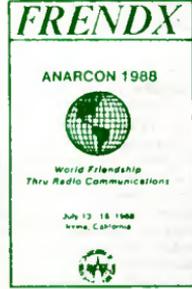
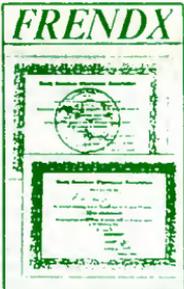


# FRENDX



## Glad Tidings



# Book Bonanza '88

Every fall Universal features a special sale called the *Book Bonanza*. We work with major publishers to bring you exceptional savings on the best radio books. These publications will make your listening more interesting and productive. Sale prices are valid from 10-20-88 to 12-20-88. Our new shortwave catalog 88-11 is available for \$1 or free with your order. **Please add \$1 per title for shipping.**

☐ Phone your order to:  
Toll Free: 800 431-3939  
In Ohio: 614 866-4267

☐ Mail your order to:  
Universal Radio  
1280 Aida Drive  
Reynoldsburg, OH 43068

## PASSPORT TO WORLD BAND RADIO

By Larry Magne  
Int'l. Broadcast Services  
A **must have** book for every SW broadcast listener. Provides complete visual data on all SWBC stations from 2 to 27 MHz. See at a glance: station name, location, frequency, time, language and power. Also includes candid hard hitting reviews on over 90 shortwave radios. Absolutely indispensable. Over 400 pages! New 1989 Edition in stock. ©1988  
Order #1047 ..... \$14-95 \$12.88

## SHORTWAVE RECEIVERS PAST & PRESENT

By Fred Osterman  
Universal Radio Research  
A concise guide to over 200 shortwave receivers manufactured in the last twenty years. Gives key information on each model including coverage, display, circuit type, performance, new value, used value, etc. Photos on most models. The *Blue Book* of shortwave radio values. ©1987 104 p.  
Order #2948 ..... \$6-95 \$5.88

## THE WORLD RADIO TV HANDBOOK 1989 Edition

Billboard Publication  
Considered the SWL's *Bible* with schedules, frequencies and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a by-frequency listing of SWBC stations. Some equipment reviews too. A publication every listener should have in their library. 43rd Edition. ©1989 Will be shipped when printed 01/09/89. Order now.  
Order #1661 ..... \$19-95 \$17.88

## SHORTWAVE LISTENING WITH THE EXPERTS

By Gerry Dexter  
Sams  
Over 500 pages of in-depth information on all aspects of listening. 25 chapters on setting up your shack, antennas, propagation, choosing a receiver, QSLing, computers & DXing, pirates, number stations, MW and FM DXing, utility and RTTY monitoring and more. Each chapter written by a specialist. ©1986 518 p.  
Order #2276 ..... \$19-95 \$18.88

## THE WORLD BELOW 500 KILOHERTZ

By Peter Carron Jr.  
Universal Radio Research  
A handy introduction to the world of longwave listening. Covers VLP, Loran, Omega, Lowfers, frequency use, receiver and antenna information and more. Not a beacon directory. ©1985 64 p.  
Order #0289 ..... \$4-95 \$3.88

## SHORTWAVE DIRECTORY

By Bob Grove  
Grove Publishing  
An interesting and readable guide to the utility stations. New revised Fourth Edition. One of the best utility guides available. Organized by station type. Chapters: Air Force, Navy, Coast Guard, Federal Government, Aircraft, Space, Maritime, Public Safety, Business, Broadcast Stations, FAX, RTTY, Longwave. ©1988 506 p.  
Order #2733 ..... \$17-95 \$15.88

## COMPLETE SWL'S HANDBOOK

By Bennett, Helms & Hardy  
Tab  
This newly released third edition of nearly 300 pages covers SWling from A to Z. Perhaps the best "background" book on the listening hobby. Chapters include receivers, terminology, antennas, QSLs, propagation, frequencies, FM and television DXing too. ©1986 294 p.  
Order #0872 ..... \$16-95 \$14.88

## EASY-UP ANTENNAS FOR RADIO LISTENERS AND HAMS

By Edward M. Noll  
Sams  
Learn how to construct low-cost, easy to erect antennas. This comprehensive handbook contains all the latest antenna design and construction tips, techniques and tools you need to build effective, inexpensive antennas that work and stay up. For LW, MW, SW, FM and scanner frequencies. ©1988 157 p.  
Order #0005 ..... \$16-95 \$14.88

## UNO, DOS, CUATRO A GUIDE TO THE NUMBER STATIONS

By Havana Moon  
Tiare Publications  
What are those mysterious numbers stations so often heard on shortwave? Where do they come from? Who are they transmitting to? Here is the first in-depth analysis of the mysterious "number stations". With frequencies. ©1987 72 p.  
Order #2131 ..... \$13-95 \$11.88

## SHORTWAVE CLANDESTINE CONFIDENTIAL

By Gerry Dexter  
Universal Electronics  
Here is the definitive guide to clandestine radio; past and present. Read about the well known clandestines of yesteryear like Radio Swan and Radio Buzkadi and about the clandestine broadcasters of today. Interesting and informative reading. ©1984 84 p.  
Order #0766 ..... \$5-95 \$3.88

## SECRETS OF SUCCESSFUL QSL'ing

By Gerry Dexter  
Tiare Publications  
Why do some people get QSLs from the "hard ones", and others do not? This book covers the techniques and secrets to improve your QSL return rate. A complete guide to reception reports and QSL collecting. Gain useful insights into the art of QSL'ing. ©1986 113 p.  
Order #0236 ..... \$9-95 \$8.88

## THE DXER'S DIRECTORY

By Fred Osterman  
Universal Radio Research  
The most complete list of radio listeners ever! A real *Who Is Who* for the listening community. Over 1,500 listeners are included. Find listeners in your area! The second part of the book features full information on over one hundred radio clubs worldwide. Current 1988 Edition. ©1987 92 p.  
Order #0519 ..... \$4-95 \$3.88

## WHITE'S RADIO LOG

By Don Gabree  
Worldwide Publications  
It's back! A compact and inexpensive directory of American and Canadian AM, FM and TV stations. Organized three ways: frequency, call letters and location. The frequency listing for AM stations also includes transmitting power. 136 p.  
Order #0595 ..... \$4-95 \$3.88

## LANGUAGE LAB

A complete guide to writing reception reports. All necessary words, formats and phrases are provided. Available in four separate editions.  
Language Lab - Spanish  
Order #1175 ..... \$12-95 \$10.88  
Language Lab - Portuguese  
Order #1176 ..... \$12-95 \$10.88  
Language Lab - French  
Order #1177 ..... \$12-95 \$10.88  
Language Lab - Indonesian  
Order #2198 ..... \$12-95 \$10.88

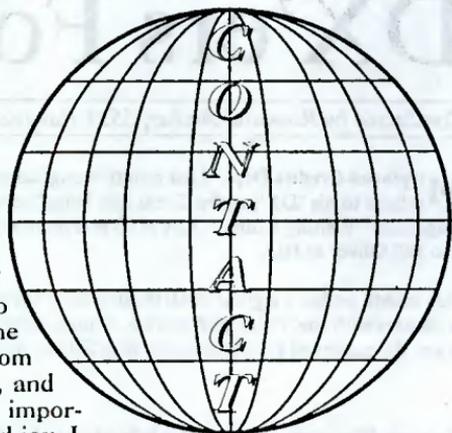
## THE SWL'S ANTENNA HANDBOOK

By Robert J. Traister  
Tab  
A complete guide to understanding and building shortwave antennas. Chapters cover towers, supports, indoor and limited space antennas, portable antennas, antenna tuners & couplers, directive antennas and interference. Also includes ten antenna construction projects. An understandable and interesting book. ©1982 191 p.  
Order #0925 ..... \$11-95 \$9.88

## U.S. MILITARY COMMUNICATIONS

By Michiel Schuay  
Universal Electronics  
An impressive study of U.S. military SW circuits. Also covers CAP, FAA, DOE, FEMA, FBI, etc. Available in three separate editions.  
U.S. Military Vol. 1 (By Location)  
Order #1296 ..... \$12-95 \$10.88  
U.S. Military Vol. 2 (15-9078 KHz)  
Order #1300 ..... \$12-95 \$10.88  
U.S. Military Vol. 3 (8993-27994 KHz)  
Order #2884 ..... \$12-95 \$10.88

DECEMBER  
1988



We have at last arrived at the final CONTACT of 1988. We have arrived also at that time of year—and all too brief a time it is, too—when the world seems to grow a little smaller and less fearful. The airwaves are filled with good tidings from our fellow human beings: politics, power, and territorial imperatives just don't seem so important now. It is a time of music, singing, and joy. I want to take this opportunity to wish you and all who are close to you, the very best and warmest regards of the season. May it be happy, joyous and, lest we forget, *safe*.

Stephen Moye, editor  
134 Mathewson Street  
Providence, Rhode Island 02903  
(401) 351-0599

Well, as I told you, I am moving. As I write this, I am overseeing the loading of boxes (of books, mostly) onto a U-Haul. My desk—an enormous peice of furniture—will be the next to go. You get the picture: I am about to go out of my mind. This month's column, therefore, will be a bit of a short one. I want to tie-up a few loose ends and to suggest a thing or two.

E-Mail: Pinelands  
CompuServe (76416,1542)  
GENie (S.Moye)

First off, I received the latest catalogue from *Universal Shortwave*. It is, if you can believe it, even bigger and better than it has been in the past. I warn you to hide your credit cards when you get your copy of this catalogue. It lists for sale virtually every SW radio currently made, antennas for every need, enough books to open a library, coax, headphones, FAX/RTTY/CW hardware/software, and just about anything else that you could think of. It costs \$1, which princely sum is refunded with your first purchase. Get your copy from: Universal Radio, 1280 Aida Drive, Reynoldsburg, Ohio 43068.

The make-do masthead indicates my new address and all of the other information necessary for you to contribute to CONTACT. Notice the E-Mail: this is your opportunity to have immediate access to this column. Give it a try. I usually check in fairly regularly. Up to now, I have been a little dissapointed with the response from this quarter. Maybe a lot of FRENDX readers will get computers for Christmas. A very nice gift is a CompuServe or GENie subscription packet.

Page layout this month was accomplished on FullWrite Professional (Ashton-Tate); typeface is Caslon 3 (Adobe). A funny thing happened to me on my way to this month's column—the graphic I chose for my masthead would not print with FullWrite. Needless to say, I was not excessively amused.

Once again, the best of holidays to you all. Look forward to a longer and meatier column in January.



# DX'ers Forum

Dedicated to Furthering  
the Art, Science and  
Enjoyment of DX'ing

Conducted by Rowland Archer, 5524 Hawthorne Park, Raleigh, NC 27613 December, 1988

**Misplaced Credits Dept:** Last month's original cover art was graciously contributed by John Bryant, an amateur radio operator, to his "DX'ing the Great Silk Road" series in DX'ers Forum. The Chinese characters under the dragon say "Visiting China." Any NASWA member is welcome to provide a FRENDEX cover, simply send it to Bill Oliver at HQ.

This month we have a great contribution from three NASWAs whose interest in shortwave radio led them to careers with the Voice of America. I am doubly thankful for this article. It's good reading, and it's great to see the names of Dan Robinson, Kim Elliott, and Bill Whitacre back in FRENDEX.

## From Shortwave Hobbyists to Broadcast Professionals:

An Interview with Kim Andrew Elliott, Dan Robinson, and Bill Whitacre

Arranged by Dan Robinson; conducted by Rowland Archer

**Forum:** Welcome to the DX'ers Forum gentlemen! It's an honor to have you share these pages with us. I'm sure most of our readers who've been with shortwave for any length of time know your names, but let's start with an introduction and description of what you do at the VOA today.

**Elliott:** I am the Audience Research Officer and really the only person at VOA involved full time in audience research. Organizationally, I'm part of the Planning and Research Unit of the Office of the Director of VOA. My main job is to maintain liaison with the U.S. Information Agency Office of Research, which conducts representative-sample audience surveys for VOA in many of our target countries. I let them know what our research needs are, and I help interpret results for VOA management and program planners. In addition, I conduct a number of other studies, including surveys using audience mail. Persons who write to VOA are not necessarily representative of all those who listen, but results of audience mail surveys can still be useful if interpreted cautiously.

**Robinson:** It's a pleasure to appear again in the pages of FRENDEX. Since early 1987 I've been coordinator and host of VOA's Nightline Africa program, a one-hour news-magazine to Africa at 1600 and 2000 GMT. If measured by the number of listeners, Nightline and the other programs of VOA's English to Africa service are among the most popular in VOA, with thousands of listeners in Africa and elsewhere around the world.

**Whitacre:** I am the Chief of the Monitoring & Spectrum Analysis Branch within the VOA's Frequency Management & Monitoring Division -

what those in the hobby have come to know and refer to as the "Frequency Division." My staff and I take care of VOA's six full-time Technician Monitoring Offices (TMOs) in Helsinki, Vienna, Belgrade, Islamabad, Nairobi and Hong Kong as well as over 60 contract, volunteer and Embassy employee monitors.

**Forum:** Let's take a quick look at your early days in the hobby, pre-VOA. How did you get started? What were some of your special interests, personal achievements, hobby high points? NASWA or other club involvement?

**Elliott:** My interest in the hobby began by listening to distant stations on my AM radio, and by looking at the advertisements for Hallicrafters shortwave radios in *Boy's Life* magazine. (I never did get that Hallicrafters, as it was exorbitant priced at \$70!) I have always been a DX'er as well as a program listener, but I've never been an accomplished DX'er. If I had any accomplishment it was hearing and verifying some fairly exotic stations on my Knight-Kit Star Roamer. I joined NASWA in 1967. In 1977, for my master's thesis I conducted a survey of all of its then-1,000 members.

**Robinson:** I was always interested in the world...international affairs...especially Africa. Like many of us, I got my start when my late father dragged a 1930's Pilot Radio (with the big "eyeball" tube at the top) from my grandmother's basement in New York. He helped me set up a longwire in the attic in Levittown, and I was off! Never technically inclined, I listened by sticking my ear up to the

speaker and recording with an old Wollensak mike (no patch cord!). Went from the Pilot to an Allied portable...but then (I remember the day well!) I discovered the HQ-180. An old HAM operator down the street had it and one day he let me tune it. I thought---this must be heaven! I think I tuned in a UTE from Monrovia, and I was hooked. To this day, I'm devoted to 180's and still own a 180AX.

NASWA has been a longtime love for me. I started in the old NNRC, and got to know Bill Oliver as a friend (almost like a father) in the mid-70's. In 1974, I was an AFS exchange student in Swaziland and went to the Soviet Union (see the articles in old FRENEX issues). From 1975 to 1979 I attended American University in Washington, DC majoring in international affairs, doubling in broadcast journalism. I met interesting people in those years...Many work at VOA today, others are diplomats and foreign leaders. I also edited FRENEX LR-A...I think it was six years or so...what a job that was! And of course, I was North American reporter for Radio Netherlands/Media Network from about 1980 or so to 1983.

Whitacre: My involvement with radio came as a result of my father being Chief Engineer of radio station WILS in Lansing, Michigan for more than 20 years. Very early on I was imbued with a deep respect and awe at the concept of "broadcasting" and communicating with distant peoples. In 1968, during the Prague Spring, when I was 13 years old, my father brought home a National NC-66 receiver from work so that I could keep in touch with "world events" and keep off the streets. By 1969 I was writing for QSL cards and in 1971 I joined NASWA. During the ensuing decade I managed to hear and verify over 200 NASWA countries, heard and verified -- on mediumwave -- all United States and Canadian Provinces except Alaska, Yukon and N.W.T., owned -- at one time or another -- nearly every model of shortwave receiver known to man as I worked my way through college by buying and reselling radios that sometimes did not fully function, and even ran a small publication called the Great Lakes DX Association (GLDXA) from 1974-6.

---

**Forum:** *Many of us only dream about having careers related to our hobbies, but you have fulfilled that dream. Congratulations! At what point did you decide to "go pro"? How did it all come about?*

Elliott: Soon after I began listening to shortwave broadcasts, around 1965, I made it a career goal. I was fascinated by the medium, especially by its implausibility. I couldn't imagine how most stations could attract enough listeners to have a noticeable impact, given their poor signals and equally poor programming. (I still feel this way about most shortwave stations.) I kept thinking about ways to make shortwave broadcasting work, and I wanted to apply this to the real world of international radio. As an undergraduate at the George Washington University, I studied international affairs. That was followed by an M.A. and Ph.D. in communication from the University of Minnesota. Most of my fellow graduate students were seeking careers in academe, but I wanted to work for VOA or USIA. When I finished graduate school, VOA and USIA were not hiring anyone with my qualifications, so I served five purgatorial years teaching mass communication at the University of Minnesota and at the University of Wisconsin-Stevens Point. Between teaching assignments, in 1984, I did a brief stint in Indianapolis, creating, writing, and co-presenting "Shortwave Pandemonium" on Radio Earth. In 1985, about the time I gave up hope of ever working for VOA, a research job opened up, and they hired me.

Robinson: I made the "connection" early on that the hobby could become something more...I think my experiences overseas helped, and by the time I came to Washington I was pretty much determined to give VOA a try.

Whitacre: After graduating from college in 1980, I went to work for Texas Instruments in Dallas, TX. As an only child, my parents weren't too thrilled to have me working so far from home -- and I don't think I was too happy about it at the time either. They kept their eyes out for other opportunities

## How VOA's "Communications World" Got Started

by Dan Robinson

Perhaps FRENEX readers would be interested in this...back in 1975, the late Perry Ferrell wrote to encourage me in my efforts to rekindle a DX program on VOA...the old one, called Radio Amateur Notebook, was taken off the air in the 1960's. In 1982, I submitted a proposal to then VOA Director Ken Tomlinson on a new "Communications Magazine," to deal not only with shortwave but with all aspects of communications. My Nairobi assignment took me out of Washington, but that proposal became the show you now know as "Communications World" hosted by Gene Reich. While its SWL/DX content is, unfortunately, very low the program has at least forced VOA to take note of the need for a communications - oriented regular feature.

closer to home. One day my father sent me an ad from Broadcasting magazine for a NTIA internship program offered in Washington, D.C. The program was said to lead to a job in telecommunications in any of several government agencies — including VOA. I made application. After some discussion back and forth, I was contacted by Ann Case, former Chief of the Frequency Division. An interview was arranged for a job with VOA as a Technical Monitor and in March of 1982 I left Texas and came to Washington!

---

*Forum: Did your involvement with DX'ing/SWL'ing help you get your job at VOA? Did it help you in your job?*

**Elliott:** I am sure that DXing/SWLing experience helped, although most people land jobs in international broadcasting without such experience. Some professionals in international broadcasting are actually a bit skeptical about DXers, perhaps because some DXers may be more interested in the medium than in the message.

**Robinson:** To say that DX/SWL helped me get the job with VOA is an understatement. I probably wouldn't be here today without the knowledge (of geography, politics, broadcasting) that I gained from listening to shortwave. Funny though...I realized almost from my formal arrival at VOA in 1979 that Voice employees (aside from engineers who were HAMS, and a few others) really knew very little about international broadcasting in a broader sense, or shortwave radios. Many (and this may still be true today) just kind of worked the 8 hours and then went home.

I owe my presence at VOA to one person more than anyone else...Bernard Kamenske, the former chief of VOA news, was an avid shortwave listener. He kept track of what the BBC and other broadcasters were saying, how they were saying it, how they were pinpointing the big stories or missing them. I met him at a local RTNDA meeting and we got talking about, of all things, Collins receivers (he had a 51J4). Bernie gave me my first break.

**Whitacre:** In short, yes. People are still impressed when Dan Ferguson (who also works in the Frequency Division) or I pick up a WRTH and flip to just the right section to recover some obscure piece of information about a small mediumwave station in the Caribbean. Not a major feat, but people who know little about other countries' radio stations and even less about the WRTH are always amazed. There is no college program one can take to be a monitor or frequency scheduler for international broadcasters. It is truly an esoteric field of employment. Other than having done it for someone else, the best way to gain the required knowledge and experience is through the hobby of shortwave listening and participating as a volunteer monitor for other international broadcasters. The knowledge of propagation and geography I gained from DXing

has been invaluable as a basis to build upon while at the Voice.

---

*Forum: What advice would you give to anyone seeking a job in international radio?*

**Elliott:** Realize that international radio may not be a growth industry. Other media and technologies are vying for audiences worldwide. Government budgets will also probably remain tight, so VOA, RFE/RL, etc. may not be hiring large numbers of people in the near future, except those who speak certain languages. It's good to have a skill that is in demand by international broadcasters, such as engineering or statistics, or even accounting and personnel management. A good liberal arts education at the undergraduate level is probably the best preparation. Stations overseas occasionally hire Americans with journalistic or radio production experience, for their English services. Keep in touch with the personnel offices of VOA, RFE/RL, Worldnet, etc. If a future administration or congress get enthusiastic about international broadcasting, like President Reagan did early in his tenure, there could be a hiring phase. A number of VOA managers are in the Foreign Service, so that would be one way to get in.

**Robinson:** Any advice would have to be accompanied by a warning too...you have to make compromises, not only in your personal life but sometimes in your personal philosophies as well. International broadcasting can be a very exciting field, but it can also bring you face to face with realities...of bureaucracy, of the news business, and of hypocrisy and narrow-mindedness that are too often the bedfellows of the newsgathering process. There also aren't very many jobs in international radio...for an American, the BBC is pretty much out because of the accent issue, although ironically VOA these days has changed and now allows British and other accents on the air. Other possibilities, I suppose would be Radio Netherlands, Sweden, SRI...maybe some of the commercial SW stations (if they last).

**Whitacre:** Be a dentist, doctor or even a lawyer first. Washington is EXPENSIVE, traffic is hell, people are rude, and if you ever live overseas for awhile you'll never want to come home!

---

*Forum: Did you lose any of your enthusiasm for DX'ing or SWL'ing any after you became professionally involved with radio? (At the end of a long day at the VOA, is a radio the last thing you want to see?!) What's your level of involvement with the hobby today?*

**Elliott:** I am not quite as preoccupied by DXing as I was during adolescence. For one thing, I don't send reception reports any more. But I think this is due to age and diversified interests, and not be-

## A Note from Bob Horvitz, Executive Secretary of ANARC:

...One of the more active sections of the ANARC BBS (1-309-688-0604) is "JOBS IN RADIO." In fact we're the only public BBS with announcements of job openings in international broadcasting. We also get postings every week for domestic public radio, radio trade magazines and organizations. There are about 70 jobs currently listed on the BBS.... Note particularly that the Christian Science Monitor and VOA use the ANARC BBS regularly for recruiting...."

*Bob sent along four pages of current job postings which I don't have room to print -- but it's definitely worth taking your time to check out. Thanks for the contribution, Bob.*

cause of my work at VOA. If anything, my work at VOA has increased my interest in listening -- to see what the other stations are up to. I also have certain unofficial responsibilities as one of VOA's shortwave aficionados, i.e. recording foreign broadcasts that are of interest to VOA or USIA. Some evenings when I get home, I don't even want to look at a shortwave radio. Other nights, and weekends, I'll listen and DX for hours. I'm also a radio amateur, KD9XB, but rarely active these days.

**Robinson:** You know, I've never really lost my love for shortwave...I am married but don't have kids yet and maybe that's the real breaking point for some people. No, I don't have the energy much anymore for all-nighters and hours of DXing...but I don't feel comfortable without my receivers. Unfortunately, my "level of involvement" isn't what I would want. I still get FRENDX and usually buy the WRTH and Passport. I use an NRD-525 along with the 180AX, SPR-4, 2010 and a 2002 for travel. That may sound like I'm still DXing the heck out of the bands, but I'm not really. I'd like to take some time and get my QSL counts up...I kind of stopped at 217/197 a few years back.

**Whitacre:** My involvement with the hobby today consists entirely of reading FRENDX and Fine Tuning. I do no listening other than what I must do to keep up with VOA's competition. In taking a job with VOA I lost one of the most enjoyable hobbies I ever had. Of course there are other factors -- family, a house, etc. -- but I know of very few people doing what I do who are avid listeners. It is no longer recreation, it is work.

---

*Forum: You each could probably fill several issues of FRENDX with fascinating "war stories" from your careers at the VOA. How about sharing some of your favorite(s) with us?*

**Elliott:** Actually, audience research is a pretty mundane business. It's just crunching numbers and writing reports, and very little of the work is deserving of a war story. My work is fascinating without really being exciting.

**Robinson:** War stories? There are too many, but I had a number of experiences in Africa as VOA's Bureau Chief in Nairobi, some literally "war" stories. When Milton Obote was overthrown in Uganda in 1985, I was probably the first reporter to actually hear the coup announcement on Radio Uganda...I relayed it immediately to VOA Washington...later, I remember being in Kampala's central square, standing among thousands of Ugandans in a suffocating crush to hear the new military leader (who was himself overthrown)...at night we went to sleep with the sound of gunfire echoing in Kampala's suburbs...I was also among the few reporters present in Khartoum when the Sudanese military staged its coup against Nimeiri...it was like the movie "Reds," with thousands of people marching in the sandy streets, and it was dangerous (we were teargassed, and had to avoid the gunfire of Sudanese security). I was back in Khartoum in 1986 when the U.S. raided Tripoli, Libya and you could cut the Anti-American feeling with a knife. A year later, the terrorists attacked the Khartoum hotel where I stayed with machine guns and grenades, killing and wounding many people...In Ethiopia, I was always when doormen at the hotels and government officials would mention that they had heard my reports on the air...

On a lighter note, I remember the thrill of visiting RT Zanzibar, touring their studios (one had a hole in the wall!), but alas...still not emerging with a QSL despite a tape recording I had brought with me!! And I recall driving by the entrance to Radio Hargeisa, Somalia but not being able to stop because of security problems in that Northern town (which was recently under rebel attack)...I also visited Radio Rwanda, LV Revolution Burundi, Radio Djibouti and others during my African tour...

**Whitacre:** Wait for the book and movie, hill

---

*Forum: Did your approach to DX'ing or SWL'ing change based on things you learned at VOA? Did you find out anything especially useful, things you wished you'd realized long before you joined VOA?*

**Elliott:** My approach to SWL'ing has evolved, but not because of my association to VOA. Changing

receivers (today, I use the Sony ICF-2010 for the most part) probably has been the greatest influence.

**Robinson:** A difficult question to answer...I've become more realistic about the hobby since joining VOA (i.e. very few people get excited about listening to foreign broadcasts). Also, and I think this is something Bill, Dan Ferguson, and Kim share to varying degrees, I'm less intense than in my formative years...this isn't "burnout" exactly, but more of a placing DXing or SWL in perspective...Take QSLing for example...I've noticed an apparent decline in the willingness of stations to QSL and a realization by DXers that the Radio Hargeisa's or Zanzibar's of the world don't really have or want to give a damn about DXers....this really hit home with me as I travelled to these places with VOA...

**Whitacre:** My approach has changed - I don't do it anymore. I don't QSL anymore since I've learned what a whimsical process it is.

---

**Forum:** *Most NASWA members are "amateur monitors." How about some giving us a better idea of what a "professional monitor" does? How are they chosen? Any hints for DX'ers based on comparing the reports you get from "amateurs" vs. "professionals?"*

**Whitacre:** VOA has six Technical Monitoring Offices (TMOs), three are manned by American foreign service officers (FSOs) and three are manned by foreign service nationals (FSNs). All but two have an assistant TMO as well. Monitoring is done twice a day for four days per week. The fifth day is spent preparing a summary report of the week's monitoring and if it's the end of a month, a monthly summary report is prepared. Depending on the location, monitoring begins at or just before local sunrise and continues for about 4 to 5 hours, evening monitoring begins around 5 or 6 pm local time and continues until as late as midnight. The TMO and his assistant switch shifts between morning and evening to double-check each others readings.

We use the SDO code to rate reception: Signal strength, Degradation, and Overall merit. It's a 1 to 5 scale with 555 being the best and 111 being the worst. We have found, over many years, that this scale combined with notes on the cause(s) of degradation provide an effective way of gauging reception quality over a period of time and allows us to use the same scale for our contract monitors, who are often not trained monitors. We depend on all our monitors, but particularly the TMOs, for information on propagation and interference problems along with potential solutions - such as clear frequencies. For this reason, TMOs and some other monitors perform periodic band-scans for us which indicate spectrum occupancy during

given times of the day. This information is very useful in the process of selecting new frequencies for solutions to interference problems or for special, short-term broadcasts. It also keeps the TMO up-to-speed on who's where on the bands.

Another very important aspect of the TMOs' job is the reception survey. These trips are conducted for many reasons, not the least of which are a need to get first-hand information on reception conditions in-country and to provide training to contract monitors in cities visited. Since the TMOs are responsible for management of the contract monitors in their region, these surveys provide a unique opportunity to talk, face-to-face with these dedicated hobbyists, Embassy personnel and volunteers who make up the backbone of VOA's monitoring effort.

We have an opening for a TMO at VOA at the present time. If this kind of career sounds interesting to you, give me a call at (202) 485-1762 or write me at Voice of America, VOA/EOFM, Room 4617 HHS-N, 330 Independence Ave. SW, Washington, DC 20547.

---

**Forum:** *Are there any thoughts you'd like to share on the state of shortwave and shortwave hobbyists today? Differences from 20 years ago? Where do you think things are headed?*

**Elliott:** This is a big question, and I probably cannot do it justice here. It is interesting to note that most shortwave broadcast stations have audience sizes that range from virtually non-existent to truly non-existent. Such stations may exist more as obligations to national sovereignty, or as self-perpetuating bureaucracies, than as genuine attempts to attract and retain listeners. As far as audience size is concerned, there are only two "world powers," the BBC (number one) and VOA. There are also "regional powers": RFE/RL, Radio France International in Francophone Africa, Radio Australia in the Pacific and Indonesia, and commercial stations like Africa Number One, Radio Monte Carlo/Cyprus, Radio Sri Lanka, Radio Antilles.

As for the future, shortwave broadcasting was never really big relative to the total populations of most countries, and it is likely to get smaller as other media and technologies compete for leisure time. With the new generation of digital portable radios, there is a possible future for a shortwave audience, small in relative numbers, big enough in absolute numbers, and very important in status and influence. But developing this audience requires hard work in publicity, frequency management programming, and scheduling. This is probably best accomplished as a cooperative effort of international broadcasters, shortwave manufacturers and other concerned professionals. Such an effort will have to begin soon, or shortwave broadcasting may be on its way to oblivion.

**Robinson:** Aside from the obvious leaps in receiving technology and sophistication of reporting techniques, obviously there has been a dropoff in interest in SWL...when I began in 1969/1970 VCR's weren't big and computers were pretty much non-existent...I spent hours immersing myself in shortwave...it was nice, and the skills and knowledge I picked up helped me in later years at VOA. I think hobbyists today and in future will have to be even more aware of world affairs...Despite the progress of the past 20 years, there is still much underdevelopment, hunger, political instability in the "Third World"...Like it or not, that world is coming to us. Just look at the immigration figures...ride a bus or take a taxi in many American cities and you realize that America is changing, fast...shortwave listening may not be as much of a "cultural key" to the rest of the world anymore, but it can still help educate us. That's important.

---

**Forum:** *What should NASWA do to be a vital organization in the 1990's? How might we improve FRENDX?*

**Elliott:** NASWA could become involved as the prime mover of the North American effort to publicize and generate new interest in shortwave broadcast listening. This might require that FRENDX evolve into a more commercial or commercial-type publication. On the other hand, if NASWA wishes to remain devoted mainly to the hobby of shortwave broadcast DXing, there is nothing wrong with that. Membership will probably remain small, perhaps get a bit smaller due to age demographics, but there is nothing wrong with that, either, as long as the members are satisfied. NASWA might conduct occasional surveys of its members and of non-renewing members to keep in touch with the wants and needs of hobbyists.

**Robinson:** I hoped you would ask that question...Participation has always been the key to success of groups such as NASWA...FRENDX had a dropping off in membership some years back. I don't know current figures...but I hope that FRENDX and the other organizations can improve the physical appearance of their publications and their involvement in the issues of the day. I wish the various organizations would pool their resources and come out with one slick, professionally edited magazine. There have been attempts over the years (the ill-fated Voices, and with broader interest, Monitoring Times and Popular Communication)...but one problem always emerges, and it's the attitude that says "Hey, this is only a hobby...why should it have to be any more serious than it is?"

Well, that may be true. NASWA and other organizations may be better off this way...but they certainly could have greater impact on international broadcasting and communication trends. A

good example is the recent activism by Bob Horvitz of ANARC on the Privacy Act. Also, it amazes me that receiver manufacturers, and in some cases the publishers of "hobby press" books aren't held to even higher standards of quality by way of open and honest criticism in publications such as FRENDX. There is really a need for a consumer columnist, in addition to someone like Larry Magne, to help people avoid wasting their money on old information or inferior equipment.

**Whitacre:** As a broadcaster, I would certainly like to be able to call on shortwave listeners to provide me with information on reception problems and potential solutions. While NASWA is primarily a domestic organization, I think I can speak for my European counterparts who would dearly love to hear from an official representative of a NASWA of ANARC committee devoted to advising broadcasters of reception difficulties and suggesting possible solutions. This would include interference as well as propagation problems.

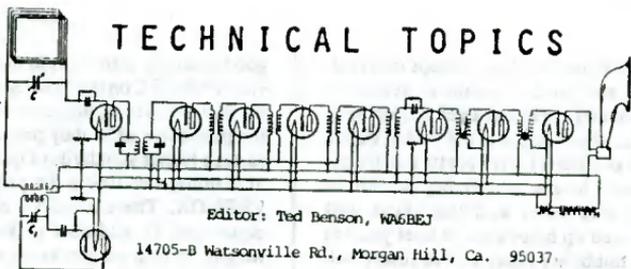
Frankly, most international broadcasters have not got the time or staff to read through listeners' mail trying to sift out information useful to their mission of getting the signal through. Certainly, in this age of computers and telecommunications, any such official committee would have to rely on this method of information exchange. It not only gets the information to the party that needs it in a hurry, but lends some credence to the information being exchanged by demonstrating the committee's commitment and serious intent in taking the time and expense to pass the information in such a manner. We have a bulletin board system (BBS) set up here in Washington for our internal use. It is, for the most part, a closed system, but much of the information there is open to the public and includes VOA's latest broadcast schedule, special broadcasts planned, and other files of interest to our monitors as well as the public. I can guarantee that any information passed to me via this BBS by a bonafide NASWA or ANARC-sponsored group will not only be taken seriously, but passed on to those broadcasters with whom we have direct, sometimes daily contact. Our BBS phone number is (202) 485-1585. The BBS is running on a Macintosh Plus computer at 9600 baud, with 8-N-1 protocol and is open to the public once you've signed on and been verified as a legitimate user of the system - usually within one day.

**Forum:** *On behalf of the NASWA membership let me say thanks for sharing this fascinating glimpse into your lives. Who knows, maybe someone who reads this will be inspired to pursue a career as an international shortwave broadcast professional!*

**Kim Elliott adds this caveat:** Views expressed are not necessarily those of the Voice of America or USIA.

\* \* \*

# TECHNICAL TOPICS



## ACTIVE ANTENNAS - CURE OR CURSE?

Active antennas have been with us for a while. The military had them as far back as World War II, though admittedly they bore little resemblance to the units of today. It wasn't until well after the invention of the transistor, and really until after the JFET came along, that the truly efficient active antenna was a reality.

### LAST RESORT?

Unfortunately, too many people view the active antenna as a "last resort," to be considered only when an outside antenna cannot be put up. After all, nothing can equal a full length wire antenna high in the air - or can it?

### THE BARE BONES ACTIVE ANTENNA

The basic active antenna consists of a short whip section, followed by a high impedance, high gain amplifier, and a power supply. The whip section is not a mere accessory, as many people think, but rather it is the antenna. In most installations, the whip is mounted vertically, thus it is a vertical antenna. But where does it go when it disappears into the enclosure it is attached to? A few hardy souls are brave enough to risk voiding their warranty by opening the enclosure to find out. Others merely wonder. I can tell you. Inside the "little black box" is an R.F. amplifier circuit - the "active" part of the active antenna. It's not just any amplifier, though.

### IMPEDANCE REVISITED

To understand the active antenna you need a basic knowledge of impedance, and how it relates to this antenna. Every antenna has a certain impedance at its feed point. For a given antenna, the impedance will be different for different frequencies. At the resonant frequency of the antenna, the impedance will be a pure resistance. At other frequencies the impedance will be a combination of both resistive and reactive impedance. At frequencies above the antenna's resonant point the reactive impedance will be inductive, and below resonance it will be capacitive. We are used to typical wire antenna impedances of 50 and 75 ohms. With all antennas used in multiband operation the impedances will dance all around the ideal 50 or 75 ohm point, but for the most part we don't notice. The short stub of the active antenna, though, ranges from very high to extremely high impedance at the shortwave frequencies it receives. Connecting the stub to any amplifier other than one of very high input impedance would, in effect, place a short circuit across the stub. Our amplifier, then, must have a very high input impedance in addition to having tremendous gain. Its output, on the other hand, must have a low impedance - on the order of 50 ohms or so.

### IT'S THAT SIMPLE - OR IS IT?

At first glance, it would appear that all we really need for an ideal active antenna is a super high-gain amplifier. It isn't that simple. Our amplifier must be designed to amplify a very wide range of frequencies - it is a "wideband" amplifier. A significant problem with high gain wideband amplifiers is that they tend to be non-linear, that is, they don't amplify all frequencies equally. This can lead to a problem known as intermodulation - "intermod" for short. Intermod appears as "phantom" signals popping-up randomly throughout the shortwave spectrum. These phantoms can be strong enough to obliterate stations unfortunate enough to be underneath them. They are the

result of two (or more) unequal strength signals of different frequencies mixing in the amplifier - similar to the way a carrier is modulated in an AM transmitter. Only very careful amplifier design can avoid intermod.

#### PROS

As I mentioned earlier, active antennas are usually thought of when a regular outside antenna can't be erected. There are several reasons why an active antenna can be preferable to a regular antenna.

Active antennas can often be mounted horizontally - the same polarization as most shortwave signals. Furthermore, because they are usually very small, active antennas can be easily rotated for best pickup of a particular signal. Try doing that with a 41 meter dipole!

Because of their size, active antennas are ideal for travelers. They can be packed and unpacked easily, and can usually be used indoors (windows in most hotels are sealed shut).

With a regular antenna, gain is only possible when the antenna is directional - a dipole, for example. But what if the signal you happen to be interested in is not oriented correctly with respect to your antenna? With an active antenna, omni-directional gain is possible.

It is difficult, at best, to design a receiving antenna to operate efficiently over the entire shortwave spectrum. A properly designed active antenna can do this.

#### CONS

Intermod was discussed earlier. Provided your active antenna is well designed, and you are not located under a Voice of America transmitter, intermod should not be much of a problem. For situations where it is, a preselector can be used in conjunction with the antenna (some active antennas feature an integrated preselector). The preselector is a tuneable filter, allowing a desired frequency to pass, while attenuating nearby frequencies. With fewer extraneous frequencies coming into the receiver, the chances of intermod occurring there are smaller.

Receiver overload can be a problem with even the best active antenna. Many receivers, particularly portables, lack dynamic range - they are unable to handle both very weak and very strong signals. When the high-level output of an active antenna is fed into one of these receivers, they can overload so badly that they become silent - you might think that there was no antenna connected at all! To overcome this, many active antennas have adjustable gain. Never the less, some receivers just cannot be used with an active antenna. But then these receivers won't work well with a regular outside antenna either.

#### SUMMARY

There you have it, the pros and cons of active antennas. You may want to give them another look. Ranging in price from thirty to hundreds of dollars, they can be a very worthwhile investment, even for landed "antenna farmers."

I'll next time

Oh, for those who might be interested, Kap's kat was knocked down from the ceiling none for the worse for wear. We were kind and did not beat him to within an inch of his life as he possibly deserved.

While we are in a ham radio mode right now, we have not and will not forget "What's an SML?". Sounds like our end of the radio hobby isn't doing too much in the line of publicity, doesn't it?

Old friend Bill Plum sent along his latest printed materials and mint stamps list. As we've mentioned before, mint stamps will often elicit a reply from a station where IRC won't. Bill's prices are quite reasonable and his quality and service superior. A #10 SASE (IRC) will get you a copy of his lists. Address is 12 Glenn Road, Flemington, NJ 08822. Tell Bill that Kap sent you.

At long last our Novice Ham ticket arrived. So, if you hear KAISFO on the 10 meter band and would like a QSL, send along a report. We'll be pleased to comply. We've only been on the air a week or so, but have managed to work quite a few states and Czechoslovakia and the Cayman Islands. Not shabby, considering 25 watts and a home brew dipole.

Some folks have asked if duplicate Award Certificates are available. The answer is YES. Send the Serial # and issue date, if known. I can research these items but it takes time. Regular fees apply.

We are pleased to announce that, effective immediately, a 125 country endorsement sticker is available for the DX Centurian Award. Kindly send a SASE or IRC along with your list, along with the Serial # and issue date of your DX Centurian Award.

\*\*\*\* Kap's comments\*\*\*\*

Joe ZOBRO, Hancock, MI: World Wide DXer, Ecclesiastic DXer, Senior European DXer

Kent WILLIS, Louisville, KY: Arab World DXer

John WILKINS, Wheat Ridge, CO: Master British Commonwealth DXer, 60 country endorsement; Soviet Sphere DXer

Linda SHERWOOD, Oxford, MA: Antarctic DXer

Thomas V. BOSS, Lyons, IL: Soviet Sphere DXer

C. Vernon HYSON, Charlotte, NC: Senior DX Centurian, 190 country endorsement; Topical Band DXer; Antarctic DXer

Rev. John C. ECKERI, Collegeville, PA: Antarctic DXer

Paul BUEB, Miami, FL: Senior Time Station DXer

Greetings and welcome to the November 1988 NASWA Awards Page. The following folks recently earned NASWA Awards:

# NASWA Awards Program.

Awards Chairman: John M. Kapinos, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545

=====

---DR. DX TAKES A SHOT AT SERIOUS WRITING---

A SIDE-BY-SIDE RECEIVER COMPARISON: THE JAPAN RADIO NRD-525  
vs THE KNIGHT KIT OCEAN HOPPER

=====

Recently at one of the infamous Old Dominion DX Association "all-nighters," I had the opportunity to perform a side-by-side comparison test of a new Japan Radio NRD-525 and an Allied Radio Knight Kit Ocean Hopper 740. It was not quite a fair comparison, I suppose, since the NRD-525 was the standard off-the-shelf model, while my Ocean Hopper was the deluxe model with the optional cloth-covered wooden case with "a hinged door in the top for easy plug-in coil replacement". Nonetheless, it seemed like a good time for a comparison test, so one was conducted. The first thing that struck me was the large size and weight of the 525--the Ocean Hopper was definitely more compact. The 525 had a plastic handle for carrying, whereas the vent hole in the back of the optional wooden case provided an easy grip on the Ocean Hopper. I switched on the 525 and started to leave to make a cup of coffee; but suddenly there was music coming from a speaker *inside* the case somewhere, and I had not even reached the stove yet! On the other hand, there is always plenty of time to get a cup of coffee before the Ocean Hopper warms up and is ready to start DXing; and as an added benefit, there is no speaker to annoy others while you sip your coffee and go about the business of DXing. It is obvious that the manufacturer of the 525 desires to get you DXing quickly, and allows you to do so from across the room, somewhere if you want. The Knight folks, I guess, better understand the nature of the hobby and elected not to rush you into it but allow you time to get ready. A quick look at the fronts of the radios tells quite a story. The 525 people get you started quickly, then make you fiddle with a lot of knobs and junk. There are enough pushbuttons, knobs, and dials to make a bushel of Ocean Hoppers with enough left over for two Space Spanners and a Star Roamer. Only four simple knobs greet the Ocean Hopper owner, and a quick turn of each instantly tells you its function--no complicated instruction manual needed here (I never did figure out what about half the doodads were on the 525. One even dimmed the dial light--yes, a *dial light!*). Inside, the story was just as telling. The 525 was a mass of parts (probably most dealing with dial light dimming) while the Ocean Hopper had only a handful of easily reached and replaceable parts--and rugged parts at that, what with 600 volt capacitors vs 20 volt caps in the 525. And worst of all, there was no warm glow inside the cabinet of the 525. The Ocean Hopper not only glowed but radiated a gentle heat, telling you that it was hard at work for you, making your hobby relaxing and enjoyable. I could go on, but I guess I said it earlier: it is not a fair comparison. Guess which one I used for DXing that night.



# Listeners Notebook

GLENN HAUSER, Box 1684, Enid, OK 73702

PROPER CREDIT Other publications and broadcasters may use material from LN, provided due credit be rendered to the original reporter and the NASWA Listeners Notebook. This courtesy does not extend to closed organizations which do not allow reciprocal access to their publication. BBC Monitoring [no longer a Service] items (designated WBI for World Broadcasting Information) are copyright and may not be reproduced without BBCM permission. The most important items have been broadcast immediately on SWL DIGEST or WORLD OF RADIO, not otherwise mentioned herein. All contributions to LN are gratefully received, but your editor cannot promise a personal reply because of severe time constraints. Material for LN should be marked as such each time, not just on the envelope, as input for other outlets also comes to Box 1684. Reports to gh should not be cut into little strips. It also helps if you use one side of paper only and do not mix LN items with other correspondence. All times, dates and days are day/month GMT = UTC, u.o.s. Please do not ask gh for advice on receivers or other equipment. Thanks.

AFGHANISTAN 5294.9, RA feeder, LSB, loud w/many IDs, 0230 t/in, Farsi-ish lang. Seemed //9740 but later too P to be sure. I assume this isn't USSR, unless we embrace the sinister theory that RA pgms are actually produced in the USSR, not just xmt'd from there! Quite loud, tho, esp'y since 3965 //4740 were nearly as loud as they can sometimes be around here, 27/10 (Richard Stoller, Bogotá, Colombia)

ALBANIA Gjirkaster on new 5050 21/8 1935; since then back on 5057.5, 55555 (Bjorn Fransson, Sweden and Finn Krone, Denmark, Oct DSWCI SW News) Such variations will be multiplied fivefold on the fifth harmonix (gh)

AUSTRALIA RA reported 31/10: Au's minister for Comms, Mr Ralph Willis, has strongly backed the right of RA to bc its perception of nx & current affairs into Asia free of censorship. Says fedgovt has to keep emphasising to Asians that Au people do not want any political censorship of Au media. Min said he was hopeful Indo criticism of RA bcs in Indo'd also decrease w/apparent thaw in rels betw 2 countries. This followed visit last week to Indo by Au Forn Min Senator Evans, and recent agmt betw 2 countries on joint oil exploration in Timor Sea. Willis said as long as Indo respected Au right to approach its media in the way it regarded as most appropriate, then the 2 countries could get along fine (WBI 4/11)

AUSTRIA Austrian Army Training Xmtr, 1625-1630 11/10 on 5035 //3378, but every Tuesday a longr test pgm listd to 1830. Othrwise Mon-Fri 0930-1430. After 15 days I rcvd fine QSL card (Roland Schulze, Stuttgart, W Germany, 27/10) That should make it much more DXable outside Eu, still iffy in Northeast America(gh)

RAI in EG, complete: 0030-0055 Am 9875. 01-02 Sun Am 9875. 04-0430 Sun/Mon Eu/ME/Am 21490 15410 15410 6155 6015. 0430-05 daily same. 08-0830 Sun Eu/ME/Au 15450 15410 13730 6155. 0830-09 daily same. 11-1130 Sun As/Am 15450 13730. 12-13 [sic; means 1230-13] Eu/As/Am 15450 13730 6155. 13-1330 Sun Eu/As 21490 13730 11780 6155. 1405-1430 As 11780. 1430-15 Sat As 11780. 1730-18 Eu/ME/AF 13730 12010 6155 5945. 1830-19 same. 22-2230 Sun Eu/AF/Am 11780 9870 6155 5945 2230-23 daily same.

Esperanto: Sun 0930-10 Eu/ME 15410 13730 6155; Sun 2030-21 Eu/AF 13730 9870 6155 5945. Total output per week 209.25 hours; by lang: EG 31.55, Esperanto 1, FR 22.40, GM 127.20, SP 26.30 (WBI 4/11) Catch RCI SWL Digest at one of the 6 times other than UTC Sun 0100 since that's when Austrian SW Panorama is on 9875. Or maybe you can get it Sun 1235 on 15450, UTC Mon 0415 on 6015 (gh)

BELGIUM BRT in EG: 0030-0055 Am 9925 [what about the //9675??]. 08-0825 M-F As/Au 21815 11695. 10-1025 M-F Af 21810 17595. 1330-1355 M-Sa As/Au 21815 17555. 1630-1655 M-Sa Af 21810 17595. 1830-1855 Eu 11695 5915 1512. 22-2225 Eu/Am 9925 5915 1512. Total output: 116.50 hpw, of which 75.35 is DT, 17.55 EG 14.55 FR, 4.35 GM, 5.50 SP (WBI 21/10)

CANADA [Cf Nov LN-16] Add a seventh weekly bc of RCI SWL Digest--Tue 1907 on 15260 17820 for Af. Unlike a previous repeat on this svc, this time DX rx by gh is included, but only the short version, apx 5 mins at the end like on all the other bcs including the retimed LAM svc UTC Sun at 0136 on 9535 11845 11940 --except the Eu svc Sat at 2207 which is the only airing to include 6 mins of DX news by gh. The reason the longer version is not carried any more on the USA svc, UTC Sun at 0107 on 5960 9755 is that it is // the LAM svc for the opening nxcst, so both start at 0101 losing that minute. Once DST starts the first Sunday of April, barring any further rescheduling, presumably there will again be time for the extra minute on the USA svc at 0007. And I have urged Ian to keep the LAM svc bc of SWLD at 0136 rather than 0107 since that will continue to avoid conflicts with other DX pgms such as Austria at 0100, VOA at 0110. Actually, in response to L-- M--, who apparently deliberately refuses to name gh as a participant in the pgm, when mentioned in PWBR, I should refer to the significant times for SWLD as 15 or 16 minutes later than given above (gh)

CHINA R Beijing in EG, complete: 00-01 Am 15455 11715-Mali 9770-Mali 9655 [sic, ancd and has been 9665 and normally either 15455 or 9665 used not both]. 03-04 15455 15290 15180 11715-Mali 9770-Mali 8425 [fails to mention Spain 11860; see 0500]. 04-05 15290 15180 8425. 05-06 Am 9770-Mali 9690=Spain [sic, changed months ago to 03 on 11860]. [R Beijing has NO extl bcs, in any lang sked betw 06--actually 05-- and 0830, siesta time!] 0830-0930 Au 15440 11755 11455 9700 6550. 0930-1030 Au same. 11-12 Am 9665 [confirmed 15/11]. 12-13 Am 17710=Mali [sic, has been 17715 hetting DW Antigua 17715; a move to 17710 would certainly help but not confirmed] 15110-Mali 9665. 12-13 As/Au 15280 11660 11600 7820 and 1341. 13-14 As/Au/Am 15280 11660 11600 1341 [which one is to Am??]. 14-15 As 15165 11600 8400 4200 [in fact, also hrd on 7405 obviously to Am]. 15-16 As on 15165 11600 8400 4200 [in fact, also hrd on 7405 obviously to Am]. [I've also hrd one of the morn hours in EG on 7820, forget which--not at 13-14]. 16-17 Af 15130=Mali 11715=Mali 11600 9570 8260 5250 4130. 17-18 Af 11600 9570 5250 4130. [note harmonic relationship of 4130 and 8260]. 1930-2030 ME/Af 11515 9440 and 6955. 20-21 Eu 11500 9720 6860 5250. 2030-2130 ME/Af 11790=Mali 11515 9745=Mali 9440 6955. 21-22 Eu 11500 9720 6860 5250 4130. 22-2230 Eu 3905=Switzerland (may be one hour earlier during summer time).

Esperanto: 11-1130 As 9480 6955. 13-1330 As 15165 13650 11650 6825 [note harmonic relationship of 13650 and 6825]. 20-2030 Eu 9965 9365 8450 7470. 2230 -23 Am 11515 9630 [probably SAm, not NAM--BBCM continues its myopic colonialist practise of drawing no distinction between NAM & SAm, while the Eastern Hemisphere is divided into targets Eu, ME, Af, As, Au]

R Beijing total output: 927.30 hpw, led by EG 122.30 [magically, the 05-06 former bc had disappeared from this compilation, tho 12-13 is counted twice due to different targets]; RS 91, Std CH 63, Cantonese 52.30 [no equality here--must check RCI totals to see if EG and FR come out exactly equal] (WBI 4/11)

COLOMBIA (probably) R Horizonte, 3232v but ancs "1630" so someone has a little explaining to do, hi. First noted 27/10 at 2315, seemed to be first day both from prior monitoring & anmts--the ancr drifted away from the mic for the longer chats, making further info, like QTH, impossible. Vallenato mx & neo-Mexican drinking songs, from seemingly just a couple of LPs. ID & TC after each song. Decent but slightly hollow audio, F-G sig but wobbly enough to make ECSS [sic] or sync reception impossible, so YV splat & utes unavoidable. Also hrd 30/10 at 0010+, worse sig. Hrd one "En Colombia ésta es la hora," but also ments of "provincia de M---" (Macas?) which would be Ecuador. Maybe a border operation, who knows which side. Impossible to look for alleged fundamental fq w/all the local MW trash over 1600 kHz (Richard Stoller, Bogotá DE)

COSTA RICA R for Peace Intl finally returned to air 3/11 at 2200 on 21559.8 instead of 21555, but on reduced sked of weekdays 21-24 on that, 01-04 on 13663.1, also up, from 13660v. Engr James Latham's absence was reason for curtailed sked --he went back to states until Dec to round up supply of spare parts to prevent future protracted outages. Once he's back, former sked of 18-24 and 01-10 should resume. World of Radio sked Tue 23, Wed 03, Fri 21, Sat 01, the last two followed by RFPI's own mby whence above info came. Also selling T-shirts for \$10 + S&H which is \$2 in NAM, \$3 elsewhere, from Box 10869, Eugene OR 97440; specify S/M/L. Orders of 5 or more get \$1 off each. Hi-quality white w/logo, stn name (gh)

CYPRUS Monitoring research 24/10: Nicosia newspaper 'O Anexaritos' reported 24/10 that on occasion of reception for Greek & Turkish Cypriots at Ledra Palace

Hotel to be given that aftn by Unficyp to mark UN Day and award of Nobel Prize, the Free Cyprus (Eleftheri Kipros) Movement and that, i.a. functions, R Liberation (Radhio Apelevdtherosi) would carry spl bc on FM 106.0 at 1030-1330 to coincide w/event. Hrd only briefly for abt 10 mins from 1130 to 1140\* drifting arnd 106.2. Intelligible pgming consisted of recordings of Greek satirical songs, the last dedicated "to our political leaders so they don't feel left out." 1140\* w/annmt "This is R Liberation--this has been a bc by the Free Cyprus Movement". Ed note: FCM believed to be hostile to current intl talx on the island and to demand withdrawl of all Turkish troops first (WBI 4/11)

DENMARK RNMN reported 13/10: Danish extl svc only uses one xmtr from rather cramped site on outskirts of Copenhagen, not far from airport. For years DR has been looking for new place where it can expand facilities. Jorgen T Madsen, head of SW Svc told me they've nearly given up trying:

A lot of places in Denmark have been considered and either there are birds which the environment people fear will fly into the antennas and drop dead or there are people who do not want to look at ants in their neighbourhood and there are other problems. Latest we found is on a little island in southern part of Denmark, called Aeroe.

[Presenter] But now R Norway Intl has offered air time to its Danish colleagues. By eliminating the 15-min gap betw ea RNI bc and reorganising sked to maybe 30-min NW xmsns, a lot of spare capacity is available. DR feels the SW Svc for Danes abroad should be funded by Dan govt, so offls in Copenhagen now have to decide if a relay of R Denmark via Norway is a good idea.

[Madsen] Up till now the SW pgm and xmtr costs have been paid by DR. If we should rent xmtr time in Norway that could very well be a permanent solution and therefore it's a time for the govt to take it over. We've been waiting for about 18 yrs so I think the decision should be made during this wintr, because if the govt will not make any decision now, then we at DR will be forced to make our decision which will be that we cannot continue to produce SW bcs...(WBI 21/10)

ECUADOR [see also COLOMBIA] HCJB unsuppressed on 7635, half of 15290 [sic--you mean 15270?] EG to Eu, 30/10 2130, Music in the Night. Loud, and I'm not exactly next-door to Quito, either. To forcibly quell (Colombian style) a frequent malapropism, there are no such things as "sub-harmonics"--this is leakage from the xmtr during the often lengthy process of multiplying up from a low crystal fq. That is, the xmtr intentionally generates this fq (tho supposedly at a tiny power level) unlike w/real harmonics (Richard Stoller, Bogotá, Colombia)

EGYPT V of the Arabs, Cairo, 2010-2104 on 4/10, AR on new 4850, ID as "Sawt ul-Arab min Qahirah" w/nx, reports against Libya, AR mx, also pgm "Huna El Shapp Libya" 6/10 from 1925 to 2028 on same, not // found on 9850 or 12050 (Roland Schulze, Stuttgart, W Germany). But like Ec above, believed to be 1/2 of 9700

EQUATORIAL GUINEA RNE Radio 1, Madrid, reported 16/10: Radio bcng stn set up by RTVE has been opened in EqG. Africa 2000 began bcng in Malabo today. Opens xmsns w/aim of ensuring Spanish cultural presence in this region of the Gulf of Guinea. Project designed and executed by RTVE may be decisive endeavour for securing Spanish lang in only country in continent of Af which uses it as an offl lang. An RTVE delegation travelled to Malabo to attend opening ceremony, led by Dir for Extl Rels, Jesús Picatoste, and made up of Secy Genl Emilio Fernández, Depy Dir for Intl Rels (¿José Antonio Gil) and Dir of REE Alfonso Gallego. Delegation, which was accompanied by Guinean authorities is following a busy working sked, (¿visiting) five radio & TV centres RTVE gives tech assistance to in Guinea. Africa 2000 has modern tech infrastruxure w/FM & SW xmtrs for three diff bcs. First concerns education by radio proper, literacy pgms for adults, institutional (¿assistance) for teachers, ag or health campaigns and even higher educ by radio. Second bc concentrates on current matters of Guinean culture in SP, and its past and projexion in future. 3rd bc undertakes to balance strictly educ content of first bc w/entertainment pgms, esply mx. Estimated cost of setting up project is over 90 megapesetas. Annual running costs amount to 50 megapesetas (WBI 21/10) BBCM still hasn't revealed SW fq for this; see Nov LN-18

FRANCE Monitoring in Oct: printd sked from RFI for D88 shows xmtr on 1296 kHz for bcs to Hanoi region of Vietnam at 15-16 starting 6/11. Presumably same xmtr in China used for R Beijing bcs in Viet at various times of day (WBI 21/10)

RNMN 20/10 interviewed Simson Najovits, head of RFI EG sexion:

[Presenter] In 1986 a test exch made between Paris and Beijing which stopped after few weeks due to French govt disapproval. Now appears climate changed.

[Najovits] Yes, project right now w/R Beijing to bc 6 hpd from xmtrs in Beijing, Xian, Kunming, tho agmt not yet signed and we won't know for at least another few weeks whether this project will become reality. But if does work out, we'll be bcng in FR towards northern Indo-China, towards India, Australia and NZ, Burma, Thailand. If it works out OK, we begn 6/11 and it'll be in FR and one pgm probly in EG for India. Fqs unk yet but times considered: India 01-02, 14-15; ANZ 1030-1130; Burma/Thailand 11-12. And at 15-17 hope to use two MW xmtrs of 500 and 1000 kW to northern Indo-China.

[Presenter] One of those 1296. But obviously China interested in airtime over French xmtrs.

[Najovits] Chinese will be using Montsinery [GUIANA FRENCH] 500 kW at 02-05 in SP, CH, EG, and then also using France xmtrs at Allouis, Issoudun 19-22 in several EEU langs. It'll be something positive both for listeners of RFI in Asia and obviously beneficial to RB as well. [no such relay found yet -gh]

[Presenter] Plans going ahead for two new relay stns for RFI. Reunion is one site yet to be developed, and at end of this week a delegation leaves Paris for Bangkok in hope of reviving earlier plans for relay there. In NAM RFI busy trying to get FR and EG onto cable systems. RFI currently estimates audience to be 80 million (WBI 28/10)

GERMANY WEST When DW ancd its decision to discontinue Sanskrit svc, quite a few learned for first time such a service did exist. This in no way reflects on failure of the particular svc. Just another measure of extinxion of Sanskrit lang. This rich lang which once flowed in the courts of emperors of ancient India is poised to face the fate of Pali lang. Today Pali exists in carved inscriptions on archaeological monuments and museums. This prhaps is fate in store for Sanskrit, w/out any linguistic group having it as mother tongue. Sanskrit makes a precarious living in the univs, relig schools, and of course in "3rd lang classrooms". Fortnightly 15 min svc from Cologne was one of last feathers in lang's cap. Not to suggest that lang declined in popularity over years when DW svc opd. Sanskrits was no more popular at start of svc than at close. Was not on popular consideration that DW had started its Sanskrit svc. Was more result of German obsession w/Indology. Only to be expected from race which produced Indologists of Max Muller's stature. Closure of svc shows that prtical considerations have got the better of romantic obsessions. DW Hindi svc has taken over Sanskrit slots. What did svc achieve? Whatever else, it did put Sanskrit on the air. For quite some time, this was the only regular Sanskrit svc. Much later did the AIR introduce its twice daily 5-min nx in Sanskrit. Doordarshan [television] has now come up w/occl pgms on Sanskrit, not fully in Sanskrit tho (Dr Supratik Sanatani, Asian DX review #101) However, Sanskrit still hrd on DW 17/10, alt Mondays (SCDX bc 15/11) & still in DW's Programm for Nov: fourteendaily on Mondays at 1545-1558 on 1548 6170 7200 9745 15105 15595 17825 and 21680. Asthi hare bhibatso; navarasaparitah parvati sahitah sa payat (gh)

Add 13790 to the Sanskrit fqs. BBCM doesn't specify relay sites per fq for complete DW sked, except Brasilia: 23-2450 SP 15185 6145, 01-03 GM 9545. Total output is 587.04 hpw, led by GM 166.29, EG 75.50, RS 35.00, AR 32.40, SP 30.20, PT 29.45, FR 23.55, SH 19.50, Std CH 18.40 (WBI 28/10)

GREECE Monitoring research in Oct: Per Greek radio mag Radhioileorasi, VOG inaugurated daily nx in Swedish 25/9, in 15-1550 Scandinavian beam on 17565 15630 11645, now w/nx in EG 1520-1540 [sic], SD 1540-1550 (WBI 28/10) No longer NAM beam? Or close enough fr govt work (gh)

Elevtherotopia, Athens, reported 31/10: Radio stn of Piraeus Bishopric inaug yesterday. Xmtg ant installed in belfry of Prophet Elias church. Pgms prepared by youth who belong to city's church groups, and stn carries hymns, discussions, relig events, pop and chch mx, replies to phone inquiries, chch nx. People have reacted to installtion of ant on belfry of newly built chch, and've submitted memorandum on subject to Bishop Kallinikos. Ant may be moved to Imittos, but unk when. Is on 91.2 FM (WBI 4/11) Imittos perfect locale for emissions (gh)

HAITI R Nationale reported 13/10: Info and co-ord ministr Anthony Virginie Saint-Pierre yesterday apptd 4-person EOD to run RTNH radio & TV, replacing Mr Jean Camille (formerly general dir of RTNH radio & TV). Until new genl dir is appointed, Mrs Anaise Chavenet will run RTNH radio & TV nx dept, Mr (¿Wesner Juste) will be admn dir, Mr (¿Jean Coulanges) dir of pgming, Mr (¿Roosevelt Poteau) tech dir. In statement to AFP Chavenet said objective'd be to restore credibility of govt radio & TV net and to reconcile it w/public opinion (WBI 21/10)

HUNGARY MTI nx agcy reported 27/10: Hung TV will bc Lutheran svc for first time Sun 30/10. Commemorates Reformation Day, xmtd from Luth Chch in Budapest's Castle district. Chchs playing increasing role in Hung mass media. So far, Hung TV has caried live bcs of 3 svcs. First, Midnite Mass at Xmas 87 from Marrhias Chch in Castle district. Whitsun, svc from Reformed Chch in Kalvin Square. 20/8, 950th anniv of death of first Hung king, St Stephen, Hung TV caried festive mass celebrated by Cardinal Laszlo Paskai in front of St Stephen's Basilica. Another bc .this year will be festive pgm of Jewish Church [sic] from Dohany St Synagogue 7/12. This Xmas, midnite mass from Kalocsa, southern Hungary. Hung R sets aside and guarantees regular airtime for chch denoms. RCC bcs 18 relig pgms of 15 or 30 min duration yearly; Lutheran and Reformed on 13 occasions, Unitarian 7, Orthodox twice a year, Jewish one Fri a month, and small chchs belonging to Council of Free Chchs in Hung, on 6 Sats a year.

MTI reported 27/10: R Danubius is to bc pgms in Hungarian from 1/11 to 14/4. Stn, being in GM in peak tourist season, supplies light nx in 4/5 of time and nx, info, wx, traffic 1/5. MTI reported 1/11: R Danubius, GM-lang svc launched 2 yrs ago, pocketed a megaforint (US\$20,800) profit last year in hard currency. This year expects to raise this to 11 megaforints, US\$203,000. Profit boosts central budget revenues. R Danubius is self-sufficient, running costs met by contrib of sponsors, ads. Has staff of 13. One min of bc time costs 60-120 schillings, or for Hung companies, forint equivalent. Remarkable thing is that there are more ads ordered by Austrian clients even for Hung-lang pgms than by Hung companies, R Danubius officials say (WBI 4/11) on FM. If a megaforint is 20.8K\$ how can 11 Mf be 203K\$? (gh)

INDIA [see also GERMANY WEST] Indian Express reported 20/8: Info & BC Min Mr H L Bhagat told Raja Sabha today that appropriate axion had been taken against those responsible for lapse during which a 6-yr-old child unexpectedly made certain utterances of irrelevant and undignified nature. Pgm Gharaunda which went on the air live had been thoroly rehearsed earlier, he said. AIR stns have been instructed that pgms like this should be pre-recorded as far as possible to avoid recurrences. Incident occurred sometime in May over AIR Patna, when child on being asked to narrate a joke unexpectedly blurted out "Gali Gali Mein Shor Hai Rajiv Gandhi Chor Hain". Stn immediately suspended pgming (Supratik Sanatani, ADXR of IDXC1 #101) So what is that in English, people want to know! (gh)

For the first time in the country a radio chess tournament was conducted by AIR Pondicherry to commemorate World Communication Day 17/5, reports UNI. State chess champ O Narayana and Lanka Ravi of Neyveli separated by about 70 km played the game w/help of communicators. Ended in draw after 50 moves (The Statesman, Calcutta, 18/5 via Tripti Ranjan Basu, Parganas, W Bengal) I would like to say how much I appreciate the fine and varied info NASWA has gained thru bulletin exchange with the Indian DX Club International (gh)

INDONESIA On 2963 at 1033-1108 17/8, RPDT2 Manggari, Indo nx, talk, nx, 34332 (Ichiro Maruo, Japan, Oct DSWCI SWN)

IRELAND Roscommon Community R, hrd on 1521 w/poor sig here, and on 3042 w/rather excellent sig. Addr unk but I feel letter w/stn name may reach them to: Roscommon Community Radio, Roscommon, County Roscommon, Eire. Give this very strong 2nd harmonic a try (Ken Baird, Sorn, Ayrshire, Scotland, Oct DSWCI SWN)

ITALY More info about Italian Radio Relay Svc. Addr is P O Box 10980, 20110 Milan. This box is now open and enquiries welcome. Xmtr now re-assessed and will have 10 kw PEP/5 kW carrier and'll xmit to EBU/ITU stds in SSB reduced carrier mode on USB. Stn is currently under construxion and hopes to be on air w/tests the third week in Oct--initially Sat/Sun only. Fqs TBA in 13, 9, 7, 4 MHz bands. Sked provisionally 05-18 using lower bands morns/eves, higher days (Noel Green, Oct DFSWCI SWN) Still no reports known of it axually on air (gh)

ISRAEL/INTERNATIONAL WATERS Monitoring 21/10: Radio stn IDing as V of the Gazelle (Hebrew: Kol Hatzvi) obs testing in HB on 918 kHz, songs interspersed w/relays of nx from V of Israel's DS. VOI reportd in 0900 nx 21/10 that "The settlers' radio stn, Kol Hatzvi, began trial bcs from outside Israeli terr waters this morn" and "trial bcs'll continue for 2 weeks". IDF radio added at 0930 21/10 that xmsns beamed at Israel from ship off the Herzliyya coast (just N of Tel Aviv) outside Isr terr waters. Stn calls its xmsns "Channel 7 trial bcs" and ancr periodically reads statement that stn "is intended for Jewish people and'll aim to air more positive bcs than the ones currently aired in Israel". Per Comm Ministry spokeman, Isr law did not apply to bcs from outside

Isr terr waters "but Ministry will nevertheless study the bcs and take action to apply law in this case too". VOI nx at 1100 21/10 said xmsns from a ship called Eretz Hatzvi (ref to biblical name for land of Israel) began at 0700 that day (WBI 28/10)

ITALY (more) RTI Radio 1 reported 19/10: At end of two-week visit to USA, Pres of RTI, Enrico Manca, and that as from Nov, RTI TV-2'd bc NBC 1800 nx of previous day at 0600 gmt, and that co-production agmts signed w/Walt Disney and Boston public TV (WBI 28/10)

Kuna nx agcy reported 25/10: Radio of the Palestinian Uprising will commence offl xmsn tomorrow for a full hour per day. Run by independent left-wing parties, xmsn: comes after successful expl xmsns last Sun from stns of R Popolare, or People's Radio, It is expected that pgms will be xmt'd every week in AR on M/W/F. Pgms will discuss issues of heroic uprising of Pal people in occupied terrs and'll hold dialogs w/Ital public in Rome abt just nature of Pal cause. Dir of R Popolare, Paolo (¿Biobi) said intensive contacts being made w/local Ital stns in other provs to unify xmsns of pgms of uprising over the three days. Ed note: R Popolare is local private FM stn in Rome area (WBI 4/11)

JORDAN Al Jumhuriyah, Cairo, reported 15/10: Hani al-Khasawinah, Jord info min, says next month we will open a radio stn directed to all Arab communities in all world parts, possibly first stn of its kind in Arab region (WBI 21/10) presumably the new 500 kW xmtrs on SW (gh)

KOREA SOUTH Korea Herald reported 23/10: Christian Bcing System will revamp nx pgms 31/10 in bid to commem first anniv of nx pgm bcing resumption. CBS will air nx every 30 mins on the hour and establish nx package shows such as 30 min News Radar, and 20-min News Relay. Two private bcing nets incorporated into KBS as part of media rationalisation measure of govt in 1980, Meanwhile, tent named Tongyang Bcing Co revival organising committee revealed in a resolution its position on variety of problems relating to bcing and claimed private bcing firms be established in // w/public firms such as KBS (WBI 28/10)

LAOS QSL from Savannakhet received after 10 months for report via Vientiane; enclosed fine Laos stamps, New Years card, complete sked for all xmtrs in Laos which I had asked for. [SW portion; most of the regional fqs are terribly wrong but maybe the times are right -gh]. 4250 Oudomxay 2230-0130, 11-14. 4500 Houa Phanh 23-01, 0330-0530, 10-1155. 5000 Xiengkhouang 23-01, 04-06, 10-14. 6130 Vientiane 2130-0230, 04-07, 09-16. 6600 Pakse 23-02, 04-06, 10-14. 7000 Luang Prabang 23-02, 04-06, 10-14. 7100 Savannakhet 2230-01, 0430-06, 11-14. 7145 Vientiane ES 23-0230, 04-0630, 1130-14. Vientiane in FR "via satellite to Eu" [actually Soviet relays] 11-1130 on 11870 11960 15420. IRCs not accepted by local POS (Roland Schulze, Stuttgart, W Germany)

LEBANON V of Israel reported 20/10: South Leb Army prsonnel today detained five Shi'i inhabitants of the 'security strip' suspected of complicity in as-sembling car bomb that exploded near Metulla yesterday...It has developed that a radio xmtr operated by V of the South, the SLA stn, was hit and bcs halted (WBI)

LIBERIA EIWA reported 31/10: Info Min Bowier has commended the mgmt of LBS for reacting SW system, which for a year+ was in disrepair. Bowier, who monitored ELBC SW from Bong country last weekend, described reception as clear and free from (¿static) interruption (WBI 4/11) 3255, 6090?

LIBYA JANA reported 23/10: Leader of revolution has requested people's committees which manage and supervise masses organs of info to stop responding to the Egyptian govt's info campaigns being waged by Eg regime against Libyan Arab people. Req came on occasion of holy birthday of Prophet and in respect for this sacred event (WBI 28/10)

MALTA V of the Mediterranean, 0635-0645 on 16/10 in EG on 9765, ID, intl mx, woman pgm Sugar & Spice, also 2325-2330\* 26/10 on 6110, nx in EG, closed anmt w/addr, NA (Roland Schulze, Stuttgart, W Germany) Two diff 'stns', no?

MONGOLIA RUB obs 19/10 w/EG at 12-1228 on 12015 9615, showing slight reduxion in duration, ex-35 mins; sked ancd: 0910-0940 12015 9615, 12-1230 same, 1445-1515 15305 9575, 1940-2010 11870 9575. 21/10, RUB DS pgm I in Mongolian on apparent new 4900, //4080 at 2215 (WBI 28/10)

NIGERIA R Nigeria, Lagos, reported 20/10: Two electronic media executives in Cross River state have appealed to fedl and state govts to take immediate steps

to refurbish nation's bcng eqp, which have been in use for 20+ years. Views of chief (¿Victor Efiang), GM of NTA Calabar, and Dr (¿Akomayo Okong) of Cross River R, made known during visit of Chief (¿Efiang) to the radio stn. Efiang noted importance of info dissemination quite overwhelming. Said it was sheer dexterity on part of Nig engrs to be able to keep eqp working, and that there was a limit to what they could do. Called for interaxion among various media houses in state to protect their common interest. (WBI 28/10)

R Nigeria Lagos reported 1/11: Fedlgovt says it'll maintain monopoly of el-ectronic medium for timebeing. Min of Info & Culture, Prince Tony Momoh, who ancd this, said however that gadgets used in bcng might be privatised but control of xmsn and ownership'd remain w/govt. Disclosed that committee set up to look into bcng as well as eqp that could be produced locally. Prince Momoh, speaking in iv w/NTA, admitted that present economic situation could not adequately sustain the authorities of the 22 stns. But said none would be shut since it was deliberate policy to establish TV stn in each state and Abuja. Momoh also explaind govt not adverse to forn films, pgms but they should not portray violence, degrade the black man, or be against natl culture (WBI 4/11)

PERU R Huayabamba, Huayabamba, on new 5081 30/8 2245-2330, 25332, P-G, nom 5080 w/folk mx pgm promoting Identidad Peruana (Daniel Camporini, Argentina, Oct DSWCI SWN)

R Selecta de Viru, 6791.5, letter from v/s Jose Victor Castillo Carranza, Gerente, notes that stn is in difficult period, badly needing eqp, etc. Name of stn on ltrhead is: Empresa Radio Difusora Selecta Viru, E.I.R. Ltda, Av. Graus/n, Viru, La Libertad (Dexter, NU, via Oct DSWCI SWN)

PHILIPPINES FEBC Radio Intl in EG: 00-02 15480, 13-16 11850, 1345-1355 instl mx on 9670. FEBC has started new Letter Bag pgm every Sun at 14-1415 (R Veritas and B Srinivasa Rao, IDXCI ADXN #101) Is that all? Used to be more EG

PORTUGAL R Renascença, non-govt'l svc opd by Catholic church for Port emigrants in Eu, Brazil. Includes relays/rebcs of domestic RR svc in Portugal. Am 0015-0115 9600. Eu 0955-11 Sun 9575; 18(Sat/Sun 14)-19 on 9680 (WBI 21/10)

SOMALIA Monitoring 13/10: pgm of Somali mx, poetry obs on 7120 at 1530-1640, fq used by R Hargeisa prior to going off air in late May 1988. No ID yet (WBI 21/10) R Hargeisa confirmed \*1500 14/10 w/anmt in Somali: "This is R Hargeisa, the V of the Somali Democratic Republic..Time is 6 pm, when we normally commence our eve bcs which will continue until 9 pm [1800 gmt]" (WBI 28/10)

SOUTH AFRICA R RSA D88 EG revised 25/10: 02-03 NAm [note cut of last hour due to addition of two hour in morn!] 9615 9580 11760. 04-0415 Af/ME 11900 7295 9585. 11-12 Af/ME/Eu 17755 11900 21590. 13-14 India/Pak/FE [new targets!] on 21590 17755 both beamed 32 degrees. 14-16 Eu/Af 21535 11925 21590; NAm 21670 on 305 degree beam same as 9615 and 11760 eves [however, has actually been on 25790; presumably 21670 is fall-back fq if 11m dies]. 18-19 Eu 15365 17795. 19-21 Af/ME 15365 7295 17795. The Danish pgm is Wed 1740-18 on 21535 (Minnie Visser, Panorama Monitoring Stn, R RSA)

SPAIN RNE Radio 1 reported 13/10: Dir of RNE Agusti Farre has finalised proposed appointments to management team stemming from merger of RNE and RCE; including: Dir of Territorial Stns Ramon Villot y Villot; Dir of REE Homero Valencia Benito; Dir of Intl Rels Alfonso Gallego Anabitarte; Dir of Engineering Eladio Gutierrez Montes (WBI 21/10) RNE Radio 1 reported 21/10: Dir gen of RTVE Pilar Miro has submitted her resignation. Had been undr attack by parliament for using RTVE funds to buy clothes etc. Remains to be seen whether govt accept resig. (WBI 28/10)

REE reported 27/10: TVE will bc spl pgms to America via satellite from 1/11. Per El Pais, pgm will be called Canal America, intially 4 h on Sundays, 3½ h other days, with aim of 24h by 1992. Bcs will be free all over continent except in parts of Canada, Brazil, very small area of SAM via one of Intelsat sats from which Spain has rented a further xponder. Project prepared by TVE nx sexion, officially launched 1/11 at "Cuencaficacion 92" symposium. RNE Radio 1 reported 31/10: Tonite TVE began daily bcs to LAm, 3 hpd, extended to 3 sesquihours at weekends. Began at 1900 w/current TV nx, to those w/parabolic aerals; then mx, series, shows. Potential audience 200 million SS w/different interpretation of world, Spain happenings than from major NAm nets (WBI 4/11)

SRI LANKA R Australia Communicator report from SL correspondent 30/10: SL govt recently approved proposal by Min of State and Info Dr Anandtissa De Alwis to

expand SW svc of SLBC. Project '11 incl upgrading present ant system at Ekala & installation of two hi-power and four lo-power xmtrs also at Ekala. Jap govt, which is financing sevl development projex in island, incl TV stn SL Rupavahini Corp, agreed to finance SLBC expansion in form of outright grant. In return, R Japan may use SLBC xmtrs to relay bcs to SAs/ME. Currently used xmtrs of SLBC are 40+ yrs old, beyond repair and as result xmtns not properly rcvd in target areas. Development of this project '11 enable SLBC provide effective SWBC svc to local and overseas listners and also bring in sizeable income by way of commercial revenue. Meanwhile, construxion of VOA relay at Puttalam in NW province is going per sked. Expected to set up four xmtrs w/capacity 500 kW (WBI 4/11)

SUDAN National Unity R, Omdurman, ancd 14/10 in AR: From tomorrow, xmtns extend to 2 hours in 3lmb, 1300-1500. Ed note: ex 14-15; now hrd on 9435 (WBI 21/10)

TANZANIA R Tanzania, Dar es Salaam, reported 25/10: Govt has bot 2 new 100 kW medium-range xmtrs to improve reception of RT Commercial & Extl svcs. Minister of state in office of PM and first VP Ndugu Anna Makinda said in parliament in Dodoma today that xmtrs expected to arrive from Switz before yearend. Said xmtrs '11 be assembled in DeS w/in 2 months of arrival before tested. The two svcs were hrd w/difficulty in many parts of country because two existing 50 kW xmtrs obsolete. (WBI 4/11)

THAILAND The Nation reported 13/10: Forn Ministry yesterday urged both govt and privately-owned TV stns to exercise restraint in presenting forn rx not conforming to Thai natl interests. Req contained in ltr issued by Forn Ministry signed by Pratyathawi Tawethikun, depy dir-gen of info dept. Asked for coöps from TV stns which bc satl rx abt forn countries such as Burma, Afghanistan. Pratyathawi pointed out some Thai xltns of satl rx bcs were incorrect and could cause misunderstandings betw Thailand and friendly countries. Called on TV stns to make enquiries to ministry if there are douts in their xltns (WBI 21/10)

U S S R R Moscow, site unk, 1926-2100 9/10 in RS on new 5055; ID, instl mx, TC, 2100 IS from RM intl svc because before this was a HS, because you can hear how they switch xmtr, abrupt s/off. Yakutsk, 2110-2147 f/out on 23/10 in Yakut on 4920 w/morn gym, piano, female ID, IS thrice (Roland Schulze, Stuttgart FRG) 6810/10670, Soviet spurs of unk origin, 27/10 and since, from 2130 past 0000 Vilnius ES dominant audio over RM in various langs. 6810 louder than 10670, leading me to believe latter is 2x mixing product interval, so these are 41/31m products. No, I haven't looked lower down on 10 MHz for the other one; would you? (Richard Stoller, Bogotá, Colombia, 31/10 -- "Triqui-triqui")

Tyumen Oblast R, on 4895 at 00-20 relays All Union R pgm I, Radio Orbita-4 except M-F: 0115-0130 pgm pvw, Tyumen oblast nx, 0140-02 feature, 0315-0323 press review of Tyumenskiy Komsomolets, Tyumenskaya Pravda, 0323-04 feature or mx, 0745-0750 wx, 0750-08 mx, 13-1310 oblast nx, 1310-14 feature or mx. No details known of weekend pgms [this proviso appears more & more on BBCM info-- apparently they cut monitoring activities on weekends. Let's hope nothing significant happens during that 28% of the time!]. During summer time all pgms one hour earlier. This svc also carried in part on 4820, Khanty Mansiysk National Okrug radio xmtr (WBI 21/10)

Monitoring 5-12 Oct: Since 5/10 R Yerevan obs on 9515 w/ES to ME in Armenian, AR, TK, Persian 1630-21 //6065 4990 864. Waht seems new bc in Kurdish also hrd on same 15-1630 (WBI 21/10)

All Union R reported 14/10: Our airwaves are being opened even wider for advertising and this is obviously one sign of restruxuring and new approaches in our work, and in the funxion of radio as a whole. R is the most accessible, rapid and comparatively inexpensive channel for advertising purposes. The living word with its richness of intonation is always intelligible and convincing to the ear. We are rcvg more & more reqs for rendering of paid services for being ad material, and this is already producing results. Ad info helps manufacturer to find consumer, consumer to meet his demand. And we are frankly pleased that we are taking a specific part in widening market of goods, svcs. At same time many enterprises, orgs, coöps, w/their technology, goods and svcs, are today seeking outlets to intl markets and forn partners. We'd like to help them in this matter. This time we are pointing you, comrades, in direxion of our colleagues who bc to forn countries at Moscow R, whose pgms go out in 63 langs w/230+ hpd of air time. The stn has wide audience, 160 countries and ters of world [come on, now--it's obviously audible in all of them]. Moscow R bcs a part of its pgms in the 12 main langs--EG, FR, GM, SP, IT, CH, JP, HD, AR, and

a number of others - on MW direct to capital for forners coming to our country to work at diplomatic, trade missions, intl symposiums, exhibs, festivals, and also as tourists, ordinary indivs. In all this amts to myriads of reps of forn countries, most of whom are business people, your potential partners for coop. And so Moscow R offers its airwves for ads in fornlngs. If you are interested in this ad channel call 233-66-60 or write: 113326 Moscow, Pyatnitskaya Ulitsa 25, Foreign Broadcasting, Dir of Pgms (WBI 21/10) Let us know if you hear any outright ads on SW from R Moscow (gh)

RMWS ancd 14/10 0410 in New Market pgm: RM now accepts ads in its pgms, a new development. We can advertise your produx in any of our 63 diff lang svcs. Remember, new Soviet policies of perestroika and glasnost' have attracted many new listeners all over world to our bcs. Also pgms in WS are bc to Moscow listeners who include a lot of forn businessmen and other visitors. Telex 411137.

RMI ancd 25/10 in SP: Spanish sexion has rcvd many ltrs from listeners requesting preparation of pgm in Catalan. Collaborator responded enthusiastically so we now invite everyone to hear pgm in Catalan 15/11 2230. Ed note: RM bc regularly in Catalan Apr 1950 to Nov 78, averaging 3 half hour pgms a week. See recent LNs for reports on RM being in Basque (WBI 28/10)

Monitoring 26-30 Sept: Uzbek R pgm I from Tashkent found on 5995 at 0930 29/10. Fg seems ex-5925 which had been in use 1960+ and last obs 26/9/88. 5995 is //162 and 756 kHz. Uzbek R pgm II from Tashkent now obs on 4850 1062 666 and in part on 1539 from local stn in Samarkand. Fergana, Uzbekistan stn obs on 4510 from apx 1220 to 1300 w/local pgming in UZ 1230-13; also hrd at 0900\* 29/10. Kazakh R pgm I from Alma Ata obs on 4610 since 22/10, seems ex-4545, //11950 9780 6180 5970 180 at 00-20 (WBI 4/11)

VATICAN During summer time in Eu, all xmsns beamed to Eu/ME, i.e. VR's pgms I and II, will be one hour earlier. EG: Pgm I: 06-0620 9645 6185 1530. 1445-15 11740 9645 7250 6248 1530. 2050-2110 9645 7250 6190 1530; also EG in multi-lingual Four Voices pgm Mon-Sat: 07-08 IT/FR/EG/SP 11740 9645 6248 1530. Same at 1130-12. Same at 16-1630 plus 7250. 20-2010 FR/EG/SP Eu/Af on 15120 11700 9645 9625 7250 6248 6190 1530. Esperanto on same fqs Sun 20-2010. Mass in Latin Mon-Sat 0630-07 on 15120 11740 11715 9755 9645 7250 6248 1530. Pgm II has no EG, but Esperanto Thu 06-0620 on 11715 9755 7250 6248 1611.

EG in Overseas svc: 0050-0115 Am 11780 9605 6150. 02-0215 As 9650 7125 610310-0330 Am 6150. 05-0515 Af (incl items in Swahili, Luganda & Madhi, Hausa, Igbo, Yoruba) on 17730 15190. 0615-0630 exc Sun Af same fqs, langs. 0715-0730 exc Sun Af 17730-15185 + same langs exc this and 0615 say Igbo or Yoruba. 1115-1130 Af 21485 17840 same langs. 12-1215 same. 12-1230 exc Sun As/Au 1780 15190. 15-1510 As 17870 15090 11960. 1545-16 Af 17730 15120 11810 + same lang 2045-21 Af 15120 11760 11700 9625 + same langs. 2205-2230 As/Au 11830 9615 601

VR total weekly output: 256.45 hours led by EG 32.15! (WBI 21/10)

YUGOSLAVIA R Yugoslavia, all xmsns one hour earlier in summer time. EG: 01-01 Eu/Am 9660 9620 5980. 13-1330 As/Au/Am 15380 15325 11735. 1930-20 Eu/Af 9660 9620 5980. 22-2245 Af/As/Am 9660 9620 7130 5980. [Note new bcs to Am, and some with 500 kW]

Multilingual svc for Yugoslavs working abroad: Eu/Au/Am 07-11 Sat/Sun on 153 11735 9620 7240: Sun 07 R Sarajevo in Serbo-Croat, 08 Pristina in Albanian, 09 Skopje in Macedonian, 10 Zagreb in Serbo-Croat. Sat 07 Novi Sad in Hungarian, 08 Titograd in SC, 09 Ljubljana in Slovene, 10 Belgrade in SC. At 21-2130 Eu/Am on 9620 7240 5980: Sun Belgrade in SC. Mon Ljubljana in Slovene, German & EG. Tue Zagreb in SC. Wed Sarajevo in SC. Thu Pristina in Albanian, 2115 Novi Sad in Hungarian. Fri Titograd in SC. Sat Skopje in Macedonian. Also a pgm for seamen, edited version of R Zagreb xmsn comprising material from various Catian radios, Thu 23-2330 in SC to Eu/Am 9620 7240 6100 5975. Total output is 96.15 hpw, led by EG 17.30 (WBI 4/11)

C L A N D E S T I N E C R A N N Y Iran's Flag of Freedom Radio (Inj Radyo Darfaresh Kavylani[?]) has been on new 11615 for 1630-1830 xmsn. 15560 //. Earlier 11315 was used for a few days. On 16/9 there was a woa-woa jammer on 15560. This anti-Khomeni Farsi speaking stn from Egyptian site has never been jammed by Iranian authorities and neither has R Iran, which uses same site, xmtrs (Supratik Sanatani, India, IDXCI ADXR 101)

V of the People of Kurdistan 24/10, stn hrd being in Bahdinani Kurdish at 13C 1355 on 4040-4080v. After Koran, ID as above, Aira Dangi Gelli Kurdistan, cor in KD re "Saddam's dictatorship". 1355 brief AR anti-Iraq, QRMD out (WBI 28/10)

V of Truth (Port: Voz da Verdade) is hostile to govt of Angola and to Cuban involvement in that country, and believed to operate from S Africa; in opn at least since Aug 1978. 06-07 & 20-21 on 4950, alt fq 5015 (WBI 28/10)

R Freedom SCDX 18/10 iv w/ (¿Dan Ngubeni) head of ANC stn currently visiting Stockholm, excerpts; Our capacity to reach SAF audience must be intensified. Now our tech capacity is fairly weak in relation to RSA. Madagascar, we use 30 kW, Luanda 50 KW, Dar es Salaam 50, Ethiopia 100, but weak by the time it reaches S Africa. Lately I'm unable to receive Eth even tho I am further N in Lusaka. Off air from Zambia for past 9 months due xmtr breakdown, lack of spareparts. Is illegal to listen to R Freedom inside S Africa, minimum penalty 5 years in prison. It'd be naive to rule out competition from commercial stn, mostly mx the people like, tending to divert people from the issue. If our signal is weak, people switch over immediately to Bop or Capital or Metro (WBI 28/10)

R Patria Libre El Tiempo, Bogota reported 21/10: In unusual action, guerrillas of the Colombian Army of Natl Libn (ELN) have hijacked a Helicol (natl helicopter of Columbia [sic]) helicopter and dropped rebel leaflets on Medellin. Alleged rebels dropped leaflets from chopper inviting people to listen to clandestine stn R Patria Libre, the voice of the New Columbia [sic], on 49mb daily at 0030. Found in progress 0110 28/10 on 6766.25 to 0114\* (WBI 4/11)

V of the Resistance Monitoring 16/10: obs \*2103 in SP on 8425.2 USB. During the pgm, the stn supporting the Revly Armed Forces of Colombia (FARC), hostile to Col govt, andcd it xmts on Sundays: 14 on 6195 AM, 15 on 6850 USB, 17 on 6135 AM, 18 on 15265 USB [typo for 14265?], 21 on 7425 USB, 22 on 7100 USB (WBI 21/10)

R Farabundo Marti First hrd Jan 82; hostile to govt of El Salvador, claims to bc from Chalatenango dept in El Sal. On spl occasions, it has linked up w/R Venceremos. During summer time in El Sal [not necessarily during the summer!] xmsn one hour earlier. Fqs change constantly to avoid QRM. 12-13 & 23-24 in SP to Am on 6700v (WBI 21/10)

La Voz Popular [why BBCM insists on xltg names of some clans into EG and not others is quite unclear] Preense [sic] Libre, Guatemala 22/10, text of c'qué issued by Guat Natl Revly Unity, URNG in Guat City 19/10: URNG ancs that from 21/10 LVP will carry two weekly xmsns. In addn to usual Fri 2315 on 41mb near 7 MHz [below it, per previous reports], we will have new xmsn UTC Sat 02 on 80m 3650 kHz. W/new pgm, LVP, stn began being in May 87, wants to better fulfil [sic] its obligation to report truth to our people and worldpeoples abt situation in our country, revly/popular struggles. (WBI 28/10)

NORTH AMERICAN PIRATES R Newyork International (RNI), 1620 kHz, hrd every nite 15/10 to 18/10. Unlike last year, this RNI was very boring--album rock mx, only one cart promo, lots of dead air, mistake-prone ancr. Pgms lasted 01-0400+ every nite exc 18/10 when 0203\* due to "tech difficulties". (Actually FCC threats) Have hrd lots of conflicting rumors about who's actually running RNI now. Apparently still off LI waiting for court approval (A Yoder, Beaver Falls PA) Story is that Weiner temporarily sold it to British interests and vessel is registered in Sealand, oil-platform "country" off England; a report from Karl Zuk in IRCA says they planned to spend wint' as propoganda stn off CAm (gh)

R Free Willy 30/10 on 7415, 0113-0400\*, SIO 544, f/out. 2 M B5ing and playing mx. Largely fun on this show. Had spl rpt from Alaska correspondent who said trapped whales axually college students in whale outfits as publicity stunt. Pro-Duke, Anti-Bush. Sometimes vy obnoxious--hoped Quayle would hear bc and "slam his car right into a mtn". Please QSL via ACE! (A Yoder, Beaver Falls PA)

V of the Kilt (tent ID) 31/10 7415 at 0247-0321\*, SIO 444. Spoof of Irish privates, all Irish folk mx, M claimed to bc from Londonderry. Dunno if he expected anyone to believe him w/US accent. Pse QSL via ACE! (A Yoder, Beaver Falls PA)

WKND 1/11, 1620, 0257-0638\* SIO 544. Played SF rock opera till 0427, then album rock. Lotsa LedZep, DeePurp, M Jackson, & Slayer (what a combo!). Slayer mx may show connexion to my unID on 1650. M spoke little and had heavy reverb on vx. Occlly threw in "Remember, RNI cares about you and Sarah cares about you" IDs taped from RNI. Pse QSL via ACE! (A Yoder, Beaver Falls PA)

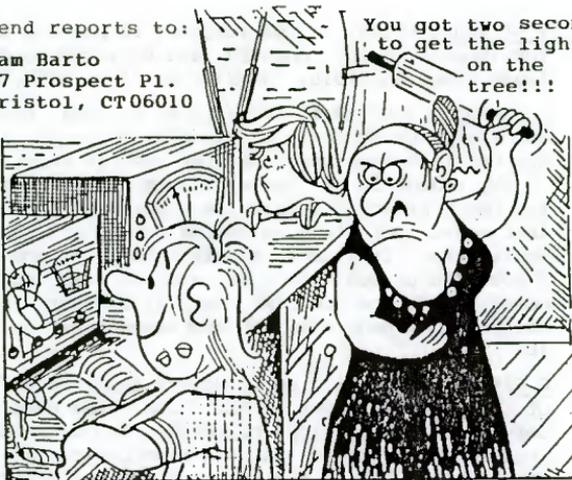
R Atlantic 10/10, 0104-0119\* on 7470, SIO 555. DJ RF Fields claimed Atlantic City QTH. Old heavy metal mx, Aerosmith, Black Sabbath etc, Pse QSL via ACE! (A Yoder, Beaver Falls PA)

# QSLs

Send reports to:

Sam Barto  
47 Prospect Pl.  
Bristol, CT 06010

You got two seconds  
to get the light:  
on the  
tree!!!



## ABU DHABI: Voice of the United Arab

Emirates 15405 f/d ltr. in 5 wks.  
for an EG/AR rpt. v/s Ahmed A.  
Shouly, Director. (Swaringen-NC).

## ANGOLA: Emissor Regional do Zaire

\* 4885 f/d cd. in 2 mo. on my 5th  
try for a PT rpt. (Field-MI).

### Emissor Regional de Benquela

5044 f/d cd. in 2 mo. for a PT  
rpt. (Field-MI). f/d prepared cd.  
w/ site in 72 ds. direct from  
station for a PT rpt. and \$1.00.

### (Kusalik-ALB). Emissor Regional

do Lobito 5041 f/d cd. in 2 mo.  
on my 3rd try for a PT rpt. (Field

MI). 7001 f/d prepared cd. w/  
site in 72 ds. direct from station.

\* (Kusalik-ALB). Emissor Regional

do Cabinda 5033 f/d cd. in 2 mo. on 9th try. for a PT rpt. (Field-MI). Emissor do Huambo 5060 f/d cd. in 2 mo. on my 3rd try for a PT rpt. (Field-MI).

## ARMENIAN SSR: Radio Moscow 15485 via Yerevan f/d "Sherry Lynn" poster cd. in 41 ds. (Wilkins

CO). Radio Yerevan 11790 f/d cd. in 11 mo. (Eckert-PA).

## ASCENSION ISLAND: Voice of America 17830 f/d cd. in 9 ds. (Eckman-CA).

## ASIATIC RUSSIA: Radio Moscow 9875 via Khabarovsk f/d cd. in 41 ds. (Wilkins-CO). 17570 f/d

cd. in 54 ds. (Eckman-CA). 17590 via Kenga f/d "Friendship Cartoon" cd. in 54 ds. (Eckman-CA). 12050 via Khabarovsk f/d "Byelorussian Railway" cd. in 41 ds. (Eckman-CA). 17875, 15265 and 17860 via Chita f/d "Lenin Library" cd. in 41 ds. (Eckman-CA).

AUSTRALIA: Radio Australia 5995 via Shepparton f/d "Platypus" cd. in 3 wks. Good reply time! (Huniwell-NJ). f/d "Lyrebird" cd. in 3 wks. (Huniwell-NJ). 15415 via Carnarvon f/d "Koala Bears" cd. in 3 wks. (Huniwell-NJ).

AUSTRIA: Radio Austria International 9875 f/d "Costume" cd. in 40 ds. (Connor-PA). same cd. in 64 ds. w/ schedule. (Levison-PA). 6015 cd. w/ schedule and rpt. forms in 2 mo. (Eckman-CA). Austrian Army Training Radio 5035 f/d cd. in 14 ds. (Schulze-FRG).

BELGIUM: BRT 9925 f/d ltr. w/ schedule in 24 ds. (Connor-PA). 9925 f/d "Tassel House" cd. w/ schedule in 43 ds. (Eckman-CA). RTBF/ORU 9925 f/d "Grand Square" cd. w/ sticker and schedule in 23 ds. (Eckman-CA).

BOLIVIA: Radio Illimani 6025 f/d prepared cd. w/ personal ltr. in 34 ds. for 2 IRCs and \$1.00. v/s Carmelo de la Cruz Huanca. Addr: Casilla 7902, La Paz. (D'Angelo-PA).

BONAIRE: Radio Nederland 21685 f/d "European Soccer Champions" cd. in 15 ds. for 1 IRC. (Brouillette-IL).

BORNEO (Kalimantan): RPD/TK2 Bulungan 2976 f/d prepared cd. w/ personal \* ltr. in 33 ds. after a f/up rpt. in IN. Rcvd. very nice photo of Studio Dancer. v/s Atmaja N., Kepala Sub-Bagian Tata Usaha. (Kusalik)

BOTSWANA: Radio Botswana 4820 f/d "Herdboy" cd. in 2 mo. for \$1.00. v/s Ted Makgekgenene, Chief Engineer. (Atkins-AL).

BRASIL: Radio Nacional Macapa ZYF360 4915 f/d prepared cd. w/ personal ltr. in 35 ds. for a PT rpt. and

\$1.00. v/s Eudson Monteiro Lima. (D'Angelo-PA). Radio Clube do Para personal ltr. in 31 ds. for a PT rpt. and ms. (D'Angelo-PA). Radio

Cultura Sao Paulo 17815 n/d ltr. in 38 ds. for a PT rpt. and \$1.00. v/s Thais de Almeida Dias. (Weber-OH)

Swiss Radio International 17730 via RadioBras f/d "Cattle" cd. in 16 ds. (Huniwell-NJ). f/d "Old Town" cd. in 23 ds. for 3 IRCs. w/ schedule. (Weber-OH).

for a PT rpt. and

\$1.00. v/s Eudson Monteiro Lima.

(D'Angelo-PA). Radio Clube do Para

personal ltr. in 31 ds. for a PT

rpt. and ms. (D'Angelo-PA). Radio

Cultura Sao Paulo 17815 n/d ltr. in

38 ds. for a PT rpt. and \$1.00.

v/s Thais de Almeida Dias. (Weber-OH)

Swiss Radio International 17730 via

RadioBras f/d "Cattle" cd. in 16 ds.

(Huniwell-NJ). f/d "Old Town" cd. in

23 ds. for 3 IRCs. w/ schedule.

(Weber-OH).

Richard A D'Angelo  
2214 Burkay Drive  
Wyanonissing  
PA 19410  
USA

Dear Mr D'Angelo,

Thank you for your letter of 25 September and your reception report for 11750.

I confirm that you heard 11750 being transmitted from our new relay on the Seychelles.

I hope you continue to enjoy our programmes.

Yours sincerely,

C. FitzGerald

C FITZGERALD  
Engineer  
For Head of Transmission Planning Unit

**STATION PENNANTS OF THE WORLD:** As previously promised I am presently editing the new editions of this massive work. I have a few bound editions of the South American section left from last year. Should you want to sample this publication, the cost is only \$4.00 per copy. There are more than 50 pages with nearly 430 listings and about 300 illustrations - just from South America. Send your orders to: Sam Barto, 47 Prospect Place, Bristol, CT 06010. Overseas orders will be sent via surface mail...Sam.



**BRASIL:** Swiss Radio International 17730 via RadioBras f/d cd. in 3 wks. (Renfrew-NY). f/d cd. in 18 ds. for 1 IRC. (Connor PA). Deutsche Welle 15185 via Brasilia n/d cd. in 5 wks. 9renfrew-NY).

**BYELORUSSIAN SSR:** Radio Moscow 15500 via Orsha f/d cd. in 51 ds. (Allen-OK). 15540 via Minsk f/d cd. in 51 ds. (Allen-OK).

**CELEBES:** RRI Manado 3215 f/d personal ltr. via registered mail in 1 mo. for an IN rpt. and ms. after 3 tries. v/s Daniel Narande. (Palmerston-MN).

**CHINA, PEOPLES REPUBLIC OF:** Radio Beijing 15455, 9570 and 17650 3 f/d cds. w/ papercuts and ltr. in 50 ds. (Eckman-CA). 9665 f/d cd. in 2 wks. (Huniwell-NJ). 11715, 11860 and 9770 (via Mali) cds. w/ schedule and papercuts in 27 ds. (Levison-PA). Radio Exterior de España 1915 via Xian f/d "Bullfight" cd. in 64 ds. w/ site. (Buer-FL).

**CFVP/CFCN-AM106**



BROADCAST HOUSE  
CALGARY, ALBERTA CANADA  
T2C 2L1

OWA Mr. Weber.

*Thank you for the reception report!  
We hope you'll go on enjoying your  
radio involvement and the programs  
we continue to air!* JOHN H. BRUND, Superior Radio Engineers

**CLANDESTINE:** Radio La Voz de la UNO 5890 f/d person- \* al ltr. in 2 mo. for a SP rpt. Addr: Centro de Informacion y Eval., Apt. 348-1200, San Jose, Costa Rica. (Field-MI).

**COSTA RICA:** Radio for Peace International 13660 and 7380 f/d cd. in 2 mo. w/ schedule and station information. (Field-MI). 7375 f/d cd. w/ ltr. in 88 ds. for \$1.00. v/s James Latham. (Wakisaka-MD).

**VERIFICATION SIGNERS:** Radio Evangelist 6215 via Radio Caroline J. Maasbach. Capital Radio 3927 J. Van Hoog Straten, Director of Technical Services. DVBS Aden 7190 Abdullah N. Yeslam. Radio Nacional Manaus 4845 Eudson Monteiro de Lima. Radio Clube do Para 4885 Souza Solange, Secretaria. Radio For Peace International 13660 James Latham, Station Manager. Radio Impacto 5030 Hector Requena C., Asesor General. Radio Rebelde 5025 Jorge Luis Mas Zabala, Relaciones y Gerencia Comercial. Radio Catolica Nacional 5055 Padre Antonio Arregui, Director General....via PLAY-DX.



**COSTA RICA:** Radio for Peace International 13660 f/d "Dove" cd. w/ ltr. in 65 ds. for \$2.00. (Weber-OH). Radio Impacto 6150 f/d ltr. w/ sticker, pennant and postcards in 38 ds. for 3 IRCS. v/s Hector Requena C., Asesor General. (Weber-OH).

**CUBA:** Radio Moscow 11710 via Habana f/d "Lenin Library" cd. in 41 ds. (Topoleski-PA). Radio Habana Cuba 9655 f/d cd. in 107 ds. (Topoleski-PA). Radio Rebelde 5025 p/d ltr. w/ pennant and schedule in 61 ds. (Eckman-CA).

**CYPRUS:** Cyprus Broadcasting Corporation 9650 f/d "Collage" cd. in 37 ds. for a taped rpt. and \$1.00. (Washburn-ME). 7205 and 9650 f/d cd. w/ station fact sheet in 5 wks. for 2 IRCS. (Wakisaka-MD).

**CZECHOSLOVAKIA:** Radio Praha 5930 f/d "Castle" cd. w/ wrong freq. (Huniwell-NJ).

**DOMINICAN REPUBLIC:** Radio Amanecer 6025 f/d "Botanical Gardens" cd. w/ ltr. in 330 ds. for a SP rpt. and 2 IRCS. v/s Socrates Dominguez, Ingeniero-Tecnico. (Brouillette-IL). n/d form ltr. in 11 mo. for a registered SP rpt. and \$1.00. v/s as above and Pastor Fidel Ferrer, Director. (Foltz-CA).

**DUBAI:** UAE Radio Dubai 11940 f/d "Great Circle Map" cd. w/ schedule and pennant in 30 ds. (Healey-RI).

**ECUADOR:** HCBJ 11775 f/d "Sketchbook" cd. in 21 ds.

\* (Connor-PA). Radio Pastaza HCRP7 3315 f/d prepared cd. w/ ltr. in 55 ds. after a f/up rpt. in SP for \$1.00. Also rcvd. postcards, station pennant, stickers and a cassette tape of folklor music. v/s Señor Jorge R. Chicaiza, Director. (Kusalik). Radio Jesus del Gran Poder HCRP1 2 f/d cds. for 5050 in 60 ds. after a f/up rpt. in SP for \$1.00. (Kusalik-ALB).

QSL  
Verification Card

Station RADIO REBELDE HABANA - SERUI  
To HOWLAND ARCHER

This is to confirm your reception of our transmission dated  
18 FEBRUARY 1978 18:16-19:08 hours WLT on a  
frequency of 4627 kHz. with 3500 watts.  
(65,114 meter)

*Howland Archer*

DIRECTORAT RADIO R  
RADIO REBELDE  
MRS. JASRAN APUPAKAR  
N I P. 05001792.

Signature & Official Seal - KEPRA SPAS W

**ENGLAND: VOA** 9735 via Wooferud f/d cd. in 5 ds. (Wallace-MA). **Radio Canada International** 7295 self-service cd. in 14 ds. (Eckman-CA). 9555 f/d "Human Rights" cd. in 10 ds. (Topoleski-PA).

**ESTONIAN SSR: Radio Tallin** 5925 cd. via Moscow in 60 ds. for a reception while I was in Greece. v/s Elena Rogova. (Rigas-IL).

**ETHIOPIA: Voice of Ethiopia** 9660 cd. w/ sticker in 53 ds. (Schulze-FRG).

**EUROPEAN RUSSIA: Radio Moscow** 13680 via Moscow f/d "Railway Terminus" cd. in 56 ds. (Archer-NC). 17815 via Serpukhov same cd. in 56 ds. (Archer). 9865 f/d "Lenin Library" cd. in 41 ds. (Topoleski-PA). 15465 via Kingisepp f/d cd. in 56 ds. (Paszkievicz-WI).

**FIJI: University of the South Pacific** 9070 f/d prepared cd. in 61 ds. for 2 IRCs. and \$1.00. v/s Professor Johnson (who gave the lecture that I monitored). (Davis-NM).

**FINLAND: Radio Finland** 11755 and 15185 f/d cd. w/ schedule in 47 ds. (Levison-PA).

**FRANCE: Radio France International** 5950 f/d "Les Hotels du Marais" cd. w/ site in 99 ds. w/ schedule. (Topoleski-PA).



Mr. Ronald Howard  
777 Via Hierba  
Santa Barbara  
California 93110  
U.S.A.

Thank you for your reception report of January 29, 1978. We are pleased to verify it and to confirm that you have listened to Radio Thailand, Home service, transmitting on 4830 KHZ between 14.38 - 15.02 hrs (GMT).

Somchit Sathichai  
Director, Radio Thailand  
Bangkok 8 Thailand.

THAILAND  
RADIO THAILAND  
BANGKOK 8 THAILAND

THAILAND  
RADIO THAILAND  
BANGKOK 8 THAILAND

SOCIALIST REPUBLIC OF VIETNAM  
THE VOICE OF VIETNAM

*Verification*

To: Ronald Archer  
Thank you for your reception of 15.30 AM on 15.30 AM on April 24, 1978. All details of your Report of Reception correspond well with our station log, with the compliment of the Director of the Overseas Service of the Voice of Vietnam.

Hanoi, June 26, 1978  
OVERSEAS SERVICE, VOICE OF VIETNAM  
58 Owen St Street, Hanoi

**GABON: Radio Japan** 7125 via Moyabi n/d cd w/ sticker in 22 ds. (Connor-PA). **Radio France International** 4890 via Moyabi f/d cd. w/ site and schedule in 6 wks. for 1 IRC. (Wakisaka-MD).

**GALAPAGOS ISLANDS: HCVGB La Voz de Galapagos** 4810 p/d "Wildlife" cd. in 26 ds. for a SP rpt. and \$1.00. v/s Padre Victor Maldonado, Director. (George-NC). f/d prepared cd. in 60 ds. after a f/up rpt. for \$1.00. C/V #222! This completes SA for me! (Kusalik-ALB).

**GERMAN DEMOCRATIC REPUBLIC: Radio Berlin International** 9730 f/d cd. in 62 ds. (Levison-PA).  
**GERMANY, FEDERAL REPUBLIC OF: VOA Munchen** 3980 f/d cd. in 13 ds. (Wakisaka-MD). same in 18 ds. (Weber-OH).

**GREECE: Voice of America Kavala** 11925 f/d cd. in 18 ds. (Weber-OH).

**GUAM: KSDA** 11980 f/d "Transmitter" cd. w/ schedule and personal ltr. in 46 ds. for \$1.00. (Washburn-ME). 9465 same cd. in 6 wks. for ms. v/s Hannah Liu. Also rcvd. a second cd. via Hong Kong in 2 mo. (Wallace-MA). **KIWR** 11805 f/d "Old Spanish Fort" cd. w/ schedule in 37 ds. for ms. v/s Flora Rittenhouse. Also rcvd. a personal note from Wayne Frost who arrived in Guam a month ago. He was formerly at WHCF, a Christian FM station in Bangor, Maine, 10 miles from me! (Washburn).

**GUATEMALA: La Voz de Nahuala** 3360 p/d personal ltr. in 47 ds. for a SP rpt. and ms. Rcvd. "Festival Folklorico" pennant and stamps. v/s Diego Adrian Guarchaj Ajtzalam, Director de Programacion. (D'Angelo-PA).

**ICELAND: Iceland State Broadcasting Service** 15659 f/d "Thingvellir" cd. in 37 ds. for a taped rpt. and \$1.00. (Washburn-ME).

**INDIA: All India Radio** 3355 via Kurseong p/d ltr. via Delhi in 7 mo. v/s \* Madan Lal, Assistant Director of Engineering. (Kusalik-ALB). 3205 via \* Lucknow f/d "Sikandra Temple" cd. in 22 mo. after a f/up rpt. (Kusalik-ALB).  
**INTERNATIONAL WATERS: World Mission Radio** 6215 via Radio Caroline f/d \* "Church at Night" cd. in 109 ds. for ms. Addr: WMR, Box 346, Corona, CA 91719. (D'Angelo-PA).

**ISRAEL: Kol Israel** 9435 f/d "Skyline" cd. in 56 ds. (Healey-RI).

**JAPAN: Radio Canada International** 15385 via Yamata self-service cd. in 14 ds. (Eckman-CA). 17710 same in 12 ds. (Weber-OH).

**JAVA: RRI Surakarta** 4932 p/d EG cd. in 5 wks. for an \* IN rpt. and ms. (Atkins-AL). **RKPD1 Jawa Timur** 3000 via Surabaya f/d ltr. in 26 ds. w/ staff photo for ms. v/s Walujo Soebagio. (Allen-OK). **RRI Jakarta** 7270 p/d cd. in 40 ds. For an IN rpt. and \$1.00. v/s R. Baskara, Station Manager. (Wilkins-CO). \* **RKPKD Tk2 Lumajang** 3239 f/d ltr. in 34 ds. after a f/up rpt. in IN w/ ms. v/s D. Roebijanto., B.A. (Kusalik-ALB).

**JORDAN: Radio Jordan** 11920 f/d cd. in 3 wks. after a f/up rpt. w/ 1 IRC. (Atkins-AL).

**KATANGA: ORZT Lubumbashi** 7205 f/d prepared cd. w/ f/d \* personal ltr. in 4 mo. for a FR rpt. and \$1.00. v/s Mukalay Mulongo, Le Chef de Service de L'audio-visual & Bebe Besheleum, Le Directeur Regional de L'O.R.Z.T. (Palmerheim-MN).

1938 CINCUENTA AÑOS 1988



XEQ



Q S L

Vérification de Réception  
Radiodiffusion Nationale

la Station B.P. 391, Conakry, République de Guinée

M Richard E. Davis, Portales, New Mexico, USA

Nous avons le plaisir de confirmer votre rapport d'écoute  
du 15 septembre 1987 de 0630 heures

~~4900~~ [Locale] 4900 kHz., 61.22 mètres.

*gourou Harry journaliste  
Sportif BP 734 Conakry  
République de Guinée  
West AFRICA*

KIRGHIZ SSR: Radio Moscow 15535  
via Frunze f/d cd. in 2 mo.

(Eckert-PA). 15140 f/d cd.

in 41 ds. (Eckman-CA).

KOREA, REPUBLIC OF: Radio Korea

15575 f/d "Olympic Stadium"

cd. in 22 ds. (Connor-PA).

KUWAIT: Radio Kuwait 15345 f/d

"Signal Projection Folder/

Station History" cd. w/ pro-

gram guide in 45 ds. (Healey).

LAOS: Lao National Radio 7383

via Savannakhet f/d cd. w/

schedule in 309 ds. (Schulze).

LUXEMBOURG: Radio Luxembourg

6090 f/d "Tower" cd. w/ stick-

er in 27 ds. for 1 IRC. (Conn-

or-PA).

MALAGASY REPUBLIC: Radio Neder-

land 9540 f/d "Soccer Team"

cd. in 15 ds. (Connor-PA).

MALI: Radio Beijing 11715 via

Bamako f/d "Statute" cd. in

40 ds. (Washburn-ME). same in 3 wks. (Huniwell-NJ). 9770 f/d cd. w/ site in 1 mo. (Palm-  
MARSHALL ISLANDS: WSZ0 6070 p/d ltr. in 2 mo. for ms. v/s Peter Boon. ersheim-MN).  
(Atkins-AL). 4940 n/d ltr. in 9 mo. for ms. (Swaringen-NC).

MAURITANIA: ORIM 4845 p/d ltr. in FR in 20 ds. for a FR rpt. and 2 IRCs. v/s Lembrabott

Ouid Boukhary. (Wakisaka-MD). ltr. in 21 ds. for a FR rpt. and ms. (Eckman-CA).

MEXICO: Radio Universidad de Sonora XEUDS 6115 f/d prepared cd. w/ a p/d cd. in 1 1/2 mo. for

a SP rpt. and ms. This after 3 f/up rpts. v/s Almando Moreno G. (Palmerheim-MN).

MOROCCO: RTVM 15335 f/d cd. in 13 wks. for a FR rpt. and 2 IRCs. v/s T. Mohammed Jamal

Eddine. (Atkins-AL)... This more than likely from the Tangier site... Sam.

NEW BRITAIN: Radio West New Britain 3235 p/d ltr. in 262 ds. for ms. v/s Simon Muraga,

Station Manager. (Davis-NM).

NEWFOUNDLAND: CKZN 6160 f/d cd. in 8 ds. w/ AM schedule for ms. v/s R. Knowles. (Weber-OH).

NEW IRELAND: Radio New Ireland 3905 f/d ltr. in 29 ds. for ms. v/s O. Malatana. (Eckman).

NICARAGUA: La Voz de Nicaragua 6100 p/d ltr. in 140 ds. for \$1.00. v/s Freddy Lopez Qui-

roz. (Connor-PA).

NORWAY: Radio Norway International 15310 f/d "Hydrodynamic

Lab" cd. w/ schedule and sticker in 26 ds.

for 2 IRCs. v/s Juling Thokle.

(Brouillette-IL).

OMAN: Radio Oman 9735 f/d folder

cd. in 2 mo. for 2 IRCs. (Atkins).

PAPUA NEW GUINEA: Radio Northern 3345 p/d ltr. w/

p/d "Map" cd. in 45 ds. for \$1.00. v/s Raphael Moiu,

Assistant Station Manager. (Wilkins-CO). Radio West Sepik 3205

\* in 3 1/2 wks. for ms. v/s Leonnie Ramram. (Paszkiwicz-WI). Radio Gulf 3245 p/d ltr.

in 48 ds. for ms. v/s K. Villa, Station Manager. (Rigas-IL). Radio Central 3290 f/d prepared cd. in 48

ds. for ms. v/s K. Villa, Station Manager. (Rigas-IL). Radio Western Highlands 3375

f/d cd. in 3 wks. for ms. v/s Eddie Kenas. (Atkins-AL). Radio East Sepik 3335 f/d "Map"

cd. in 2 mo. for 1 IRC. (Swaringen-NC). Radio Milne Bay 3365 p/d ltr. in 30 ds. v/s

Mau Ilave, Station Manager. (Paszkiwicz-WI). same w/ personal ltr. in 29 ds. for ms.

(Archer-NC).

PERU: Radio Atlantida 4790 f/d

prepared cd. in 1 mo. for a

SP rpt. and \$1.00. v/s Julio

Reategui Trigoso, Director

Gerente. Thanks to station

visit from DXer Dione Blas

Rojas of La Voz de la Selva.

(Allen-OK). Radio del Pacifico

4975 f/d ltr. in 23 ds. for a

SP rpt. v/s J. Petronio Alla-

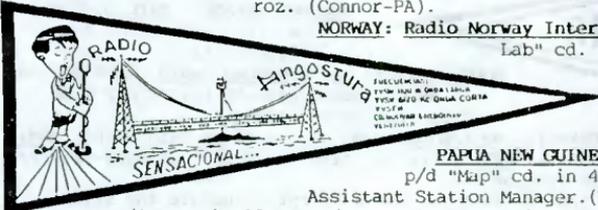
luca. (Huniwell-NJ). La Voz de la

Selva 4825 f/d prepared cd. w/

ltr. in 1 mo. for a SP rpt. and

\$1.00. Station brochure rcvd.

v/s as above noted. (Allen-OK).



"LA VOZ DE LOS CENTAUROS"

Villavicencio - Meta - Colombia

Para: Richard A. D'Angelo

Dirección: 2216 Berkeley Drive

Wyomissing, PA 19610 E.E.U.U.

Gracias por su reporte de nuestra sintonía. Lo hemos verificado y es CORRECTO.

Esperamos seguir colaborando con Ud. correspondencia.

Nos sentimos orgullosos de lograr gracias a nuestra potencia ser escuchados en el mundo entero.

Somos la Emisora del Llano en Colombia

Fraternal saludo.

DE LOS CENTAUROS

Villavicencio  
Juan Carlos Torres Leyva  
GERENTE

**PERU: Radio San Martin** 4810 f/d ltr. in 57 ds. for a SP rpt. and ms. (not used). v/s Jose Roberto Chong, Gerente General. Also rcvd. a very nice station pennant. (Brouillette-IL). **Radio Maranon** 4835 f/d cd. w/ ltr. in 29 ds. after 3 tries for a SP rpt. and ms. v/s Jose Luis P. Maldonado, Director. (Allen-OK).

**POLAND: Radio Polonia** 7270 f/d "Logo" cd. in 64 ds. (Washburn-ME).

**PORTUGAL: Radio Free Afghanistan** 15115 via RFE  
\* **Gloria** f/d "Afghan Map" cd. w/ RFE/RL cd. w/ schedule in 2 wks. v/s J. Sandler, Engineer. (Palmerheim-MN).

**RIO MUNI: Radio Africa** 9552.5 f/d cd. in 10 ds. for ms. They stated that they cannot verify Malabo on 6250 despite at least one report I've seen to the contrary. (Atkins-AL). 9552.3 f/d yellow cd. w/ ltr. in 2 wks. for ms. v/s Savelio Mercado. This was from the CA address. I also rcvd. direct from Malabo address in 2 mo. w/ Malabo station rubber hand stamp on cd. (Wallace-MA). 9555 f/d cd. in 11 ds. for ms. (Weber-OH). 9553 f/d cd. in 12 ds. (Kapinos-MA)...Everyone clear on this?

**SARAWAK: Radio Television Malaysia** 4895 via **Kuching** p/d ltr. w/ stamps and stickers in 34 ds. for \$1.00. v/s Mohd. Fazim b. Ismail, Jurutera Penguasa. Also rcvd. on the same cd. verifications for **Sibu** on 5005 and 6050. (Wilkins-CO).

**SENEGAL: ORTS** 4890 f/d cd. w/ sticker in 48 ds. for a FR rpt. and 2 IRCs. (Wakisaka-MD).  
**SEYCHELLES: Far East Broadcasting Co.** 11870 f/d cd. w/ schedule and sticker in 55 ds. for 3 IRCs. v/s Doreen Dugasse, QSL Secretary. (Weber-OH). yellow "Map" cd. \* w/ schedule in 51 ds. for ms. (Eckman-CA). **BBC Indian Ocean Relay Station** 17885 n/d cd. via London in 1 mo. (Palmerheim-MN). 11750 p/d ltr. in 18 ds. v/s C. Fitzgerald, Engineer. (D'Angelo-PA).



**SOLOMON ISLANDS: SIBC** 9545 f/d cd. in 25 ds. for 2 IRCs. (Connor-PA).

**SOUTH AFRICA: ZSC Capetown Radio** 17018 n/d cd. in 39 ds. (Buer-FL)...Is this their time signal frequency?...Sam.

**SPAIN: Radio Exterior de Espana** 15395 cd. in 87 ds. (Rigas-IL). **Radio Beijing** 11860 via RFE f/d cd. w/ site in 22 ds. (Wakisaka-MD). f/d cd. in 21 ds. (Connor-PA).

**SPANISH MOROCCO: Radio Medi** 1 9575 f/d cd. in 1 yr. for a FR rpt. Schedule and sticker rcvd. (Field-MI).

**SULAWESI: RRI Kendari** 4000.2 n/d ltr. in 30 ds. for an IN rpt. v/s H. Sjabuddin, B.A. (who offered to serve as my guide when I visited the area). (Archer-NC).

**SRI LANKA: SLBC** 15425 n/d "Broadcasting House" cd. in 1 mo. for ms. (Wallace-MA).

**SWEDEN: Radio Sweden** 9695 f/d cd. w/ schedule and stickers in 13 ds. (Healey-RI). f/d "50th Anniversary Logo" cd. w/ sticker in 13 ds. (Topoleski-PA).

**SWITZERLAND: Swiss Radio International** 9885 f/d "Cows on Hill" cd. in 20 ds. (Healey-RI). 9725, 12035, 6135 and 9885 f/d "Letter Box at St. Paul's Gate" cd. in 20 ds. (Topoleski-PA). **Red Cross Broadcasting Service** 9885 f/d cd. in 56 ds. for 1 IRC. (Paszkiwicz-WI).

**TADZHIK SSR: Radio Moscow** 21585 via **Dushanbe** f/d cd. in 48 ds. (Archer-NC).

**TAIWAN: WYFR** 15055 via **Voice of Free China** f/d "Globe" cd. w/ site in 44 ds. for a taped rpt. and ms. (Washburn-ME). (Paszkiwicz-WI).

**TANGIER: RTVM** 17815 f/d cd. in 65 ds. for 2 IRCs.



San Cristóbal, 23 de sep. de 1967

Señor:  
Richard A. D'Angelo  
2216 Burkey Drive  
Myonesing, PA 19610  
E.E. U.U. de A. (UP S. A.)

Distinguido señor:

No permito anunciar recibo de su correspondencia de fecha 12 de Septiembre de 1967.

Noe sencillos muy complacido de que usted haya escuchado nuestra Emisora ECOS DEL TORBES.

Los datos de su reporte de sig. tonia son exótos. Esperamos seguir en contacto.

Lo saludo muy atentamente,

EMISORA ECOS DEL TORBES S.A.



Radio Del Pacifico

400 KC. - 107 MC. TIA. - 4975 Kh. 80 Mc. - 9475 Kh. 31 Mc.

Lima Perú Mayo 16 de 1968

Señor  
Richard A. D'Angelo  
2216 Burkey Drive  
Myonesing, PA 19610  
U.S.A.

Apreciado señor:

Gracias por la comunicación que Ud. nos ha enviado en su carta de fecha 30 de Abril, cuyo detalle de programación es el siguiente:

Hora	01.50 - 02.30 UTC
Frecuencia	9.950 MHz

Noe alegría saber que nuestras señales hayan llegado hasta Ud. y que ha sido identificado como nuestra Emisora. Los saludos del Perú le saluamos y esperamos seguir comunicándonos.

Atentamente

J. Prudencio Triluma  
Ejec. de RA. PP.

**TURKEY: Turkish Meteorologic-  
al Service** 6900 p/d ltr.  
in 60 ds. v/s Dr. M. Cemil  
Ozgul, Director General.  
(Rigas-IL).

**TURKMEN SSR: Radio Moscow**  
17740 f/d cd. in 41 ds.  
(Paszkieicz-WI). f/d cd.  
in 41 ds.(Wilkins-CO).

**UKRAINIAN SSR: Radio Moscow**  
17645 via Starobelsk f/d  
"Railway" cd. in 56 ds.  
(Archer-NC). 21630 f/d cd.  
in 60 ds.(Rigas-IL). 15225  
via Vinnitsa f/d cd. in 56  
ds.(Archer-NC). 7310 via  
Kenga f/d "Friendship Car-  
toon" cd. in 54 ds.(Eckman-  
CA). 9765 and 11750 via  
Lvov f/d "Lenin Library"  
cd. in 41 ds.(Topoleski-PA)  
Radio Kiev 11790 f/d "Pal-  
ace of Culture" cd. w/ pin  
in 90 ds.(Connor-PA).

**URUGUAY: Radio Oriental** 11735

\* f/d ltr. w/ prepared cd. via registered mail in  
240 ds. after a f/up rpt. in SP for ms. v/s Ana  
Ferreira Bonino. Also rcvd. a CX12 pennant.(Wil-  
kins-CO).

**USA: Radio Marti** 11930 via Greenville/VOA f/d cd.  
w/ VOA sticker in 5 wks.(Wakisaka-  
MD). 9525 f/d "Jose Marti" cd. in 1 mo.(Topoleski-PA). **WCSN** 9850 f/d  
cd. in 5 wks. w/ station schedule and various brochures.(Huniwell-NJ).  
**WMLK** 9465 f/d ltr. in 1 mo. v/s Elder Jacob O. Meyer. (Overcamp-SC).  
f/d ltr. in 28 ds. for ms.(Connor-PA). **KGEI** 15280 f/d cd. w/ sticker  
in 34 ds. v/s Jesus C. Elizondo.(Connor-PA). **WRNO** 15420 "DX Club" cd.  
in 106 ds.(Eckman-CA).

**VATICAN: Radio Vatican** 6180 f/d "Chapel" cd. in 1 mo. w/ stickers.(Huniwell)

**VIETNAM: Voice of Vietnam** 15010 f/d cd. w/ small paper pennant in 6 mo.(Topo-  
leski-PA).

**WEST BERLIN: RIAS** 6005 p/d cd. w/ stickers and station history booklet in 6  
wks. for \$1.00. (Atkins-AL).

**WEST IRIAN: RRI Serui** 4607 p/d ltr. in 6 wks. for an IN rpt. and ms. v/s Agus  
Ransai. Letter states 500 watts, not the listed 250. (Atkins-AL).

**YUGOSLAVIA: Radio Yugoslavia** f/d cd. in 2 mo. for 2 IRCs.(Atkins-AL).



Montevideo. 8 de junio de 1988

Sr. Rowland Archer, Jr.

Presente

De nuestra consideración:

nos es grato acusar recibo de su Informe de Recepción de  
fecha 7.2.88, del que hemos tomado debida nota.

Al respecto, le informamos que los datos suministrados en el  
mismo (Fecha: 7.2.88, Hora: 10.30-11.20, Frecuencia 9.595  
kHz son correctos y concuerdan con nuestros registros.

Agradeciendo la amabilidad que ha tenido en escribirnos, lo  
saludamos muy cordialmente.

P. CX 20 RADIO MONTE CARLO

*Ana Ferreira Bonino*

Ana Ferreira Bonino

SPRINGBOK RADIO



I guess this ends another months QSL Column. Best of Seasons Greetings  
to everyone and I sincerely hope that a little something is left under  
the tree for you....Sam.

Radio  
Rumbos

TYLA 375 TYLA 470 TYLA 540  
50/100 Kw. 50/100 Kw. 10 Kw. 10 Kw.

TARJETA POSTAL



RICHARD A. ARCHER

2216 BURKE DRIVE

WYOMISSING, PA 19380  
U. S. A.

*Sam*

This is to confirm your report on 1970 QSL  
on 12-9 19.81 AT 0318-0105 GMT  
Radio Rumbos is the head of a National Net-  
work formed by more than 15 stations across  
the country. It is located in the capital city of  
Caracas. A city of 3 million hab, 2950 Ft. Above  
the sea level, year round temp. 74°F. Called the  
city of eternal spring. R. Rumbos has been first  
in National Audience for many years as well as  
the network. All our programs are in Spanish  
and we cover sports, news, music and  
to complete's 24 hours. We have the  
commercial tower in Latinoamérica 900 Ft.  
720X Best Wishes

Greetings and welcome to the December, 1988 Contributors' Page. The following folks helped make this issue of FRENEX possible:

Reinaldo ABRAHANTE, Miami, FL: Panasonic RF-2200

Brian ALEXANDER, Mechanicsburg, PA

Kirk ALLEN, Newkirk, OK: JRC NRD 515

John ANYWODI, Lexington, VA

Rowland ARCHER, Raleigh, NC

Levin ATKINS, Pinson, AL

John BARBATO, Hoboken, NJ

Richard COOPER, Waterbury, CT: Panasonic RF 2200; Sony ICF 2010

Richard D'ANGELO, Wyomissing, PA

Peter DILLON, serving America in Greece: Radio Shack DX-400

Rev. John C. ECKERT, Collegeville, PA:

Richard ECKMAN, San Jose, CA: Panasonic RF-4900; Sony ICF 2010

C. Veron HYSON, Charlotte, NC: JRC NRD 525

Rufus JORDAN, Pittsburgh, PA: Radio Shack DX-302

Daniel LAKE, Englewood, NJ

Tom LASKOWSKI, South Bend, IN

Harold LEVISON, Philadelphia, PA: Icom R-70

William MAYER, Allentown, PA: Kenwood TS 430S

Dale PARK, Honolulu, HI: Sony ICF 6700W; Sangean ATS 803

Sheryl PASZKIEWICZ, Manitowoc, WI: JRC NRD 515

John PRATH, Ft. Lauderdale, FL: Icom R 71A; JRC NRD 525

Christos RIGAS, Chicago, IL: Kenwood R 2000; Sony ICF 2002

Daniel SAMPSON, Independence, WI: Yaesu FRG 7700; Kenwood R 1000

Dan SHEEDY, Encinitas, CA: Icom R 70

Charles STRAWLEY, Mount Holly, NJ: Grundig Satellit 650

David SWARINGEN, Huntersville, NC: Icom R 70; Yaesu RFG 7700

Ron TROTTO, St. Cloud, FL

John TUCHSCHERER, Neenah, WI: Icom R-70; Yaesu FRG-7700

Dr. Richard WOOD, Hilo, HI: Kenwood R-1000; Drake SPR-4

and me, John M. Kapinos, Shrewsbury, MA: with nothing funny to say this month..

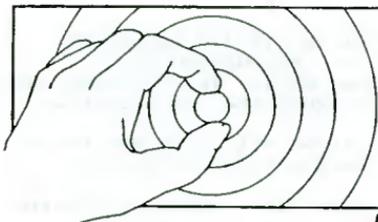
\*\*\* kap's comments\*\*\*

To those who noticed the missing Awards Page last month, rest assured that it was submitted on time along with the page. Unfortunately, 1 Editor chose to go over his page allocation to tell us what he honestly feels to be important and thus 2 pages had to be cut, oh the unkindest cuts of all, the Awards Page and Dr. DX. Not often that Dr DX and ye olde kap are in the same boat.

To all a Merry Christmas and Happy Chanukah as well as out wishes for a most prosperous and Happy 1989.

Till next month.

*Best, Kap* 11/22/88 Page 28



# LOG REPORT

## section A

### 2000 to 4899 kHz

Editor: Mike Harris, P.O. Box 294, Pickerington, OH 43147

Once again, a good turn-out this month. Stay tuned for info about the 1st annual Log Report A contest--at the end of this column.....

- 1620 USA. WENJ(PIRATE). 0520-0610. EE. Requesting phone calls, gave Hilo address. (30/10 Alexander-PA)
- 3205 PAPUA NEW GUINEA. R. West Sepik. 1136-1149. Singing and comment in pidgin. (8/10 Hyson)
- 3215 INDONESIA. RRI Manado. 1055-1140. OM anncr w/talk. (16/10 Archer-NC)
- 3225 VENEZUELA. R. Occidente. 0954-1010. NA, S/on ID (7/10 D'Angelo-PA); @ 1001-1041 w/ S/on routine. (29/10 Archer-NC)
- 3245 PAPUA NEW GUINEA. R. Gulf. 1119-1136. Alternating music and talk, w/ male and female anncr. (7/10 Hyson)
- 3260 PAPUA NEW GUINEA. R. Madang. 1120-1133. Music. (22/9 Hyson)
- 3266 INDONESIA. RRI Gorontalo. 1150. Local music, ID. (19/10 Atkins-AL)
- 3275 PAPUA NEW GUINEA. R. Southern Highlands. 1131-1200. Pop and country tunes, ID's, choral music. (3/10 Paszkiewicz-WI)
- 3306t INDONESIA. RRI Dili. 1139-1140. Talk, no ID. (17/10 Archer-NC)
- 3315 PAPUA NEW GUINEA. R. Manus. 1118-1141. Talk, ID. (5/10 Hyson)
- 3325 PAPUA NEW GUINEA. R. North Solomans. 1142-1155. Music, ID, talk by OM anncr, then more music. (5/10 Hyson)
- 3335 PAPUA NEW GUINEA. R. East Sepik. 1146. Talk, music, no ID noted so I'll list this one as tent. (4/10 Laskowski-IN); 1057-1116 w/ music and talk. (5/10 Hyson)
- 3340 PERU. R. Altura. 1038-1053. Huyanos, TC's. (7/11 Atkins-AL)
- 3360 GUATEMALA. LV de Nahuala. 0301-0305. OM w/ talk, marimba mx, ID and S/off anmt. (11/10 D'Angelo-PA)
- 3365 PAPUA NEW GUINEA. R. Milne Bay. 1123-1200. Choral mx, ID, mention of NBC, news. (4/10 Paszkiewicz-WI)
- 3375 BRASIL. RN Sao Gabriel Cachoei. 0953-1020. Romantic pops, mixing up w/ some PNG stations in the mornings. (7/10 Archer-NC)
- PAPUA NEW GUINEA. R. Western Highlands. 1053-1107. (7/10 Hyson)
- 3380 GUATEMALA. R. Chortis. 1056-1115. S/on w/anmts. (11/10 D'Angelo-PA)
- 3385 INDONESIA. RRI Kupang. 1205-1250. Jakarta relay. (22/10 Paszkiewicz); @ 1141-1153 w/ kids reciting in unison. (15/10 Atkins-AL)
- 3395 PAPUA NEW GUINEA. R. Eastern Highlands. 1130. OM w/ talk about various schools, ID. (5/10 Laskowski-IN)
- 3580 INDONESIA. UNID. Briefly audible 1149-1200 w/ OM talk and occ. music. Music bridge and ment. "Indonesia...Asahan". No SCI and faded before I could check for // 's. RPD12 Asahan listed near here though no report recently. (16/10 Atkins-AL)
- 3905 PAPUA NEW GUINEA. 1104-1112. EE news by OM w/ID. (6/10 D'Angelo-PA)
- 3960 INDONESIA. RRI Palu. 1100-1111. OM w/ talk. (11/10 Archer-NC)
- 4238 PERU. R. Inca. 0936-1006. Folk music, ID, talk. (29/10 Archer-NC)
- 4725 BURMA. BBS. 1245. Local music, ID. (3/11 Rigas-IL)
- 4760 LIBERIA. ELWA. 2203-2215. BBC news relay. (30/10 Swaringen-NC)
- 4773 CUBA. R. Moskow via Habana. 0330-0430. Russian talk. (20/10 Jordan)
- 4775 PERU. R. Tarma. 1029-1040. Light pops and folk mx. (7/10 Archer-NC)
- 4800 ECUADOR. R. Popular. 1026-1051. OM w/ talk about pgm's, ID, TC by OM, into ad strings. (13/10 D'Angelo-PA)
- 4815 BURKINA-FASO. RB. 2226-2233. African music with FF ID, abrupt close or breakdown. (24/10 Tuchacherer-WI)
- 4821 PERU. R. Atahualpa. 0912-0945. Huaynos, anmts. (6/11 Alexander-PA)
- 4824 PERU. LV del Selva. 1015-1035. ID, Andean mx. (5/11 Swaringen-NC)
- 4825 BRASIL. R. Educadora. 0840-0905. EZL music, ID. (8/10 Alexander-Pf)
- 4835 GUATEMALA. R. Tezulutlan. 1106-1131. Local music, talk. (6/11 Eckert)
- 4845 GUATEMALA. R. Kekchi. 1005-1102. Music ID S/on, OM-YL vocals, short talk. (26/10 D'Angelo-PA)

INDONESIA. RRI Ambon. 1137-1138. Full local ID. (17/10 Archer-NC)  
 4860 INDIA. AIR Delhi. 1352-1402. ID, talk. (22/10 Sheedy-CA)  
 4865 COLOMBIA. LV del Cinaruco. 0909. NA, opening anmts. (29/10 Alexander)  
 4875 CHINA. PBS. 1156-1216. Nice CH music, ID @ 1200, then OM and YL w/  
 talk pgm. (7/11 Atkins-AL)  
 4889 ECUADOR. R. Centinela del Sur. 0137-0159. ID w/ mix of US and Latin  
 pop's. (11/10 Archer-NC); @ 0035-0130 w/ mostly talk and mix of  
 romantic ballads. (23/10 Jordan-PA)  
 4895 COLOMBIA. LV del Rio Arauca. 2340. 0220. Talk, ID. (20/10 Jordan-PA)

### STATIONS IN TIME ORDER

0035 Cinaruco(COL)	4865	1057 Sarong(IND)	4874
0043 Pakistan(PAK)	4880	1058 Manokwari(IND)	3986
0200 Nahuala(GUA)	3360	1100 Tezulutlan(GUA)	4835
0215 Rio Arauca(COL)	4895	1103 Madang(IND)	3260
0216 Orion(RSA)	3955	1116 Ternate(IND)	3345
0240 Manaus(BRA)	4845	1117 Serui(IND)	4607
0308 Kenya(KENYA)	4934	1130 W. Highland(PNG)	3375
0310 San'a(YEMEN)	4853	1201 SOLOMAN IS>	3325
0320 Clube Para(BRA)	4885	1203 Jawa Timur(IND)	3204
0330 Nueva Amer(BOL)	4795	1239 KBS(KOREA)	3930
0430 Luanda(ANGOLA)	3376	1246 Tanjung(IND)	3395
0502 Capital(VEN)	4850	1300 Ban Jar(IND)	3249
0508 GHANA	3366	1329 Bukitt(IND)	3231
0512 BELIZE		1350 BBS(BURMA)	472b
0536 Reloj(COR)	4832	1532 PAKISTAN	4780
0853 Paz Bien(ECU)	4820	1600 THAILAND	4830
0907 San Miguel(BOL)	3310	1745 Kabul(USSR)	4740
0918 Atahualpa(PERU)	4822	1805 Buaa(CAMEROON)	3970
0922 Boa Vista(BRA)	4875	1820 MOCAMBIQUE	4855
0922 Inca(PERU)	4238	2101 MONGOLIA	4896
0925 VL8K(AUS)	2485	2106 RTVB(BURKINA)	4815
0957 Kekchi(GUA)	4845	2155 MALAYSIA	4896
1004 Altura(PERU)	3339	2205 Hanoi(VIETNAM)	4895
1012 Napo(ECUADOR)	3280	2224 ELWA(LIBERIA)	4760
1015 Selva(PERU)	4825	2241 Kara(TOGO)	3222
1025 Sicuari(PERU)	4826	2242 Luanda(ANGOLA)	3354
1026 Maya(GUA)	2360	2251 BBC(SINGAPORE)	3915
1031 Moderna(PERU)	4299	2255 Lagos(NIGERIA)	3326
1038 N. Brit.(PNG)	3385	2259 Padang(IND)	4002
1039 Western(PNG)	3305	2313 Cancao(BRASIL)	4825
1044 Ambon(IND)	4845	2316 Sao Carlos(BRA)	2420
1044 Ujung(IND)	4753	2319 Oito Sept(BRA)	2490
1045 W. Sepik(PNG)	3205		
1054 Heilong'g(CHI)	4840		

This months TIME ORDER is left-over from last month when there was no room for this comprehensive listing. Now, onto the contest info....

Since propagation has picked up this season and Asia seems to be a favourite DX target of many, for the person who reports the most number of stations from Asia (Asia being defined as any station appearing in the Asian section of the World Radio TV Handbook) to your Log Report A Editor, your membership in NASWA will be extended for one year by your Log A Editor. This contest is open to all NASWA members. The contest period starts with loggings for the January issue and ends with loggings for the April issue. In case of a tie, the winner will be selected by my wife--who is impartial because she hates everything that has to do with radio!!!

73 until next month and congratulations to NASWA's newest "Ham", John Kapinos, KA1SP0!!!!!!

MERRY CHRISTMAS !!!!



# LOG REPORT

## section B

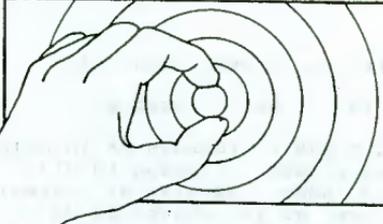
4900 to 6199 kHz

Editor: Sheryl Paszkiewicz, 1015 Green St., Manitowoc, WI 54220-6231

- 4902t JAVA, RRI Jakarta, 10/22, 1415-1431. Pgm Nasional, Islamic vcls, nx, much ute QRM. Tnx Allen tip. (Sheedy-CA)
- 4904.5 CHAD, R. Nationale, 10/26, 2141-2200\* w/Afr. mx, strong percussion, "Au Revoir," chorus to close. (Tuchscherer-WI)
- 4905 BRAZIL, R. Araguaia, 10/8, 0205-0245 w/reverb ID & FC, non-descript pops, QRM way down for a change. (Archer-NC)  
10/7, 0243-0259\* w/romantic vcls, soft tlk, ID 0258, no anthem, carrier cut 0301. (D'Angelo-PA)
- 4910.4 HONDURAS, LV Mosquitia, 10/17, 0240 in EG w/rel., slow rel mx, "IRXX, La Voz Evangelica Mosquitia," more mx. (Laskowski-IN)
- 4910.7 PERU, R. Tawantinsuyo, 10/10, 0954-1028, sev. IDs, "R. Tawantinsuyo, 40 anos," OA mx, promo for nx, ment. Cusco, Macchu Picchu. (Archer-NC)
- 4915 GHANA, GBC, 10/30, 2255-2303\* in vern/EG, church sce, annmcs, s/off. (Swaringen-NC)
- 4915.2 COLOMBIA, Armonias Caqueta, 10/20, 1038-1106 w/solid reception, rel. tlk, mx, TCs, "en Florencia. Armonias Caqueta," 1108 fade. (Archer-NC)
- 4920 ECUADOR, R. Quito, 10/30, 0430-0500\* w/pop mx like Miami Sound Machine, annmcs, ID but no NA at s/off. (Alexander-PA)
- 4926t RIO MUNI, RN, 10/11, 2221-2250 w/long speech, ment. Nacional, vcls, tlk, poss. Independence Day pgm? (D'Angelo-PA)
- 4934 KENYA, VoK, 10/20, 0228-0300, pops, C&W, 0300 "This is the Voice of Kenya, Nairobi," EG nx. (Atkins-AL) Kevin--no Thailand here yet. Unable to get your number so couldn't return yr call, but thanks anyway--sp.
- 4940 CHINA, Qinghai PBS, 10/22, 1405. 1410-"Qinghai Guangbo Dientai," Yakuts QRM. Qinghai //6260. (Sheedy-CA)
- 4940 UKRAINE, Kiev pres., 10/29, 0505-0520 in RS w/EZL mx, IS 0514, tlk, //6020. (Alexander-PA)
- 4955 BRAZIL, R. Marajoara, 10/2, 0225-0301\* Strong & clr sig, Bras. pops, tlk, ID, s/off annmcs w/movie themes, no NA. (D'Angelo-PA)
- 4965 BRAZIL, R. Alvorada, 10/30, 0912-0944 w/slow pops, reverb ID & FC. Fading 0940. (Archer-NC)
- 4975.1 COLOMBIA, Ondas del Ortegaaza, 10/18, 1010-1039 w/full ID ment. freq., network. NA, slogan, "Amanacer Campesino" pgm. (Archer-NC)
- 4976 UGANDA, R. Uganda, 10/20, 0315 w/reggae, ID in lang 0330, TC. Fair sig. (Atkins-AL)
- 4990.6 PERU, R. Ancash, 10/16, 1004-1102, OA mx, "R. Ancash, la voz de amistad int'l transmitiendo desde Huaraz. . ." TCs. Exc. (Allen-OK)
- 5003.7 RIO MUNI, RN, 10/30, 2145-2201\* w/mx, ID, NA. (Swaringen-NC)
- 5015 EUROPEAN RSFSR, Arkhangelsk pres, 10/29, 0550 in RS w/EZL mx, Mayak IS 0559. (Alexander-PA)
- 5030 COSTA RICA, R. Impacto, 10/30, 0625 w/pops/ballads, ID, annmcs, //6150. (Alexander-PA)
- 5030.5 PERU, R. Los Andes, 11/6, 0845 w/mx, tlk, ID. (Alexander-PA)  
10/10, 1036, SIO=444. Nice ID, request pgm, ads, "Buenos Dias Peru y America" pgm. 1112 Impacto buried 'em. (Archer-NC)
- 5040 ECUADOR, LV del Upano, 10/18, 0255-0308\* w/long s/off, 2 NAs, 2 annmt strings, ID, FC, //5964v. (Jordan-PA)
- 5055 FRENCH GUIANA, RFO Cayenne, 10/12, 0101 w/nx, FR songs, Afr. mx, over R. Catolica at 0130. (Tuchscherer-WI)
- 5059 PERU, R. Lircay, 10/29, 0150-0308\* w/muddy audio but 0234 ID, OA NA, had lots of ads, pops, no folklorica. (Archer-NC)
- 5500.8t IRIAN JAYA, RRI Biak, 10/2, 1145 w/SCI, no Jak relay, into mx 1220, then fade. (Laskowski-IN) Tom also hrd them 10/3 & 5.
- 5889.1 CLANDESTINE, R. Liberacion, 10/23, 0205-0257\* w/tlk, ID. (Alexander)
- 5905 USSR, Peace & Progress, 10/10, 2228 in EG w/end of pgm, s/off, IS, into GG 2230. (Prath-FL)
- 5955.1 PERU, R. Huancayo, 10/16, 0928 w/mucho IDs, TC, soulful LA pops, WYFR splash de 5950. (Archer-NC) Some nice logs, Rowlandi--sp.
- 5955 PHILIPPINES, VOA Tinang, 10/22, 1340 w/EG lessons, etc. (Sheedy)
- 5960 CANADA, R. Japan via Sackville, 10/13, 0115 w/cmtry, mx, etc. Good sig. (Abrahante) Tnx for the logs!--sp.

- 5965 EAST GERMANY, RBI, 10/29, 0607 in EG w/"Panorama," IDs (Sheedy)
- 5973.1 PERU, R. Melodia, 10/19, 0827. Here ex-5995v. Best before Macarena s/on 5975. "Musica de la patria." (Allen-OK)
- 5980 YUGOSLAVIA, RY, 10/24, 0100 w/EG to NAm, nx, tlk abt politics. (Jordan-PA)
- 5985 USA, VOFC via WYFR, 10/13, 0302 w/nx, features. (Levison-PA)
- 5985 USA, VOA Delano, 11/2, 1030 in EG w/VOA Magazine. (Park-HI)
- 5990 ROMANIA, RB, 10/13, 0216 in EG w/letters pgm, SIO=333. (Levison)
- 6000 ECUADOR, LV del Upano, 10/1, 1050, full ID, anthem type mx, rel mx, tlk, SIO=333. (Trotto-FL)
- 6010 BRAZIL, R. Inconfidencia, 10/2, 2325 w/much tlk, IDs, mx bridges btwn nx items. (D'Angelo-PA) 10/29, 2335 w/ZY pops, ID, promo, addr PT babble, TC. Fair sig. (Sheedy-CA)
- 6010.6 VENEZUELA, 10/9, 0217 w/sev "Mil Cuarenta" IDs, no Los Andes ID, hrd "R. Mil Cuarenta," "en Merida." Tnx Alan Laves via FT (Archer)
- 6020 BONAIRE, R. Nederland relay, 11/10, 1042 w/features, under R. Moscow. (Park-HI) 11/8, 1030 w/nx, features. (Cooper-CT)
- 6020 MEXICO, XEUW Veracruz, 10/10, 1129\*-1201, full s/on annmt, slogans, slick production. rpt of s/on at 1200, TCs. (Archer-NC)
- 6025 DOMINICAN REPUBLIC, R. Amanacer, 10/22, 0240-0303\* w/rel, IDs, s/off w/NA. (Alexander-PA) 10/30, 1200 w/many IDs, mixing w/poss. Malaysia, fair sig. (Archer-NC)
- 6030t CYPRUS, CBC, 10/16, 2215\*-2230 in poss. GK, IS, ID, mx, QRN. ID tentative. (Mayer-PA)
- 6030 PHILIPPINES, VOA Tinang, 10/22, 1355 w/pgm review,, nx. (Sheedy)
- 6035.1 CHINA, Yunnan PBS, 10/20, 1154 w/ID by W, tlk, trad CH mx. (Allen)
- 6055 CZECHOSLOVAKIA, RP, 10/8, 2209 in EG w/nx, pop mx. (Prath-FL)
- 6070 BULGARIA, R. Sofia, 10/8, 2100\* in FR w/IS, ID, nx. (Prath-FL)
- 6085 WEST GERMANY, Bayerischer R., 10/30, 0215 in GG w/pop mx, 0220 ID, annmts. (Mayer-PA)
- 6087 TAIWAN, Central BS, 10/22, 1256 in CH w/tlk by W, time pips, ID 1300, nx. (Rigas-IL) Nice log! Hi Chris!--sp.
- 6090 LIBERIA, ELBC, 10/28, 2257, reggae, TC, actualities, surprised to hr in afternoon. Also 2355 o/Bandeirantes. (Sheedy-CA)
- 6090 LUXEMBOURG, RTL, 10/31, 2320 in EG w/pops, phone calls. (Swaringen)
- 6110 HUNGARY, RB, 10/19, 2300 in SP w/ID, nx. //11910, 9835. (Prath)
- 6110 PHILIPPINES, VOA relay, 10/1, 1130, EG w/Press Conf USA. (Trotto) 11/5, 1733 in EG w/political tlk, poor sig. (Park-HI)
- 6115 EAST GERMANY, RBI, 10/24, 0614 w/ID, cmtry. (Trotto-FL)
- 6120 CANADA, R. Japan relay, 11/8, 1100 in EG w/world nx. (Cooper-CT)
- 6120.5 NICARAGUA, R. Zinica, 10/9, 0300 w/best sig ever, slick prod., IDs, La Bamba, etc. (Archer-NC)
- 6125 EAST GERMANY, RBI, 10/29, 2215 in EG w/tlk abt Warsaw Pact, NATO, (Prath-FL)
- 6134.8 BOLIVIA, R. Santa Cruz, 10/30, 0005-0058\* w/tlk abt centro juvenil Sn. Rafael, "Tema de Refleccion," addr. (Sheedy-CA) 10/22, 0935, w/IDs, Andean mx, ment. "Instituto Nacional de ?? Asociacion" Faded by 1000. (Archer-NC)
- 6135 BRAZIL, R. Aparecida, 10/22, 0005 w/ID, promo. (Sheedy-CA)
- 6150 ALASKA, KNLS, 10/31, 1050 in JP w/mx, ID, 1100 s/off. (Anywodi-VA)
- 6155 BOLIVIA, R. Fides pres, 10/30, 0102-0135 f/o. "Juventud Boliviana en Fiesta," bank ad, live audio w/breaks. (Sheedy-CA)
- 6160 CANADA, CKZN, 10/5, 0831 w/regional nx, ID, mx. (Trotto-FL) Oops-I should've listed this as Newfoundland--sp.
- 6165 UNID, VOA site unknown, poss. Philippines? 11/10 at 1000. (Park)
- 6180 CYPRUS, BBC relay, 10/5, 1700 in EG w/nx, cmtry. (Dillon-GREECE)
- 6180 BONAIRE, TWR, 10/9, 0145 in SP w/rel pgm, good sig. (Abrahante)
- 6190 SWITZERLAND, SRI, 11/5, 2234 w/nx, features. (Mayer-PA) 10/24, 2240 w/tlk abt Hussein-Arafat meeting. (Prath-FL)

Sorry for any editing but sometimes is necessary due to space limitations. Very Happy Holidays to all and God Bless. *Shany*



# LOG REPORT

## section C

6200 to 11699 kHz

Editor: Jerry Irvine, Box 5204, Hidalgo, TX 78557

- 8045 PERU R.Santa Rosa 1032-1050 SP vocal mx w/om ancr, freq, ID's, TC's (Atkins-AL 10/26)
- 6215 PIRATE-INTERNATIONAL WATERS R.Caroline 0404-0501 EG Pop, Rock mx w/BR accented ancr/DJ w/ID's, "World Missionary Radio", add ress given:Box 3416, Carona, CA 91719; (Jordan-PA 11/2) / 0600 -0638 EG rel tk,mx, bi-lingual ancmts. Holland address. WMR jingles; (Alexander-PA 10/8)
- 6667 CLAND LV de ALPHA 66 0010-0230 tk by om & yl, ID, (Jordan-PA)
- 7110 MALI RTVM 0706-0728 FR mx, military march, ID,tk, ment of Bamako. Lcl mx // 11960, 7284.9 (Alexander-PA 11/6)
- 7125 ITALY AWR-FORLI 730-0801\* EG IS, multi-lingual ID's. "Update" nx pgm, Mailbag. s/off w/add,freq. change to 7257 (Alexander-PA)
- 7180 HONG KONG BBC 0931 EG pgm details, financialnx, ID, sports, 'English by Radio', SIO-343 (Sampson-WI 10/8)
- 7199.8 SOMALIA RM 2045-2100\* SOMALI pres. tk, AR mx, NA; (Alexander-PA)
- 7250 VATICAN VR #2050 EG IL, yl tk, QRM, SIO-343; (Trotto-FL 10/9)
- 7257.8 ITALY AWR-Forli #0802 EG? best at s/on. IS, multi-lingual ID's. pgm in unid lang. QRM,QRM; (Alexander-PA 11/5)
- 7260 GERMANY,DR RBI 2114 FR om w/ID, freq,into SP; (Trotto-FL 10/9)
- 7270 OMAN R.Oman 0203-0233 AR Holy Q'ran, usb /QRM; (Tuchscherer-WI)
- 7285 GERMANY,FR DW 2130-2235 EG+ tk, IS; (Jordan-PA 10/11)
- 7290 HONG KONG RTVHK 1140-1200 Vietnamese US/Asian pops, tk by om/yl (Atkins-AL 11/4)
- 7405nf USA WHRI 0443 EG Christian mx w/om ancing, requests (Park-HI)
- 7414.8 PIRATE V of the Gulf EG? 0313-0318\* EZ vol mx, om ancr w/ID, cments on activities in Ireland; (Allen 10/31) Logging your 72nd Pirate is certainly an outstanding achievement. Congrats! je.
- 7415 PIRATE R.Free Willy 0109 EG DJ's Omar & Abdul playedpop mx. Randy Newman, Bob Marley), comedy skits;g.signal;(Regis-IL) 208-302 pgm hosted by "The Old Man" & Abdul.Rake-off on politics and money.g. (Allen 10/30) // Ad, parodies, ID's, folk mx. radio drama. g.signal; (Alexander-PA 10/30)
- 7415.4 PIRATE US WRFT0330-0401\* EG Rock mx by '10 Years After & Cream. "WRFT , The No.American Service of Radio Free Texas"ID (Rigas)
- 7445 TAIWAN V o Asia 1102-1132 EG nx by yl, mx bridge, nx cntry, om w/ID. SIO-242;(D'Angelo-PA 10/10 / 1135-1200 EG ID's, opera,addr [Tnx Donna Robinson tip] Paszkiewicz-WI 10/15)
- 7475 TUNISIA RTT #0429-0530 AR om w/prayers, vocal & instr mx, ID, nx, ment of Iraq; (Jordan-PA 10/12)
- 7492.8 SIBERIA RMWS Birobidzhan 1726 EG yl singing, ID, rpt. //5920 ute QRM; (Park-HI 11/5)
- 9240 USA USA 0007-0029 EG nx by om (Jordan-PA 10/27)
- 9420 GREECE VoG 0130-0140 EG nx g. (Strawley 10/29)
- 9435 SUDAN Nat'l Unity R. 1408-1451 EG/AR m tk, mx and crowd chants, tk, g. (Archer-NC 10/29)
- 9445 TURKEY VoT 1310-1333 TURK Olympic coverage //11960 g. (Dillon)
- 9470 USSR RM-Mayak rel. 1355-1410 RS classical mx, yl ancr, IS, TP's, wld nx, ID, chorel mx. f: Dillon-Greece 10/2)
- 9480 ALBANIA RT 1410-1425 FR NX,MX, ID, VG; (DILLON-GREECE 10/2)
- 9489.8 TIBET LHASA 1120-1130 LANG? USfolk mx, om/yl tk, CH pops, S+1 pips. Clear of Soviets.(Atkins-AL 10/26)
- 9480 ALBANIA RT 2250-2300 EG tk abt archaeological finds, mx, g.sig but QRM (Mayer-PA 10/29)
- 9490 USSR RM 2245-2250 FR ID, tk by yl, f-g, w/QSR; (Mayer-PA 10/29)
- 9495 N.MARIANNA IS. KFBS-Saipan 1155 Mandarin yl tk, mx, ID, tk by om. SIO-333 (Trotto-FL 10/21) / 1425-1500 CH rel type drama, mx, ID by yl.f. (Dillon-Greece 10/2)

9495 PHILIPPINES FEBC 1426-1500\* Lang? mx, tk, drama, hymn. vg.  
(Tuchscherer-WI 10/24)

9495 USA WCSN 2330-2345 EG pgm preview, ID, nx by om, sked.g.  
(Mayer-PA)

9515 IRAQ RB 0105-0120EG y1 ancr w/nx, QRM,QRN f. (Jordan-PA 10/30)/  
\*0100-0255\* y1 ancr w/nx. ID, pauses present. (Jordan 10/31)/  
0250-0255\* y1 w/closing ancmts, sked, addr., martial mx (Mayer)

9535 NETH.ANTILLES TWR 0302-0313 SP rel pgm. g. (Abrahante 10/9)

9535 SWITZERLAND SRI 1858-1915 GM/IT mx, ID inGM, TP's, ID, wld nx in  
IT. g. (Dillon-GREECE 10/4)

9540 VENEZUELA R.Nac. 0257 SP ID's, pop-like mx, history pgm, addr.  
g. w/slight hum; (Eckman-CA 10/12) / 1059-1135 IS onpiano-like  
instr.,s/on, ID,tk, sked, e. (Archer-NC 10/30) / 1108-1120 om  
tk, ID, tk by 2 om. SIO-343. (D'Angelo-PA 10/18)

9545 GERMANY\_FR DW 1915-1930 AR mx, tc, ID, wld nx by om, ID, tk.  
vg. (Dillon-Greece 10/4)

9555 USA WYFR ID, rel tk, mx, (Jordan-PA 10/25)

9565 GERMANY\_FR DW 0100-0150 EG nx, cmtry on economy. f. (Abrahante)

9575 ITALY RAI 0100-0120 EG nx. f. (Strawley 10/29)

9580 AUSTRALIA RA 1045 EG country mx pgm w/Eric Scott. (Cooper-CT)

9590 SEYCHELLES FEBA 1557-1610 EG promo, nx, ID, nx. f. (Sheedy-CA)

9610 AUSTRALIA ABC-VLW9-Perth(Wanneroo) 1142-1205 EG variety of mx,  
nx. f. (Strawley 10/27)

9615 SO. AFRICA RSA 0234 EG cmtry on var.of items. SIO-555 (LEVISON)

9618 Mozambique R. Maputo 1757 EG Bahamian-like IS,drums,PT/EG ID's  
nx. QRM 9615, het, QSB. (Park-HI 10/31)

9620 YUGOSLAVIA RY 0010-0029\* SP/EG tks,mx-pres. Yugo folk, ID by y1  
IS, p. (Jordan-PA 10/23) /0100 EG var of cmtry, SIO-433 Levison  
PA 10/19 / 2358 Lang? IS, ID by om/y1. SIO-333 Sampson-WI 10/23

9655 NETH ANTILLES TWR 1040-1045 SP wld nx, (Swaringen-NC 11/5)

9622 UNID 0355-0412 AR? Islamic-type mx, Q'ran.QRM p. help! (Allen)

9630 SPAIN SFR 0521? EG press rev, wx, nx, cmtry. (Copoper-CT 10/12)

9635 PORTUGAL RdP-Lisbon 2340 PT sports, ID, interview f. (Sheedy)

9640 ANTIGUA BBCWS 0730 EG comedy pgm, QRM RM. (Park-HI 10/20)

9640 USSR R.Kiev 0030-0100 EG IS, ID nx by y1, cmtry. g. (Mayer-PA)

9645 AUSTRALIA RA 'Top 10' mx, ID, // 11705 g. (Sheedy-CA 10/23)

9645 COSTA RICA Faro del Caribe 1204 SP TC by om, ID/y1, rel tk,  
mx. //5055, 67175. (Prath-FL 10/15)

9655 THAILAND RT 1118-1150 EG ID by om, freq, chimes, QRM (Allen)

9660 YUGOSLAVIA RY 2213-2230 EG cmtry, ID's, mx, tk//9620 (Mayer-PA)  
/ 0048-0107 FR/EG nx by y1,EG sked, //5980 (Tuchscherer-WI  
/ 0101 EG nx, cmtry, faint jamming. SIO-232 (Sampson-WI 10/28)

9660 PHILIPPINES VOA 1441 CH cmtry.SIO-242. (Anywodi-VA 10/30)

9670 NO.MARIANA IS. KFBS 1445 Lang? pres. rel tk by om, mx, EG ID,  
SIO-242. (Anywodi-VA 10/30)

9740 SINGAPORE BBCWS 1037 EG satire of last month's nx. QRM (PARK-HI)

9755 CANADA RCI 2320-2330 EG SWL-Digest. (Swaringen-NC 10/30)

9765 MALTA V of the Mediterranean 0600-0638 'Nice & Easy 45' pop  
mx and mailbag pgm. addr. (Allen 10/17) / also reported by:  
Eckman-CA, D'Angelo-PA, Paszkiewicz-WI;

9835 HUNGARY RB 0208 EG cmtry SIO-333 (Levison-PA 10/15)

9825 USSR RM 2135-2200 EG orch/classical mx w/y1 ancr, ID (Mayer-PA)

9840 USA-ALASKA KNLS 0706 RS/EG y1 w/ID, EG lang lesson, ID (Trotto)

9850 NEW ZEALAND RNZ 1000-1045 EG nx, wx, 'Big Band' mx, ID (Elkert)  
also reported by: Sampson-WI, Swaringen-NC, Trotto-FL

9895 NETHERLANDS RN 2230-2330 SP 'Happy Station'. (Abrahante)

9900 EGYPT R.Cairo 1908-1920 GM nx by y1, ID, nx, tk.g. (Mayer-PA)

9905 ASIATIC-USSR RSFSR 1215 RS pop mx, USB, listed as Sibirtsevo  
(15 Kw) in Passport to WBR. (Rigas-IL)

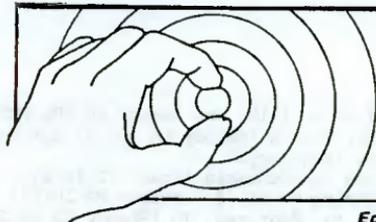
9009 ISRAEL KI 2230 EG nx, tk, (Prath-FL 10/15)

11000 CHINA.REP Taiwan 2 1115 CH mx, tk byom & y1. // 9170 (Prath-FL)

11040 CHINA CPBS 1110 CH mx, tk mx. (Prath-FL 10/5)

11505 QUEA? RHC (via??) 2320-2330 Guarani om tk, mx,IS, ID, listed as  
CPBS2 ?? QRM CPBS2 g.(Sweedy-CA 10/28)

11510 BANGLADESH RB 1604-1632 AR prayers, ID @1617 tk by om, mx.  
(Tuchscherer-WI 10/27) /1845 EG mx to s/off, ancmts by om. TNX  
tip from Bob Hill, NASWA DXTRA. SIO-333. (Anywodi-VA 10/21)



# LOG REPORT

## section D

### 11700 and above

Editor: Wallace C. Trelbel, 357 N.E. 149 St., Seattle, WA 98155

- 11705 CYPRUS BBC relay in RS \*0445, IS, ID, world nx, QRM fr RFI, f (Trotto FL 10/23)
- 11715 MALI R. Beijing relay in EG 0032, mx selections, mailbag, g (Levison PA 10/17)
- 11734 TANZANIA VOTZ in SH 1750, wailing vocals, peak 1810, f/o after (Atkins AL 10/23)
- 11735 YUGOSLAVIA RY in EG 2200, nx, ID, freqs, mx (Porinchak OH 10/29)
- 11745 TAIWAN VOFC in JP 1410, M tlkg w/instrum snippets, vg (Anywodi VA 10/30)
- 11785 EAST GERMANY RBI in EG 0505, "Kaleidoscope" (Cooper CT 10/12) in SP 0045, tlk on GDR/S.Am. econ relations, ID 0055, mixing w/R. Guaiba, f (Sheedy CA 10/24)
- 11790 MALI R. Beijing relay in EG 2115, "Listener's Letterbox", p (Anywodi VA 10/30)
- 11800 GABON R. Japan relay in EG 2302, nx, cmntry on oil imports, f (Levison PA 10/27)
- 11805 BRAZIL R. Globo in PT 0031, promos, ads, ID, jingles, pop mx, f (Sheedy CA 10/24)
- 11835 SRI LANKA SLBC in EG 1029, NA, pips, ID, target areas, f (Anywodi VA 10/28)
- 11850 SINGAPORE BBC relay in Burmese 0008, IS, ID, tlks, //15380, f (Sheedy CA 10/29)
- 11860 CHINA R. Beijing in EG 0303-0350, nx, ID, CH mx (Tuchscher WI, Trotto FL)
- 11865 SEYCHELLES FEBA in Farsi? 0310-0331\*, relig tlks?, vocals, IS (Jordan PA 10/26)
- 11900 NO. MARIANAS KYOI Saipan in EG 1010, US pop mx, address, p (Alexander PA 11/6) in EG 1420, continuous light rock format, ads, f (Anywodi VA 10/30)
- 11905 TAIWAN VOFC in EG 2210, tlk re Taiwanese economy, g (Mayer PA 10/27) ED: WRTH & PWBR both list CBC Taiwan outlet this freq in CH. Do they now share freq w/VOFC?
- 11910nf GUAM KIWR in EG 1520, relig tlk, pgm revue, ID, "Thru the Bible" (Park HI 10/19)
- 11920 IVORY COAST RIV Ivoirienne in FR 2305-0001\*, Afr hi-life mx, tlks, nx 2355, closing anncts, ID, NA, vg (Mayer PA 11/6)
- 11920 PHILIPPINE IS. VOA relay in Spec EG 1845, "People in America" (Sheedy CA 10/30)
- 11925 BRAZIL R. Bandeirantes in PT, tlks, jingles, TC, ID, promos, f (Sheedy CA 10/29)
- 11940 UNITED ARAB EMIRATES Dubai in EG 0333, nx, ID, wx, f (Trotto FL 10/11)
- 11945 FINLAND RF in EG 1400, "Faith in Finland", //15400(Swaringen NC, Strawley 10/27)
- 11955 UNITED ARAB EMIRATES Dubai in EG 1625, orch mx, ID, TC, nx, g (Mayer PA 10/16)
- 11955 SWITZERLAND SRI in EG 1855, feature, freqs, ID, into GM, g (Sheedy CA 10/30)
- 11990 CZECHOSLOVAKIA R. Prague in EG 0302, nx, cmntry on religion, g (Levison PA 10/9)
- 11995 FRANCE RFI in EG 0335, sports cmntry incl. tennis results (Swaringen NC 10/27)
- 12010 USSR R. Moscow Mayak in RS 1215, ezl mx, IS, off 1230 (Prath FL 10/29)
- 120187 VIETNAM VOV in EG 1000, nx, cmntry on air routes & trade fair (Eckert 10/18)
- 12020 USSR R. Moscow Riga in FR 1708, nx, ID "Ici R. Moscow Inter" (Trotto FL 10/24)
- 12050 USSR R. Moscow in SP 2320, ID, tlks re Afghanistan, //7360 (Prath FL 10/15)
- 12060 USSR R. Rodina in RS 2000, IS, ID, nx, g (Mayer PA 10/16)
- 12085 SYRIA R. Damascus in EG 2000, nx, press review, mx, exc (Strawley 10/15)
- 13645 USSR R. Kiev in EG 0035, nx, cmntry re RS constitution, f (Levison PA 10/8) in EG \*0300, leaders from W. Germany visit Moscow, folk mx (Swaringen NC 10/27)
- 13645 USSR R. Stansiya Rodina in RS 0200, IS, ID, cmntry, nx, f-p (Trotto FL 10/25)
- 13665 PAKISTAN RP in Farsi 1720, MEast mx, tlk, ID, nx?, off 1745, f (Trotto FL 10/24)
- 13770 NETHERLANDS RNW in EG 1428, IS, pips, ID, "Newslne for Asia", p (Park HI 10/12)
- 15010 VIETNAM VOV in EG 2344, ID, nx at 2345, ID again, f (Trotto FL 10/1)
- 150446 SCOTLAND Weekend Music Radio in EG 2047, test for N. Amer, ID's, address in Cambridge, ID repeated in SP (Paszkiwicz WI 10/29) ED: Nice catch, Sheryl!
- 15060 SAUDI ARABIA BSK in AR \*0358, IS, NA, 6 pips, ID, exc (Estes MS 10/31)
- 15105 MOROCCO RTVM in AR 0054-0100\*, Mid-East mx, vg (Tuchscher WI 10/23)
- 15110 CLANDESTINE VO Democratic Kampuchea (p) in Khmer 0314, probable ID w/many refs to Kampuchea, Afghanistan, Soviet, very little mx (Paszkiwicz WI 10/30) ED: Transmitter location is Beijing, China according to PWBR 1989.
- 15139 CHILE R. Nacional in SP 1030, nx, ads, p (Park HI) in SP 0245-0302\*, tlks, ID, abruptly s/off, R. Moscow 15140 made it necessary to use ECSS-LSB (Alexander PA)
- 15160 AUSTRALIA RA in EG 2200, Inter. rpt, mx requests, //15240 (Abrahante 10/7)
- 15180 USSR R. Yerevan in EG 0345, mx requests, nx, //13645, 15445 (Levison PA 10/30)
- 15205 MOROCCO VOA relay Tangiers in Spec. EG 1835, nx, feature, //15600 (Sheedy CA)
- 15295 MALAYSIA RIM Kajang (p) in CH? 1130, pips 1100, ID? 1130, mentions of Malaysia, drama type pgm, g (Iaskowski IN 10/2)
- 15325nf YUGOSLAVIA RY Belgrade in EG \*1300-1329\*, nx, cmntry, g (Sampson WI 10/29) IS, nx, ID, target areas incl N.Amer, f (Anywodi VA 10/30) WW II history on Yugo political development, //s on 15380 & 11735 not heard (Jordan PA 10/23)
- 15345 ARGENTINA RAE in EG \*2200, IS, multi-ling ID's, nx, sports, mx (Alexander PA)
- 15350 JAPAN RJ in IN 2336-0000\*, lang lessons, nx, ID, NA, g (Sheedy CA 10/28)
- 15355 NETHERLANDS ANTILLES TWR Bonaire in GM \*2330, IS, ID, relig pgm (Mayer PA 10/29)

- 15390nf WEST GERMANY? Deutsche Welle (site unknown) in EG 1910, nx, cmntry on FRG/PRC relations, "Int'l Talking Point", pop mx, //13790, g (Sheedy CA 10/30) ED: Has anyone identified the xmtr site for this new frequency?
- 15455 USSR R. Vilnius in EG 2305, tlks re elections in Lithuania (Prath FL 10/24) cmntry at 2312 on radio hams & population during WW II, f (Levison PA 10/17)
- 15600 LIBERIA VOA relay Monrovia in Spec. EG 1832, nx, features, ID (Sheedy CA 10/30)
- 15659 ICELAND ISBS in Icelandic 1943, all tlk, abruptly off 2009 after a few musical notes, f (Eckman CA 10/16) ED: A real good catch on the West Coast!
- 17555 ISRAEL Kol Israel in HB 1133, ad, ID, political tlks, g (Dillon GREECE 10/17)
- 17575 ISRAEL Kol Israel in FR 1150, tlks re Israel's economy, ID, sked (Dillon 10/17)
- 17585 BELGIUM Radio 4 Int'l in FR 1205, local nx, sports, mx, ID (Dillon 10/17)
- 17595 BELGIUM BRT in DT/EG 1624, IS, ID in DT, organ fanfare, EG ID, p (Park HI 11/7)
- 17610 TUNISIA R. Tunis in AR 1326, ID, cultural pgm, f (Dillon GREECE 10/17)
- 17705 NEW ZEALAND RNZ in EG 0516, modern jazz, xmsn targets, nx, f (Jordan PA 10/8)
- 17710 JAPAN R. Canada relay in EG 1157, Dixieland medley, IS, freqs, nx, p (Park HI)
- 17735nf USA WYFR Family Radio in AR 1710, relig sermon, IS, f-g, apparent move from 17845 (Treibel WA 11/12)
- 17745 ROMANIA R. Bucharest in EG 1506, ID, nx headlines, f (Trotto FL 10/14)
- 17745nf SOUTH AFRICA RSA in DT 1758, IS, ID in EG, into DT pgm (Tuchscherer WI 10/27)
- 17780 ITALY RAI in IT 1905\*, exc sig closing bcst to Canada, bird IS (Eckman CA 10/23)
- 17795 ITALY(t) RAI in EG/lang 0350-0440, hrd under R. Australia w/nx type tlk but nearly impossible to copy, vp (Jordan PA 10/8) ED: This agrees with PWBR grids.
- 17815 MOROCCO RTVM in FR 1848-1900\*, pop mx and old rock hits (Tuchscherer WI 10/28)
- 17815 HONGKONG BBC relay in EG 0259, nx, exc (Tuchscherer WI 10/30)
- 17830 SWITZERLAND SRI in EG 1530, nx, cmntry, interview, g (Levison PA 10/12)
- 17845 SPAIN REE in SP 1830-1900, variety pgm, g (Abrahante 10/10)
- 17865 PHILIPPINE IS. VOA relay in RS 0954, RS orthodox church svce w/call & response, address, classical mx, ID, nx, g (Park HI 10/30)
- 17880nf SWEDEN R. Sweden in SW 1705, tax-reduction proposal, conf. in West Germany, "doping scandal" in Swedish sport, etc, g (Anywodi VA 10/30)
- 17875nf UNITED KINGDOM BBC in EG 2300-0045\*, ID, nx, requests, noted // on 12095 but one second behind, f (Jordan PA 10/8) ED: Rufus reports that G. Hauser believes actual xmtr site may be Hongkong or Singapore.
- 17885 SEYCHELLES BBC relay in EG \*0500-0515, fanfare, world nx, p (Jordan PA 10/8)
- 21505 CZECHOSLOVAKIA R. Prague in AR/EG 1715-1826\*, AR svce to 1725, IS, multi-lang ID's, into EG svce 1730 to Africa, polit & econ nx, f (Jordan 10/22)
- 21540 EAST GERMANY R. Berlin Int. in EG 1405, sports quiz, nx (Tuchscherer WI 10/26)
- 21559nf COSTA RICA R. for Peace Int. in EG 2345-2359\*, ID, f (Treibel WA 11/11)
- 21620 SWEDEN R. Sweden in EG 1400, IS, national nx, g (Anywodi VA 10/16)
- 21620 FRANCE RFI in FR 1554-1638, pop mx, nx at 1600, more mx (Tuchscherer WI 11/1)
- 21810 BELGIUM BRT in EG 1630, feature on CNN-TV coming to Belgium, f (Eckman CA 10/2)
- 25730 NORWAY RNI in NO 1205-1245\*, nx, sports, f (Rigas IL 10/31) ID 1228, tlks, nx, f (Trotto FL 10/6) nx, closing annmnts, ID, freqs, slight echo, f/g (Jordan PA)
- 25820nf FRANCE RFI in FR 1147, comedy, laugh track, ID, freqs, off 1157, g (Trotto FL) in FR 1115, FR ditty, tlk, ID, US pop mx, s/off 1158 (Jordan PA 10/31)
- 25850nf DENMARK R. Denmark in DN 1249, ID in EG 1253, s/off (Rigas IL 11/1) in DN \*1159 IS, ID in DN/EG, g (Trotto FL 10/6) in DN 1210, nx, ID, interviews, f(Jordan Pa)

\*\*\*\*\*

NOTE: Correction to listing at 11965 in October FRENDEX. Tom Laskowski informs me that I made a boo-boo in listing his logging as R. Dubai in the UAE rather than Abu Dhabi. Maybe I had better get a new pair of glasses. Hi! Sorry about the mix-up. As usual, there were a goodly number of logging repeats from those listed in last month's issue which I did not include above. Please consult the November issue for a more complete update. Many thanks to those who took the time to arrange their loggings in frequency order when there were more than 1 or 2 items. Hats off also to those hardy souls who got up so early in the morning to log the items reported above in the 25 mhz band. It's not so bad for the East Coast members but 3:00 am is absolutely brutal out here on the West Coast. 73's

\*\*\*\*\*

NOTICE PLEASE

The December "SCOREBOARD" will appear in next month's issue. We are again a little short of space so no ads this month either. They're typed and ready to go whenever we have room.

Thomas R. Sundstrom	Telex: 6502446376 (via WUI)
PO Box 2275	MCI Mail: 244-6376
Vincentown	The Source: BCF811
NJ 08088-2275	Compuserve: (send via MCI Mail)
	Packet Radio: W2XQ @ WB2MNF
	Pinelands RBBS: 609-859-1910

If YOU are writing to stations for reception reports, ask those stations to put me on the early-warning station schedule mailing list so that all NASWA members benefit. Please include my Telex number. The monthly deadline for information is the Friday before the last Saturday. Thanks.

Radio Austria International's SW Panorama is easier to hear at 1730 on 12010 to Europe than at 1230 on 15450 to NA. Week after week the band is marginally open and the 1230 signal really gets bombed here. Thanks to Kris Field for coming up with a full RAI schedule.

Radio Nederland has made several frequency changes, particularly in the 1130 and 1430 services. I normally don't get a chance to listen to Media Network during the day, but yesterday was an exception. Don't want to wait until the 0230 transmission? Excellent signals were at 1130 on new 17605 and 21615, at 1430 on 17605, and at 1830 on 15175 kHz.

Other notes: Voice of United Arab Emirates, Abu Dhabi, is asking for reports from NA on its new English language service 22-24 on 11965, 9595 and 6170 kHz. Very good signals here. China has initiated a swap with France. The English swap surfaces at 04 on 11695 from French Guinea. Radio RSA has added an 11m outlet to NA at 14-16 UT. North Korea is using another strange out-of-band frequency, this time 11335 at 13 UT, which is heard reasonably well here. For the first time in this solar cycle that I can recall, North Korea is using a 16m outlet (at 04 UT).

Did you use to listen to AFRTS? A list of SSB feeders has been aired on the ANARC net and has been posted on the ANARC and Pinelands RBBS systems. The outlet that I hear most often is AOK, England, on 9242.2 kHz LSB, during the afternoon hours.

Have equipment for sale? Looking to buy or trade something? Post it in the FORSALE conference on the Pinelands RBBS. After you log on, use the J>oin command off the MAIN command line, then enter your message. This is open to all, not just NASWA members or SWLs only. Other clubs, please copy...

FOR SALE: Icom R-71A general coverage receiver, 100 kHz-30 MHz. AM-FM-CW-USB-LSB-RTTY with FL44A SSB filter, FL63 250 Hz CW filter, FM module. Very clean, no scratches, no dents. No dealer mods, factory stock, factory specs. All manuals and data sheets. Authorized Icom dealer service alignment August 1988. \$700 FOB Vincentown. Add \$20 for UPS second-day insured shipping or pick up here. 609-859-0179 6-9 p.m. EST.

## All Records Included

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time  
Compiled by Thomas R. Sundstrom, W2XR

Start Time (UTC)	End Time (UTC)	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Freq #8	Target Area	Notes	Record Last Updated
0000	0100	Australia	R Australia	17795	17750	15395	15320	15240	15160			As/Pac/PapNG		05/21/88
0000	0100	Bulgaria	R Sofia	11950	9700							NA/W Eu		10/28/88
0000	0100	China	R Beijing	11715	9770	9665						ENA	11715, 9770 v Mali	09/24/88
0000	0200	Cuba	R Havana	9655								Americas		07/04/88
0000	0030	Israel	Kol Israel	9435	9385	7460						NA		11/06/88
0000	0050	North Korea	R Pyongyang	15160	15115							Am		11/13/87
0000	0030	Norway	R Norway	11850	9620							ENA/CA/S As	Eng Mon only	10/12/88
0000	0100	Spain	Sp Foreign Radio	11880	9630							NA		05/17/88
0000	0200	USA	VDA	15205	11580	9775	9455	5995				Caribbean/LA		11/12/88
0000	0200	USA	WCSN	9850								W Afr	90 deg	08/13/88
0000	0200	USA	WHR1	9495	7365							Eu/CA/SA		08/13/88
0000	0400	USA	WRND	7355								NA/CA	20 deg	10/14/88
0000	0100	USSR	R Moscow	15405	13605	12050	9890	9765	9720	9530	7195	ENA	also other freq's	09/30/88
0030	0100	Austria	ORF	9875								NA	M-Sa	11/16/88
0030	0055	Belgium	BRT	9925								SA/NA		10/09/88
0030	0130	Canada	R Canada Int'l	9755	5960							NA	Su-Mo-0200	10/20/88
0030	0130	Ecuador	HCBJ	11910								Americas		04/19/87
0030	0230	England	BBC	9915	9590	9575	7325	6175				World Service/NA	9590-DH/9575-Antigua	08/13/88
0030	0100	Hungary	R Budapest	15160	11910	9835	9585	9520	6110			NA	exc Mon	09/22/88
0030	0230	Pakistan	R Pakistan	15115	11570							S & SE As	World Service	09/06/87
0030	0100	USSR	R Kiev	15455	15180	13645	9800	9640	7400			NA		10/12/88
0035	0500	Ecuador	HCBJ	15155	11775	9720						NA		11/02/88
0045	0230	New Zealand	R New Zealand Int'l	17705	15150							Fac/Aus/Melanesia	Sat only	10/27/88
0045	0100	South Korea	R Korea	15575								6DS	World News Service	11/05/88
0050	0110	Vatican State	Vatican Radio	11780	9605	6150						NA		09/22/88
0100	0200	Australia	R Australia	17795	17750	17715	15395	15320	15240	15180	15160	As/Pac/PapNG		05/21/88
0100	0200	Austria	ORF	9875								NA	Su	11/18/88
0100	0200	Canada	R Canada Int'l	11940	11845	9535						LA	Su-Mo	10/12/88



0230	0330	England	BBC	9915	9660	7325	6175	5975		World Service/NA	9660-OH/6175-Sackv	08/13/88		
0230	0315	German Dem Rep	R Berlin Int'l	11750	6165	6125				LA		05/19/88		
0230	0245	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	NA	Tu/W/F/Sa	09/22/88		
0230	0325	Netherlands	R Nederland	9895	9590	6165	6020			ENA	9590, 6165 v Bonaire	02/23/88		
0230	0630	New Zealand	R New Zealand Int'l	17705	15150					Pac/Aus/Melanesia		10/27/88		
0230	0245	Pakistan	R Pakistan	17725	17760	15580	15115	7175		S & SE As	Slow-speed news	05/13/88		
0230	0300	Portugal	R Portugal	11840	9705	9680	9600			SA/NA	Tue-Sat	11/17/88		
0230	0300	Sweden	R Sweden	11705	9695					NA		09/21/88		
0300	0400	Australia	R Australia	17795	17715	15320	15240	15160	11945	As/Pac/PapNG/Afr		05/21/88		
0300	0400	China	R Beijing	15455	15290	15180	9690			WNA	9690 v Spain	11/07/88		
0300	0357	Czechoslovakia	R Prague	11990	9740	9630	9540	7345	6055	5930	NA	06/06/87		
0300	0350	Fed Rep Germany	R Deutsche Welle	9700	9605	9545	6130	6010		NA	9700 v Malta	09/30/88		
0300	0345	German Dem Rep	R Berlin Int'l	11785	9620					WNA		05/19/88		
0300	0425	Guatemala	T6NC	3300								12/23/87		
0300	0400	Japan	R Japan	21610	17825	17810	15195	11870	11840	7125	5960	60S/Asia/NA	#1,2,5 -0330:49m-Can	10/31/88
0300	0430	Netherland Antilles	Trans World Radio	9535						NA	Su/Mo -0530	11/12/88		
0300	0400	Taiwan	V of Free China	15345	11745	9765	9680	7445	5985	NA/Jap/As/AusNZ	WYFR:9680,5985	09/29/88		
0300	0500	USA	KUSW	9815						Canada	70 deglocas use	10/14/88		
0300	0600	USA	WYFR	9505	5950					NA		11/12/88		
0300	0330	USSR	R Kiev	15455	15180	13645	7400	7205	7150	NA		10/12/88		
0310	0330	Vatican State	Vatican Radio	6150						NA		09/07/87		
0315	0325	France	R France Int'l	11995	11700	11670	9800	9790	9550	7175	7135	Am/Afr/Ind/As/Eu	news in English	11/05/88
0330	0400	Albania	R Tirana	9757	7065					NA		10/29/88		
0330	0430	England	BBC	9915	5975					World Service/NA	5975 Antigua	08/13/88		
0330	0357	Finland	R Finland	11755	9635					NA		09/21/88		
0330	0400	Sweden	R Sweden	11705						ME		09/21/88		
0330	0415	United Arab Emirates	R Dubai	21700	17890	15435	11940			NA		05/31/88		
0340	0348	Greece	V of Greece	11645	9420	7430				NA	News in English	06/10/88		
0345	0430	German Dem Rep	R Berlin Int'l	11785	9620					WNA		05/19/88		
0350	0410	Italy	RAI	17795	15330	11905				S As		09/28/88		
0400	0500	Argentina	RAE	9690						Americas		10/27/88		
0400	0500	Australia	R Australia	17795	17750	17715	15320	15240	15160	11945	11910	As/Pac/PapNG/Afr	05/21/88	
0400	0500	Austria	ORF	15410	6155	6015				ME/WNA/Eu		11/18/88		
0400	0500	Bulgaria	R Sofia	11840	11735	9560	7115			Afr/WNA		10/28/88		
0400	0500	China	R Beijing	15290	15180	11695				WNA	25m v French Guinea	11/23/88		
0400	0600	Cuba	R Havana	9770	9655	6140	6035	5965		Americas	6140 to 0450	07/05/88		
0400	0450	Fed Rep Germany	R Deutsche Welle	11765	9765	9565	7225	7150		S&C&E Afr		09/30/88		
0400	0425	Netherlands	R Nederland	9850	7210					ME/E Afr		09/16/88		
0400	0450	North Korea	R Pyongyang	17765	15180	15160				SE As		11/25/88		

0400	0430	Norway	R Norway	11760	9650					ME/E Afr/WNA	Eng Mon only	08/13/88
0400	0455	Romania	R Bucharest	11940	11830	9570	9510	6155	5990	NA		06/05/88
0400	0415	South Africa	Radio RSA	11900	9585	7295				Afr/ME		11/06/88
0400	0430	Switzerland	R Swiss Int'l	12035	9885	9725	6135			NA		05/24/86
0400	0450	Turkey	V of Turkey	9680	9445					SE As/NA		11/12/88
0400	0600	USA	WCSN	9870						W Afr	90 deg	01/25/88
0400	0600	USA	WHR1	9495	7405					Eu/CA/SA		09/25/88
0400	0600	USA	WKND	6185						NA/CA	20 deg	10/14/88
0400	0800	USSR	R Moscow	9640	9610	9600	9530	7290	6170	WNA	add'l freqs in use	09/22/88
0415	0645	Pakistan	R Pakistan	17660	15605	12015				ME	World Service	09/06/87
0425	0440	Italy	RAI	7275	5990					Mediterranean		09/28/88
0430	0500	Albania	R Tirana	11835	9460					Afr		12/24/86
0430	0545	England	BBC	9510	5975					World Service/NA	9510 Sackville	08/13/88
0430	0530	Seychelles	FEBA	17820	15325					India	M & Sa	09/30/88
0500	0600	Australia	R Australia	17795	17750	17715	15240	15160	11910	As/Pac/PapNG		05/21/88
0500	0700	Ecuador	HGJB	11775	9720	6230				NA		11/02/88
0500	0550	Fed Rep Germany	R Deutsche Welle	9700	9635	6130	6120	5960		WNA	6120 v Antigua	08/25/88
0500	0545	German Dem Rep	R Berlin Int'l	13610	11810	9645	6115	5965		Af/ME/Eu		05/19/88
0500	0515	Israel	Kol Israel	17630	11588	11605				Aus/As/NA/Eu		11/06/88
0500	0600	Japan	R Japan	17810	15270	11870	11840	9505		GOS/As/NA/Oceania		09/04/88
0500	0800	Kuwait	R Kuwait	15345						Far E/S&E As/Aus/NZ		04/18/87
0500	0530	Norway	R Norway	15175	11735					ME/Afr	Eng Mon only	10/12/88
0500	0600	Spain	Sp Foreign Radio	9630						NA		05/17/88
0500	0700	USA	KUSW	6175						Canada	70 deg	08/13/88
0500	0600	USA	WYFR	13695	11905	11580				Eu		11/12/88
0500	0520	Vatican State	Vatican Radio	17730	15190					Africa		09/22/88
0515	0530	Finland	R Finland	11715	9635	6120				Eu/ME/Afr		09/21/88
0515	0600	German Dem Rep	R Berlin Int'l	17775	15240					SE As		05/19/88
0530	0545	Czechoslovakia	R Prague	11990	9505	6055				Eu		10/11/86
0530	0625	Netherlands	R Nederland	9715	6165					WNA	via Bonaire	09/19/86
0530	0600	Romania	R Bucharest	15380	15340	11940	11840	9685	9530	Afr		12/14/86
0530	0630	Seychelles	FEBA	17820						India	Fr	09/30/88
0530	0600	United Arab Emirates	R Dubai	21700	17865	15435	11955			Far E/Aus/As		06/05/88
0545	0600	England	BBC	5975						World Service/NA		08/13/88
0600	0630	Australia	R Australia	17795	17750	17715	15315	15240	15160	11945	11910	05/21/88
0600	0800	Cuba	R Havana	11760						Americas		08/15/88
0600	0730	England	BBC	9640	5975					World Service/NA	9640 Antigua	08/13/88
0600	0650	Fed Rep Germany	R Deutsche Welle	17875	15185	13790	11765			W Afr		09/30/88
0600	0700	Malta	R Mediterranean	9765								09/24/88

0600	0650	North Korea	R Pyongyang	15180	15160	15115	13650		SE As		11/25/88		
0600	0700	South Korea	R Korea	9570	7275	6060			Am/GDS		11/05/88		
0600	0700	Taiwan	V of Asia	7285					SE As		07/20/87		
0600	0800	USA	WCSN	7365					Eu	60 deg	08/13/88		
0600	0800	USA	WHRI	9495	6100				Eu/CA/SA		08/13/88		
0600	1200	USA	WRNO	6185					NA/CA	20 deg (Su only)	02/15/88		
0600	0700	USA	WYFR	11580	9852	9680	7355	6065	5950	Eu/NA		11/12/88	
0600	0620	Vatican State	Vatican Radio	9645	6185					Eu		09/22/88	
0615	0630	Canada	R Canada Int'l	15235	11840	9760	9740	7155	6140	6050	Eu/Afr/ME	v UK exc 9760, 6140	10/12/88
0615	0630	Vatican State	Vatican Radio	17730	15190						Africa	Mon-Fri	09/22/88
0630	0700	Albania	R Tirana	9500	7065						Eu		12/24/86
0630	0700	Australia	R Australia	17750	17715	15315	15240	15160	11945		As/Pac/PapNG/Afr		05/21/88
0630	0655	Netherlands	R Nederland	11930	9895						W Afr		09/19/86
0630	0700	Switzerland	R Swiss Int'l	17570	15430	12030					Afr		05/09/87
0645	0700	Canada	R Canada Int'l	15235	11840	9760	9740	7155	6140	6050	Eu/Afr/ME	v UK exc 9760, 6140	10/12/88
0645	0715	Romania	R Bucharest	21665	17805	17790	15340	15250	11940		Pac		11/13/86
0650	0830	Ecuador	HCBJ	11835	9845						Eu	Sat-Sun 0700-0830	04/22/87
0700	0730	Australia	R Australia	17750	17715	15240	15160	9655	5995		As/Pac/PapNG		05/21/88
0700	0830	Ecuador	HCBJ	9745	6130						S Pac		05/17/88
0700	0900	Guam	KSDA	17855	15225						As		10/14/88
0700	0800	Japan	R Japan	21695	17810	15235	15270				BDG/As/Am/Oc/Eu/ME	21695 v Gabon	09/04/88
0700	1115	Pakistan	R Pakistan	17660	15605						Eu	World Service	05/13/88
0700	0800	Taiwan	V of Free China	5985							NA	via WYFR	07/21/86
0700	1100	USA	KUSW	6135							Canada	70 deg	02/15/88
0700	0800	USA	WYFR	9852	9680	7355	6065	5950			Eu/NA		11/12/88
0710	0905	Seychelles	FEBA	17820	15325						India	Su	09/30/88
0715	0730	Vatican State	Vatican Radio	15190	11725						Africa	Mon-Fri	09/22/88
0730	0800	Australia	R Australia	17750	17715	11720	9655	5995			As/Pac/PapNG		05/21/88
0730	0800	Bulgaria	R Sofia	11720	9700						W Eu		10/28/88
0730	0800	Czechoslovakia	R Prague	21705	17840	11865					SE As/Pac		09/13/87
0730	0755	Finland	R Finland	11755	9560	6120					Eu/ME/Afr		09/21/88
0730	0800	Italy	AWR Europe	7125							Eu		10/30/88
0730	0825	Netherlands	R Nederland	9770	9715						NZ/Aus	via Bonaire	09/16/88
0745	0830	German Dem Rep	R Berlin Int'l	21465	21540	9730	7185	6115	6040		Far E/Eu	#1,3,4,5 Sa-Su only	05/19/88
0800	0830	Albania	R Tirana	11835	9500						As/Aus		12/24/86
0800	0900	Australia	R Australia	17750	17715	11720	9655	9580			As/Pac/PapNG		05/21/88
0800	0830	Austria	DRF	15450	15410	13730	6155				Aus/ME/Eu	Su	11/18/88
0800	0825	Belgium	BRT	21815	11695						SE As/Aus	Mon-Fri	09/10/88
0800	1600	N Mariana Is	KYOI	11900							Japan	340 deg	02/15/88

0800	1100	USA	WHRI	7355					Eu/CA/SA		08/13/88		
0805	0930	Guam	KTWR	11805					Far East		10/28/88		
0828	0855	Netherlands	R Nederland	9770					Aus	weekdays	09/16/88		
0830	0900	Austria	DRF	15450	15410	13730	6155		Aus/NE/Eu		10/30/88		
0830	0930	China	R Beijing	15445	11755	9700			S Pacific		05/25/88		
0830	0900	Czechoslovakia	R Prague	21705	17840	11865			StE As/Pac	Sat & Sun to 0930	09/13/87		
0830	1030	Ecuador	HCJB	11925	9745	6130			S Pac		05/17/88		
0830	0925	Netherlands	R Nederland	21485	17575				Asia		09/19/86		
0830	0900	Switzerland	R Swiss Int'l	21695	17830	13685	9560	9535	6165	Aus/NZ/Eu	05/01/88		
0900	0915	Australia	R Australia	17715	15415	11720	9760	9655	9580	As/Pac/PapNG	05/21/88		
0900	0950	Fed Rep Germany	R Deutsche Welle	21680	21650	17875	17780	17715	15510	11945	11785	Aus/As/StCkE Afr	09/30/88
0900	0925	Finland	R Finland	21550	17795					Aus	09/21/88		
0900	0945	German Dem Rep	R Berlin Int'l	21465	21540	9665				Far E/ENA	#1 Sa-Su only	05/19/88	
0900	1000	Guam	KSDA	17855	11980					As	10/14/88		
0900	1000	Japan	R Japan	17810	15270	11885	11840			GDS/As/Oc	09/04/88		
0900	1115	New Zealand	R New Zealand Int'l	12045	9850					Aus/Melanesia	10/27/88		
0900	fade	Papua-N Guinea	ARC-Port Moresby	4920							09/08/85		
0900	0930	Portugal	AWR Europe	9670						Eu	Sunday only	10/30/88	
0915	0930	Australia	R Australia	15415	11720	9760	9655	9580		As/Pac/PapNG	05/21/88		
0930	1000	Australia	R Australia	15415	9760	9655	9580			As/Pac/PapNG	05/21/88		
0930	0940	Canada	R Canada Int'l	9755	5960					Carib	Mon-Fri	11/12/86	
0930	1030	China	R Beijing	15445	11755	9700				S Pacific	05/25/88		
0930	0955	Finland	R Finland	14245	11855					E As/SA	09/21/88		
0930	1100	Guam	KTWR	11805						AusNZ	08/31/87		
0945	1030	German Dem Rep	R Berlin Int'l	6115						Eu	05/19/88		
1000	1030	Australia	R Australia	15415	9770	9580				As/Pac/PapNG	05/21/88		
1000	1025	Belgium	BRT	21810	17595					Afr	Mon-Fri	10/12/88	
1000	1100	Guam	KSDA	11980	9465					As	10/14/88		
1000	1100	India	ATR	17837	15335	15155	11920	11860		GDS/E As/Aus/NZ	05/31/88		
1000	1030	Norway	R Norway	25730	21705	15235	15180			Afr/Eu/FarE/AusNZ	Eng Sun only	10/12/88	
1000	1030	Switzerland	R Swiss Int'l	21695	17830	13685	9560			Aus/NZ	04/25/88		
1000	1100	USA	MYFR	5950						NA	11/12/88		
1000	1030	Vietnam	V of Vietnam	15010	12030	9640					09/25/88		
1030	1130	Ecuador	HCJB	11925						S Pac	05/17/88		
1030	1125	Netherlands	R Nederland	9505	6020					Aus/Carib	via Bonaire	09/16/88	
1030	1040	Taiwan	V of Asia	5980						SE As	07/20/87		
0800	0850	North Korea	R Pyongyang	15180	15160	15115	11830			SE As	11/25/88		
0800	0900	South Korea	R Korea	13670	7550					Eu	10/03/87		
0800	0900	USA	KNLS	6065						As	11/25/88		



1200	1300	Ivory Coast	AWR Africa	17890					Af	Su only	02/28/88			
1200	1230	Romania	R Bucharest	17720	15280				As		06/05/88			
1200	1400	USA	WCSN	5980					E Canada	45 deg	02/15/88			
1200	1430	USA	WRND	9715					NA/CA	20 deg (Su only)	10/14/88			
1200	1300	USA	WYFR	15375	9680	7355	5950		NA		11/12/88			
1200	1300	USSR	R Moscow	17820	17645	15595	15530	15490	15320	15225	15155	World Service	09/22/88	
1200	1225	USSR	R Tashkent	15455	11785	9600	9540	5945				As	11/05/88	
1200	1215	Vatican State	Vatican Radio	21485	17865	17840	15190					Afr/As/Aus/NZ	#2 & #4 Mon-Fri	09/22/88
1215	1330	Egypt	R Cairo	17595								As		06/18/88
1215	1300	German Dem Rep	R Berlin Int'l	15240	11705							ME		05/19/88
1230	1300	Australia	R Australia	9770	9710	9580	7215	7205	6080	6060	5995	As/Pac/PapNG		05/21/88
1230	1300	Austria	DRF	15450	13730	6155						ENA/Far E/Eu		11/13/88
1230	1300	Bangladesh	R Bangladesh	17710	15195							Eu		08/25/88
1230	1300	Sweden	R Sweden	21570	17810	15190						As/Pac		10/12/88
1235	1243	Greece	V of Greece	15630	11645							NA	Eng news	03/08/87
1245	1255	France	R France Int'l	21645	17720	15425	15365	15195	15155	11670	9805	Af/Afr/Ind/As/Eu	news in English	11/05/88
1245	1330	German Dem Rep	R Berlin Int'l	21540	21465	17880	15440					SE As		05/19/88
1300	1330	Australia	R Australia	9710	9580	7205	6080	6060	5995			As/Pac/PapNG		05/21/88
1300	1330	Austria	DRF	21490	13730	11780	6155					Af/S As/Eu	Su	11/16/88
1300	1400	Canada	R Canada Int'l	17820	11855	9625						NA/Carib	Mon-Fri	10/12/88
1300	1400	China	R Beijing	15455	15280	11660	11600					WNA/SE As/S Pac		08/26/88
1300	1325	Finland	R Finland	15400	11945							NA	Mon-Fri	09/21/88
1300	1345	German Dem Rep	R Berlin Int'l	6115								Eu		05/19/88
1300	1800	Jordan	R Jordan	9560										10/20/88
1300	1350	North Korea	R Pyongyang	11735	11335	9600	9345	9325				SE As/Af/Eu		11/25/88
1300	1330	Norway	R Norway	21705	15310	9590	6035					Aus/ENA/CA/Eu/SAs	Eng Sun only	10/12/88
1300	1545	Pakistan	R Pakistan	15605	13675	11615	9475					ME	World Service	05/13/88
1300	1400	Romania	R Bucharest	15365	15270	11940	9690					Eu		06/12/88
1300	1356	South Africa	Radio RSA	21590	17755							India/Pakistan		11/06/88
1300	1500	USA	WHRI	11790	9455							Eu/CA/SA		10/14/88
1300	1400	USA	WYFR	15375	13375	9680	5990	5950				NA		11/12/88
1300	1400	USSR	R Moscow	17820	17645	15530	15320	15225	13680	9600		World Service	9600 v Cuba	09/22/88
1302	1502	Taiwan	WYFR	15055								India	via VOFC	11/12/88
1330	1400	Australia	R Australia	9580	7205	6080	6060	5995				As/Pac/PapNG		05/21/88
1330	1355	Belgium	BRT	21815	17555							NA/SE As	Mon-Sat	09/10/88
1330	1500	India	AIR	15335	11810	9545						60S/SE As		04/17/87
1330	1400	Switzerland	R Swiss Int'l	21695	17830	15570	15135	13635	11695			E Afr/India/Aus/NZ	15135&11695 v China	11/12/88
1330	1400	Turkey	V of Turkey	17785								SW As		09/24/88
1330	1400	United Arab Emirates	R Dubai	21605	17865	15435	11955					Eu/Afr		06/12/88

1330	1355	USSR	R Tashkent	15455	11785	9600	'9540	5945'	As	11/05/88	
1330	1400	Vietnam	V of Vietnam	15010	12030	9840				09/25/88	
1345	1430	German Dem Rep	R Berlin Int'l	9730					Eu	05/19/88	
1400	1430	Albania	R Tirana	11985	9500				As/Aus	11/12/88	
1400	1500	Australia	R Australia	9580	7205	6080	5995		As/Pac/PapNG	05/21/88	
1400	1700	Canada	R Canada Int'l	17820	11955				NA/Carib	Sun	10/12/88
1400	1500	China	R Beijing	15165	11600	7405			S Asia		09/11/88
1400	1425	Finland	R Finland	15400	11945				NA	Sa&Su -1455	09/21/88
1400	1700	Guam	KSDA	11980	9830				As/India		10/14/88
1400	1500	Japan	R Japan	11815	11780	9695			60S/As/Am		04/24/88
1400	1500	Malta	R Mediterranean	11925							09/24/88
1400	1430	Norway	R Norway	21700	15310	15290	15190		Aus/S As/NE/Af/Eu/NA	Eng Sun only	10/12/88
1400	1556	South Africa	Radio RSA	25790	21590	21535	11925		NA/UK/Eu/Afr/ME		11/06/88
1400	1500	South Korea	R Korea	15575	9750	9570			Am/SE As		11/05/88
1400	1430	Sweden	R Sweden	21615	17810	15345			NA/As/Pac		10/25/88
1400	1430	Switzerland	R Swiss Int'l	12030	9535	6165			Eu		05/01/88
1400	1600	USA	KUSW	9850					Canada	70 deg	10/14/88
1400	1600	USA	WCSN	13760					E Canada/Eu	60 deg	02/15/88
1400	1600	USA	WYFR	15375	13695	11830	9600	5950	NA		11/12/88
1400	1500	USSR	R Moscow	17820	17645	15530	15320	15225	World Service	11840 v Cuba	09/22/88
1405	1430	Austria	ORF	11780					S As	Su	11/18/88
1430	1500	Bulgaria	R Sofia	15310	11840	11735			Afr		03/16/88
1430	1457	Czechoslovakia	R Prague	21505	17730	15155	15110	13715	St&E As/Pac		05/15/87
1430	1500	Italy	AWR Europe	7125					Eu		10/30/88
1430	1525	Netherlands	R Nederland	17605	17575	13770	11735	5955	St&E As/Eu		11/24/88
1430	1600	USA	WRND	11965					NA/CA	20 deg (Su only)	10/14/88
1445	1530	German Dem Rep	R Berlin Int'l	17880	15240				SE As		05/19/88
1445	1500	Vatican State	Vatican Radio	11740	9645	7250			Eu		09/22/88
1500	1530	Australia	R Australia	9580	7215	7205	6080	5995	As/Pac/PapNG		05/21/88
1500	1600	China	R Beijing	15165	11600	7405			S Asia/MNA		08/13/88
1500	1700	Costa Rica	AWR Latin America	15460					LA		03/28/88
1500	1745	England	BBC	15260	11775				World Service/NA	15260 Sackville	08/13/88
1500	1550	Fed Rep Germany	R Deutsche Welle	21600	17810	11965	9735		St&C&E Afr		05/01/88
1500	1640	Guam	KTKR	11910					India	Su -1650	10/28/88
1500	1600	Japan	R Japan	21700	15230	11815	9695	9505	60S/As/Am/Eu/NE	21700 v Gabon	09/04/88
1500	1550	North Korea	R Pyongyang	11740	9325				Eu		11/25/88
1500	1530	Philippines	R Veritas Asia	15215	9770				As		08/29/87
1500	1530	Romania	R Bucharest	17745	17720	15335	15250	11940	As		06/05/88
1500	1615	Seychelles	FEBA	11865	9590				India	S & Mo & Sa	09/30/88

1500	1700	USA	KNLS	7355				As		09/14/88
1500	1600	USA	WHRJ	15105	9455			Eu/CA/SA		10/14/88
1500	1600	USSR	R Moscow	15530	13680	12055	11840	World Service	11840 v Cuba	09/22/88
1500	1530	USSR	R Stn Peace & Progress	17645	15580	11890	11775 11655	As		09/22/88
1500	1515	Vatican State	Vatican Radio	17870	15090	11960		As/Aus/NZ		03/07/88
1502	1517	Taiwan	WYFR	11550				India	via VOFC	11/12/88
1505	1530	Finland	R Finland	11755	9560	6120		Eu/ME/Afr		09/21/88
1530	1600	Albania	R Tirana	11835	9480			Afr		12/24/86
1530	1900	Australia	R Australia	9580	7215	7205	6080 6035 5995	As/Pac/PapNG		05/21/88
1530	1625	Czechoslovakia	R Prague	21505	17705	15110	13715 11990 11685 11665 9605	Afr/As		02/21/88
1530	1600	Sweden	R Sweden	17810	15330	15240		As/Pac/E Afr		10/12/88
1530	1600	Switzerland	R Swiss Int'l	21630	17830	15430	13685	ME/E Afr		04/25/88
1530	1630	Taiwan	V of Asia	7445	5980			SE As		07/20/87
1540	1548	Greece	V of Greece	17565	15630	11645		NA	Eng news	11/15/86
1545	1600	Canada	R Canada Int'l	17820	15325	15315	11935 11915 9555	C&E Eu	last 4 via Eu relays	09/25/88
1545	1630	German Dem Rep	R Berlin Int'l	17775	15255	9730	7295	Af/Eu		05/19/88
1545	1630	Pakistan	R Pakistan	17800	15605	15135	13675 11615 9475	ME/E&S Afr	Slow-speed news 1615	05/13/88
1545	1600	Vatican State	Vatican Radio	17730	15120	11810		Africa		01/03/88
1600	1700	China	R Beijing	11600	9570			E&S Afr		07/04/88
1600	1650	Fed Rep Germany	R Deutsche Welle	21680	17825	15595	15105 9745 7200 6170	Aus/As		09/30/88
1600	1655	France	R France Int'l	17795	17620	15360	11705 6175	Afr/ME/As/W Eu	11705 v Gabon	11/05/88
1600	1630	Norway	R Norway	21705	15310	11760		ME/Af/WNA/S As	Eng Sun only	10/12/88
1600	1630	Portugal	R Portugal	15210				India/ME	Mon-Fri	11/17/88
1600	2100	Saudi Arabia	BC Serv of Kingdom of SA	9720					best later in xmsn	07/20/86
1600	1700	South Korea	R Korea	9870	5975			ME/Afr/GDS		11/05/88
1600	1640	United Arab Emirates	R Dubai	17865	15435	11730	9640	Eu/Afr		11/12/88
1600	2200	USA	KUSW	15650				Canada	70 deg	10/14/88
1600	1800	USA	WCSN	21640				S Afr	105 deg	02/15/88
1600	1800	USA	WHRJ	15105	13760			Eu/CA/SA		10/14/88
1600	2000	USA	WNLK	9465						04/10/88
1600	2100	USA	WRND	15420				NA/CA/Eu	20 deg	10/14/88
1600	1700	USA	WYFR	21525	17845	15440	15375 13695 11855 11830	Eu/NA		11/12/88
1600	1700	USSR	R Moscow	15460	13680	11840		World Service	11840 v Cuba	09/22/88
1600	1630	Vietnam	V of Vietnam	15010	12030	9840				09/25/88
1610	1625	Seychelles	FEBA	9590				India	M-Sa	09/30/88
1615	1745	England	BBC	15260	9515			World Service/NA		11/12/87
1615	1630	Hungary	R Budapest	15160	11910	9835	9585 9520 6110	Eu	M/Th	09/22/88
1630	1655	Belgium	BRT	21810	17585			Afr	Mon-Sat	10/12/88
1630	1830	Egypt	R Cairo	15255				S Afr		08/17/87

1630	1725	Netherlands	R Nederland	15560	6020	S&E Afr		11/16/88
1630	1900	Pakistan	R Pakistan	11570	9400	Eu	World Service	05/13/88
1700	1750	Brazil	R Bras	15265		Eu		10/28/87
1700	1800	China	R Beijing	11600	9570	E&S Afr		07/04/88
1700	1730	Japan	R Japan	11815	11705 9505	GOS/As/Am		04/10/88
1700	1750	North Korea	R Pyongyang	11740	9325	Eu		11/25/88
1700	1730	Norway	R Norway	15310	15220 9655	Afr/NA/Eu	Eng Sun only	10/12/88
1700	2200	USA	VOA	17785	15580 15410 11760	Afr		11/12/88
1700	1800	USA	WYFR	17750	15375 13695 11855 11830	Eu/NA		11/12/88
1700	1800	USSR	R Moscow	11840		World Service	11840 v Cuba	09/22/88
1715	1730	Canada	R Canada Int'l	17820	15325 7235 5995	C&E Eu	last 2 via UK	10/12/88
1715	1800	German Dem Rep	R Berlin Int'l	9730	7295 7260	Eu		05/19/88
1730	1800	Albania	R Tirana	9480	7155	Eu		06/05/88
1730	1825	Argentina	RAE	15345		Eu/Afr/ME		05/14/87
1730	1800	Austria	ORF	13730	12010 6155 5945	Af/ME/Eu		11/18/88
1730	1800	Bulgaria	R Sofia	15310	11840 11735	Afr		03/16/88
1730	1825	Czechoslovakia	R Prague	21505	15110 13715 11990 11685 9605	Afr/As		11/21/87
1730	1815	German Dem Rep	R Berlin Int'l	15255	15145 13610 9665	Af		05/19/88
1730	2015	New Zealand	R New Zealand Int'l	15150	12045	Pac		10/27/88
1730	1800	Romania	R Bucharest	15340	15270 11940 11790	Afr		06/05/88
1730	1805	Seychelles	FEBA	11810		India	F&Sa -1830	09/30/88
1730	1800	USSR	R Stn Peace & Progress	15140	13615 12030 11775 11670 9830	Af		09/22/88
1800	1830	Canada	R Canada Int'l	17820	15260	Afr	Sat/Sun to 1900	09/30/86
1800	1827	Czechoslovakia	R Prague	7345	5930	Eu		09/08/87
1800	2000	India	AIR	15360	11940	GOS/E Afr		04/17/87
1800	1815	Israel	Kol Israel	11585	7405	Eu		11/06/88
1800	1900	Ivory Coast	R Cote-d'Ivoire	7215			exc Sundays	12/05/87
1800	2100	Kuwait	R Kuwait	11665		Eu/Af/NA/Aus/NZ		10/20/88
1800	2000	N Mariana Is	KYOI	9455		Japan	340 deg	10/14/88
1800	1856	South Africa	Radio RSA	17795	15365	W&C Afr/UK/Ireland		10/20/88
1800	1900	South Korea	R Korea	15575		Eu		11/05/88
1800	1830	Sweden	R Sweden	11845	7265 6065	Eu		09/21/88
1800	1900	USA	KNLS	7355		As		11/25/88
1800	2000	USA	WCSN	21640		E Afr	75 deg	10/14/88
1800	2100	USA	WHRI	17830	13760	Eu/CA/SA		02/15/88
1800	1900	USA	WYFR	15375	13695 11855 11830 11580	Eu/NA		11/12/88
1800	1830	Vietnam	V of Vietnam	15010	12030 9840			09/25/88
1815	1900	Bangladesh	R Bangladesh	7520		Eu/ME		11/25/88
1870	1800	Austria	ORF	13730	12010 6155 5945	Af/ME/Eu		11/18/88

1830	1855	Belgium	BRT	11695	5915			Eu		09/10/88
1830	1925	Netherlands	R Nederland	21685	17605	15175	6020	Afr/Eu	13&17 Mon, 19 Madg	09/16/88
1830	1900	Switzerland	R Swiss Int'l	11955	9885			Afr		05/09/87
1845	1945	India	AIR	11620	7412			BOS/W Eu		07/04/88
1900	1930	Afghanistan	R Afghanistan	9665	7160			Eu		11/25/88
1900	2000	Algeria	R Algiers	17745	15215	9640	9509			01/30/88
1900	2000	Australia	R Australia	9580	7215	7205	6080 6035	As/Pac/PapNG		05/21/88
1900	1930	Canada	R Canada Int'l	17820	15260			Afr	Mon-Fri	09/30/86
1900	2100	Cuba	R Havana	11800				Eu/Af		10/15/88
1900	1957	Czechoslovakia	R Prague	7345	5930			Eu		09/08/87
1900	2000	Ecuador	HCJR	17790	15270			Eu		10/12/88
1900	1950	Fed Rep Germany	R Deutsche Welle	17715	15390	13790	11810 11785 9745	W Afr		09/30/88
1900	1930	Japan	R Japan	11705	9640	9505		BOS/As/Oc		04/10/88
1900	1930	Norway	R Norway	15225	9590	6015		Eu/Af	Eng Sun only	10/12/88
1900	1930	Portugal	R Portugal	15250	11820			Afr	Mon-Fri	11/17/88
1900	1956	South Africa	Radio RSA	17795	15365	7295		Afr/ME		11/06/88
1900	2000	Spain	Sp Foreign Radio	15395	15375	11790	9765	Afr/ME/Eu		09/23/88
1900	2000	USA	WYFR	17845	15566	15375	13695 11855 11830	Eu/NA		11/12/88
1900	1930	USSR	R Kiev	9600	7240	7205	5915	Eu		10/09/88
1900	2100	USSR	R Moscow	15150	11840			World Service	11840 v Cuba	09/22/88
1900	1930	Vietnam	V of Vietnam	15010	12030	9840				09/25/88
1915	2000	German Dem Rep	R Berlin Int'l	15255	13610	9665		Af		05/19/88
1920	1930	Greece	V of Greece	11645	9425	7430		Eu	Eng news	09/07/87
1930	2000	Bulgaria	R Sofia	11720	7155	6070		W Eu		10/28/88
1930	2000	Canada	R Canada Int'l	17875	15325	11945	9555 7235	W Eu	M-F : 41/49 v UK	09/25/88
1930	2030	China	R Beijing	11855	11515	9440	6955	W&N Afr		08/06/88
1930	1945	Finland	R Finland	11755	9530	6120		Eu/ME/Afr		09/21/88
1930	2000	Hungary	R Budapest	15160	11910	9835	9585 9520 6110	Eu		09/22/88
1930	2025	Iran	R Tehran	11895	9022			ME/N Af/Eu/ENA		10/28/88
1930	2025	Romania	R Bucharest	11940	9750	9690	7145	Eu		05/19/87
1930	2000	Switzerland	R Swiss Int'l	9535	6165	3965		Eu		11/12/88
1935	1955	Italy	RAI	11800	9710	7275		Great Britain		03/19/88
1940	2000	Vatican State	Vatican Radio	9645	7250	6190		Eu		09/22/88
1945	2030	German Dem Rep	R Berlin Int'l	6115				Eu		05/19/88
1945	2045	India	AIR	11860	11620	9910	9755 7412	BOS/W Eu/Afr		01/23/88
2000	2030	Australia	R Australia	9620	9580	7215	7205 6035	As/Pac/PapNG		05/21/88
2000	2100	China	R Beijing	11500	9720			Eu		09/30/88
2000	2200	England	BBC	12095	5975			World Service/NA	5975 Antigua	08/13/88
2000	2100	Guam	KSDA	7365	5995			As		10/14/88

2000	2030	Israel	Kol Israel	9855	9435	9010	7462	7355	NA/Eu/Afr		11/06/88
2000	2200	N Mariana Is	KYDI	9465					Japan	340 deg	08/13/88
2000	2050	North Korea	R Pyongyang	9345	6576				Eu		09/10/88
2000	2030	Norway	R Norway	15310					SA/Eu/Af/ENA/CA	Eng Sun only	10/12/88
2000	2030	Portugal	R Portugal	11740					Eu	Mon-Fri	11/17/88
2000	0100	USA	KVOH	17775					CA/Carib	100 deg	08/13/88
2000	2200	USA	WCSN	9495					Eu	60 deg	08/13/88
2000	2100	USA	WYFR	17845	15566	15375	13695	11855	11830	9455	11/12/88
2000	2100	USSR	R Moscow	15475	11930	9630	7330		UK/Ireland		09/22/88
2005	2105	Syria	R Damascus	15095	12085				Eu		05/17/88
2025	2045	Italy	RAI	11800	9575	7235			Near East		05/27/88
2030	2100	Albania	R Tirana	11835	9375				Afr		06/05/88
2030	2100	Australia	R Australia	9620	9580				As/Pac/PapNG		05/21/88
2030	2130	China	R Beijing	11855	11515	9440	6955		W&N Afr		08/06/88
2030	2200	Egypt	R Cairo	15375					W Afr		08/17/87
2030	2125	Netherlands	R Nederland	15560	11740	9895	9540		W Afr	11740 & 9540 v Madg	02/23/88
2030	2130	South Korea	R Korea	15575	7550	6480			Eu/ME/Afr		11/05/88
2030	2100	Vietnam	V of Vietnam	15010	12030	9840					09/25/88
2040	2140	Cuba	R Havana	15340	11725				Carib		09/04/88
2045	2230	India	AIR	11715	11620	9910	9550	7412	GDS/W Eu/Aus/NZ		03/28/87
2045	2100	Vatican State	Vatican Radio	15120	11760	11700	9625		Africa		01/03/88
2100	2130	Australia	R Australia	15395	15240	15160	9620	9580	As/Pac/PapNG		05/21/88
2100	2115	Cameroon	R Cameroon	5010	4850					news in English	12/23/87
2100	2200	China	R Beijing	11500	9720				Eu		09/30/88
2100	2400	Costa Rica	R for Peace	21560						M-F	11/17/88
2100	2150	Fed Rep Germany	R Deutsche Welle	11765	9765	9650	7130		Aus/As		09/30/88
2100	2145	German Dem Rep	R Berlin Int'l	6125					ENA		05/19/88
2100	2110	Ghana	Ghana BC Corp	3366						News in English	12/23/87
2100	2200	Guam	KSDA	15125	7365				E As/Indon		10/14/88
2100	2130	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	Eu	09/22/88
2100	2300	Iraq	R Baghdad	15230	9770				Eu		10/26/88
2100	2130	Japan	R Japan	11850	9695	9675	9640		GDS/As/Oc		09/04/88
2100	2130	Romania	R Bucharest	11940	9690	7145	6105		Eu		10/12/88
2100	2200	Spain	Sp Foreign Radio	11790	9765				Eu		05/17/88
2100	2130	Sweden	R Sweden	9655	6065				Eu/Afr/ME		09/21/88
2100	2130	Switzerland	R Swiss Int'l	15570	13635	9885			Afr		11/12/88
2100	2150	Turkey	V of Turkey	9825					Eu		09/24/88
2100	2400	USA	WHRI	17830	9770				Eu/CA/SA		02/15/88
2100	0000	USA	WRND	13760					NA/CA/Eu	20 deg	02/15/88

2100	2200	USA	WYFR	17845	15375	13695	11855	11830	9455	7365	Eu/NA		11/12/88
2100	2200	USSR	R Moscow	15475	11840						World Service	11840 v Cuba	09/22/88
2105	2205	Syria	R Damascus	15095	12085						NA		09/30/88
2115	2245	Egypt	R Cairo	9900							Eu		04/02/88
2130	2200	Albania	R Tirana	9480	7065						Eu		06/05/88
2130	2200	Australia	R Australia	15395	15240	15160					As/Pac/PapNG		05/21/88
2130	2200	Bulgaria	R Sofia	11720	9700	7115					Eu/NA		10/28/88
2130	2200	Canada	R Canada Int'l	17820	15150	11880					Afr		10/03/87
2130	2200	Ecuador	HCJB	17790	15270						Eu		10/12/88
2145	2230	German Dem Rep	R Berlin Int'l	5965	6125						Eu/ENA		05/19/88
2200	2300	Argentina	RAE	9690							Americas		10/27/88
2200	2400	Australia	R Australia	17795	15395	15320	15240	15160			As/Pac/PapNG		05/21/88
2200	2230	Austria	ORF	11780	9870	6155					SA/Af/Eu	Su	11/18/88
2200	2225	Belgium	BRT	9925	5915						NA/Eu		10/15/88
2200	2230	Canada	R Canada Int'l	17820	15150	11945	11880	11705	9760		Eu/SE As/NA	11705 v JA; #3&6-2300	10/12/88
2200	2300	Cuba	R Havana	7150							Eu/Af	v USSR	09/04/88
2200	2230	Czechoslovakia	R Prague	6055							Eu		05/14/87
2200	0030	England	BBC	12095	9915	9590	7325	6175	5975		World Service/NA		08/13/88
2200	2225	Finland	R Finland	11755	9670	6120					Eu/NE/Afr/E As/SA		09/21/88
2200	0200	Guam	KSDA	15125	11700						As/SE As		10/14/88
2200	2225	Italy	RAI	11800	9710						Japan		09/28/88
2200	0200	N Mariana Is	KYDI	15405							Japan	340 deg	12/03/87
2200	2230	Norway	R Norway	11850	9605						W Af/SA	Eng Sun only	10/12/88
2200	2300	Taiwan	V of Free China	15370	11905	9955	9455				AusNZ/Eu	WYFR:11905,9455	09/29/88
2200	2400	United Arab Emirates	V of UAE	11965	9595	6170					NA		11/24/88
2200	2230	USA	KGEI	15280							SA	Su	04/17/88
2200	0100	USA	KUS#	15580							Canada	70 deg	04/20/88
2200	2400	USA	WDSN	9495							W Afr	90 deg	08/13/88
2200	2300	USA	WYFR	17845	15375	13695	11855	11830			Eu/NA		11/12/88
2200	2300	USSR	R Moscow	11840							World Service	11840 v Cuba	09/22/88
2200	2230	USSR	R Stn Peace & Progress	7360	7340	6145					Eu		10/08/88
2200	2300	Yugoslavia	R Yugoslavia	9660	9620	7130	5980				W Eu/NA/India/Af		10/28/88
2205	2225	Vatican State	Vatican Radio	11830	9615	6015					As/Aus/NZ		01/03/88
2230	2300	Austria	ORF	11780	9870	6155					SA/Af/Eu		11/18/88
2230	2330	Bulgaria	R Sofia	11950	9700						NA/W Eu		10/28/88
2230	2330	Israel	Kol Israel	11605	9855	9435	9010	7355			NA/Eu/LA		11/06/88
2230	2300	USSR	R Vilnius	6100							Eu		09/22/88
2230	2300	Vietnam	V of Vietnam	15010	12030	9840							09/25/88
2245	2255	Ghana	Ghana BC Corp	4915	3366							News in English	12/23/87

2245	0045	New Zealand	R New Zealand Int'l	17705	15150						Pac/Aus/Melanesia	10/27/88		
2300	2330	Canada	R Canada Int'l	11730	9755						Carib	08/29/87		
2300	2400	Japan	R Japan	17810	15230	15195	11815	11600			6DS/As/Eu/ME/AF	11800 v Gabon	04/24/88	
2300	2350	North Korea	R Pyongyang	13650	11735						Am		12/28/87	
2300	2350	Turkey	V of Turkey	9680	9445	7250	7160				SE As/NA/Eu/ME		11/12/88	
2300	0100	USA	WYFR	15440	9505	5950					NA		11/12/88	
2300	0000	USSR	R Moscow	15405	13605	12050	9890	9765	9720	9530	7195	ENA	also other freq's	09/30/88
2300	2330	USSR	R Vilnius	15455	15180	13645	9765	7400	7165			NA		11/11/88
2305	2355	Poland	R Polonia	9525	7270	7145	6135					Eu/NA		05/19/88
2330	0000	Albania	R Tirana	9760	7065							NA		09/25/88
2330	0030	South Korea	R Korea	15575								Am		11/05/88
2330	2400	Switzerland	R Swiss Int'l	6190								Eu		05/01/88
2330	2400	Vietnam	V of Vietnam	15010	12030	9840								09/25/88
2335	2345	Greece	V of Greece	9395	7430							NA	Eng news exc Su	09/25/88
2345	0030	German Dem Rep	R Berlin Int'l	9730	6080							ENA		05/19/88

All Records Included

ENGLISH LANGUAGE DX SHOWS: By Day of Week

Compiled by Thomas R. Sundstrom, W2XQ

Shortwave DX Program	Show Xmn		Country	Station	Freq							Target Area	Notes re DX Show	Record Last
	Start Time	Start Time			#1	#2	#3	#4	#5	#6	#7			Updated
** DAY OF THE WEEK: Sunday														
Radio World	0030	0030	Belgium	BRT		9925						SA/NA		09/10/88
World of Radio	0030	0000	USA	WRND		7355						NA/CA		10/14/88
DXers Unlimited	0035	0000	Cuba	R Havana		9655						Americas		09/25/88
Shortwave Panorama	0100	0100	Austria	ORF		9875						NA		11/18/88
SWL Digest	0105	0030	Canada	R Canada Int'l		9755	5960					NA		10/12/88
Communications World	0110	0000	USA	VDA		15205	11580	9775	9455	5995		Caribbean/LA		11/12/88
SWL Digest	0130	0100	Canada	R Canada Int'l		11940	11845	9535				LA		11/05/88
SW Merry-Go-Round	0220	0200	Switzerland	R Swiss Int'l		17730	12035	9885	9725	6135	6095	NA		05/16/88
Communicator	0230	0200	Australia	R Australia		17795	17750	17715	15240	15180		As/Fac/PapNG		05/21/88

DX Party Line	0230	0035	Ecuador	HCJB	15155	11775	9720				NA	11/02/88	
DXers Unlimited	0235	0200	Cuba	R Havana	9770	9655	6140				Americas	09/25/88	
Amateur Radio Spectr	0250	0200	South Africa	Radio RSA	11760	9615	9580				NA	02/28/88	
SW Merry-Go-Round	0420	0400	Switzerland	R Swiss Int'l	12035	9885	9725	6135			NA	05/18/86	
DXers Unlimited	0435	0400	Cuba	R Havana	9770	9655	6140	6035	5965		Americas	09/25/88	
DX Party Line	0630	0035	Ecuador	HCJB	15155	11775	9720				NA	11/02/88	
DXers Unlimited	0635	0600	Cuba	R Havana	11760						Americas	09/25/88	
SW Feedback	0635	0600	South Korea	R Korea	9570	7275	6060				Am/GOS	11/05/88	
Communicator	0730	0730	Australia	R Australia	17750	17715	11720	9655	5995		As/Pac/PapNG	12/27/87	
Shortwave Panorama	0815	0800	Austria	ORF	15450	15410	13730	6155			Aus/ME/Eu	11/18/88	
Pacific DX Magazine	0845	0805	Guam	KTWR	11805						Far East	04/22/88	
AMR DX Program	0915	0900	Portugal	AMR Europe	9670						Eu	10/30/88	
DX Corner	0925	0900	Japan	R Japan	17810	15270	11885	11840			GOS/As/Oc	04/03/88	
SW Feedback	0935	0900	South Korea	R Korea								11/05/88	
SW Club	1045	1045	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	Eu	09/22/88	
DX Programme	1200	1200	USSR	R Tashkent	15455	11785	9600	9540	5945		As	Su after 2nd Sat/mo 11/05/88	
Communicator	1230	1230	Australia	R Australia	9770	9710	9580	7215	7205	6080	6060	As/Pac/PapNG	12/25/87
Shortwave Panorama	1230	1230	Austria	ORF	15450	13730	6155				ENA/Far E/Eu	11/18/88	
SW Feedback	1235	1200	South Korea	R Korea								11/05/88	
SW Feedback	1435	1400	South Korea	R Korea	15575	9750	9570				Am/SE As	11/05/88	
DX Corner	1525	1500	Japan	R Japan	21700	15230	11815	9695	9505		GOS/As/Am/Eu/ME	04/03/88	
SW Feedback	1635	1600	South Korea	R Korea	9870	5975					ME/Afr/GOS	11/05/88	
Communicator	1730	1530	Australia	R Australia	9580	7215	7205	6080	6035	5995	As/Pac/PapNG	12/27/87	
SW Feedback	1835	1800	South Korea	R Korea	15575						Eu	11/05/88	
DX Corner	1840	1800	South Africa	Radio RSA	17795	15365					WtC Afr/UK/Ireland	02/05/88	
DX Show & Mailbag	1915	1900	USSR	R Kiev	9600	7240	7205	5915			Eu	09/22/88	
DX Spot	1920	1900	Spain	Sp Foreign Radio	15395	15375	11790	9765			Afr/ME/Eu	05/17/88	
DX Corner	1940	1900	South Africa	Radio RSA	17795	15365	7295				Afr/ME	02/05/88	
DX Corner	2020	2000	Israel	Kol Israel	9855	9435	9010	7462	7355		NA/Eu/Afr	08/28/88	
Communicator	2030	2030	Australia	R Australia	9620	9580					As/Pac/PapNG	12/25/87	
SW Feedback	2105	2030	South Korea	R Korea	15575	7550	6480				Eu/ME/Afr	11/05/88	
DX Spot	2120	2100	Spain	Sp Foreign Radio	11790	9765					Eu	05/17/88	
World of Radio	2130	1600	USA	WRNO	15420						NA/CA/Eu	10/14/88	
DX Corner	2250	2230	Israel	Kol Israel	11605	9855	9435	9010	7355		NA/Eu/LA	08/28/88	
SWL Digest	2305	2300	Canada	R Canada Int'l	11730	9755					Carib	05/31/86	
R Sofia Calling	2315	2230	Bulgaria	R Sofia	11950	9700					NA/W Eu	10/29/88	

\*\* DAY OF THE WEEK: Monday

SW Feedback	0005	2330	South Korea	R Korea	15575						Am	11/05/88
-------------	------	------	-------------	---------	-------	--	--	--	--	--	----	----------

DX Corner	0020	0000	Israel	Kol Israel	9435	9385	7460			NA		08/28/88
DX Spot	0020	0000	Spain	Sp Foreign Radio	11880	9630				NA		01/11/87
R Sofia Calling	0045	0000	Bulgaria	R Sofia	11950	9700				NA/W Eu		10/28/88
DX Show & Mailbag	0045	0030	USSR	R Kiev	15455	15180	13645	9800	9640	7400		09/22/88
DX Corner	0120	0100	Israel	Kol Israel	9435	9385	7460			NA		08/28/88
DX Spot	0120	0100	Spain	Sp Foreign Radio	11880	9630				NA		01/11/87
DX Corner	0125	0100	Japan	R Japan	17845	17810	15195	11905		60S/Asia/NA		04/03/88
DX Corner	0220	0200	Israel	Kol Israel	9435	9385	7460			NA		08/28/88
DX Corner	0245	0200	South Africa	Radio RSA	11760	9615	9580			NA		02/28/88
DX Show & Mailbag	0315	0300	USSR	R Kiev	15455	15180	13645	7400	7205	7150		09/22/88
DX Corner	0325	0300	Japan	R Japan	21610	17825	17810	15195	11870	11840	7125	04/03/88
Shortwave Panorama	0415	0400	Austria	ORF	15410	6155	6015			ME/WNA/Eu		11/18/88
R Sofia Calling	0445	0400	Bulgaria	R Sofia	11840	11735	9560	7115		Afr/NA		10/28/88
DX Spot	0520	0500	Spain	Sp Foreign Radio	9630					NA		10/03/87
Radio World	0800	0800	Belgium	BRT	21815	11695				SE As/Aus		04/09/88
DX Party Line	0930	0830	Ecuador	HCJB	11925	9745	6130			S Pac		05/17/88
Radio World	1005	1000	Belgium	BRT	21810	17595				Afr		10/12/88
DX Party Line	1206	1158	Ecuador	HCJB	6075					FarE/Jap		05/14/87
Radio World	1335	1330	Belgium	BRT	21815	17555				NA/SE As		10/12/88
SW Club	1615	1615	Hungary	R Budapest	15160	11910	9835	9585	9520	6110		09/22/88
RBI DX Club	2120	2100	German Dem Rep	R Berlin Int'l	6125					Eu	biweekly	05/19/88
DX Party Line	2130	2130	Ecuador	HCJB	17790	15270				Eu		05/03/86
RBI DX Club	2205	2145	German Dem Rep	R Berlin Int'l	5965	6125				Eu/ENA	biweekly	05/19/88
DX Program	2350	2300	USSR	R Moscow	15405	13605	12050	9890	9765	9720	9530	09/22/88
** DAY OF THE WEEK: Tuesday												
RBI DX Club	0005	2345	German Dem Rep	R Berlin Int'l	9730	6080				ENA	biweekly	03/11/88
RBI DX Club	0120	0100	German Dem Rep	R Berlin Int'l	9730	6080				ENA	biweekly	05/19/88
DX Program	0150	0100	USSR	R Moscow	13605	12050	12010	9890	9700	7210	7195	09/22/88
RBI DX Club	0205	0145	German Dem Rep	R Berlin Int'l	11785	9730	9620	6080		WNA/ENA	biweekly	05/19/88
DX Party Line	0230	0035	Ecuador	HCJB	15155	11775	9720			NA		11/02/88
SW Club	0230	0230	Hungary	R Budapest	15160	11910	9835	9585	9520	6110		09/22/88
RBI DX Club	0320	0300	German Dem Rep	R Berlin Int'l	11785	9620				WNA	biweekly	05/19/88
SW Merry-Go-Round	0340	0300	USA	WHRI							R Earth repeat	05/31/88
DX Program	0350	0100	USSR	R Moscow	13605	12050	12010	9890	9700	7210	7195	09/22/88
RBI DX Club	0405	0345	German Dem Rep	R Berlin Int'l	11785	9620				WNA	biweekly	05/19/88
Sweden Calling Dters	0430	0400	USA	WHRI	9495	7405				Eu/CA/SA	R Earth repeat	10/14/88
DX Program	0440	0400	USSR	R Moscow	9640	9610	9600	9530	7290	6170		09/22/88
DX Party Line	0630	0035	Ecuador	HCJB	15155	11775	9720			NA		11/02/88

DX Program	0640	0400	USSR	R Moscow	9640	9610	9600	9530	7290	6170	WNA	09/22/88
Sweden Calling DXers	1240	1230	Sweden	R Sweden	21570	17810	15190				As/Pac	09/21/88
SML Digest	1330	1300	Canada	R Canada Int'l	17820	11855	9625				NA/Carib	10/12/88
Sweden Calling DXers	1410	1400	Sweden	R Sweden	21615	17810	15345				NA/As/Pac	09/21/88
Sweden Calling DXers	1540	1530	Sweden	R Sweden	17810	15330	15240				As/Pac/E Afr	09/21/88
Sweden Calling DXers	1810	1800	Sweden	R Sweden	11845	7265	6065				Eu	09/21/88
SML Digest	1905	1900	Canada	R Canada Int'l	17820	15260					Afr	11/17/88
Sweden Calling DXers	2110	2100	Sweden	R Sweden	9655	6065					Eu/Afr/ME	09/21/88
World of Radio	2300	2100	Costa Rica	R for Peace	21560							delayed 11/17/88
** DAY OF THE WEEK: Wednesday												
SW Club	0230	0230	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	NA	09/22/88
Sweden Calling DXers	0240	0230	Sweden	R Sweden	11705	9695					NA	09/21/88
World of Radio	0500	0100	Costa Rica	R for Peace	13660							delayed 09/04/88
Sweden Calling DXers	0340	0330	Sweden	R Sweden	11705						ME	09/21/88
Ham Radio Today	0800	0700	Ecuador	HCJB	9745	6130					S Pac	03/26/88
Ham Radio Today	1030	1030	Ecuador	HCJB	11925						S Pac	03/26/88
Ham Radio Today	1206	1158	Ecuador	HCJB	6075						FarE/Jap	01/30/88
DXer's Special	1750	1730	Argentina	RAE	15345						Eu/Afr/ME	02/26/88
Ham Radio Today	2130	2130	Ecuador	HCJB	17790	15270					Eu	01/30/88
DXer's Special	2220	2200	Argentina	RAE	9690						Americas	02/26/88
** DAY OF THE WEEK: Thursday												
DXer's Special	0220	0200	Argentina	RAE	9690						Americas	02/26/88
Ham Radio Today	0230	0035	Ecuador	HCJB	15155	11775	9720				NA	11/02/88
DXer's Special	0420	0400	Argentina	RAE	9690						Americas	02/26/88
Ham Radio Today	0630	0035	Ecuador	HCJB	15155	11775	9720				NA	11/02/88
Media Network	1050	1030	Netherlands	R Nederland	9505	6020					Aus/Carib	04/10/88
Media Network	1150	1130	Netherlands	R Nederland	21615	21480	17605	17575	9715	5955	Eu/ME/As	08/22/88
Media Network	1450	1430	Netherlands	R Nederland	17605	17575	13770	11735	5955		S/E As/Eu	09/04/88
SW Club	1615	1615	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	Eu	09/22/88
World of Radio	1630	1600	USA	WRND	15420						NA/CA/Eu	10/27/88
Media Network	1650	1630	Netherlands	R Nederland	15560	6020					S/E Afr	09/04/88
Media Network	1850	1830	Netherlands	R Nederland	21685	17605	15175	6020			Afr/Eu	08/22/88
Media Network	2050	2030	Netherlands	R Nederland	15560	11740	9895	9540			W Afr	08/22/88
** DAY OF THE WEEK: Friday												
World of Radio	0000	0000	USA	WRND	7355						NA/CA	10/14/88
World of Radio	0130	0000	USA	WRND	7355						NA/CA	10/14/88

SW Club	0230	0230	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	NA	09/22/88
Media Network	0250	0230	Netherlands	R Nederland	9895	9590	6165	6020			ENA	05/30/86
Media Network	0550	0530	Netherlands	R Nederland	9715	6165					WNA	11/21/86
DX Show	1615	1600	Portugal	R Portugal	15210						India/ME	11/13/87
DX Show	1915	1900	Portugal	R Portugal	15250	11820					Afr	11/13/87
DX Show	2015	2000	Portugal	R Portugal	11740						Eu	11/17/88
World of Radio	2100	2100	Costa Rica	R for Peace	21560							delayed
R Sofia Calling	2145	2130	Bulgaria	R Sofia	11720	9700	7115				Eu/NA	1st of wkend series

\*\* DAY OF THE WEEK: Saturday

R Sofia Calling	0025	0000	Bulgaria	R Sofia	11950	9700					NA/W Eu	10/28/88
World of Radio	0100	0100	Costa Rica	R for Peace	13660							delayed
SW Club	0230	0230	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	NA	09/22/88
DX Show	0245	0230	Portugal	R Portugal	11840	9705	9680	9600			SA/NA	01/16/88
World of Radio	0400	0400	USA	WRND	6185						NA/CA	10/14/88
R Sofia Calling	0745	0730	Bulgaria	R Sofia	11720	9700					W Eu	10/28/88
DX Party Line	0930	0830	Ecuador	HCJB	11925	9745	6130				S Pac	05/17/88
Pacific DX Magazine	1000	0930	Guam	KTWR	11805						AusNZ	10/28/88
SW Merry-Go-Round	1115	1100	Switzerland	R Swiss Int'l	17830	15570	13635	11935			SE As/Aus/NZ	09/06/86
SW Club	1130	1130	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	Eu	09/22/88
DX Party Line	1206	1158	Ecuador	HCJB	6075						FarE/Jap	05/14/87
Radio World	1330	1330	Belgium	BRT	21815	17555					NA/SE As	04/09/88
DX Programme	1330	1330	USSR	R Tashkent	15455	11785	9600	9540	5945		As	2nd Sat of month
SW Merry-Go-Round	1345	1330	Switzerland	R Swiss Int'l	21695	17830	15570	15135	13635	11695	E Afr/India/Aus/NZ	09/04/86
Pacific DX Magazine	1515	1500	Guam	KTWR	11910						India	02/22/88
SW Merry-Go-Round	1545	1530	Switzerland	R Swiss Int'l	21630	17830	15430	13685			ME/E Afr	04/09/88
Radio World	1630	1630	Belgium	BRT	21810	17585					Afr	11/12/88
Communications World	1710	1700	USA	VQA	17785	15580	15410	11760			Afr	09/10/88
Radio World	1830	1830	Belgium	BRT	11695	5915					Eu	02/28/88
Amateur Radio Spectr	1845	1800	South Africa	Radio RSA	17795	15365					W&C Afr/UK/Ireland	10/08/88
DXers Unlimited	1935	1900	Cuba	R Havana	11800						Eu/Af	11/12/88
Communications World	2110	1700	USA	VQA	17785	15580	15410	11760			Afr	05/24/86
SW Merry-Go-Round	2115	2100	Switzerland	R Swiss Int'l	15570	13635	9885				Eu	Biweekly
DX Radio Tips	2120	2100	Turkey	V of Turkey	9825						Eu	09/24/88
DX Party Line	2130	2130	Ecuador	HCJB	17790	15270					Eu	05/03/86
SWL Digest	2135	2130	Canada	R Canada Int'l	17820	15150	11880				Afr	10/13/86
Radio World	2200	2200	Belgium	BRT	9925	5915					NA/Eu	09/10/88
SWL Digest	2205	2200	Canada	R Canada Int'l	17820	15150	11945	11880	11705	9760	Eu/SE As/NA	09/25/88
DX Radth Tips	2320	2300	Turkey	V of Turkey	9680	9445	7250	7160			SE As/NA/Eu/ME	Biweekly

ABC TALKRADIO

RAY BRIEM SHOW --- "DX SPECIAL!"

SATURDAY, JANUARY 7, 1989--0806 UTC

NCE AGAIN, THE AIRWAVES COME ALIVE WITH NEWS AND VIEWS FROM  
UR PANEL OF DXPERTS! JOIN RAY--AND OUR GUESTS, STEVE MILLER  
F RADIO WEST; STEWART MACKENZIE OF THE AMERICAN SHORTWAVE  
ISTENERS' CLUB; GEORGE JACOBS, WORLD-RENOWNED SHORTWAVE  
GINEERING CONSULTANT; TOM KNEITEL, EDITOR OF "POPULAR  
MMUNICATIONS"; AND LARRY MAGNE, PUBLISHER OF THE "PASSPORT  
O WORLD-BAND RADIO". CALL IN AND ASK QUESTIONS, OR TELL TALES  
OUT YOUR EXPERIENCES IN ANY AREA OF DXING, WHETHER IT'S LONG-  
AVE, MEDIUM WAVE, SHORTWAVE, UTES, FM/TV/VHF/UHF, MICROWAVE  
SORRY, NO OVENS INCLUDED!), OR SATELLITE DXING. LISTENERS FROM  
OUTSIDE THE LOS ANGELES AREA MAY DIAL 1-(213)-879-8255, TO JOIN  
N -- JUST LET THE CONNECTION RING, UNTIL WE ANSWER--THEN, IT'S  
OUR TURN TO GO ON THE AIR, WITH RAY AND THE PANEL--REMEMBER, WE  
ANT TO HEAR FROM YOU!! (STARTING TIMES MAY VARY-CHECK LOCAL STNS.)

PRIME AFFILIATES

WABC- 770 KHZ	WNIR-100.1 MHZ	KABC- 790 KHZ
WSB - 750 KHZ	WISN-1130 KHZ	KTAR- 620 KHZ
WKOX-1200 KHZ	WJNT-1180 KHZ	KOH - 630 KHZ
WIOD- 610 KHZ	KSTP-1500 KHZ	KNST- 940 KHZ
WERC- 960 KHZ	WPTF- 680 KHZ	KFIY-1270 KHZ
WJBO-1150 KHZ		KTKK- 630 KHZ
KPRC- 950 KHZ		KZIA-FM - 101.7 MHZ

# NASWA

"UNITY AND FRIENDSHIP"

PUBLISHES *FRENDX* MONTHLY

## NASWA MEMBERSHIP FEES:

First Class North America .....	\$18.00
Overseas - Surface Mail .....	\$18.00
Airmail to Central America, Caribbean, Venezuela and Colombia ...	\$25.00
Airmail to South America and Europe .....	\$27.00
Airmail to Asia, Africa and Pacific .....	\$30.00

All remittances must be in U.S. Funds and mailed to:

**NASWA, 45 Wildflower Road, Levittown, PA 19057, U.S.A.**

***DXtra***

Besides *FRENDX*, NASWA also publishes *DXtra* ... a mid-month newsletter with the very latest DX news while it's still news. It is available only to NASWA members:

## DXtra SUBSCRIPTION RATES PER YEAR:

North America (First Class) .....	\$4.00
Overseas (Airmail) .....	\$6.00
Sample copies of <i>FRENDX</i> and <i>DXtra</i> are available for:	
North America .....	\$1.00
Overseas .....	\$2.00

**EXECUTIVE DIRECTOR** — R. Charles Rippel, 1272 Parkside Pl., Virginia Beach, VA 23454  
**PUBLISHER & BUSINESS MANAGER** — Bill Oliver, 45 Wildflower Rd., Levittown, PA 19057  
**CONTACT** — Steven G. Moye, 178 Bartlett Ave., Cranston, RI 02905  
**EASY LISTENING** — Alex Batman, 300 Hill St., Apt. 6, Boone, NC 28607  
**DXERS FORUM** — Rowland Archer, 5524 Hawthorne Park, Raleigh, NC 27613  
**TECHNICAL TOPICS** — Ted Benson, 14705-B Watsonville Rd., Morgan Hill, CA 95037  
**LISTENERS NOTEBOOK** — Glenn Hauser, Box 1684, Enid, OK 73702  
**QSL REPORTS** — Sam Barto, 47 Prospect Place, Bristol, CT 06010  
**DXTRA** — Bob Hill, 15 Stirling St., Andover, MA 01810  
**DISTRIBUTING EDITOR** — John Kapiños, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545  
**LOG REPORT A** — Mike Harris, P.O. Box 294, Pickerington, OH 43147  
**LOG REPORT B** — Sheryl Paszkiewicz, 1015 Green St., Manitowoc, WI 54220  
**LOG REPORT C** — Jerry Ervine, P.O. Box 5204, Hidalgo, TX 78557  
**LOG REPORT D** — Wallace C. Treibel, 357 N.E. 149 St., Seattle, WA 98155  
**ENGLISH SCHEDULES** — Tom Sundstrom, P.O. Box 2275, Vincentown, NJ 08088  
**SCOREBOARD** — Jerry Lineback, 3959 Castle St., Douglasville, GA 30134  
**AWARDS PROGRAM** — John Kapiños, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545

**FIRST CLASS MAIL**

**NORTH AMERICAN SHORTWAVE ASSOCIATION**

45 Wildflower Road

Levittown, Pennsylvania 19057

FIRST CLASS MAIL

U.S. POSTAGE

PAID

Levittown, PA

Permit No. 319