEEN ELIZABETH II	P/P VIA WOO	TF KY
12330.0 U 1900		HMS SOUTHAMPTON	WKG GKT51 PORTSHEARD	PO NH
12432.3 U 1342	WAFR	EXCON BAYON ROUGE	WKG KHT CEDAR RAPIDS IA	AL MA
12432.3 U 1341	KECJ	RV KNORA	WKG KXC713 WOODS HOLE MA	AL MA
12604.0 C 1859	JQUO	ASRIA MARU	CLG JFA GYGYO	AM IL
14441.5 U 1558	NNDCU1	USS HARLAND COUNTY	WKG ANY STATESIDE MARS STN	AL MA
14441.5 U 2243	NNDCOX	USS NORTHLAND	WKG NNNDIK	AL MA
14441.5 U 2258	NNDCOC	USS TRUCKEE	CLG ANY STATESIDE MARS STN	AL MA
14441.5 U 1605	NNDC2G	USS JOHN HANCOCK	WKG NNNDSTN	NAP AL
16733.0 C 0004	3EBL2	RAJAH TIMOR	CLG HLO SEOUL	AM IL
16745.8 C 0030	8KSJ	KOYO MARU	CLG JDC CHOSHI	AM IL
16775.0 C 1429	GZKA	ACT 3	WEATHER REPORT TO NMC	AM IL
16779.0 C 2152	HCBV	BABAHOVO	POSITION REPORT TO GUYAQUIL	AM IL
16780.0 C 1654	PPHQ	QUITAUNA	P/P TELEX TO PPO	AM IL

#### AIRCRAFT

FREQ	M TIME	CALL	TRAFFIC	CONTRIB
5493.0 U 0310		UTA 325	WKG BRAZZAVILLE	JH MD
5529.0 U 0354		JAPAN AIR 64	WKG HOUSTON LDOC	JH MD
5535.0 U 0343		SPEEDBIRD 202	WKG SPEEDBIRD LONDON	JH MD
5535.0 U 0135		SPEEDBIRD 216	CLG SPEEDBIRD LONDON	RJC MA
5535.0 U 0205		EASTERN 960	WKG BERMUDA	RJC MA
5598.0 U 0609		AIR FRANCE 063U	POSITION REPORT TO NEW YORK	RA MS
5616.0 U 0142		EASTERN 444	WKG NEW YORK	RJC MA
5616.0 U 1244		CONTINENTAL 5	WKG SHANNICK	PAC UK
5622.0 U 1303		PAN AM 64	WKG HONOLULU	PT CA
5652.0 U 0326		ALITALIA 993	WKG ALGIERS	JH MD
5692.0 U 0310		CG 2140	WKG SAN JUAN	JH MD
5696.0 U 0033		CG 1494	WKG NMA	RA MS
6577.0 U 0131		SKYSTAR 410	WKG NEW YORK	NAP AL
6577.0 U 0120		DOMINICANA 903	WKG NEW YORK	NAP AL
8825.0 U 1936		CARGOLUX 773	WKG GANDER	PO NH
8864.0 U 1821		LTU 900	WKG NEW YORK	PO NH
8930.0 U 2008		KUWAITI 101	WKG STOCKHOLM	SS NY



8964.0	U	0324	GULL 22	WKG HICKEN	JH. MD
8993.0	U	0351	VARIG 876	WKG ALBROOK	JH. MD
8993.0	U	1300	BRAZILIAN AIR FORCE 2464	WKG MACDILL AFB	PO. NH
11176.0	U	2206	TEAL 03	WKG ALBROOK	PO. NH
11176.0	U	0035	GULL 01	P/P TO MIAMI MONITOR VIA ALBROOK	SS. NY
11180.0	L	1920	SAM 26000	WKG ANDREWS AFB	PO. NH
11182.0	U	1943	TEAL 35	WKG SCOTT	PO. NH
11204.0	U	2113	ASCOT 5064	WKG RAF BELIZE	SS. NY
11214.0	U	2230	BRENNMASTER	WKG TRENTON, "DON'T ANSWER"	BD. CT
11282.0	U	2321	FRENCH MILITARY 8806	WKG SAN FRANCISCO	PO. NH
11345.0	U	0311	MARTINAIR BP	WKG STOCKHOLM	PO. NH
13294.0	U	2320	CG 1700	WKG HONOLULU	JH. MD

### TACTICAL

FREQ	M	TIME	CALL	TRAFFIC	CONTRIB
4586.0	U	0330	EAGLE 791	CLG EAGLE 157	JB. CA
7546.0	U	1409	SPORTSCAR	CODED MSG TO RETAIL SALES VIA BEERCASE	PK. IL
11076.0	U	0228	ATLAS	WKG SLINGSHOT	SS. NY
11214.0	U	1912	SENTRY 34	WKG RAYMOND 24	SS. NY
11182.0	U	1357	ABONG 80	WKG SCOTT AFB	PO. NH
11182.0	U	2021	FONDU 64	WKG SCOTT	PO. NH
11182.0	U	1852	GRUEL 81	WKG SCOTT	PO. NH
11243.0	U	0250	ROGUE 59	WKG JIFFY CONTROL AND DUSTMOP	SS. NY
11401.0	U	1453	Y3K	WKG P90 AND K95	BD. CT
13241.0	U	1416	CUB BEAR	CODED TRAFFIC	PO. NH
14483.5	U	2110	SIERRA TANGO NOVEMBER	TRAFFIC TO UNID STATION	RR. MS

### NUMBERS

FREQ	DATE	START-STOP	M	LL/06	TRAFFIC	CONTRIB
4780.0	29	JULY 0701-	A	SS/YL	"ATENCION 676 161", 50 GROUPS WITH NO "GRUPO #"	PT. CA
4780.0	22	JULY 0305-	A	SS/YL	50 GROUPS	PT. CA
4781.0	12	AUG 0307-	A	SS/YL	50 GROUPS	TJK. MI
5090.0	10	JULY 2345-	A	EE/YL	3/2 GROUPS, CARRIER ON FOR 15 MIN. AFTER XMSN	TFS. PA
5090.0	12	AUG 2311-	A	EE/YL	3/2 GROUPS	TJK. MI
5091.0	3	AUG 0025-0044	C		5L GROUPS, "AT6" S/OM, "VA" S/OFF	FIB. NJ
5812.0	10	JULY 0400-0446	A	SS/YL	// 6802	RHP. NM
6760.0	29	JULY 0707-	A	SS/YL	// 4780, 50 GROUPS	PT. CA
6802.0	12	JULY 0100-0146	A	SS/YL	40 GROUPS, ALSO // 9075 AND 11532	RHP. NM
9885.0	16	JULY 0602-0624	A	SS/YL	50 GROUPS, TWO TAPES OVERLAPPING TO 0614	RHP. NM
10130.0	20	JULY 0556-	U	RR/OM	50 GROUPS	ND. FR
10135.0	20	JULY 0803-	U	GG/YL	50 GROUPS	ND. FR
11108.0		1839-	U	GG/YL	50 GROUPS	PO. NH

### BEACONS

FREQ	M	TIME	CALL	TYPE	TRAFFIC	CONTRIB
7895.0	C	0553	N	SLHFB		RR. MS
8646.5	C	0206	P	CLUSTER		RR. MS
13636.0	C	0606	C	CLUSTER	F, O, AND K ALSO HEARD IN THE CLUSTER	RR. MS

### WLF/LF/MW

CNTRY	FREQ	M	TIME	CALL	CITY	IDENT	TRAFFIC	CONTRIB
COL	1685.0	C	0353	MER	MERCADERES	NDG		PO. NH
DEN	112.3	C	2137	OUR23	ARAHUS	DAN NAVY	TEST "D13 D22 D23 UUU DE OUR" ND. FR	
EGPT	500.0	C	0745	SUNK		SHIP	(WHAT A NAME FOR A SHIP!!!)	PAC. UK
EIRE	500.0	C	0740	EIBL		SHIP	WKG GHI	PAC. UK
FRAN	471.0	C	0225	PSY		NDG		PAC. UK
FRAN	500.0	C	1956	FFU	BREST	MARCO	CNZZ DE FFU	PAC. UK
ITLY	119.2	C	2126	IDQ		NAVY	TEST "IDQ/2/3/6"	ND. FR
NOR	500.0	C	1953	LGZ	FARSUND	MARCO	CQ MARKER	PAC. UK
SORF	468.0	C	1354	ZRCT	"WINTERBERG"	SHIP	MSG TO OST	PAC. UK
SPAIN	500.0	C	2001	ERS	CABO PENTAS	MARCO	CQ MARKER	PAC. UK
USA	198.0	C	0415	DIW	DIXON NC	NDG		KH. MA
USA	224.0	C	0106	BH	BIRMINGHAM AL	NDG		TL. AL
USA	251.0	C	0226	SKR	BEDFORD MA	NDG		KH. MA
USA	269.0	C	0220	TOF	BEVERLY MA	NDG		KH. MA
USA	382.0	A	0230	LQ	BOSTON (LOGAN)	AERO	VOICE WEATHER, CH 10	KH. MA

**QSLs**

LKOH	SHIP	SKYWARD	FD	PFC/MS/70	4069.2	PO. NH
HPEN	SHIP	SS BRITANIS	FD	PFC/MS/150, ALSO PICTURE	4128.1	PO. NH
MOOM	USCG	COC HORNBURN	FD	PFC/MS/90	5696.0	PO. NH
NPCB	USCG	COC EAGLE	FD	PFC/MS/460, POSTER, LTR, COIN	4134.3	PO. NH
GBTT	SHIP	QUEEN ELIZABETH II	FD	PFC/MS/150, PICTURE	4109.5	PO. NH
CGDG	SHIP	HMS ARK ROYAL	FD	LTR/2 IRC/260	3199.0	EZ. ME
NDKH	USN	USS MERRIMACK	FD	LTR/MS/180, PICTURE	6218.0	EZ. ME
KADC	SHIP	RJ ATLANTIS II	FD	PFC/MS/200, PICTURE	8291.1	EZ. ME
	SHIP	EXXON BALTIMORE	FD	LTR/MS/160, LTR FROM CAPTAIN	16587.1	EZ. ME
GBTT	SHIP	QUEEN ELIZABETH II	FD	PFC/2 IRC/220, PICTURE	8226.0	EZ. ME
GBTT	SHIP	QUEEN ELIZABETH II	FD	PFC/MS/4050!, STICKER, PIX	4109.5	AL. MA
NNNOCYK	USN	USS CONCORD	FD	PFC/NONE/310, PICTURE	14441.5	AL. MA
NNNOCRJ	USN	USS TALBOT	FD	PFC/NONE/300, PAMPHLET	14441.5	AL. MA
NNNOCXE	USN	USS NICHOLSON	FD	PFC/NONE/330, HAMS QSL CARD	14470.0	AL. MA
NNNOCUQ	USN	USS FRANK CABLE	FD	PFC/NONE/260, HAMS QSL CARD	14441.5	AL. MA
	USAF	TEAL 35	FD	PFC/MS/170	11182.0	PO. NH
	AERO	EL AL 004	FD	PFC/IRC RET/150 FROM N. YORK	8825.0	PO. NH
	AERO	SWISSAIR 101	FD	PFC/2 IRC/1220	3016.0	PO. NH
	USCG	CG 01	FD	PFC/MS/240, STICKER	5696.0	PO. NH
	USCG	CG 1500	FD	PFC/MS/300	5696.0	PO. NH
	AERO	IBERIAN 5977	FD	PFC/IRC RET/270	8825.0	PO. NH
ANGO D3E	MARCO	LUMINA	FD	LTR/2 IRC/3240	12780.0	PO. NH
CAN URX	NDB	BAGOTVILLE QU	PD	LTR/IRC RET/580	269.0	PO. NH
CAN UCO		SYDNEY NS	FD	PFC/MS/190	500.0	PO. NH
CAN Z	NDB	SEPT-ILES QU	FD	PFC/MS/230	354.0	PO. NH
ENG GYC	NAVARO	LONDON	FD	LTR/1 IRC/300	4300.2	EZ. ME
GDR Y3S	STFS	NAUEN	PD	CARD/2 IRC/830	4525.0	FW. MA
HONG UPS35	PTT	VICTORIA ISLAND	FD	LTR/IRC RET/190	8539.0	AL. MA
ISRL 4X0	MARCO	HAIFA	FD	PFC/MS/670	17060.0	NH. PA
ITLY IAN		ROME	FD	LTR/2 IRC/320	8685.0	EZ. ME
KUAT 9KK	PTT	KUMAIT	FD	LTR/1 IRC/18 MONTHS	12695.0	PAC. UK
JPAN JCU	MARCO	CHOSI	FD	CARD/2 IRC/100, PICTURE	12878.0	EZ. ME
JPAN JOR		MAGSAKI	FD	LTR/2 IRC/200	13008.0	EZ. ME
MROC CHM61		BARAT	FD	LTR/2 IRC/1740, SKED	14760.0	EZ. ME
NETH PCG41	MARCO	SCHUENENGEN	PD	CARD/2 IRC/200	8796.4	PO. NH
NIGR SUR		NIAMEY	FD	PFC/2 IRC/220	14937.5	EZ. ME
SCOT NGJ		FASLANE	FD	LTR/1 IRC/1590	2767.0	AL. MA
USA KHT		CEDAR RAPIDS IA	FD	PFC/MS/90	16587.1	AL. MA
USA IUB	NDB	BALTIMORE MD	FD	PFC/MS/290	404.0	PO. NH
USA K1G447	CAP	SOUTH CAROLINA	FD	PFC/MS/150	4585.0	PO. NH
USA KSF248	CAP	WARRENVILLE IL	FD	PFC/MS/440	4602.5	PO. NH
USA NMF4	USCG	POINT ALLERTON MA	FD	PFC/MS/90	2182.0	PO. NH
USA WCM		CINCINNATI	FD	PFC/MS/40	4063.0	PO. NH
USA WLC		ROGERS CITY MI	FD	PFC/MS/340	4369.8	PO. NH

**CONTRIBUTORS**

AHP. MI	ART PIKE-NEW MEXICO	ND. FR	NICOLAS DELAUNOY-FRANCE
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BJ. TX	BRIAN JONES-TEXAS	PK. IL	PATRICK KERRIGAN-ILLINOIS
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PLUS...

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MARK CHINSKY-NEW YORK	JOHN KAPINOS-MASSACHUSETTS	JOERG KLINGENFUSS-WEST GERMANY

Thanks to 45 contributors this month! We have some "Random Notes" to take care of.

**Robert Fraser-MA** needs some information. He's looking for a copy of the U.S. Coast Guard's radio call book from the 1950's to 1960's. This might be a Navy document. What he needs is the call letters of American lightships. These vessels were not named but were numbered from 501 to 613 and had the prefix "WAL-", changed in 1965 to "WLV-". The names they carried were the places they were anchored, and he has that information. He's trying to get the call letters of the individual ships. Can anyone help? If so, write Bob at 50 Todd Road, Cohasset, MA 02025.

**John "Kap" Kapinos-MA** (boy, you Massachusetts varminets are everywhere, Hll) notes that Raymond Rocker's unidentified station from last month [cf. August "Utility Scene", page 48] on 14235.5 KHz is smack dab in the middle of the 20 meter slow scan TV net. Evidently that's the source of the "flute like" tones Raymond heard. Thanks, Kap, for providing a clue!

The inclusion of the RITY ship loggings in the RITY section was suggested by **Steve Rutledge-MI**. Steve noted that including them in the "Ships" section eliminated the chance to see what the baud rate and shift were for the logging. Good point, Steve. Let me know what you think of this, and I'll pass the consensus along to Jeff Knapp.

**Mike Agner-PA** would like to thank all those who responded to his request for information on "hurricane hunters" a few months back. No problem, Mike, that's why SPEEDX is known as such a friendly club!

#### **PUBLICATIONS CORNER**

**Peter Conway-U.K.** received a nice birthday present from his wife... a copy of the "Admiralty List of Radio Signals", volume one, parts 1 and 2. It's published in the U.K., and Peter says it covers the world with frequencies, skeds, and so on. He says "I can thoroughly recommend it to dedicated "MARCO" hunters." If you're interested, write **Brown and Perring Limited, 36/44 Tabernacle Street, London EC2A 4DT, U.K.** The cost is £18-40 with postage extra, so check with the publisher before you send any money.

Many of you are familiar with the fine UTE publications from **Joerg Klingenfuss-FRG**. Joerg has just finished a major revision and expansion of his "Guide to Facsimile Stations", last published in 1982. According to a press release, it not only includes not only frequencies, call signs and schedules, but also new articles on EAI equipment and techniques and a list of sample charts and their interpretations. The new sixth edition of this book is DM 30.- from **Klingenfuss Publications, Hagenloher Str. 14, D-7400 Tuebingen, Federal Republic of Germany**. Mention **SPEEDX!**

Another reference which has recently undergone an update is **Larry Van Horn's** "Communications Satellites", published by Grove Enterprises. The sample copy sent to me by Bob Grove has been read cover to cover already by ye editor. Having been trained in my recent college education as an interpreter of aerial imagery from satellites, Larry's sections on the GOES, NOAA, and Landsat programs was particularly interesting, although I don't have any equipment to receive the images at home. I'm not an expert on satellites, however, but I'd hazard a guess that if a satellite is up there that you can receive images from, or broadcast through in the case of amateur radio satellites, Larry probably has covered it in this book. The book is mostly in article format, but many charts and photos add to the book's usefulness as a desk reference. There's also a large frequency cross-reference in the back of the book to facilitate identification of satellite signals. If this area of UTE listening interests you, "Communications Satellites" is \$16.45 including shipping to the U.S., \$17.95 including surface mail shipping elsewhere, from **Grove Enterprises, P.O. Box 98, Brasstown, NC 28902**.

That will about do it for September. Please continue to "self-edit" your loggings so that only the best will appear. Between reduced page allocations and limited time, I cannot produce a ten or twelve page column. Next month's column will again be only seven pages, so please help me out by being selective with what you send along. Here's hoping the DX will improve. Let's we'll meet here next month. **73!**

**CONTRIBUTORS LIST:**

SEPTEMBER 1986

EDITED BY: JOHN TRAUTSCHOLD & THE ALTAIR 8800 COMPUTER  
354 N. WINSTON DRIVE, PALATINE, IL 60067 U.S.A.

TOTAL CONTRIBUTORS: 88

3	ADDISON, JOE	KS R600	2	LEMKE, RICHARD	AB IC-R71A
2	ALLEN, MICHAEL	CA R600	1	LOTURCO, JOE	NY ICF2010
1	ATKINS, GARY	GA R392	3	LUNSFORD, LYLE	CA ICF6700W
2	ATKINS, GUY	WA IC-R70	2	MANDERSCHIED, MIKE	CA ICF2001
1	BALDWIN, TIMOTHY	NY NRD515	2	MERCHANT, CHRIS	NH TS430
2	BALT, STEVE	IL R2000	6	MEZEK, FRANK	CD IC-R71A
1	BERRI, JASON	CA RF2900	1	MILLER, LARRY	PA
1	BISHOP, FORREST	NY RF4800	1	MILLER, WILLIAM	CA DX400
1	BODENHAGEN, FRED	FG SAT 3400	2	MOSER, ROBERT	IL
2	BOWDEN, RALPH	CA	4	McCANTS, DDN	AL RF2200
3	BRADLEY, HERBERT	MA DX302	2	McENTEE, ROBERT	TX
5	BROWN, EDWARD	IL RF2200	1	NEWKIRK, DAVID	CT
1	BURGER, PETER	NC	1	PASKIEWICZ, SHERYL	WI NRD515
1	BYRNE, MICHAEL	AU NRD515	1	PHILLIPS, LOUIS	PA DX400
3	CAMPBELL, BILL	CT NRD515	1	PIKE, ARTHUR	NM ICF6800W
2	CODAY, RICHARD	CA FRG7700	3	QUAGLIERI, AL	NY EC950/3
2	COLEMAN, ROBERT	MA FRG7	1	ROBINSON, BETSY	TN CR2021
1	DALY, TOM	NY NRD515	2	ROCKER, RAYMOND	MS FT757GX
2	DILLON, PETER	MD DX400	2	ROMBERG, BILL	WI RF4900
2	DOYLE, BOB	CT ICF2010	1	RUHE, ROBERT	PA R2000
1	DROLLINGER, RICK	WI	1	SABLE, THOMAS	PA TS4305
4	EMERSON, TERRY	OR RF3100	3	SAMPSON, DANIEL	WI R1000
2	EVANS, JAMES	TN R2000	1	SANDERSON, JACK	AZ R1000
1	FAMULARO, RALPH	JP RF-B30	1	SHANKLIN, GEOFFREY	MA IC-R70
1	FLANNAGAN, MELVIN	VA	1	SHARP, DAVID	FL R600
1	FORSGREN, RAY	WI FRG7700	1	SHARPE, BRYAN	CA DX302
1	FREEMAN, JOHN	AZ HQ160	1	SHEEDY, DAN	CA IC-R70
1	GEORGE, NELSON	NC IC-R71A	1	SHIMADA, SENSU	JP FRG7700
3	GEORGE, STEVE	MA IC-R71A	1	SOOMREY, ED	MA R2000
1	GERSTNER, JOHN	NY DX1000	1	STANLEY, TREVOR	AZ NRD515
1	HARDESTER, MIKE	PA FRG7000	1	STEPHANY, NOLAN	NY
2	HAVRILKO, VINCENT	UK CR2021	1	THOMPSON, PEGGY	CA FRG7
1	HEATON, JOHN	FL DX150	2	THUNBERG, BOB	PA R1000
1	HEINEN, WAYNE	CO R390A	2	VAN HORN, GAYLE	FL RF3100
3	HILL, KENNETH	MA DX1000	4	WAKEFIELD, PAUL	IA DX160
2	HUFFAKER, CARL	MX HOMEBREW	3	WEBER, DONALD	OH R2000
2	JONES, BRIAN	TX IC-R70	2	WEISS, CHARLES	OH RF-B600
1	KAESSINGER, ROBERT	FG R2000	1	WELCH, FRANK	MA ICF6800W
1	KENNEDY, JACK	NJ	7	WESTENHAVER, WILLIAM	QU ICF6500W
1	KEPHART, TOM	MI RF2600	1	WILKINS, JOHN	CO R1000
1	KLOPFENSTEIN, DAVID	OR	4	WINIARZ, MICHAEL	QU RF2600
1	KRIST, KRAIG	VA FRG7700	1	WOERING, HAROLD	MA R1000
1	LEHMAN, DIANN	MA R2000	1	ZIEGLER, EDWARD	ME R2000
1	LEITE, STEPHEN	MA NRD515	1	ZIRKELBACH, BOB	CA R2000

THE FOLLOWING COLUMNS DIRECT CONTRIBUTIONS WERE NOT RECEIVED IN TIME:

NA# / LA# / UTILITIES

THE FOLLOWING COLUMNS ARE INCLUDED FROM LAST MONTHS BULLETIN:

DX MONTAGE / NA# / LA#

Hi gang...another short month..this time due to not receiving Peggy Thompson's contributor list in time...it must be the mail as she's always right on time otherwise, so we'll include it next month. Until then, 73. JOHN

need to find a new printer, etc., and this combined with the personal time needed to move may delay one or two issues of the magazine. If it appears that the move will be very difficult, I have arranged for a substitute publisher, but I'd prefer not to resort to that.

In addition, I'm still filling in as "Utility Scene" editor. I agreed to fill in for three months, and it's already been four. As you can see, I don't have time to continue with this setup, although I will do so as opposed to dropping the column for even one month! Both Rick Drollinger and I are hopeful that we'll hear from Jeff Knapp soon, because he's done a great job with the column, and we don't want to lose him. **But I'd appreciate it if a few of you UTEs who might be interested in editing would contact me.** If Jeff can't resume editing fairly soon, we need to find someone else. Thanks.

So, in short, I apologize for any delays in production of the magazine in the next few months. I will attempt to keep delays at a minimum, but I felt that the membership deserved to know what was going on. I really appreciate your understanding.

## ANARCON '86 REPORT by Tom Kephart and Woody Seymour

This year's ANARC convention, sponsored by Radio Canada International and held in Montréal, was a definite success. It was well-organized, with RCI's Ian McFarland heading up the planning. It was in a very nice location, the Holiday Inn Place Dupuis in downtown Montréal. The weather was great, although a bit hot.

If you're a member of another ANARC club, or listen regularly to Radio Earth, RCI's "SWL Digest", or HCJB, you may already have heard about the elevators. The Holiday Inn was a rather tall 30-story or so edifice, so elevators would appear to be rather important. These elevators were anything but "express" lifts, though, and many ANARCON attendees waited 15-20 minutes for an elevator (and almost that long once aboard to get to one's floor!). **John**

**Kapinos** explained in *FREEDX* (August) that the elevator operator was actually the former engineer of the infamous Radio Havana "hum" transmitter, hi! No argument here, Kap!

One difference that has slowly been occurring at the conventions is the increased involvement of international broadcasters. This year's was sponsored by RCI, of course, but VOA, Voice of Free China, HCJB, Radio France International, Radio Netherlands, Belgian Radio and TV, Radio Discovery, Deutsche Welle, Radio Earth, the Red Cross Broadcasting Service were also represented. RCI's "SWL Digest Forum" and "Listener's Corner", HCJB's "Saludos Amigos", and Radio Earth's "The World" were all recorded live at the convention.

There was much free material and souvenirs available at the convention. One of the most popular stops was the VOA booth, where U.S. citizens could pick up those pennants, stickers, and *VOA* magazines that we're forbidden to obtain while in the States. (*VOA* magazine is, by the way, printed in the Philippines, it was revealed during the weekend.)

The annual question to the RFI representative about the expansion of RFI English Service to North America received the annual noncommittal answer. **Wolfgang Pleines** of Deutsche Welle explained why putting a relay site directly between two warring ethnic groups isn't a very good idea. Recent reports of the demise of RCI's North American Service were put to rest (mostly) by Ian McFarland. If you enjoy the CBC programs "As It Happens" and "World at Six", you'll like the change. If you're an "RCI Journal" fan, you'll have to start getting up a little earlier!

The ANARC auction was handled by SPEEDX's own **John Trautschold-IL**. The final item was the Executive Secretary's job, which **Terry Colgan** is leaving in October. No one was stepping forward over the weekend, so it was auctioned to SPEEDXer **Don Hosmer-MI**, also business manager of the Michigan Area Radio Enthusiasts. Ye publisher thinks he ought to keep the title!

More next month... *Tom*



## SPEEDXers at ANARCON '86, Montréal, Québec, Canada

Tom and Doreen Kephart  
 Woody Seymour, Jr.  
 Frank Mezek  
 Peter Card  
 David Jones  
 George Neff  
 Tom Hanna  
 Bruce Johnston  
 Joe LoTurco  
 John Kapinos  
 Bill Black  
 Eric Cottrell

John Trautschold  
 Ray Forsgren  
 Bill Westenhaber  
 Geoff Shanklin  
 Sandra Manning  
 Ruth Hesch  
 Frank Decker  
 John Summers  
 Jean Boucher  
 Chris Merchant  
 Mike Krebs  
 Sheldon Harvey

Tom Sable  
 Al Quagliari  
 Jean Burnell  
 Don Hosmer  
 Rich D'Angelo  
 Don Moman  
 Rick Blaisdell  
 Terry and Kathy Lynch  
 Merio Stutterheim  
 Mike Harris  
 Robert Evans

Sorry if I missed anyone. Let's do it again next year, eh? *Tom*

TIME		FREQ	STATION	LANG	QUALITY			PROGRAM DETAILS	QSL	
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*Tom Kephart*

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**WANTED:** Used WRTHs, pennants to buy or trade, any HCJB materials for collection (QSL cards, skeeds, brochures, pins, etc.) Ed Soomre, 1

Aicott Drive, Northboro, MA 01532. Phone (617) 393-6052.

**FOR SALE:** BC201 (\$125), PRO2003 (\$150), BC300 (\$150), REG D-810 (\$150), BC250 (\$225), BC100 (\$150), UNIDEN CR-2021 (\$175), SONY 2002 (\$175), all in excellent condition. Larry Snyder, 11664 West Sarasota Avenue, Morrison, CO 80465. Phone (303) 979-2856.

**WANTED:** Service or operating manual for a Drake SPR-4. Will pay all costs, can be a Xerox copy. Larry or Gayle Van Horn, 160 Lester Drive, Orange Park, FL 32073. Phone (904) 272-9654, after 10 pm Eastern Time.

**FOR SALE:** Jopen Radio Company NRD-515 general coverage receiver, complete with accessories in original case. Asking DM 2500. Joerg Klingenfuss, Hagenloher Str. 14, D-7400 Tuebingen, Federal Republic of Germany.

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