

# FRENDX

## North American Shortwave Association

This is to Certify That \_\_\_\_\_  
 has presented satisfactory evidence of qualification for the special DX award of  
**ANTARCTICA DXER**  
 having logged and verified at least one shortwave broadcast station  
 in the continent of Antarctica.



## North American Shortwave Association

This is to Certify That \_\_\_\_\_  
 has presented satisfactory evidence of qualification for the special DX award of  
**SENIOR PERUVIAN DXER**  
 having logged and verified at least 25 different shortwave broadcast stations  
 in the Republic of Peru.





# Numero Uno

SWBC Weekly

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## NEWS ITEM

For release upon receipt

### 1988 NORTH AMERICAN DX CHAMPIONSHIP WINNERS ANNOUNCED

Log scoring of entries in the 1988 North American DX Championships has been completed. We are pleased to announce that the winner of this year's competition is James W. Young of Wrightwood, CA. Young's winning entry totaled 1,040 points and covered the full allotted listening time of 48 hours. During that period Young logged 182 countries (using the country list of the North American Shortwave Association)

Second place, with 754 points, went to Don Moore of Athens, Ohio. The third place finisher (585 points) was Dr. Harold Cones of Newport News, VA. The three top winners will receive trophies provided by Numero Uno. They and the next 17 finishers will receive certificates recognizing their participation in this year's contest.

The full top 20, in order of finish:

James W. Young, Wrightwood, CA  
Don Moore, Athens, OH  
Dr. Harold Cones, Newport News, VA  
Roger A. Morby, Derry, NH  
David G. Morby, Clifton Park, NJ  
Edward Kusalik, Coaldale, Alberta  
Errol Urbelis, Kings Park, NY  
E. Natale, Ironton, MO  
John Mosman, Olathe, KS  
Karl Forth, Chicago, IL  
Steven R. Lare, Holland, MI  
Dave Valko, Dunlo, PA  
Chuck Rippel, Virginia Beach, VA  
Dino Bloisse, Union City, NJ  
Frank F. Orcutt, Alameda, CA  
Linda Sue Morby, Scotia, NY  
James Kline, Santa Monica, CA  
Wallace C. Treibel, Seattle, WA  
Kevin J. Kline, Appleton, WI  
Terry Kelly, Bodega Bay, CA

NASWA Headquarters was deeply saddened to learn of the death on March 2, 1988 of former Executive Director Mac R. Leonhardt. Mac served as a Log Report editor before taking over the club in June of 1975. He continued as Executive Director until May of 1981 when illness caused him to give up the position. He served for some time after that as Business Manager, but finally had to give up his club duties. Mac will be greatly missed by his many friends in the shortwave hobby.

## Mac Reid Leonhardt

Mac Reid Leonhardt, 65, 52 S. 17th St., died late Wednesday evening at Reid Memorial Hospital after a long illness.

He was a native of Rocky Mount, N.C., and had lived most of his life in Richmond. He had worked 43 years for Richmond Fireproof Door. He worked in the sales department 25 years and retired in 1984 as purchasing agent for Richmond Fireproof Door in Liberty. He was a member of Elks Lodge No. 649, and member and past president of the North American Short Wave Association.

Survivors include his wife of 44 years, Phyllis E.; three daughters, Rosemary Pierson of Richmond, Rebecca Turnbaugh of Clinton, N.C., and Susan Leonhardt of San Diego, Calif.; one son, Thomas Reid Leonhardt of Poway, Calif.; seven grandchildren; one sister, Joanna Sheetz of Concord, N.C.; one nephew.

Funeral service for Mac Reid Leonhardt will be at 10 a.m. Saturday, March 5, at Doan & Mills Funeral Home, with the Rev. Robert E. Mazzola officiating. Burial will be in St. Andrew Cemetery. Friends may call from 3 to 5 and 7 to 9 p.m. Friday, March 4, at the funeral home.

Memorial contributions may be made to Reid Memorial Hospital Foundation for the Hospice Program or to St. Andrew Catholic Church.



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**MAY, 1988**

Greetings to the first CONTACT of Spring. I hope that your listening has been productive and interesting. Already I notice interesting things from Europe earlier in the mornings than has been the case during the Winter. My sincerest and most abject apologies to all of you kind people who look forward to our discussions here in this column for its absence last month—I now work about 7 days a week, and it has taken me some time to adjust. But, the adjustments have been made, and now it's time for your letters...

On to your letters. My remarks about the absence of early morning SW programming for North America. From *Kevin Klein* (Allpeton, Wisconsin) comes the following:

It is with a large measure of agreement that I respond to your comments in February CONTACT. I often attempt to listen to English news programs in the 1300-1500UTC time frame, and come up empty. Even the BBC, which presents its fine Outlook magazine show, is unrellyably heard on 12.095MHz and 15.07MHz at 1400UTC.

Most SWLs devote this time frame to seeking out new countries, and looking for unusual DX.

And this from *Lisa McGaw* (Chapel Hill, North Carolina):

In response to your query in the February FRENEX: Yes there is a serious lack of good English-language listening in the early morning hours (North America) on short wave. And it seems to get worse every year. Australia is there, but not as interesting as it once was. Wish something could be done.

A nice letter from *Jerry Bishop* (Niceville, Florida) takes up a number of topics that we have discussed here. Jerry is a long time and valued contributor to the pages of FRENEX in general, and to CONTACT in particular:

This an "off the cuff" letter, about this month's CONTACT and maybe other things, too.

Domestic SWBC is illegal in the USA, ain't it? To target specifically a US audience with a US based transmitter is against some law passed in the dark days before stereo TV.

I wouldn't call NDXE "dead" just yet, but I'll certainly support a move to size up a box and order flowers. I'm as curious as the next guy about Mr. Norman Dixon Norman and NDXE. *Opelika's* not all that far from here, and I'm considering a day trip there to ferret out the facts, if I can. Nothing definite yet, but there are some new towers up that way, according to the aeronautical charts. (Maybe, though, it's only a "paper" tower.)

DX here is suffering from power line noise and time constraints. No more all nighters, I don't have the energy, either. On the former trouble, the power company denies that they're the source of the noise. I'm about to dump the whole thing on the FCC. If Radio New York International was causing potentially harmful interference, them this mess must be lethal. I'll let you know if I win this one, but frankly, the odds are against it. No conventional noise limiter works—we'll see what Uncle Charley can do.

I never cease to be amazed at the wonderful oddity of laws that managed to get passed, presumably, on our behalf and in our best interest. Why, in Heaven's name, should domestic SWBC be illegal, of all things? The only reasonable answer is that the law was passed because of pressure from the broadcast industry to protect the concept of the local market. I should imagine that the principle of the local market makes it easier to locate and zero in on advertisers and their advertising dollars. Any comments on this interesting piece of jurisprudence?

Geographical thinking caps at the ready. *Ernie Behr* (NW Ontario)—who surely needs no introduction from me—writes as follows about the new NASWA Countries list:

In February the Country List Committee announced the addition of seven new "countries" to the NASWA list. No doubt this news was welcomed by many DXers whose Scoreboard totals received an unexpected boost, but has the creation of certain NASWA "countries" really made much sense?

Take Indonesia, which NASWA now counts as 9 separate "countries." Why did the Committee single out the tiny island of Ball, which was always included with the Lesser Sunda Islands, while the islands of Ambon and Ate, which are more than 300 miles apart, still count as one "country"? Neither political nor geographical conditions seems to justify this recent change, and no logical explanation for this decision was given.

Another odd example is Papua New Guinea which is regarded as 6 individual "countries," while mainland China has been divided into only 3 parts. NASWA has persistently refused to grant separate status to Xinjiang (a.k.a. Singkiang), even though this remote, autonomous region is almost totally isolated from the rest of China. Inner Mongolia is another region with a distinct identity, and these two areas of China would appear to be prime candidates for "country" status.

If Blafra and Katanga can be counted as individual "countries," why does NASWA continue to ignore Transkei which is, in fact, a legitimate independent nation—certainly more independent than Soviet occupied Afghanistan? Abu Dhabi, Dubai, and Sharjah have also become separate "countries," but what about Cabinda, the island of Masirah, Turkish Cyprus, and European Turkey which was the site of 4 SWBC stations during the 1960s?

Want a few more countries? Then how about dividing Antarctica into separate zones? And why not count the International waters as another "country," which would include such stations as the old RNI. Actually, I would prefer a more realistic country list, reflecting the present political situation of the world, even if this means the loss of a few points. If anyone has further comments on this subject, let's hear about it in CONTACT.

This topic takes me a trifle beyond my area of expertise. I would, therefore, welcome any and all instructional comment and remark on this subject. Perhaps members of the Committee would like to use CONTACT to express their views?

## Contact Bookshelf

The new edition of the World Radio TV Handbook should be widely available by now, and, without a doubt, you should not be without a copy. The format is much the same as in years past. There are listings of broadcasters by country with a cross reference by frequency. As well, there is a listing of English language broadcasts. There is a really excellent section of SW receiver reviews, compiled and written by Jonathan Marks and Willem Bos (of Radio Netherlands). A very readable article by Mike Bird (of Radio Australia) discusses the possibilities for solar activity for 1988. At \$19.95 (even less from some discount retailers), it is one of the pricing miracles of the publishing world. It is money well spent, and the standard reference of the SWBC world.

I just received a copy of the *Receiver Shopping List* (Edition 10.0, May 1988) from (and by courtesy of) Radio Netherlands International. This compact but extremely informative booklet of 40 pages ought to be one of the principal sources that you consult when you plan to buy a receiver. Virtually every available receiver—from portables to semi-professional units—is included. So far as I am able to judge, the comments and evaluations are both fair and accurate. The pamphlet is one of the hottest bargains around—it's FREE. All you have to do is write to RNI and ask for it: English Section (Attn: Jonathan Marks, Radio Netherlands, P. O. Box 222, 1200 JG Hilversum, The Netherlands).

Well, that's it for May. Typeface this month is ITCBookman; software is Quark XPress™. There'll be lots more next month. A special word of thanks from me is due to all those who have extended their sympathy and understanding to me upon the death of my Mom. Many thanks and warmest 73s—



# Easy Listening

Editor: Alex Batman, 300 Hill St., Apt. 6, Boone, NC 28607

## SUNDAY

2305-2315 "Mailbag" (Radio Vilnius). A fairly typical mailbag program with a male and female presenter who concentrate primarily on answering listeners' questions about Lithuania. Past questions have included the history of money in Lithuania, whether the Church pays taxes in Lithuania, and what the most common animals on Lithuanian farms. The "chatty" dialogue between the host and hostess, however, is obviously artificial and carefully scripted, far more so than on most such programs. Frequencies are: 7.165 // 7.400 // 11.790 // 11.860 // 13.645.

0010-0015 "Sports Round-up" (Spanish Foreign Radio). Each Sunday evening program includes the division I soccer results in Spain from the weekend and sometimes includes a brief summary of one or two important games. Basketball results are also regular, and other sports--such as tennis, racing, volleyball, etc--are included on an ad hoc basis. Check 9.630 // 6.125. Repeated at 0110 on the same frequencies and at 0510 on 6.125. A daily programme.

## MONDAY

2230-2245 "Monitor Forum" (WCSN). An interesting collection of human interest features, usually two per program. Past features have been an interview with Dizzy Gillespie, a focus on a veterinary hospital primarily for hedgehogs in England, and a mother's reaction to the new toys for children (which are actually old toys). I believe most of these features are written by regular contributors to the Christian Science Monitor newspaper. Quite a good program, really, interesting and entertaining with good production values. Check 9.495. Repeated at 0030 and 0230 on 9.850. Monday through Friday.

0135-0145 "Reviewing Your Letters" (Radio Moscow). I don't know whether it is the effects of Glasnost and the minor changes it has brought about in Radio Moscow or something more traditional. But I've found this to be one of Radio Moscow's better programs. Questions about the Soviet Union are left for another mailbag program (Moscow Mailbag", I believe) and this program reads letters from its listeners with appropriate comments about the suggestions, ideas, opinions, etc. I find it rather refreshing that they do not hesitate to read some highly critical comments from their listeners--some of which they counter and some of which they simply present at face value. I'm inclined to applaud the program for its unusual frankness in comparison with the Radio Moscow programs I've heard over the last several years. Frequencies are: 5.915 // 6.000 // 6.045 // 7.115 // 7.150 // 7.185. Repeated at 0335 on approximately the same frequencies.

## TUESDAY

0230-0250 "Citizens" (BBC). This is a return to the old days of radio comedy and drama. The series concerns five young people Alexandra, Michael, Anita, Julia, and Hugh who share a house together (separated into apartments of course), each of whom have different occupations and preoccupations (romantic, social, etc). Almost all episodes are discreet short stories, written by various different author, and aired in two parts, the first on Tuesday and the second on Thursday. It's actually quite good, but as an American listener I'm afraid that without pictures all the British accents sound alike (male and female voices excluded of course) and I sometimes have trouble keeping the characters straight. Frequencies are: 5.975 // 6.175 // 7.325. Tuesdays and Thursdays.

0300-0335 "Sports Beat" (Radio Beijing). And three cheers to Radio Beijing for not naming their sports program "Sports Round-Up" although it is not a typical sports program in other respects as well. Sports scores are not part of the program's format, but interviews with Chinese athletes and coaches, general information about sports in China, and when it is appropriate special feature reports on major sporting events (such as the winter Olympics in Calgary). Frequencies are: 9.770 // 11.715. Broadcast earlier at 0030 on the same frequencies).

## WEDNESDAY

- 0020-0025 "Youth Corner" (Radio Sofia). A general feature program on Bulgarian youth, their concerns, hobbies, lifestyles, etc. Past programs have featured the Students Academy in Bulgaria and an interview with a young historian. Frequencies are: 9.700 // 11.720. Repeated at 0420 on 7.115. Every other week supposedly but sometimes not there when it's supposed to be.
- 0205 Wednesday Talk (Radio Cairo). A loose collection of politically oriented and inspired features, such as the Egyptian five-year economic development plan, festivities in Egypt on International women's Day, and the debt problems of third world countries. Frequencies are: 9.475 // 9.675.

## THURSDAY

- 1245-1300 "Sports Round-Up" (BBC). Another sports program entitled "Sports Round up" although to be fair, the BBC may well have coined the term. Not only a run-down of sports scores, but more the sports journalism one would expect on ESPN, for example, with player interviews, issues on the various sports, and other features of interest to fans of British and international sports. Frequencies are: 5.965 // 6.195 // 11.775. It is repeated at 2245 on 5.975 // 6.175 // 7.325 and is broadcast Daily.
- 0030-0100 "Music Now" (BBC) A collection of features, usually three but sometimes four per program, all related to music, but the emphasis is decidedly on classical music. Past features have included an interview with the managing director for the new Royal Philharmonic Pops, and interview with a Wagner scholar on Wagner's recently retranslated anti-semitic writings, and interview with Itay Vaughn Williams' widow about her biography of him, etc. Occasionally something not quite distinctly classical creeps in, such as one feature that was done on "New Age" music (which is not at all what I thought, so be careful. It's closer to classical than you might suspect). Frequencies are: 5.975 // 6.175 // 7.325.

## FRIDAY

- 2240-2245 "Letter from Jerusalem" (Kol Israel). a loosely structured essay touching on a number of topics of current interest in Jerusalem specifically and Israel in general. As one might suspect, most of the program has recently focused on the disturbances in the occupied territories, but there is a certain and human touch to this program that one might not find in specific political journalism like "Spotlight" (see below). This is not repeated at 0140 as Kol Israel's general format might lead one to suspect it would be. Check: 7.462 // 9.435 // 11.605.
- 0045-0100 "Recording of the Week" (BBC). Each week a guest presenter examines his favorite release of the music industry in Britain, and, although the title or format would seem not to be so narrowly limiting, I have yet to hear anything but classical releases. Past programs have featured the Richard Strauss opera Arabella, a rerelease on compact disc of a twenty-five year old recording conducted by Leopold Stakowsky, etc. Broadcast on 5.975 // 6.175 // 7.325.

## SATURDAY

- 1510-1540 "Focus on Asia and the Pacific" (Radio Moscow). "A look at the issues and concerns of over half the world's population" as Radio Moscow bills it. Of course this is a number of topic news features all related to issues in the Asia/Pacific region, including Japanese charges that the Soviet Union represents a military threat to the Pacific region (which Radio Moscow belittles), protests over the continued presence of American bases in the Philippines (which gives them a chance to editorialize a little), and a standard five to ten minutes on "Regional News," such as Indian-Chinese border dispute negotiations, and earthquake in Japan, or security for the upcoming Olympic games in Seoul. Check 11.840 for this daily programme.
- 2233-2300 "Spotlight" (Kol Israel). After a brief summary of the news Kol Israel presents this current affairs oriented program on issues in the middle-east. Obviously in the past few months most of the program has been taken up with interviews and features on unrest in the occupied territories, both with Israeli Jews and Jews in the Diaspora (the latter especially when Prime Minister Shamir visited Washington to discuss the Schultz initiative). Unlike other Kol Israel programs this one is repeated at all four air times. Check 7.462 // 9.435 // 11.605. Repeated at 0000, 0100, and 0200 on the same frequencies).

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# DX'ers Forum

Conducted by:  
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E-Mail: ODDX or ACE BBS  
ID = Chuck Rippel  
Deadline: 17<sup>th</sup> of the month



May, 1988

Last month, a very old friend of mine came from out of town for a short visit. I guess that in itself is not too newsworthy except in this case, the "out of town" he came from was Kinshasa, Zaire. My friend is attached to the US embassy in that country and has been serving as communications officer there for some months now. Being an avid ham operator and DX'er for as long as I have known him, Tom brought back with him a video tape he had made of some of his contesting activities along with many absolutely fascinating stories about his life in Zaire. Suffice to say that we in this country have amenities which even their simplest form are considered absolute luxuries in his country of assignment. Despite some of the challenges he faces adapting to his different way of life, one cannot help but notice the appreciation Tom has for the exposure and understanding he is receiving of this very different culture.

Perhaps we as shortwave listeners often take for granted the ease in which our global awareness and understanding of other cultures can be broadened. By simply tuning in with our radios at the right times, we are able to experience many cultures of the world from the comfort of our homes. If you want a graphic example of what I am talking about, tune into the easily heard Venezuelan broadcaster Ecos del Torbes on 4.980 about 8 or 9 in the evening. As you listen to the music and programming, try to picture the audience and perhaps what they are doing as they are listening to the broadcast. Think about their interests and concerns and how the radio station fits into their day to day lives. We can't all have the advantage my friend Tom has being able to experience first hand other cultures, but with the help of the medium of shortwave broadcasting, we owe it to ourselves and others to develop a more deep and well-rounded understanding of our neighbors.

If you want to hear Tom, he signs 9Q5NW on 28.500, 21.250 or 14.180 plus or minus QRM on around 17 or 1800 Sundays GMT. He is rather a colorful fellow and you might enjoy giving him a listen.

## ADDENDUM DEPARTMENT

In April DX'ers Forum, I listed those vendors who supported the successful SWLFEST in Willow Grove, PA last February. By my own swift keystrokes, I omitted one major supplier who supported the event. Electronic Equipment Bank of Vienna, Virginia. Dick Robinson supported the event by not only sending a quantity of books and other goodies, he also was kind enough to send along two of the popular Ambassador model 2020's! The presence of these two fine receivers really sparked up the level of door prize ticket purchases. Should you be interested in finding out more about EEB and what they carry, here is their address:

Electronic Equipment Bank  
516 Mill Street, N.E.  
Vienna, VA 22180  
Order line: 800-368-3270

Also, please remember the other suppliers who supported the SWL FEST, Grove Enterprises and of course, Universal Shortwave.

The DX Scene is quieting down some but here are some timely items in the news lately:

**BRUNEI** Per letter from Sapawi Bolhassan, Superintendent Engineer, Says Brunei Government has shelved plans for a dedicated external service. He suggests the possibility that the station may be permitted to relay national broadcasts on SW. (HERKIMER, NU #951)

**BULGARIA** Stolnik (Presumed), 0408-0530+, weak but mostly clean with light classical music. Interesting little IS @ 0430 and 0530. (SHEEDY, FT #468)

I noted with some amusement the following note appearing in "League Lines" of the April 1988 issue of QST, that "the ARRL Interference Reporting System (AIRS) filed numerous reports of nonamateur-to-amateur interference with the FCC Treaty Branch based on observations by it's volunteers included in these reports were: [...] Radio Fujian (China) on 80 meters. Also reported were radio Moscow and Radio Tirana (Albania) on 40 meters and Russian maritime stations on 15 meters." I wonder if the league will get some QSL's?

No doubt the increase in postal rates effective April 3rd caught the attention of Forum readers; "domestic first class rates are now \$.25 for the first ounce and \$.20 for each additional ounce with a \$.15 cent rate for post cards. "How about DX," you ask. There have been big changes here also. According to the Norfolk Postal

Information bureau, the Caribbean and Central American rates have been abolished. New rates for all DX (excluding Mexico and Canada) are \$.40 / ounce for surface mail and \$.45 / half ounce for airmail. Mexico will be charged the domestic rates but Canada will cost \$.30 per ounce. QSL's sent "post card style" will cost \$.15 for domestic and Mexico, \$.21 for Canada, \$.28 for surface DX and \$.36 for airmail DX. IRC's are now at the steep rate of \$.95 each! Kinda makes mint stamps look better and better! (From VADXCX newsletter VIA ED)

During a chat I had with P29FG VIA amateur radio which took place on April 11, it was revealed that they had some problems with the mail in Papua New Guinea during the month of December. I was told that much of the mail that arrived during the first part of that month had some how been contaminated with diesel fuel. Also, by sheer luck, one of the post office supervisors stopped "helpful" postal workers from burning the contaminated mail after it arrived in the central post office. If anyone had any PNG reception reports which might have arrived during that time frame and have not yet gotten an answer (like me) there might be the reason. (ED).

This month Kirk Allen joins Rowland Archer in presenting the next installment of the "On to the Middle" series, a guide to becoming an intermediate level DX'er.

## On to the Middle

### Part II: QSL'ing -- What Works, What's Just Throwing Your Money Away?

by Kirk Allen and Rowland Archer

Welcome to Part II of "On to the Middle," a series of articles devoted to helping you make the transition from novice to intermediate DX'er. This time around we're taking a practical look at QSL'ing, with an eye towards saving you money and increasing your returns.

Just as in the other "On to the Middle" articles, we'll assume you are familiar with the basics, in this case the fundamentals of writing a good reception report. If you're not, you'll find an introduction to this fascinating aspect of the hobby in nearly any general introduction to DX'ing and SWL'ing. We also recommend two excellent references devoted to QSL'ing in particular: Gerry Dexter's *Secrets of Successful QSL'ing*, (Lake Geneva, WI: Tiare Publications, 1986), and Henry Lazarus' chapter "The Verification Game" in *Shortwave Radio Listening with the Experts*, edited by Gerry Dexter (Indianapolis, IN: Howard W. Sams & Co., 1986).

Since the basic techniques of reception report writing seem to work well for QSL'ing most of the major international broadcasters, we will concentrate on the techniques helpful in QSL'ing the smaller stations, and the less reliable verifiers.

#### AXIOMS OF QSL'ING

About the only sure thing about QSL'ing is that there's no sure thing about QSL'ing. When you write a letter to a radio station and ask them to respond with a QSL card or letter, your request is subject to all the vagaries of any correspondence with another human being. It sounds obvious, but many people seem to forget that they're writing to a human, not to a "radio station," when they send reception reports. There is a chance (maybe 10%?) that your report will be highly valued by the recipient at the station. More likely, it will at best be viewed as one more chore to attend to "tomorrow" if ever. Think about how you feel when you sort through your mail. What do you usually do with unsolicited requests for money from unfamiliar people or organizations? That's probably what happens to your reception reports at many of the smaller stations.

Many, perhaps even the majority of small shortwave stations will QSL correct reports at times, but it may take months or even years of trying, with a frequent need to send "followups," a term used to describe duplicate reminder reports.

Despite the capricious nature of QSL'ing the smaller stations, there are some axioms to the game:

1. You must have an accurate report in front of the right person at the station at the right time to get a QSL. Much of your success in QSL'ing depends on your ability to write an accurate report, decide who to send it to, and know when it's worth your while to try.
2. You will not get 100% QSL return from your reception reports if you venture at all from the large international broadcasters, and probably not even from them.
3. QSL "policies" simply don't exist at many of the world's shortwave stations. The decision to reply or not may be made on the spot by the person opening your letter, so don't expect rational, predictable behavior.

This unpredictability is simultaneously responsible for the lure and frustration of QSL'ing the smaller stations. It's a real challenge to pry a verie out of many of them. You will tear your hair out when you read in Sam Barto's "QSL Report" column that someone else just verified Radio "We-Don't-QSL" with their first report, while you've still heard nothing after 10 tries!

## RECEPTION REPORT ESSENTIALS

We believe that a quality report is the foundation of successful QSL'ing. Worrying about the finer points of QSL'ing without building a good base first is a waste of your time and money. Although this article is not an introduction to reporting, here are a few reminders on some of the basic aspects of reporting that, if neglected, can hurt your success rate:

- o **Keep your report courteous and non-demanding**, even if you are sending a follow-up report and feel angry because the station seems to have ignored your previous efforts. Remember that the personnel at regional stations are not paid to answer correspondence from foreign listeners. Your goal is to reach someone who may be inclined to respond to your letter, not seek revenge for past neglect! Don't send a critical or insulting letter; it will only find its way quickly to the trash and perhaps cause further damage by turning the reader off to answering DX'ers in general.
- o **Report the date and time in local terms**. Each country's *World Radio TV Handbook* listing has an entry that tells you how to compute local time. It is near the start of listing and looks like "L.T: UTC + 2h," e.g., which says to add 2 hours to the UTC time of your logging to get local time. If the country observes Daylight Savings Time (DST), that is shown here with a date range followed by a different "UTC +/- X" value. If your logging occurs during that date range, the DST part of the year, use DST and indicate this in your report. Take care to report an accurate local date, keeping in mind that the local date changes at local midnight.
- o **Report the frequency in local terms**. Frequency in kiloHertz is understood in most of the world, but if the station's announcement says "kilocycles," why fight it, report in "kcs." Many broadcasters may recognize their meter band more readily than their frequency, so give both. Some broadcasters, notably Indonesian regionals, may only be aware of their wavelength in meters, written in the form "62.63 meters" (a comma where we would use a decimal point), and may not recognize their frequency if you report in kHz. Divide 300,000 by the frequency in kHz to derive the wavelength in meters.
- o **Report concise and meaningful details**. Make it easy for the reader to see that you did indeed hear their station. Try to log and report things such as the text of station ID's, sign-on or sign-off announcements, and the exact names of programs, their sponsors, and presenters. This type of information is far more valuable than precise timings of when "the male announcer stopped talking" and "the female announcer started talking." These kind of "details" are of very little value in convincing the station that you heard them.

## PLAN A QSL ACCIDENT

A while back Dr. Harold Cones wrote a *DX'ers Forum* article whose subject was "Planning a DX Accident." The premise of this article was that great DX catches combine a bit of luck with a lot of persistence and planning. QSL'ing combines these same characteristics of being unpredictable and yet responding to a well-organized approach and a "never-say-die" attitude.

If you plan to QSL a lot of stations, you can save a money and time by recognizing that many stations have "hot" and "cold" periods with respect to verifications. What usually happens is that a new person joins the staff of a station that hasn't verified for a while, and starts answering reports until they either get bored or flooded with QSL requests after their name gets publicized as a verie signer in club bulletins. If you report primarily to stations that are known to be QSL'ing at the moment, you will have a higher success rate and thus waste less money on reports that disappear into a "black hole."

The key to this approach is to concentrate on the stations that have answered other DX'ers very recently and, as much as possible, use the techniques that worked for them. The *FRENDX* "QSL Report" column is a goldmine of information to help you here. Every month there are likely to be many reports of stations you "need" who have recently answered other listeners. The column usually contains other useful information, such as the language used in the report, the type of return postage sent, the verification signer's name and title, and at times a new station address. If you can quickly log the station and send a report to the verie signer using the same language and return postage, you have a fair chance of success. If you sent an unanswered report more than 3 or 4 months back to a station someone else has just QSL'd, send a duplicate or perhaps a new report addressed to the reported verie signer.

Quick action is important, especially if the station hasn't verified for a while. Once a verie signer's name is published, it may not be very many weeks before he or she receives hundreds, perhaps even thousands of reports. Two recent examples of stations that sent out a lot of QSL's, then cooled off considerably due to receiving a flood of reports are Radio Botswana and the new BBC Relay in Hong Kong.

## FOREIGN LANGUAGE REPORTS

An English reception report always has some chance of eliciting a reply since English is a major global language. However, in general you are fighting the odds if you report in English to a regional broadcaster in a country where English is not in common use. The *World Radio TV Handbook* lists each country's principal languages under the heading "Pr.L" at the start of that country's section. Your best option is to write your report in one of the languages listed there, in decreasing order of priority, since the languages are listed in decreasing order of usage. There are many aids available to help you write a report in Spanish, French, Portuguese, and Indonesian. If none of these is a principal language in your target country, you have two choices:

- (a) Send a report in one of these languages and hope for the best. Watch QSL report columns to see what has worked for other reporters. English or French seem to be the best choices for reports in a non-principal language.
- (b) Find someone who can translate your English report into the primary language of that country. Foreign language departments and foreign student organizations of nearby universities are good sources for inexpensive help in language translation. Although this approach may seem like too much work for a first report, it just may work when other attempts to QSL a station have failed.

Clearly the first-class approach would be to learn the primary language of each country you wish to QSL, and write an individualized letter. This is impractical for most of us, so the next best approach is to use one of the many foreign-language reporting guides to help you assemble a letter in that right person's tongue. The *Language Lab* series of foreign language reporting guides, by Gerry Dexter (Lake Geneva, WI: Tiare Publications, 1986, 1987), are easily the most comprehensive guides available for DX'ers. There are currently four volumes in the series, one each for Spanish, French, Portugese, and Indonesian language reporting. If you plan to do much reporting in any of these languages, you will want to get one or more of the "Labs." Each Language Lab contains 16 sections, covering all components of the reception report, e.g. "Openings," "Program Descriptions," "About Yourself," "Verification Request," etc. In each section, a good selection of the most common things you will want to communicate to the station are stated in English, and then in the target language. The labs do the best job of providing several alternate ways to state most things, so by picking and choosing paragraphs from the different sections of the book you can assemble a personalized report.

In addition to the premium Language Labs, there are a number of low cost or free aids available from many radio clubs and stations, including:

- (FR) French Report Guide, \$3 Australian, for ARDXC members only, from the Australian Radio DX Club.
- (IN) DX'ing Indonesia, no charge, from Radio Nederland Listeners' Services.
- (IN) Indonesian Report Guide, \$3 Australian, for ARDXC members only, from the Australian Radio DX Club.
- (RS) A Guide to Soviet Radio, low cost, send SASE to SPEEDX for current price. Includes a brief but serviceable Russian report form, and a good introduction to DX'ing the Soviets. Also has a useful map of Soviet transmitter sites.
- (SP,FR,PT) Foreign Language Reporting Guide, low cost, send SASE to SPEEDX for current price list. SPEEDX also has a tri-lingual reporting form for club members only.
- (SP) Latin American DX'ing, no charge, from Radio Nederland Listeners' Services department. Good introduction to logging and verifying the Latins. Includes a good example of a letter that shows you are interested in the station and the country, not just getting a QSL.
- (SP) Spanish Report Guide, \$3 Australian, for ARDXC members only, from the Australian Radio DX Club. A "mini" alternative to the language labs, contains a template for a SP report which includes several alternative ways of stating each of the major components of the reception report.

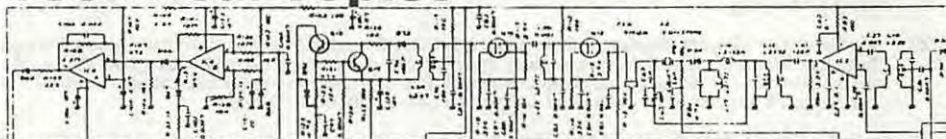
SP = Spanish, PT = Portugese, FR = French, IN = Indonesian, RS = Russian

Addresses:	Radio Nederland P.O. Box 222 1200 JG Hilversum Holland	Australian Radio DX Club P.O. Box 227 Box Hill, Victoria 3128 Australia
	SPEEDX 7738 E. Hampton St. Tucson, AZ 85715 USA	Tiare Publications P.O. Box 493 Lake Geneva, WI 53147 USA

The rest of this QSL'ing installment of "On to the Middle" will be presented later, and covers the topics of enclosures, return postage, followups, organizing your QSL'ing, and some ideas for dealing with those really tough verifiers.

• • •

# Technical Topics



Editor: T. J. "Skip" Arey, WB2GHA, P.O. Box 644, Waterford Works, NJ 08089-0664

## SPAM RADIO II OR THE MAGIC BOX

No matter how you slice your dollars, at least 75% of your allotted hobby budget should go toward your receiver. The remaining 25% will be divided up in antennas and accessories. The magic box that hears and translates all those signals from all over the world is the centerpiece of your operation. As I stated at the outset of this series, not everybody can afford \$1000 plus dollars to buy a rig to play DXer with. I put it to you that there are even some potentially very dedicated folks out there that are going to have to scrounge pretty hard to come up with \$100 dollars. Does lack of greenbacks make you any less of a SWL? Not in the least bunk! There are plenty of signals out there that can be caught for a very modest price. I would even go so far as to point out that unless you have been solely dedicated to DXing for about 5 years or so you will be hard pressed to notice any real difference in your listening habits from the person who sinks a wad into the hobby. As a matter of fact, I can point directly to several notable folks in our hobby who cut their DX teeth with very modest stations.

The main thing that an increased outlay of funds buys is selectivity. The more money you pour into the magic box the more Mr. Manufacturer can do with the IF strip mostly in terms of filtering to help you sort out the many signals you have to listen to. More money buys more stages. More money buys improvements in sensitivity, dynamic range and digital readout. You must also know that this tends to be an inverse geometric progression. As you move up in price range you get less and less of an improvement for each dollar spent. It remains that you should buy the best receiver you can possibly afford at any given time. The great radio guru BABA RAM GRID BIAS also tells Old Uncle Skip that jumping up from your operating position to buy a new receiver every so often may, for many, be an exercise in futility. This is because, unless you hit the lottery and can order RACAL's from the factory, you may not really notice the modest improvement. So BABA teaches that you should exhaust the potential of any receiver and keep on saving your pennies so when you do make a jump to a higher class radio you can make an even better purchase. As they used to say "Use it up, Wear it out, Make do!"

The person entering the hobby on a tight budget would do well to give strong consideration to the used equipment market. Within certain classes of equipment you can get about twice the performance per dollar by considering pre-owned gear. In the case of some very specific pieces you can even challenge new receivers costing four times as much. Of all the radios I have owned through the years I have only purchased two receivers new. I still hold my head up high at DX gatherings. I can even smile to myself when I know I have pulled out a signal with my used gear that another person spent a lot more money to hear.

Ah, but there are questions... Yes, you in the back with your hand raised.

"BUT UNCLE SKIP, WHERE CAN I FIND A USED RECEIVER?"

Used gear is everywhere. you just have to know where to look.

The first path to receiver procurement is to ask other interested hobbyists. If you know of no one locally you might consider putting your wants into print via FRENEX. Send your Want Adds to:

NASWA  
45 Wildflower Road  
Levittown, PA 19057

You should also keep an eye out in these pages for equipment others are listing for sale.

Pathway number two is to seek out local amateur radio folks. You can inquire if they have any receivers for sale and you can also ask about nearby Hamfests and Flea Markets. Hamfest listings appear in all of the major amateur radio magazines, QST, 73, and CQ. It is at such events you will find the widest selection of equipment.

Pathway three is to read the classified section of your local newspaper. After searching for over a year for a good deal on an R-390A, I turned up my pride and joy out of the back pages of The Atlantic City Press!

Pathway four would be to contact any of the major suppliers of Amateur and Shortwave Equipment and ask what they have on the used shelf. Check the commercial magazines such as POPULAR COMMUNICATIONS and MONITORING TIMES for these sources. Don't forget the aforementioned ham magazines.

Another question?

#### "UNCLE SKIP, WHAT'S A GOOD RECEIVER TO BUY?"

If I had a nickel for every time I have been asked that question I could afford an NRD-525!

The best receiver to buy is the best one you can afford new or used. To give some food to this thought I have scoured the pages of SHORTWAVE RECEIVERS PAST AND PRESENT by FRED OSTERMAN and have added to the equation all my fond memories of neat old radios I have known to come up with, drum roll please...

#### UNCLE SKIPS GUIDE TO RADIOS YOU CAN AFFORD!

We will now look at several price classes and I will endeavor to give you my modestly biased opinion as to the best values, new and used in each class. The only absolute standards I set in this guide were that each receiver would be a least Dual Conversion in design and have good SW frequency coverage.

##### BEST RADIO FOR \$50-\$75

Unfortunately there are no new radios in this class, but there are several fine used receivers that would make excellent start up stations especially for the youngster in the family.

The SHARP FU-610 GB has digital readout and can be had on the used market. It is a fairly sophisticated pocket rocket receiver as is the TOSHIBA RP-F11. If you want to have a neat table model rig that will give you good service you will have to go back quite a few years to some old RADIO SHACK pieces the REALISTIC DX-150, 150A or 150B. These were honest to goodness hot magic boxes for the entry level DXer. I am sure that several old timers have tears running down their cheeks just at the utterance of the names of these old toys. Sorry folks, no digital dials here but you can find someone over 30 to teach you how to use the bandspread dial and logging scale.

##### BEST RADIO FOR \$75-\$100

No new rigs in this class either. If you still have a soft spot for old REALISTIC's you can move up to the DX-160. A lot of NASWA loggings were made with this rig folks.

In this class you can begin to seriously access most modern technology. The SONY ICF-6500W can be had used and brings you digital readout as does the PANASONIC RF-2600 and RF-2800. Another really fun analog readout rig is the Kenwood R-300.

The best deal for the buck though, appears to be the UNIDEN CR-2021 which gives you such features as keypad entry and memories.

##### BEST RADIO FOR \$100-\$200

If you like oldies but goodies you can scour the hamfests for ALLIED SX-190s or HALLICRAFTERS SX-122s. More modern used gear would include the PANASONIC RF-2900 and of course the SONY ICF-2001 and ICF-7700.

In this class we can begin to look at new equipment such as the PANISONIC RF-820 pocket rocket and the SANGEAN AT5-801.

BEST RADIO FOR \$200-\$300

In the used world we come upon the venerable YAESU FRG-7 probably the last great analog readout receiver made. It would be shuffled along by its big brother the quintuple conversion, digital readout FRG-7000 which is probably still in use in many shacks. Both these units represent top of the line used receivers. The \$200 class enters the realm of the used SONY ICF-2010, but, LET THE BUYER BEWARE, some early versions of this finest of portables had front ends that were susceptible to blow out. You might also check out the PANISONIC RF-4900.

If you want to look back through the years several excellent buys abound. The DRAKE SPR-4, and the HAMMARLUND HQ-180A are still sought after receivers that give excellent performance. Many Broadcast Band DXers swear by their HQ-180As.

While the \$200 class represents the most fruitful pickings in the used gear market, the only new receiver I can get excited about is the SANGEAN AT5-803 and at that I would probably save a little longer and scope out a new SONY ICF-2010.

BEST RADIO FOR \$300-\$500

Here I must display my personal bias fully because it is my belief that the best new and used buys exist in the class. Those would be the COLLINS R-390A/URR in the used class and the SONY ICF-2010 in the new. As I often say, If you can afford better receivers than these, go ahead and buy them but don't expect to hear too much more than Old Uncle Skip.

Also in this class you might try the YAESU FRG-7700 and FRG8800. Both are fine receivers as is the KENWOOD R-2000.

Again, if you like old hardware this is the class you can surface an HRO-500 in.

BEST RADIO FOR \$500+

Good used deals on KENWOOD R-5000, ICOM R-70e and R-71s. I tend to argue in favor of the KENWOOD although the ICOMs have developed more status.

If you can afford more than \$500.00 for a receiver I will be glad to hire myself out to you as a private consultant for exorbitant fees so you can feel really good about spending all that money.

So you see you can get a magic box that will give you loads of loggings for just about any amount of money you can afford to part with. Don't sweat the bells and whistles too much, we all lived without them. It was only about ten years ago that digital readout was considered expensive unobtainium. Digital readout has no direct effect on how well a receiver receives! In the old days you couldn't just punch up a frequency out of a list of loggings. You had to tune around a bit. And guess what...You heard all kinds of neat things you wouldn't have listened for otherwise. This is called progress???

To save you self any serious trouble tracking down the best deal on a used receiver, I strongly recommend:

SHORTWAVE RECEIVERS

PAST AND PRESENT

Edited by

FRED OSTERMAN

\$5.95 + \$1.00 shipping from

UNIVERSAL SHORTWAVE RADIO RESEARCH

1280 AIDA DRIVE

REYNOLDSBURG, OHIO 43068

KEEP THOSE CARDS AND LETTERS COMING IN FOLKS!

73,

*Ship W32GHA*

# COMPUTER CORNER

Tom McElvy, Editor  
P.O. Box 9645  
Norfolk, VA 23505  
(804) 497-5151

Hello again, and welcome to this month's Computer Corner. Thought I would try something different this month, and use a new program, called PFS:First Publisher. It is a desktop publisher that is VERY reasonably priced (\$99.95) and has a multitude of features. This column is being set in 12 point Geneva type. Anyway, let's get away from the bull, and get on to computers and the SWL!

## Apologies Dept.

Last month, an article appeared here in the Corner about the SHORTWAVE ECHOCONFERENCE on the various SWL BBS's. Your beloved editor screwed up and didn't give proper credit to the author, **Robert Horvitz**, ANARC's Executive Secretary. Sorry about that Bob!

## A\*C\*E BBS to Move!

The A\*C\*E BBS is moving, effective July 1, 1988. The move of the BBS is to Peoria, Illinois, and the new phone number is not yet available. But, have no fear, here is what to do: Send a self addressed, stamped postcard to:

**ACE BBS**

**ATT: Phone Change**

**P.O. Box 2571**

**Shawnee Mission, KS 66201-2571**

ACE will write the new phone number on the postcards and return them, AS SOON AS THE NEW NUMBER IS MADE AVAILABLE. The board will probably go

off-line for the move around mid June, so be sure to retrieve all your mail before then. More on the move as it breaks!

## ANARC BBS Is Closing!

Due to increasing workloads and other interests, ANARC Sysop Bill Krause will be taking down the ANARC BBS permanently, effective **June 1, 1988**. Bill has done a wonderful job over the past few years; he and the board will be sorely missed. As you may recall, Bill has written a number of excellent articles on computers and the SWL, as well as authored the chapter on computers in Dexter's "...with the Experts" book. I am sure you will want to join me in wishing him the best for the future.

## TELECOMMUNICATIONS 101

Your Professor: Bill Cole

Whether you talk to Bill Krause of the **ANARC BBS** or to Tom Sundstrom of the **Pinelands BBS**, you hear the same lament. Most users "Rip and Run", a term meaning people take information from the BBS but don't contribute anything in return. When asked about this, many users complain that it takes too long to type a message on a BBS. Considering that most BBS users call long distance, this is a valid concern. What most users don't know is that there is a better and faster way to post messages on a BBS than to type them

on-line with Ma Bell's meter running. *Type them before you call!!* Yes, type them ahead of time.

Prepare your message ahead of time using a text editor or word processor. If you use a word processor, make sure that it can produce a file in pure ASCII, that is **without** any control codes, or other special formatting characters. When preparing a message for the Pinelands BBS, for example, your message can be 99 lines long with 70 characters in each line. Save your message as a plain ASCII text file. Call your favorite BBS and follow its format for posting messages. At the point where you are prompted to enter the message, instead of typing it, upload your prepared message using ASCII protocol. (Commodore users must insure that the file is translated into **standard ASCII**, else upper and lower case characters will be reversed.) After the upload is complete you close the message in the usual way. Your message has now been transmitted at 2400, 1200 or 300 baud depending on the BBS and your equipment! Even at 300 baud, your message was placed on the BBS **3 times faster** than the world's champion typist could have done it.

The Pinelands and ACE BBSs are operated by ANARC member clubs. According to ANARC's recent telecommunications survey, they are North America's most popular radio-related BBSs. They can be reached 24 hours a day at:

**PINELANDS:**

(609) 859-1910

**ACE BBS:**

(913) 677-1288

(Ed. Note: Please remember to

contribute to these and other boards...their life and usefulness is dependent on YOUR contributions! And Bill has shown you how to do that quickly and painlessly! So, people, let's get some good material on those boards!)

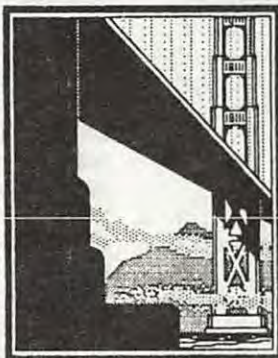
**Computers and SW Radio:**

**Then and Now...**

by Bill Krause  
part one of a series

About eight years ago when a friend, and fellow SWL, urged me to rush out and spend a thousand dollars on one of the new home computers that were just hitting the market I was more than a little skeptical. I told him I could not envision any possible connections between home computers and shortwave radio listening, or any other uses for a computer that would justify spending the kind of money that I felt could go to buying a quality receiver. However, within

two years I had purchased a VIC-20 computer with 3K of memory and I was on my way. I have written both articles and programs linking computers and shortwave radio. I am now the Sysop of one of the most popular radio related BBS's in operation. All this serves to illustrate the point that with the explosion of home computer technology it has always been difficult if not impossible to predict future developments or trends in the computer/shortwave radio connection. What I want to do with this series of articles is look at past developments, the present situation and see if we can get a feel for what MIGHT happen in the future.



The first bridge between computers and radios was in the area of software. I had some ideas about how computers could aid me in my radio hobby. I wrote of these ideas in a couple of articles that appeared in **FRENDX**. However, I had to translate these ideas into instructions (programs) that would enable the computer to perform the tasks that I required of it. I studied programming in a rather haphazard fashion with the goal of producing these programs for myself and the use of others. The results were crude by any standard. However, I did produce programs which made my SWLing and DXing both easier and more effective.

The first thrust of my programming were in the areas of an English language schedule database for the SWL side of me and a propagation program that calculated daylight-darkness patterns for the DXer side of me. Fortunately for all, Bill Cole read my articles and took an interest. We corresponded and it turned out that he had a real "gift" for programming. (Ed. Note: that was an understatement!) He radically improved upon my programs and made them much more sophisticated. From schedule databases and propagation programs, Bill and I branched into other areas such as log sorting programs, log writing programs and reception report programs. As time past, Bill's skills as a programmer mushroomed and he produced more and more sophisticated programs.

The first programming was done on Commodore computers. This was not necessarily because this is the computer that both Bill and I used, but rather because Commodore computers in the early days of home computers were far less expensive than any other brand of computer and thus many more of them were sold and came into the hands of the radio hobbyist.

Today, the trend is towards more sophisticated programs dealing with the basic programming themes that Bill and I developed in the early days of this aspect of our hobby. A second trend is to develop programs for segments of the radio hobby not previously hooked up to computers. An example of this is the development of specialized needs of other segments of our hobby such as TV-FM DXing. I expect that all types of programs will become ever more sophisticated as the machines they run on become equally more sophisticated and more powerful. However the programs will not become more difficult to use. Instead, because of this sophisticated software and hardware, the programs will become even more user friendly and simpler to use.

#### Next Month: The Early Days

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Well, I guess that just about wraps things up for this month. My deepest thanks to Bill Cole and Bill Krause for their material.

Have **YOU** got an interesting application for personal computers and shortwave radio? How about sharing it with us? I am especially interested in articles dealing with the RFI problem as associated with the use of personal computers in the home (regardless of their location relative to the radio room). Feel free to send in material in any printed format; if on a floppy, it must be in a MS-DOS format, preferably in pure ASCII text.

Thanks again for all your support in the past! 'Till next month,

73!



# NASWA Awards Program:

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

Greetings and welcome to the May edition of the NASWA Awards Page. The following folks recently earned NASWA Awards:

Rowland ARCHER, Jr, Raleigh, NC: All Continent QRP DXer (5 Kw endorsement)  
Paul BUER, Miami, FL: Antarctica DXer  
Edward J. CICHOREK, Somerset, NJ: European Continental DXer  
Richard F. DAVIS, Portales, NM: Antarctica DXer  
Gerry L. DEXTER, Lake Geneva, WI: Senior Peruvian DXer (Certificate #001) with 100 station endorsement  
John M. KAPINOS, Shrewsbury, MA: Antarctica DXer  
Rick KRZEMIEN, San Ramon, CA: Antarctica DXer  
Stephen LEITE, Fall River, MA: Antarctica DXer  
Kevin MIKKEL, Park Ridge, IL: Antarctica DXer  
Joseph MOLON, Fairfield, CT: World Wide DXer, European Continental DXer  
Thomas V. ROSS, Lyons, IL: Antarctica DXer, Senior Ecclesiastic DXer  
Nobuaki TAKAHASHI, Tokyo, JAPAN: Antarctica DXer  
Gayle VAN HORN, Orange Park, FL: ORTF DXer, South American Continental DXPert  
John M. WILKINS, Wheat Ridge, CO: Senior Peruvian DXer, Antarctica DXer  
Kent WILLIS, Louisville, KY: North American Continental DXer

## \*\*\*\*\* IMPORTANT ANNOUNCEMENT \*\*\*\*\*

It is with great pleasure that we announce that the Arab World DXer and Arab World DXPert Awards will be once again available effective June 1, 1988. Only those countries listed on the June 1, 1988 Eligible Country List may be used for the Award requirements. These Awards were previously discontinued due to some rather serious inconsistencies in the Countries Eligible List. Our thanks to those folks who wrote regarding these Awards, your input was most valuable.

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

Well, we survived Tax Season. Of course, we had to file IRS Form 4968 (Application for Extension to File) for our personal return. With the end of the infernal season it's fun to have nights, Saturdays and Sundays off again, sort of forgot what a regular 40 hour week was like.

Contrary to those who accuse ye olde kap of never turning his radio on, here is proof to the contrary. A few weeks ago we actually decided to listen to, log and report our DX catch of the year - KUSW. During our logging session mention was made of a contest and we sent in the required postcard. Alas, we won. We are now the proud owners of a genuine KUSW cap (to add to kap's cap collection), T-Shirt, key chain and bumper sticker. Maybe soon we'll be receiving a QSL card.

We've been enjoying the excellent SWL Net on 7240 at 1500 UTC Sundays. Bob Brown and his crew are doing a bang up job and a tip of kap's cap to them. If you're licensed, join them, if not listen in. It's worth the time as there is some very timely and most valuable DX information passed on every week.

Till next time,

Best,  
*[Signature]* 4/24/88

NORTH AMERICAN SHORTWAVE ASSOCIATION  
Eligible Country list for Arab World Award Series  
Effective June 1, 1988  
Compiled by: John M. Kapinos

- 1 Aden (Democratic Republic of South Yemen)
- 2 Algeria
- 3 Anglo-Egyptian Sudan (Sudan)
- 4 Egypt
- 5 Ethiopia
- 6 French Morocco (Morocco)
- 7 French Somaliland (Afars & Isas) (Jibouti)
- 8 French West Africa (Mauritania)
- 9 French West Africa (Niger)
- 10 Iraq
- 11 Kuwait
- 12 Lebanon
- 13 Libya
- 14 Oman
- 15 Palestine (Israel)
- 16 Qatar
- 17 Saudi Arabia
- 18 Spanish Morocco (Morocco)
- 19 Spanish Sahara (Morocco)
- 20 Syria
- 21 Tanganyika (Tanzania)
- 22 Tangier (Morocco)
- 23 Trans-Jordan (Jordan)
- 24 Trucial States (United Arab Emirates)
- 25 Tunisia
- 26 Turkey
- 27 Yemen
- 28 Zanzibar (Tanzania)

Considerable thought and work has gone into the preparation of this list. The major source of information was the Reader's Digest World Wide Atlas. Arabic is listed in as one of the principal languages used in the appropriate country. The Official NASWA Country List is used. While Arab is in fact used in many other countries it is not considered to be a principal language with respect to the requirements for the Awards.

To make things clear, here are the requirements for both Awards involved

- Arab World DXer For verification of at least one station in each of 15 countries that use Arabic as a principal language
- Arab World DXPert Same as Arab World DXer, except for 24 countries as the requirement.

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DR. DX INVENTS THE SWL OLYMPICS

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Dr. DX was sure excited about the Winter Olympics. What Dr. DX liked best was the part where a grown man laid down on his back on a tiny board and sledged down a hill at 100 miles an hour. Dr. DX figures that a person who would do that without someone holding a gun to his head is certainly not playing with a full deck. That made Dr. DX think. Mrs. Dr. DX says that most of Dr. DX's friends are not playing with a full deck, and since most of Dr. DX's friends are shortwavers, Dr. DX decided it is high time somebody invented the SWL Olympics (Dr. DX can sure dream 'em up sometime!). Mrs. Dr. DX says that only somebody with a mind like Dr. DX's would think of something like that (Mrs. Dr. DX is always saying something nice about Dr. DX). So Dr. DX got out his old thinking cap. Boy Howdy! Dr. DX is sure excited about planning for the SWL Olympics. (Dr. DX thinks this kind of planning comes natural to him because his great, great, great, great, great-grandfather, Dr. DXaclease, was Greek--Dr. DX knows he inherited a lot from his great, great, great, great, great-grandfather DXaclease, because a lot of life is Greek to Dr. DX.) Dr. DX figures that the Dr. DX SWL Olympics have to be held some place real classy, so Dr. DX selected the classiest place he knows, the pink and purple Pancho Villa Room at the beautiful and historic Fiesta Motor Inn in Willow Grove, Pennsylvania. When Dr. DX called the beautiful and historic Fiesta Motor Inn, the nice man told Dr. DX that they did not think they were going to host any more radio events after the last one and then mumbled something about Dr. DX's mother coming out from under the porch and biting Dr. DX on the leg. Dr. DX is going to have to look around to find another classy place and hopes he can find a K- Mart that would like to host the SWL Olympics. Dr. DX has figured out some real good events. Dr. DX thinks the first event has to be pretty hard so Dr. DX has decided it should be the "Universal Shortwave Catalog Carry." In this event, shortwavers will try to carry 100 Universal catalogs four times around the meeting room. Dr. DX has decided that the person with the smallest hernia will be the winner. Dr. DX thinks another good event would be the "IRC Shuffle," where shortwavers go to post offices all over the host city looking for IRCs. The first one to find a clerk who knows what an IRC is wins--Dr. DX will give bonus points if the clerk actually has any IRCs (Dr. DX is pretty sure he can save his prizes on that one). Another jim-dandy event is "AMTRAK Roulette," where shortwavers are required to take the AMTRAK from their home towns to the host city. Anybody who gets there the same week as the SWL Olympics will be a winner. Dr. DX will give a lot of bonus points if the trip can be made without setting foot in New York City. Dr. DX thinks another good event would be the "Pop' Comm Subscription Renewal Wait." For this event, shortwavers send in their renewals to "Pop' Comm" and collect reminders that they have not yet renewed. The winner will be the person who does not get an ulcer from fretting about if his renewal ever got there and if he will he ever see another "Pop' Comm" again. Dr. DX holds the world record in this event with four reminders, so Dr. DX thinks this may be almost as tough as the "Universal Shortwave Catalog Carry." Another good event would be "Free Table Racing," where the doors to the SWL Olympics are opened at a specific time and the person who can race from table to table and get all the free stuff ahead of everybody else will win. Extra points will be awarded to the person who can completely clean out an exhibitor's table before anybody else even gets there. Then Dr. DX thinks another peachie event would be the "Receiver Loss." In this event, shortwavers try to convince their spouse that the tax refund big bucks should be spent on a new receiver. The winner will be the person who convinces their spouse in the shortest time, and with the most expensive receiver. Dr. DX is still working on some events, like how many no data BBC cards can a shortwaver collect before he loses his sanity, how much beverage can be consumed while putting up a beverage antenna, and how many foot long hotdogs can be eaten while reading "Listener's Notebook." Dr. DX is still thinking a lot about the SWL Olympics, and when he gets it all figured out, he will let you know.



# Listeners Notebook

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**AFGHANISTAN** R Afgh via USSR, 9640, from 1830 GM, 1900 EG & local mx, 1929 Mayak 15; G 21/3 but 7160 not hrd (Ernie Behr, Kenora Ont) Monitoring 27-30 Mar: Since 27/3, R Afgh's AR svc at 17-1730 obs on 11895 & 11880 tho still ancg 9675 7225 (WBI 7/4) HUTA!

**ALGERIA** Algiers on 9493 in FR, bad mod //9510, 0845 Football magazine pgm, 09 nx. Vy strong 19/2, new fq, couldn't track down a 15 MHz // (Mick Ogrizek, March ADXN) FR net 2nd 3lmb fq drifting 9538-9543, at 0800 //9510 & 15215 (RA JP DX Time 3/4)

R Algiers Intl Svc; a = ancd but unconfirmed. 02-0230 SP AM 17745a 9640a 981 V of the Chilean Resistance, presented by Info bureau of Anti-Fascist Chilean Resistance in Algiers. 11-12 SP Eu/ME 15215 9640 9509 981. 1703-18 AR ME 117:5 7145 6160 +MW/LW V of Palestine, V of the Palestine Revolution, presented by PLO. 19-20 EG Eu/ME & 20-21 SP Eu/ME both on 17745a 15215 9640 9509 981 (WBI 25/3)

RTA Algiers, 1702 14/4 in AR, text of closing armt of VOPVOPR pgm: At end of today's pgm [4/4 (sic)], we remind our brothers in occupied homeland, in Eu, Arab East and the two Ams that we xmit on SW: 31.55m 9510 kHz; 31.25 9510 (as hrd); 31.24 23456 (as hrd); 25m 11715; 40m 7245; 49m 6145; 49m 6160; 13.87m 21635 in addn to MW & LW. Ed note: but VOP pgm is currently hrd on 11715 7145 6160 1161 1098 1989 891 693 549 200 153 (WBI 15/4)

**ANGOLA** [Cf March LN-16] My report of R Nacional on 4820.3 at 05-06 could be a full-time relay of Luanda via Huila, since WBI 19/2 reported this fq as Huila. See ARGENTINA (Ernie Behr, Ont, 23/3) 7245, Luanda, interesting sigs on 24h sked, G arnd 03-0330+ mixed w/REF. Lcng path or short? This is still one mode that defies all explanation! VOA Monrovia on 6035 also strong this day 4/4 at same time, for comparison (Bob Padula, ADXN)

**ANTIGUA** New fq for DW EG to Au is 9720, E \*0900 9/4, ex-6160 (Bob Padula, Victoria) See also GERMANY WEST

**ARGENTINA** R Nacional on 9720, reported in DXtra and thence on SWLD as "Argentina" is most likely Angola, at 1545-1845; and "Argentina" on 9710 at 0415 in EG, in April LR-C is also questionable (Ernie Behr, Ont, 8/4) R Nacional Mendoza, 6178, presumed but no definite ID; fast SP nx show 0700, jammed in betw WYFR & VOA 4/4; latter s/off 0800 making reception easier (Robert Shepherd, Qsld, April ADXN)

**AUSTRALIA** [Confining ABC to 'core' activities--nx, current affairs, drama, kid features, as suggested in a discussion paper] would end ABC as we know it. Instead of comprehensively pgming, would be more a complement to ads. Reduction in activities, corp sponsorship, advertising, departure of orchestras, R Australia and fewer pgms as defined under the charter, certainly means the end of ABC as we have known it (David Hill, ABC Managing Director, Four Corners TV pgm via RA Communicator 3/4 via WBI 7/4)

RA Communicator reported 17/4: Brandon soon to be added to RA xmtr site list. MW xmtr for 4QN already there 50km S of Townsville Qsld. When Lyndhurst closed down last year, three of its 10-kW xmtrs taken there. Ron (JPlaice), Controller of Tech Svcs says to improve evening sig into PNG, Solomons; room for xmtrs and SW ants, both a log-periodic and later on four curtains. The 10s not that much better than 100 from Shep, but to be replaced soon w/100s, producing superb sig into targets. LPs also moved from Lyndhurst, awaiting slow delivery of curtains from America. Hope first xmtr w/LP on air by Junend, curtains by yearend. Langs Tok Pisin, FR, EG. Since target so close, curtains will be 2x2 rather than 4x4, and wide angle, not meant for long distances (WBI 22/4)

RA-Shep regular on 5085 at 0800 w/PNG svc //5995 (George Tolson, SA, ADXN April) Spur widely hrd all over country now; mixing prods from RA 49mb really dreadful (Craig Seager, ADXN ed) I say again & again: funny fq 910 kHz away from real one is receiver-produced image, twice the 455 kHz IF; xmtrs not to be blamed in such cases! (gh)

Gold Coast TAFE, 1656 kHz, tent log only on no clear ID, but not MW spur; sked Fri/Sat only to 1400; F-P at 1100 w/contemporary rock. few IDs; power list 50 watts; 5/3 (Robert Shepherd, Qsld, March ADXN) There are a number of schools operating low power xmters arnd 1611 kHz; Telopea Park HS hrd on 1611 but is just 800m from (John Ewens, Au, April ADXN)

A U S T R I A W/out advance, or it seems post notice, Austrian SW Panorama has been monitored since end of March at times one hour earlier to NAM: UTC Sun 0100-0115 on 9875, and 1135-1150 on 15320. This does not mean that all EG pgms from RAI are one hour earlier due to Eu DST as is the case w/other stns, as the 0430 has not changed to 0330 to match the 0130 change to 0030. From J88, 9875 also to be used for later xmsn (gh)

ORF absent from 6000; seems 10 kW Moosbrunn vanished; D87 was used 03-07 Eu w/100/500 kW (Bob Padula, April ADXN) At Aprilend, still waiting for new printd sked (gh)

B A N G L A D E S H R Bangl on 9775, from \*1357 IS & Urdu to 1500\*, VG 6/3 & other days, //6241.1 weaker, once on 6240.1 instead (Ernie Behr, Kenora Ont, 23/3)

B E L G I U M RTBF Radio Four Intl, mainly rebc of DS in FR; ES pgm output feature pgms amount to abt 25 hpw; one hour later during winter time. In German 1030-1045 w/nx from BRP-1 to Eu/Af 21460 9925; rest in FR: 0330-0515 M-F Af 11660 9925 incl overseas svc msg 0405-0430. 04-0430 Sat Af 11660 9925 Seamen pgm. 0430-0515 Sat/Sun Af 11660 9925. 0530-0630 M-F Af 17675 15540. 0530-0945 Sat/Sun Af 17675 15540. 10-1030 Eu/Af 21460 9925. 1045-1205 Eu/Af 21460 9925 incl Seamen pgm Sat 1130-12, DX pgm Sun 1130-12. 1205-15 Sun Eu/Af 21460 9925 [\*\*] svc for Belgians abroad 15-1545 exc Sun. 16-1800 Af 21460 15540 incl seamen pgm 16-1630 Sun; Week in Belgium, 1730-18 Sun. Missionary pgm 1730-18 Thu; DX Pgm 1730-18 Fri; fq change for last 5 mins of xmsn to 17675 15540 to 1805; Sun/Wed/Sat extends to 2015 incl pgm for Seamen 1930-20 Sat (WBI 15/4) \*\* insert: 15-1545 daily same incl

B H U T A N BBS, Thimpu, 6035; still no sign of xmsn on 9615. Since AIR techs involved in erection and commissioning of new 50 kW xmt, you can trust them to be as late as ever (Dr Supratik Sanatani, India, IDXCI ADXR #97 rather than dated)

B R A Z I L During meeting of Braz DXers in Aparecida, a DX contest will be held in collab w/R Aparecida; open to all DXers hearing stn 14/5 during weekly DX pgm Encontro DX". Special key-phrase mentd during pgm, also understandable by those not understanding PT; every DXer mentg key-phrase in report will rcv spl QSL card. Is at 22-2230 on 5035 6136 9630 11855 (Antonio Ribeiro da Motta, São José dos Campos SP, Feb)

A Voz do Brasil reported 12/4: Pres José Sarney has authorized privatisation of 15 radio stns that belong to Radiobras [govt being authority]. Per Civil Household Chief Ronaldo Costa Couto, Pres Sarney has auth RB to privatise 12 FM stns, 2 AM stns, and a Porto Velho TV stn plus 5 repeaters. Voz do Brasil is nx pgm from RB in Brasilia carried by all Braz radio stns (WBI 22/4) So ¿no SW stns are involved? (gh)

C A M B O D I A Monitoring 13-14 Apr: VOPK obs on 4907 from apx 0600 until 0730 //6090 & 9695; 11-1530 //6090 918; 23-0130 //6090. 4907 used till late 1970s but has not been traced since then (WBI 22/4) Yes it has; you just did it; should have said "had not..." (gh)

C A N A D A Riyadh, Saudi Arabia on new 11880 at 2145 12/3 makes it very hard to make much sense of SWL Digest on Sunday morn [local], which has one of the few truly useful DX tip segments on SW at the moment (Craig Seager, March ADXN) Keep after RCI by writing to insist on putting SWLD on the Japan relay! (gh)

C A N A R Y I S L A N D S REE has been relaying fcn svc pgming on 11815 at 2145, while on old Tenerife fq 15365 at same time, locally produced pgm hrd, called "REE en las Islas Canarias," addr Apartado 1233, and Calle San Martin No. 1, Santa Cruz de Tenerife. Two 50 kW xmters at site but usually both // (Takayuki Inoue, Nishi-Tokyo DXers Circle, via RA JP DX Time 10/4 & March ADXN) 15365 \*2200 w/SP svc, and from Canary, substd mod, presume locally produced segment 25/3; used 11815 for D87 (Bob Padula, Vic) M88B sked from REE does not show Canary used for any relays; could be stn now produces own pgming only, and therefore under ARDXC rules is a new stn (Mick Ogrizek, April ADXN) Actually, REE relay via Canary still listed for 11815 in M88, so something strange here; and 15365 listed for Nolejas 22-02 daily w/REE SP ES (Mick Ogrizek, DX Press) Further detective work needed, to work out just what is being bc from Tenerife, when, and by whom! (Bob Padula, ibid.) Local pgming out of Tenerife on one fq or the other noted here for a long time (gh)

C H I N A CFBS-1, Beijing, 6750, interesting segment of apparent Indian style instl items 2050-2059 22/3; have hrd this segment previously, purpose unclear! Other days, AR mx at this time! (Bob Padula, Vic) Beijing ES now on 4960 w/Std CH 20-2025 //6975 6995 all hrd. Sked seems \*20-21\*; same fq w/JP \*0930-13+ 6/4 (Bob Padula, Vic) Jiangxi PBS, Nanchang, 5020, excellent at 1320 2/4 w/EG les (Mick Ogrizek, Au, DX Press) Beijing Russian on 7780, 2130 14/3, only one of a string of bizarre fqs, //7700 7590 7760 et al (Craig Seager, ADXN) REE via Xian up from usual 11870, on 11873, much weaker than usual, 30/3 1127 in SP (Seager, ADXN) SRI via Beijing on 6550 w/IS 1311 13/4, then As svc //11695 15135. Ex-6825 where another svc is now (Seager, ibid.) SFR relays now listed 10-11 on 7165 Beijing 102 degrees, and 11-12 11870 Xian 138 deg, both in SP (Bob Padula, April ADXN)

Hunan Meteorological BCing Stn, 0010-0035 on 10946, mx & wx; also reported on 7950 0820-0845 but not hrd yet; stn not listed in WRTVH (Gordon Darling, PNG, RA JP DX Time 17/4)

Zhongguo Xinwen She nx agcy, Peking reported 22/3 from Shanghai: China's first local FM

EG-lang radio pgming begins 28/3 in Shanghai PBS on 107.7, 22-01 & 03-0555; apart from relay ing China intl radio bcng stn (presumably means R Beijing [not exactly, long-existing domestic pgm in EG -gh]) EG pgm, also to include spl reports on scenic spots in Shanghai and E China region, investment climate, finance, market, economic roundup; Chinese, western classical, pop mx; readings and discussions of lit by modern Chinese & form writers. Also incl course learn to say it in Shanghai Dialect, for formers already grasping basic Std CH. EG svc chiefly for benefit of formers working in Shanghai, touring or visiting. Also for EG students. Ads to be carried; both Chinese and form enterprises welcome (WBI 1/4)

C O L O M B I A Rdif Nacional, 17708.7v, from 1600 piano & orch mx past 2030 w/IDs 26/3; also 23-24 SP talks 30/3; USB xmtr varies 17708.65 - .85 (Ernie Behr, Kenora Ont, 8/4) On 17709, Bogota G 2045 w/instr numbers, fairly conservative mx choice, 2100 into gong & ID, calls HUND, mx. Seemed reduced carrier, not SSB, 16/3 (Craig Seager) How about reduced carrier and USB (gh) Since 8/4, R Nacional obs in SP on 17708.6 USB from apx 1445 to f/out apx 2200 per monitoring 8-11/4 (WBI 15/4)

Ondas del Ortegua, Florencia, 4975, typical Col tunes 1050, ments Col; over China co-ch 13/4 during one of its infrequent active periods (Craig Seager, ADXN April) R Macarena, Villavicencio sked on 5975 24h M-F, 11-01 wknds. Correct addr is Calle 38 No. 32-41, Piso 70 [sic--is there really a 71-story bldg in this town? Probably 7<sup>o</sup> meaning séptimo = eighth], Villavicencio, Meta. Mgr is Enrique Zambrano Nieto (Gordon Darling, April ADXN)

C O S T A R I C A R for Peace International has moved from 15493.5 to 13660 for the M-F 21-24 xmsn; tho interference is less, absorption is greater, and overall no improvement in reception here; skirts LUHF to NAM tho improves slightly toward end of xmsn. Should go to 17, 21 or even 25 MHz instead. RFPI is raising funds for new xmtr of higher power; join Friends of RFPI for US\$25 worldwide. Members will also get newsletter, skeds. New addr for this is: P O Box 10869, Eugene OR 97440. May also test on 7375 in daytime besides usual Tue-Sat 01-04 xmsn there; 21555; and earlier from 18 on 13660. World of Radio sked Tue 23, Wed 03, Fri 21, Sat 01; own mbg pgm follows Fri 2130, Sat 0130 (gh)

R Lira, hrd for first time here on 15460, MUF creeping up now! 25/3 2120 f/in, SP relig feature, ballads, thru 2157\*; long fades, peaked arnd 2135 (Bob Padula, Surrey Hills Vic) 9725, continuous EG relig pgming from t/in 1255, 1300 hvy QRM from BBC Sing co-ch in CH; 1330 obliterated by VOA-Phil in Indo 1/4; no ID given, but widely reported here (Seager, Au, April ADXN) Apr-May AWR Current from Italy article on AWR-LAM: R Lira began 22/10/86, now 56 hpw mainly in EG/SP. On campus of Adventist College for CAM, uses students in many work aspects. Two bc studios, prod studio, large recording area where groups can perform. Currently 5 kW xmtr but plans purchase 40 kW underway. Ant is rotatable yagi abt 115 ft hi. See GUATEMALA (WBI 25/3)

C U B A R Rebelde reported 16/4: Construxion soon begins on new Solvisión TV centre in Guantánamo, costing megapagos; part of socio-cultural complex planned for Mariana Grajales Revolution Square. To occupy more than 6 kilocubicmetres, incl two studios. Should be finished by 26/7/95. Gitmo comms workers are improving and expanding xmsn net to eliminate shadow zones now amounting to 30% of terr. M.G.R.S. project begins expl plan to be extended to counterparts in other provs (WBI 22/4)

C Y P R U S Nicosia on new 9635 for GK to UK weekends \*2215, also hd //7205, seems ex-49mb 1/4 (Bob Padula, Vic, April ADXN)

C H I L E etc R Sistema Nacional, Stgo, reported 6/4: At 1120 6/4, Chile established first radio hookup between Chil terrs in 3 continents; via R Nacional de Chile comms system to commemorate discov of Easter Island, w/R Pucara of Arica representing American cont; R Soberanía de Villa las Estrellas at Teniente Mark base, King George Island, repping Chil Antarctic; and R Manuquena repping Easter Island, Oceania (WBI 15/4) Wow, symbolic deed

E C U A D O R LV del Upano, 5964.4, \*1050-0242\*v, ntoed 19-25/3, general ID "Radiodifusora Católica de Cultura Voz del Upano...ciudad de Macas, capital de provincia Morona Santiago, en la Rep. de [l] Ecuador, América del Sur...Dr. Camilo Gallego Domínguez." Two antens used during s/on and off, 11-1120 Catholic mass, F-G (Ron Howard, Santa Bárbara CA, 26/3) V del Upano hrd on 3 rqs, 5964.36 strong, //5999.26 w/QRM, //5040.06 fair, from 0130 LAM songs & talk past 0215 27/3 as reptd on SWLD (Ernie Behr, Kenora Ont, 14/4)

HCJB EG svc now acting as QSL route for R Nacional; keep reports separate from those for HCJB (HCJB via April ADXN)

E G Y P T R Cairo, 9900, from 2000 FR, 2116 EG pgm, AR ID & NA to 2245\*, 19/3 strong sig but low mod; not Baghdad as reptd on SWLD 19/3 (Ernie Behr, Ont, 23/3)

Al-Qabas, Kuwait reported 15/4 on an iv w/Amin Basyuni, DirGen of Eg bcng: Holy Koran R began in early 1980s; xmsn hrs gradually increased to 18 hpd, xmtrs strengthened again & again. At least 70% of time recitations from Koran, per listener insistence; rest stuff about it & Islam. Great progress w/V of the Arabs, highly efficient xmtrs, plus ES. Computers introed, studios and eng eqp modernised. Since 1981 establishing a new local radio stn every year; latest is Canal R (Idha'a al-Qanat) to open in Ismailiya 31/5/88; total 10 plan ned. These offer direct svc to environment. Central Delta R (Idha'at Wasat al-Delta) covers Gharbiyah governorate, Minufiyah, Kafr al-Shaykh. Alexandria R covers that city & vicinity. Northern Upper Egypt Radio (Idha'at Shamal al-Sa'id) covers 4 U.E. govts. Eastern Delta R (Idha'at Sharq al-Delta) incl Canal R, plus N Sinai R (Idha'at Shamal Sina), S Sinai R (Idha'at Janub Sina), New Valley R (Idha'at al-Wadi al-Jasid), Red Sea R (...al-Bahr al-Ahmar) (WBI)

FINLAND FBC final ES sked for 27/3 to 24/9 from Pori, as expected 19/2: 6120 NEU 240 degrees 100 kW 03-2215. 9550 C&WEu 220 500 16-21. 9560 C&WEu 220 500 0515-07. 9635 Nam 325 500 01-03. 9670 EEU/ME 130 250 03-0515. 11715 ME 160 500 03-0515. 11755 Nam 325 500 01-03. 11755 C&WEu 225 500 0515-07 & 16-21. 11755 EEU/ME 130 500 14-16. 11755 SAM 240 500 21-2215. 11945 Nam 310 500 11-14. 15115 C&WEu 225 500 Sat/Sun 10-11. 15185 ME 160 500 14-16. 15245 FE/Japan 60 500 0830-10. 15325 C&WEu 225 1000 kW SSB 10-11 [It has been suggested this be a misprint for 100 kW; maybe, but it so happens that during this hour except Sat/Sun on 15115 above, both 500 kW xmters are otherwise unaccounted for; of course, PEP on SSB from same xmttr would be more than AM rating -gh]. 15400 Nam 310 500 11-14. 15400 SAM 240 500 21-2215. 17795 SEAs/Au 90 500 07-0830. 17795 FE/Japan 60 500 0830-10. 21550 SEAs/Au 90 500 07-0830.

Add xmsns from 1/6:11755 C&WEu 220 250 07-13. 11945 FE/Japan 60 500 21-2215. 15185 ME 160 500 03-0515. 15185 C&WEu 225 250 16-21. 15270 C&WEu 225 250 0515-07. 17800 ME/WAF 160 500 14-16.

EG segments are: 0230-03 9635 11755. 0430-05 6120 9670 11715 15185. 0630-07 6120 9560 11755 15270. 08-0830 17795 21550. 0830-09 15245 17795. 11-1130 M-F, 12-1230 M-Sa, 13-1330 daily, 1330-14 Sun all on 11945 15400. 14-1430 11755 15185 17800. 1830-19 6120 9550 11755 15185. 21-2130 6120 11945 11755 15400 (via Richard Lemke, St Albert, Alta)

At 0830 11/4, R Finland bc ID & fq amnt in Japanese before usual s/on in EG; is FE xmsn at 0830-0855 on 17795 15245 (WBI 15/4) Airmail pgm 0830 19/4 replied to impatient Japan listener: YLE=FBC in favour of JP & adding Spanish too, but this'd require more funds from state. FBC has requested funds for weekend pgms in JP, but unk if to be approved. In summer may add info flashes in JP. But sig to Lam still fairly poor, so seems less likely SP will be realised in near future. (WBI 22/4)

FRANCE RFI ancd 25/3: From 28/3 at 11-12 daily RFI'11 xmit pgm in AR w/two nx bulls, one for Maghrib, other for ME; plus political and cultural ivs; feature on daily life; all sorts of records chosen by listeners. Monitoring 28-29/3: obs 11-12 on 21520 one day, 11845 the next (WBI 1/4) RFI ancd 2/4 1100: 11845 for Maghrib, 21520 for ME (WBI 7/4)

21520 is Moyabi, 11845 France. A new WOOF fq is 21850 12-16 in FR to Af/Indoc; and merely OOB is 15460 to SEAs in FR 15-17. Complete EG sked as revised 1/5: 0315-0345 on 7135 7175 9790 6175 9790 11700 9550 11995 3965 and Guiana 9800 11670 11995. 1245-1310 on 9805 11670 15155 15195 to EEU; 15365 17720 21645 N&C&M. 16-17 3965 11705 11705=Moyabi 17620 17795 15360 (gh, from RFI sked)

RDP R Comercial, Lisboa reported 11/4: For Minister João de Deus Pinheiro says France is favorably inclined to authorise Port radio stns [in France] to work round the clock. Spoke after meeting w/French counterpart Jean-Bernard Raimond (WBI 15/4)

CABON Monitoring 2-4 Apr: at 1514 on 21700 R Japan ancd Moyabi relay, due to tech diffs beyond our control, pgms not coming thru from Tokyo; nx instead. Similar amnts in FR & JP, light mx. Amnts repeated until 1700\*. 3/4, same; 4/4, pgms in PT & SP 09-10 were obs as normal on 17755 Moyabi (WBI 7/4) Such outages not unusual (gh)

GERMANY EAST RRI still on 13610 \*0530 GM to 0615\* for Af 20/3; seems their only 13 MHz outlet, carried thru from D87 (Robert J Padula, Surrey Hills Vic, Australia)

GERMANY WEST RFE/RL xmit on 4 fqs in 75mb; sked from 27/3: Lampertheim 3960 20 kW 21-07 RS. Biblis 3970 100 02-03 RM, 03-05 CS, 21-24 CS. Biblis 3985 100 00-01 RS, 01-03 ES/LV/BR/LT. Biblis 3990 100 03-05 & 21-23 PL. New OOB 17612.5 07-12 RS 250 kW from Holzkirchen (Robert Chester, RA JP DX Time 20/3)

Next DX pgm from DW in GM Mon 28/3 at 0915, 1315, 1715, 2115, Tue 0115, 0515; thence 4-weekly. (Robert Chester, RA JP DX Time 20/3) I monitored one of these; tho in GM seemed a real dozer w/techs gabbing, not ancrs, no DX tips (gh)

DW on new unsked 13780 in GM 2035-2130+ 18/3; seems Eu site; 13790 also at same time w/Af svc (Bob Padula, Vic) J88 DW expanded OOB use: 13780 11-18 J SEU/ME. 13790 06-08 J WAF, 11-12 J FE, 18-2130 W Af, 2130-01 J Lam. 15510 09-10 J Af, 1430-17 W SAs. 15545 10-15 J SEAs. 15595 11-12 J FE, 1430-17 W SAs, 18-19 J ME. J=Julich 100 kW, W=Wertachtal 500 kW (Bob Padula, April ADMX) DW's total output figure: 578:20 per week, lang-wise led by GM natch, 166:30, just a sesqui-hour short of continuous, then EG 68:50; Russian third at 35 hpw. Sanskrit would be last, but not differentiated from Hindi/Urdu (gh, from WBI 15/4)

SDRI, Stuttgart uses 6030 at 0455-2305, but the 14-17 segment is M-F only; pgms one hour earlier in summer [but xmsns too?] (WBI 1/4)

GHANA GEC-1, Accra, multilingual svc: 0526-0615 on 4915 and irregular 3350; 0615-0905 on 4915; Sat & Sun also 0905-1159 on 4915. 1159-2305 on 4915. EG nx segments when Diable include: 06-0610 home nx also on GEC-2. 07-0715 nx and press review also on GEC-2. 18-1815 nx, contry, press rev also on GEC-2. 20-2015 home nx also on GEC-2. 2015-2030 Ghana newsreel, ditto; 2245-2252 news review, ditto.

GEC-2, in EG: 0525-0905 3366, 0905-1110 M-F educational svc 7295; 0905-1225 Sat/Sun on 7295. 1225-1706 7295, 1706-2305 3366. Pgms include: 0534-0536 pgm pvv. 06-0610 home nx. 07-0715 world nx and press review. 0745-08 Sat Africa this Week. 17-1705 nx summary. 18-1815 world nx and press rev. 1913-1915 press releases from govt offices. 1945-20 Sat Africa this Week. 20-2015 home nx. 2015-2030 Ghana newsreel. 21-2115 Af nx. 22-2205 exc Sat nx summary. 2245-2252 nx review (WBI 25/3)

GOA [I suppose NASWA country, long integrated by Indian Imperialism] Proposed SW stn at Panjim, still to be converted to a working project. Funds approved but suitable site not yet

decided; would have two 250 kW. Contracts expected to be signed this month. Stn designated to serve Gulf, where large Indian population employed. Till operational, Gulf svc continues expl from Delhi 1745-1830. New stn'll have pgms in AR, Malayalam, Hindi, Sindhi. Target date March 1989 w/studios in Bombay [sic]. Ads recently included for benefit of Indian exporters (Media Network via Mick Ogrizek, March ADXN)

G R E E C E VCG, 9395, from 0100 GK mx w/normal audio, but //9420 & 7430 sound like mistuned SSB sigs, tho all xmtrs are AM; have noticed this for at least a year on all VOG bcs; 2 xmtrs always mistuned by about 50 Hz, must be feeder problem (Ernie Behr, Ont, 23/3) So have I, makes an unmistakable signature analogous to the "Moscow sound". Two of the fqs are Avlis, likely the ones affected; one is at VOA-Kavala (gh)

G U A M KTWR J88 sked until 9/9, changes to that in March LN 19-20: Xmtr two: 11-12 JP on 11840. 15-17 EG 9820 moved from xmtr three. Xmtr 3: 22-2245 or 23 Mandarin 11795. From 10/9, only changes anticipated are retiming to one hour later of local morn xmsns to China (via Richard Lemke, St Albert Alta, Canada)

Typhoon Roy provided good opportunity to test AWR under pressure. Struck Guam 12-13 Jan but GM Allen Steele says no bc time lost; did lose local electric power, but emergency 750 kW generator took over in less than 30 secs, per asst CE Elvin Venice. DXs sustained no damage in spite of winds of 100+ mph (Kim Ziesmer, AWR-Asia, 23/3 via DX Press)

TWR-Australia interested in producing CH pgms, and svcs for ANZ/SPac/India, via KTWR. Only obstacle is cost of \$140 for a 15 min pgm over KTWR (Patrick McDonald, April ADXN) You'd think TWR would not charge TWR for airtime (gh)

G U A T E M A L A [cf COSTA RICA] The AWR stn in Guat is going thru renovations. SW ant reoriented just slightly to get better coverage of Carib; xmtrs being moved around on hill-top to provide better xmtg opportunity to CAm/Carib. Uses AM bc [mediumwave?] 10 kW xmtr, modified to go on SW, using 5980. To provide better pgming material and be more responsive to listeners, plans to install satellite rcvg stn to receive material from US. GM Gregory says this'll make it possible for more immediate type pgming material that will not have to be sent down by tape from USA and thus avoid difficulty of going thru customs (WBI 25/3)

Czechoslovak TV reported 23/3: R Prague reception quality varies so Cz radio equipped the Tatra expedition vehicle w/the rx which was used for part of the accusations of spying levelled against our Tatra crew by GAT authorities. This was described as "astounding communications equipment" fitted in the vehicle. It's a Sony ICF-7600, which picks up SW and MW bcs. We equipped Tatra expedition w/this rx to enable them to provide us with reports on audibility of Cz radio SW xmsns. It can be ordered or bought routinely abroad. It is advertised in many publications aimed at SWLs (WBI 7/4)

G U I N E A Monitoring 8-11 Apr: Conakry obs at 2145 8/4 on 4700 //1404; 11/4 at same time on 4703. SW xmtr ex-4900 obs in Feb on 4766 apx (WBI 15/4)

H A I T I R Nationale reported 11/4: 15 days after fate of stn changed hands, we have got green light to work to recover credibility. Stn soon 11 yrs old and was quickly turned into instrument of bad propaganda. We are not the govt's stn, but the nation's stn, the Haitian people's radio stn (WBI 22/4)

H U N G A R Y RNMN reported 17/3: R Budapest ancd cutback in output by 33% in May; part of cost-cutting measure so stn can install in-house computer system. Len Scott of EG svc says reduction only in airtime, not in range of pgms. EG four times a day instead of 7. But the two DX pgms a week will be aired 8 times, and extracts of DX show will be included in the bcs proper (WBI 25/3) Details: from 2/5 to Eu daily 1830-19, Mon-Sat 20-2030 on 11910 9835 9585 7225 6110; Mon-Sat 2330-24, daily 0030-01 on 11910 9835 9585 9520 6110 6025. DX pgm: Mon 1615, Thu 1615, Sat 1130, Sun 1045; Tue/Wed/Fri/Sat 0230, 15 min ea (via Edwin Southwell and Kraig Krist, DXLD) & Hungarian History will seemingly be Tue & Fri at 2130, Wed & Sat 0100, if I interpret HG-lang sked correctly w/times in UTC+2 as 2330 & 03 (gh)

I N D I A AIR Kurseong, 6100, 0715 switching from EG pop mx pgm to Nepali. Curiously, no DJ and pop numbers played abruptly w/out usual female saying "This is Kurseong Calling". Kurseong is in the heart of troubled Darjeeling region hit by Gorkha Natl Libn Front's 40-day strike (Dr Supratik Sanatani, IDXCI ADXR, undated)

My visit to studios of AIR in Bombay was disappointing. It was lunch time, and all three services either lacked ancrs or had their headphones off paying attention to anything but what was going on the air. We can now understand why we must hear mx on spoiled records--often jumping tracks, finishing the 5 minutes in less than 3, or repeated tracks making a 4-min piece run 6+. God save AIR! (Ravi, WU2RVU, IDXCI ADXR)

Times of India reported 22/2 on "AIR peace offensive in Lanka". Propaganda offensive vs Libn Tigers of Tamil Eelam thru spl AIR pgms. Started immediately after signing Indo-SL accord 29/7/87 w/30 mins entertainment pgms for Indian PeaceKeeping Forces sent to Jaffna; to-day is day-long propaganda item. Anmts mixed w/film songs warn militant LTTE members to give up. Three main half-hr pgms from Madras-A, relayed from more powerful Pondicherry stn before being beamed over to SL. Plus daylong spl xmsn on SW via AIR ES. Pgms, also hrd in Tamilnadu, called Hands of Friendship, Path of Love, Garland of Victory. Sked is 2345-0330, 07-0930, 1115-17 on 1449 and 4920; also reported on 720, 1215 (IDXCI ADXR)

AIR's expansion plans also include setting up four overseas relay bases in friendly countries. Relay stns first proposed 4 yrs ago, but Min of BCing & Info don't seem to regard it as a priority to improve AIR sig outside Asia/ME. Original plan called for relay

stns in Cuba, Ghana, Malaysia, S Korea (RNMN via Mick Ogrizek, March ADXN)

AIR reported 23/3: hi-power SW xmtr of AIR, claimed to be biggest in Asia, is coming up soon at Dohd Ballagpur near Bangalore. 'd be used to beam AIR pgms to countries (sic) like Africa, SEAs, Australia; per CE South Zone AIR & Doordarshan, Mr K C C Rajah (WBI 1/4) 1000-kW natl xmtr channel set up at Nagpur stn of AIR. Depy Min of Info & BCing, Mr S Krishna Kumar says will enable roundclock natl bcs on MW from early next month. Only hi-powered radio stn of its kind in the country. ITU MF plan of 1978 shows 1566 (WBI 22/4) In fact, that fq reported months ago by DXers; only testing then? (gh)

I N D O N E S I A Per QSL ltr, RRI Biak uses: 1046 (WRTH says 1044) w/10 kW; 5982 0.5 kW; 7206 1 kW (actually hd on 7212). Sked 21-16 but 24h in Ramadan. RRI Ternate QSL ltr says 20-0015 & 08-15 on 3345 10 kW; also 3916 0.3 kW for local listeners when they operate for day & midnite spl pgm. RRI Benkulu pgm guide sked is: 2127-03 on 3265 91.88 & 105 MHz FM, 03-09 on 1242 & 93 MHz; 09-16 on 3265 & 105 MHz (Jun'ichi Nishikawa, Tokyo, Japan)

RRI Wamena, 4867, f/d ppc, pc, long ltr, photo from v/s Yos Kumurawak, Penjab Sub Seksi Pemancar, in 22 days. Says 500 W; also ments 2522 kHz w/750 watts at 1247-1515 WIT; anyone actually hear that? Since hrd on 4871, 1142+ hrd daily but vy weak and much QRM from 4870 Rio Amazonas, Ecuador which often sounds like an Asian when they play that fine rustic Quechua mx! (Steve Reinstein, FL, Indonesian DX Review, Mar)

RRI Ambon eve svc to 1500\* now on 3241 ex-4835, first noted 12/10 (Hiroyuki Ishii, Tokyo, March IDXR) RRI Medan wandering again, hrd 30/10 w/horrendous mod on 3505 ex-3375, 12-16\* //4764 but suffering from cross mod; believe these xmtrs quite old now. RPDT2 Bulungan, Kalimantan Timur, remarkable reception. Sarath hrd first and tipped me. First thot in N Sumatera due to great strength, but 5/11 1259 clear ID, not listed in WRTH now but was in 1983 on 2977, 1 kW at 10-14. Measured on 2976.9, f/in arnd 12, 1425\*, TCs for Tengah. Jak rx at 13, own at 14. S/off w/Love Ambon-Reactivation but strong sig make it had to believe only 1 kW; more likely new xmtr using old fq (Victor Goonetilleke, Sri Lanka, Oct/Nov UADX, tho posted airmail, not arriving until 16/4 presumably surface mail)

On 2395, unID in Jakarta, continuous western pop mx, rare anmts. Seems to ID w/slogan, no regular ID; 1400 t/in until 2250 t/out 3/4. Another unID on 2495, poor mod in Lombok. W mx arnd 1930 1/4 (Craig Tyson, W Australia, April ADXN)

A H A R D P L A C E Tehran, 5995, Persian svc from arnd 1930 to 2215+, different pgm to that on 9022 & 6220 5/3; maybe regional outlet? (Bob Padula, March ADXN)

I R A Q Azerbaijani svc of R Baghdad hrd in late March on 11740 at \*17-1750\* but since 1/4, main Arabic pgm hrd on 11740 arnd 1730. Also at 20 on 9535 9740 9770 11720 11785 11840 and 11950. Per QSL ltr, EG svc of R Baghdad: 21-23 on 7295 Eu, 01-03 6110 NAm, 11810 SAs. Addr is Iraq State BCing Stn, P O Box 8145, Baghdad (Jun'ichi Nishikawa, Tokyo, Japan)

Baghdad noted on new 9535 in AR arnd 2005, dominating co-ch Doha, //9515 also 6/4. VOM 9690 big sig 2225-2230 26/3 //11840 (Bob Padula, Vic)

R Baghdad, 9770, still here 20/3, from 1900 FR, 2000 GM u/BBC, 2100 EG u/WHRI; not on 9900 where Cairo hrd. RB on new 9575 from 2200 SP pgm & mx, 2230 QRM RAI 16/3 (E Behr, Ont)

Lately, V of Masses ID not hrd on SW outlets from R Baghdad. Latest ID is "Idha'at al-Jumhuriyati al-Iraqi, fi-Baghdad." VOM ID was Sawt al-Jamahir (J Nishikawa, NTDXC via ADXN)

I R E L A N D Monitoring 22-24/3: Stn IDing as R Millenium hrd from Dublin on 1278 kHz, 08-14. Says also on 88 MHz, set up to commem 100th [sic] anniv of Dublin founding. From 14 relays RTE-2; from 27/3 will be 07-13 (WBI 1/4)

I S R A E L VOI ES totals 117:50 hours per week to all areas, led by Russian 31:50 plus 2:30 from DS; then English 16:20 + 7 from DS (WBI 1/4) Ha'aretz reportd 7/4: VOI AR svc recently terminatd live bcs from churches and mosques for fear that live relays from E Jerusalem and terrs might be disrupted. For past 20 yrs VOI net-D carried live relays of prayers from a mosque every Fri; stopped since 25/3. AR svc dir mum (WBI 15/4)

J A M A I C A CANA reported 17/3: RJR at loggerheads w/PM Seaga over terms of new licence. RJR objects to clause giving govt right to demand info on material stn intends to bc and to halt bc in natl interest. Impasse holding up govt's plan to divest its 25% share. Govt expects to divest AM & TV svcs of JBC by mid-Apr, PM Seaga says. Plan is several months behind sked. Govt insists stns earmarked for relig bcs not carry ads. Govt plans retain JBC FM & major TV xmtr to form core of new Public BCing Svc; price J\$16 mega on AM for physical plant, eqp, xmtr covering island, FM rebc rights; J\$17 mega for TV licence, 70% coverage (WBI 25/3)

J A P A N NHK 15235, strange; EG from 05 but mixed w/Eu langs as sked for 9570=Gabon, 06 GM, 0630 FR etc. Can't hear them on 9570 but probably not propagating. 0630 15235 goes off for 30 mins & I hear FR in clear so not studio mx. Several days noted, on 2 rx; also 12/3 0550 hrd RJ w/2 separate EG pgms both on 15235 ?? (Don Rhodes, Au, March ADXN) see below

RCI via Yamata, 15385 \*12 4/4 //17710 which was better (ibid, April) OK sigs but fq choice could've been better, 9/4 (Craig Seager, ibid) 17710 VG 4/4 (Rhodes, ibid) Clarifying above conflict on 15235: From 4/4, regional svc via Gabon 05-07, while GS also here 05-09 (Matt Francis, Tasmania, April ADXN)

RJ DX Corner reportd 10/4: major renovation pgm at Yamata site over last 4 years, some 60 km NE Tokyo, surrounded by farm land, houses. Built in 1941. Now 4 x 300 kW, 4 x 100 in full opn, each capable of automatically changing up to 10 fqs in less than a min; computer control system, ant switching matrix. 17 ants, 13 curtains and 4 LPS; LPS go with 100s. Yamata now linked w/downtown Tokyo studios by digital audio circuits. RJ Dir-Gen says looking into

relay exchanges with several other ISWBCers besides RCI (WBI 15/4) Or maybe using stns RCI already exchanges with (gh)

JORDAN Al-Ra'y, Amman, reported 10/4, Info Min Dr Hani al-Khasawinah yesterday visited site of radio xmtg stn project in Kharanah area. Will use three 500 kW SW xmtrs to cover N&SAm, Canada [guess what--Canada is a subset of NAM-gh], Eu, NAF, Arab Gulf, Sudan, western Saudi Arabia, Yemen. Also 100 kW MW xmtr covering Gulf, SA, Yemen plus NAF nites. Plus two LW xmtrs totalling 1200 kW for day & night coverage of all neighbouring countries. Tests to begin in late August this year (WBI 15/4)

KENYA Weekly Review, Daily Nation, and Kenya Times have all run articles very critical of V of Kenya, for biased pro-govt-only political coverage, total ineptness, and running rx of the hijacking more than 24 hours old (WBI 25/3 & 15/4) Monitoring 26-29 March: VOK GS in EG obs 28/3 & 29/3 \*0210 apx on 4934. Referred to 49 & 41mb only. 0215 rx & 03-0315. Sun 27/3, VOK \*0230. 4934 used in past, but believed to've been inactive for some time (WBI 1/4) VOK DS, SW portion: Genl Svc: 0200(Sun 0230) on 6045 4934. 0620-09 Sat/Sun 7270; same stn may carry schools pgms M-F. 09-11 7270. 11-13 Sat/Sun + schools maybe M-F. 13-1315 7270. 13-2010(Sat/Sun 2110) on 6100 4934; all in EG. Natl Svc, in Swahili: 0200(Sun 0230) on 6075; 0625 on 7140, 1325 on 6150, 1830 on 6150 4885 to 2010(Sat/Sun 2110). Also relayed by Eastern svc on 7240 or 4885 in various non-SH langs. Central Svc on 4915 in various langs 0230(Sun 0700)-1930(Sun 1700). Eastern Svc: Mon-Sat 02-07 4885. Daily 07-1330(Sun 14) on 7240. 1330-1745(Sun 17) on 4885. (WBI 22/4)

KOREA NORTH unID on 5870.2v, from \*1200 R Pyong IS & orch anthem, 1206 numbers in unID lang, 1217 pgm of KR songs to 1235\*; also from \*1400 w/IS & orch mx, 1406 numbers to 1428\*, F 15/3; anthem not same as hrd on R Pyong. RP, 9325 //9345 & 9555, hrd \*13-1350\* in EG to Eu 5/4; 9345 best (Ernie Behr, Kenora Ont) Ancd fqs for RP EG to SEAs as of 26/3 --04 on 15115 15160 15180; 06 on 13650 9530 15160 15180; 08 on 11830 9530 15160 15180; 13 on 9555 9600 11735 (Bob Padula, DX Press)

LIBERIA AFP reported 6/4: Monrovia authorities have decided to stop relaying pgms of BBC and VOA which till now were on offl Lib radio. No reason given. Independent sources only stated that Min of Info, Emmanuel Bowier, who is also Chm of BOD of LIS gave order that BBC's Focus on Africa and VOA's Af Panorama should no longer be bc (WBI 15/4)

LIBYA During summer time, Apr-Sept, all pgms one hour earlier than shown. During crises certain fqs used by DS may carry SPLAJBC VOGAH svc instead, asterisked. SPLAJBC Main pgm, Tripoli DS in AR: 05 on 9600 6185. 1315 change to 15450\* 15415\* 15235\* 9600 6185. 1745 change to 9600 6185 until 2350.

V of the Greater Arab Homeland, SPLAJBC ES, Tripoli (Arabic: Sawt al-Watan al-Arabi al-Kabir). During summer one hour earlier; crises, addl VOGAH pgms may be 0430-1115 & 1315-1745 instead of DS relays. On certain occasions, extra pgming from VOGAH is hrd on SSB; Jan & Feb 88: morn on 18000, 13700, 13500; eve on 4200, 4155. Normal sked: 1115-1315 Eu/ME/AF on 15450 15415 15235 incl V of Popular Rev in Palestine 1130-12. 1745-0430 on same incl VOPRP 0330-04. ES in EG as R Jamahiriyyah, 19-20 on 15450, 2330-01 on 11815 6155, to Af and Eu/Am respectively, all unconfirmed and one hour earlier in summer. Adrs ancd: P O Box 333, Tripoli, or P O Box 17, Hamrun, Malta (WBI 25/3)

LUXEMBOURG Relig segment in Russian noted 2050-2100\* on 6090, ancy addr in London. Then orch mx, no apparent studio. Believe stn offers time to various relig orgs for local late eve recep in Eu; I'd be interested in a composite sked for such; 5/4 (Bob Padula, Vic)

MALAYSIA R Malaysia stn here expected to begin opns 31/8/88, for V of Malaysia bcs in Thai, Sinhalese, Burmese, per Info Min Datuk Mohamed Rahmat. \$3.6 mega complex being built in Jalan Kuala Kedah (Alor Star, 21/9/87 via Pius Heng, UADX Oct/Nov)

MALI R Beijing, 9769.6 & //11715.2, hrd from 0500 in EG to 0556\*, a split second behind //9690 via Spain 14/3, all vy strong (Ernie Behr, Kenora Ont)

MALTA IBRA via Cyclops, still on 5960 for M88B, relig segment in UK 1940-1958\*, ancy addr in California 6/4; VOA ORM 5965 (Bob Padula, Australia)

MEXICO XE01 R Mil, 6011, from 0200 live event, tlks & mx to 0300 f/out, no ID & noted 4/3 UTC only. XE00 on 9680, from 1300 Mex mx, 0330 SP tlk, 11/3 over jmr, up from 9679.4. XEWW on 15160 from 0100 pop songs, ads past 0230, over RA 22/3 (Ernie Behr, Kenora Ont)

MONACO TWR M&J88, 27/3 to 3/9; 500 kW = \*, others 100 kW, daily uos. 0345-0415 6230 GM from 1/5 to 31/7. 0545-06 exc Sat 11735 AR\*. 0625-0840 7105 EG. 07-0720 9610 NW. 0730-0805 Sun 6230 GM //7195\*. 0805-0820 6230 7195\* GM. 0828-0843 9495 CS. 0840-0925 Sat/Sun 7105 EG. 0845-09 9495 HG. 0902-0917 9495 PL. 0925-10 Sun 7105 EG. 1005-1020 exc Sun 6230 & 7195\* GM. 1030-11 Sat/Sun 9495 CS\*. 1045-11 Wed 6230 Swiss German. 12-1215 Mon/Tue/Sun 7195 SP/Catalan. 1230-1245 Sun 7205 Croatian. 1255-1425 11635 RS (1410 Mon [different ending, or starting time? Don't be so ambiguous]). 1315-1330 Sat 7195 GM DX\*. 1330-14 6230 7195\* GM. 1430-16 11635 RS (1545 Thu [ditto]). 1430-1445 Thu-Sun Kaz/Kirg\*. 1445-15 Sun-Thu 12025 Farsi\*. 15-1515 12025 Kurdish\*. 1515-1530 12025 TK\*. 1530-1540 Fri/Sat 12025 TK\*. 1545-16 7350 CZ\*. 16-1630 9430 PL. 16-1615 7350 HG\*. 1630-1645 Fri/Sat 9495 EG\* 1658-1728 7275 Croatian. 17-1745 9495 RS (Thu 1715 [ditto]). 1732-1747 9430 UK. 1747-

1802 Mon/Tue/Thu/Fri 9430 BR/UK. 1802-1832 9430 RM (1817 Wed [ditto]). 18-1830 9495 LV/LT/ET. 1832-1847 9430 AM\*. 19-1930 9495 RS\*. 1930-20 6230 GM 1/4 to 31/7. 1930-1945 on 7350 CZ\* (via Richard Lemke, Alta) Look at all that off air time 20-0545 when they could be relaying some worthwhile stns in need of audibility (gh)

M O N G O L I A UB on 9627 ex-listed 9615 16/3 0928 EG to Au //12015 (Craig Seager, ADXN) Latest hiding spot is 9616 for EG 1159-1218, P 1/4, QRM Perth 9610 (Wesley Beck, ADXN)

M O R O C C O [Cf April LN-23!!] Monitoring 28/3: RTM Intl Channel pgms obs 28/3 on SW: 14-1630 FR 17595. 1630-17 EG 17595. 17-18 EG 17815. 18-19 FR 17815. 19+ ? FR 11920. Mainly Western pop mx, but nx heads in EG at 1630, nx bull at 17-1710. These fqs formerly carried RTM's main pgm in AR; still on other SW fqs (WBI 1/4) RTM Chaine Inter, 17595, from 1630 popsongs & EG ID to 1659\*, mixed w/BRT in EG to 1657\*, but R Cairo also on fq in SAS lang to 1430\* 1/4. RTM on 17815, from 1800 pop songs & FR anmts to 1859\*, on 11920 from \*1900 pop mx, 2000 FR nx in QRM, 1/4. Vy srong 9/4, from \*1900 pop songs on 11920, 2300 FR nx, pop mx to 0100\*. Perhaps via 250 kW Nador xmt, since AR svc on this fq until March was much weaker; and where is Abidjan xmt, hrd on 11920 last month? (Ernie Behr, Kenora Ont)

M O Z A M B I Q U E R Moz reported 28/3: from today, Maputo-Gaza Interprov xmsn will bc 6 consecutive hours in off1 lang (PT) 08-14. New xmsn w/in framework of current reorg at R Moz (WBI 1/4)

N E W Z E A L A N D RNZ J88 until 3/9: Pac 1830-2115 12045 15150. 2345-0145(Sat & Sun 0145-0330) & 0345-0730 on 15150. Au/PNG 2345-0145(Sat/Sun -0330) 15150. 0345-0730 12045. 1030-1215 6100 9540 (A R Mordecai, Xmsn Supt, Wellington, 30/3)

RA Communicator reported 13/3: Seems vy likely Aotearoa [Maori name for NZ] may get a full-blown overseas svc. Support for it at RNZ, Poles appear eager, but as usual money is holding thing up. RA's former correspondent in NZ, Kevin (McQuillan):

Remoued that BBC vy interested in establishing a Pac svc; would fit in vy well w/RNZ's own plans. BBC'd like to put in two 500 kW xmters on North Island; could be divided into four 250s and shared so that RNZ could provide service it desires. Would be in Samoan, Niuean, Cook Island[ian], Tongan, English, Tokelaun, and to PNG in Tok Pisin and EG as are a lot of NZ expats there; first stage. Second stage, certainly doubtful and in distant future, would be to reach SEAs, Sing, Mal, eventually NAM, but real problem is RNZ doesn't have resouces to do this adequately; lax experienced personnel to run such stn professionally. Would have to be no less pro than competitors BBC and RA. Maybe in two years. NZ MinBC Mr Prebble due to meet w/some BBC offis later this month. Brian Clarke in Auckland:

Various sites in NI mooted in past: one possibility is on Rangitikei Plain, an elevated plateau east of Lake Taupo (WBI 18/3)

RA Communicator reported 20/3: Bruce Phillips of our London office spoke to Chris Bell, Deputy Managing Dir of BBC WS re remouers of agmt w/RNZ. Bell says:

Too early to say we've reached any agmt in principle. Did make vy clear to RNZ we are vy interested in getting better reception in SPac, but deveuping relay stn or sharing xmt or anything involving considerable capital expenditure would depend on persuading BBC For Office this a priority they should fund. RNZ and BBC ES each would have to get funding from own govt; proportions undiscussed. We'll push with For Office; vy important area in view of Fiji, New Hebrides [sic] events. Were lucky to have VG relations w/R Australia which made time on Sheparton during Fiji coups, but unseems any time available on BBC xmters that would interest RA. RA'd like to improve cov in N China, but no spare time on new HK stn. But discussions w/RA continue re possible relay swap somewhere. We're not wheeling and dealing, playing off RA against RNZ (WBI 25/3)

RA reported 13/4: NZ cabinet to consider 18/4 recommendations from Trade & Industry Dept to sell off a large proportion of state-owned radio and TV nets. AAP says State Owned Enterprises Minister Mr Prebble, who is also bcing minister [PMG] given task of implementing wide range of sell-offs, crucial to govt's plans to pay off public debt, reform public sector (WBI 22/4)

N I C A R A G U A Sandinista TV reported 7/4: R Participativa began test xmsns from El Chile, 25 km E of Matagalpa, 6/4, w/xmters and 100-W portable eqp donated by FPG; can be hrd by 15 kilopeople in 9 Matagalpa regions w/in 40 km radius. Personnel exclusively peasants; two more stns to be installed. (WBI 15/4) So probably not SW

N I G E R I A Jcs on 5965, hrd here in late Jan 88 from 0600 w/EG nx, //6025 Enugu; also hrd both stns in Jan 84 at 0600 w/clear IDs: not off for 6 years as per BBCMS report on SWLD 19/3 (Ernie Behr, Kenora Ont) R Nigeria Lagos reported 20/3: A sesquimeganaira radio booster stn for Kwara State BC Corp commissioned at Eybe; began tests two weeks ago (WBI 25/3) RNL reported 22/3: use of satellite antennae to receive form bcs by individuals has been declared illegal by fedl govt; anyone caught indulging would be prosecuted. Info Min Prince Tony Mamoh also says fedl govt making efforts to acquire radio sets that would only receive FRCN and state radio stns, to ensure adequate dissemination of info; and pledged to revitalise opns of VON (WBI 1/4) What a step forward; some democracy (gh)

N O R W A Y Per NTA, the two 120 kW xmters at Fredrikstad no longer in regular use, because of new regs prohibiting such opns [?]. However the two units can be used for tests at short intrvals only, e.g. 5980 at 0700 13/3 (Joe Hanlon, April ADXN) For J88, Oslo does not plan to use any fqs in 49 or 41 mbs; at 02-0245 only one fq 9590 w/2 x 500 kW S&NAM. 14-1445 plans blanket cov on 15295/15300/15305/15310 to As/AF/As/NAM (Mick Ogrizek, ibid.)

PAKISTAN R Pak on 15115, from 0100 UR & mx, 0230 EG pgm, strong 21/3, //11570 weak in ute QRM (Ernie Behr, Ont) R Pak obs on 11570 for Eu svc in FR 1945-2015\* G 17/3 (Padula)

PANAMA Critica newspaper made a "Hard Line" commentary 11/4: SCN TV Ch 8, on Pan terr in former Canal Zone, has strayed from and obviated provisions of Torrijos-Carter treaties by reporting on all the campaigns launched by the most reactionary US sectors [like Reagan] and by turncoats Delvalle, Galindo, Sosa, Garcia de Paredes. SCN does this to destabilise our country, create unrest and panic, divide the Pan family, undermine our defence forces, w/Gen Noriega as main target; in sum create condx for turning us into colony. All nx bcs on SCN TV are misconstrued, truth intentionally omitted. All its nx full of hate and lies, w/out taking into consideration that stn ops on Pan terr. What'd be done to a TV stn in US if daily carried out systematic, slanderous and guileful campaign against top-level govt leaders and tried to undermine armed forces' commander's reputation? Our authorities must take necessary measures so SCN will abide by treaties' regs. For Ministr Dr Jorge Abadia Arias, should speak up (WBI 15/4) I've hrd that in the US it's OK to criticise govt (gh)

PAPUA NEW GUINEA RA Communicator interviewed Gordon Darling 20/3: NBC has just taken delivery of eleven 10-kW NEC xmtrs, part of Jap aid deal to PNG. To replace existing old xmtrs for which spareparts virtually unobtainable at these str: 3385, 2305 [sic, for West Sepik, actually 3205], 3375, 3335, 3220, 3305, 2410, 3290, 3355, 3260, 3365. First xmtrs to be installed at Lae, Daru, Alotau, commissioning arnd August. Majority of xmtrs replaced are only 2 kW. This should also release some spareparts allowing reactivation of currently inactive 3925, 9520 in PM, 5985 in Rabaul (WBI 25/3)

PERU R Marañón, 4834.9, from 1100 huaynos & IDs past 1130 26/2. LV de Huamanga, 6200.8, from 1100 huaynos & tlk, tent ID 26/2. OAZAL R del Pacifico hrd on new 9949.83, from 0100 ID, songs & SP rel pgms, 0300 piano mx, tlks & NA to 0433\*; strong sig since 1/4 CST, but mod a bit low, ex-9675 (Ernie Behr, Kenora Ont) Whether intentional or not, happens to be 2nd harmonic of their other fq 4975 (gh)

PHILIPPINES RVA on threshold of expanding capacity. New ants, xmtrs, STLs are in progress. During political crisis, xmtrs at Malolos damaged but vy soon all three were back in opn, tnx to engrs and personnel of RVA. Malolos rcvs sigs from studios in Quezon City thru 4 microwave linx, each w/6 bc and 5 phone channels. Two mtg studios are backed up by 4 recording studios, plus studio in Pius XII Centre in Manila. Sigs testd and fqs selected per data from receiving stn in Taytay. Sept 86, first 250 kW xmtr started bcng from Palau [sic], far from Manila. Four ants there cover Indo-China, China, Korea, Japan. On the 2nd 250 kW xmtr, one ant will be beamed to India 280 or 290 degrees (Alok Das Gupta, India, March ADXN) R Veritas-Asia, 9770, from 1500 EG pgm, 1535 UR to 1602\*, vy strong 20/3; UR pgm is ex-9415 which I hrd only once, 5/3. RVA on 9540, from \*1500 CH to 1556\*, strong 20/3, //6160 under CKZU. FEBC Manila, 9830, from \*1400 RS "Golos Druzhbe", 1845 GM to 1900\*; hrd since 20/3 on top of KSDA!! (Ernie Behr, Kenora Ont, 23/3) & see 9830 UNID

PORTUGAL From 27/3, RP EG sked: 0230-03 6060 9600 9635 9680 9705 11840; 1930-20 on 9740 11795. 19-1930 on 11870 15250; 16-1630 15245; all M-F only; Fri has DX pgm [every 3 weeks] (Mick Ogrizek, RA JP DX Time 27/3) RP sports segment in PT, 1915, strong 2140-2150 26/3, //11870 11840 9600 9635 9705 9740, all hrd! (Bob Padula, Vic)

In Luanda 28/3, Maria de Lourdes Pintassilgo, Port Socialist Party's deputy to Europarliment, and radio stn will be created in Eu soon to focus exclusively on southern Af's problems; no further details (RNA 29/3 via WBI 7/4) R Renascença reportd 10/4: today is our 50th anniv, world's 2nd oldest Cath radio stn, licenced in 1938; became Port's largest stn, onlone truly covering whole country (WBI 15/4)

Dw J88 plans for RTE use: 6075 11-15 Eu (//Wertachtal 500 kW). 9615 2030-2145 Eu. 9650 04-0530 Eu. 11705 15-16 & 17-18 Eu. 11865 18-2030 Eu. 11905 04-0530 Eu. 15155 15-16, 16-17, 17-2030 Eu. 15245 11-13 Eu. 17710 16-17 Eu. 21680 11-1430 SEAs (Bob Padula, ADXN April)

SAIPAN KFBS on 9870, from \*1600 RS relig, 1900 GM pgm, Sat 12/3, but some days in UK from 1900. On 9575 in CH at 1400-1600\* 20/3 (Ernie Behr, Kenora Ont)

In FEB, HCJB board of trustees voted to accept proposal to join FEBC on Saipan. If approved by FEBC board in April, HCJB would place at least one 500 kW xmtr on line with their 100 kW xmtrs to provide addl bcs into USSR and CAs (Ron Cline, pres of HCJB, in World 2000 newsletter via Marlin Field, MI, 22/3) So no more Hawaii?

RNN reported 17/3 in iv w/RichardDearborn of WS CSM on non-appearance of KYOI nx relaying Boston: Hope change in next weekcouple; were two challenges: getting licenced for satl feed and satl space assigned; and our link to stn is via digital connexion; decoding & encoding eqp not working properly, so had to bring it back to US to fix. KYOI ant presently 340 degrees, to Jpan, Korea, parts of China. Over next yearcouple, upgrading to include diff xmtr, second one covering FE down into Au w/3 addl ant systems (WBI 25/3)

SEYCHELLES FEBA in EG: 06-07 Fri ME 17855. 0730-0905 Sun As 17780 15115. 12-1230 Fri/Sat As 15325. 15-1515 As 15325 9590. 1515-16 As 15325-Fri 11865 9590. 16-1610 news As 11865 9590. 1610-1625 exc Sun As 9590. 1735-1805 Af 11760 (WBI 8/4)

SOUTH AFRICA R Five, 9665, from \*0511 pop mx & ads, 0600 EG nx, G 12/4; R Suid Afrika, 9555, from \*0502 Afk: nx mx & ads, //7230; R Oranje, 7285, from 0500 mx & ad. 0530 EG nx, 12/4. R RSA, 9655, from 1400 EG to :556\*, G 13/3, but //17755 21590 noted Sun only, 9655 daily; 11870 in SP at 20-2056\*, 10/3 ex-11745 (Cf Mar LN-25) No bcs at 21? (Behr)

That's right, still so in J88, they take that hour off now so little excuse for dropping EG then, other than maintaining totals in reorganization; see March LN-25. J88 EG: 02-04 Nam 9615 9580 6010. 04-0430 Af/ME 9580 4990 7270. 11-12 Af/ME/Eu 15365 7270 21590 17890. 14-16 Af/ME/Eu 15365 7270 21590 21535 17755. 18-19 Eu 15365 11875. 19-21 Af/ME 9610 5980 7270 (gh)

R RSA reported 31/3: In past financial year, R RSA was on air 208 hpw in 11 langs. Annual report says the modest budget of 10 mega\$ compared to VOA's 170 M\$, its bcs maintain level of credibility, particularly in Af, envied by its largest competitors (WBI 7/4)

S P A I N [see also CANARY, CHINA] L'Altra Radio, DX pgm of Radio 4, Spanish National Radio in Catalunya, invites you to participate in the third edition of the Hit Parade of the Main Broadcasting Stn in SW. Send a postcard or ltr, w/your addr in block letters, answering which are your 3 favorite SW stns. Must arrive before June at L'Altra Radio, Radio 4, P. Gracia 1, 08007 Barcelona, Catalunya, Spain. On 12/6, L'Altra Radio will conduct one raffle taking all the entries and distribute more than 100 prizes given by several bcng stns and Radio 4 (R4 via IDXCX ADXX #97)

REE reportd 4/4: minor pgm changes: listners in Eu will get pgm of rx on what's happening on the Am continent, exactly the opposite of the existing Eu rx pgm to the Ams (WBI)

S R I L A N K A RMWS commentary by Ivan Lavrov, 15/3: SL people and many other developing nations have strong reasons to believe what VOA is doing goes far beyond purposes its charter set officially. Still remembered is how Am aircraft raided Libya; VOA called on Libyans more than 15 times to overthrow the govt; only interpretation is subversive psywar. And VOA has lately intensified subversive bcs to USSR--provocative insinuations about growing nationalist sentiments in Soviet Baltic Republics, unscrupulous interference in Soviet affairs. Naturally many people in SL ask: where are guarantees that VOA pgms from SL will not be similarly subversive towrds that country and will not adversely affect relations w/ its neighbours? US Heritage Foundation expressed mistrust for the Lanka-Indian agmt, and this org has great influence on Wash admn and consequently on VOA. America's displeasure w/Lanka-Indian accord stems last but not least from fact that agmt rules out possibility of using VOA xmtr in military or intelligence purposes. Danger of this is quite real. As the Lanka press point out, radio facility in Muthuraja Wela is to be equipped with a system of (self) ants. Such would enable US NSA to conduct radio & electronic surveillance and intercept reports all across the Indian Ocean. Besides, the magazine Forward reveals that powercapacity of xmtrs is such that the facilities could be used by Pentagon for comm. And under Lanka-Am agmt, the Lanka govt will be denied right to control radio stn pgms, and all the tech posts at the radio complex will be held by Ams (WBI 18/3)

Re new VOA project, fears are expressed that it's a cover for VLF submarine comms and a part of Star Wars pgm. Suffice to say that Ams will run stn w/out SL supervision. Current Indo-SL accord says both countries shall take precautions to see that form bcng svcs are not used for mily purposes against the other country and shall be only for public bcng justified. So I leave it to you FRENEX Americans to decide whether India's protests are justified. My govt feels it can trust the Ams, but India is doubtful!! (Victor Goonetilleke, SL, late 1987)

SL govt was going along w/implementation of VOA agmt, no change in deal since 1983 agmt signed, per Forn Min A C S Hameed. Says VOA setting up two xmtrs w/capacity 250 mw (sic-- megawatt or kilowatt?--Tripti Ranjan Basu, IDXCX ed) and 500 mw (?). 1800 acres of land leased out to VOA for installation of bc facility at annual rent of \$80K US. Said 'fears' expressed in certain quarters in this regard not justified and activities of VOA were monitored to ensure they adhere to condx of agmt. Minister also disclosed R Japan proposing to establish bc stn in SL to beam to As/ME, from Ekala (Times of India, 10/3 via member 84, IDXCX Asian DX Review #97) see also INDIA, CRANNY

New sked for TWR, Ekala: 12-1330 11920, 1335-1425 11895, 1430-1510 11830, 1515-1545 on 11895. Addr: P O Box 364, Colombo 5 (Mick Ogrizek, April ADXXN)

S U D A N National Unity R, 9425, from 1400 AR & Eaf lang to 1527\* w/usual march, vy strong 19/3; next day back on 9435 to 1500\* (Ernie Behr, Kenora Ont)

S U R I N A M RSI reported 18/4 1720 in EG: Our pgms go via satellite to Radiobras, then xmt'd w/250 kW. From 20/4, RSI starts bcng at 1800 instead of 1700 (WBI 22/4) Still 17835v?

S W E D E N R Sweden in EG: 0230 Au/Am 17840=USB 9695. 0330 ME 11705. 0930 Au 15390. 11 Eu/ME/Af 21690 9630 6065=not Sat/Sun. 1230 As 21690 15190. 14 Am 15390 15345. 17 on 6065 Eu. 1830 Af 15240. 21 Eu/Af 11845 6065 1179. 23 Eu/Am 11705 9695 1179 (WBI 1/4)

S Y R I A Damascus on new 11765 \*2105 EG to Nam, vy strong to 2205\* 16/3 (Craig Seager, March ADXXN) On 12085, 2005 EG to 2105\*, then moved to 11900 from \*2107 in EG to 2204\* 22/3; vy irreg, some days only on 12085; EG ancr has thick GM accent. V of Iraq, 9471, from \*0300 AR tlks & mx to 0400\*; hrd 9/4 only, strong over bubble jmr; ID: "Idha'at-il Saut ul-Iraq"; from \*0402 AR mx on 9951 (Ernie Behr, Kenora Ont)

AR svc of SARBS hrd on new 11730 \*00-02\*; as part of pgms, V of Palestine in Damascus (Sawt Filstin min Dimashek) hrd at 1530-17, diff from V of Pal Rev (Sawt al-Thawrti al-Filistiniya) via Aden, Algiers, etc. V of Iraq, Sawt al-Iraq, not hrd recently. I suppose is off air because recent diplomatic rels between Syria and Iraq are not so bad. V of Arab Egypt (Sawt al-misra Arabiyya) has been off for a year plus. By the way, AR svc of UAE R, Dubai, hrd on same fq 11730 at same time, so be careful (Jun'ichi Nishikawa, Tokyo, Japan, undated, early April?)

Damascus vy strong on 11765 w/BG 2140 //11900 also hrd much weaker to 2205\* 26/3 after ID as R Damascus (Bob Padula, Vic) 17710, new outlet for AR svc 0734 9/4, thru ID 0800, then rx. Mixed USSR. Interesting fq in our eyes now, as Budapest probably [not] there any longer for Au svc. Beware Iraq also in this area! (Bob Padula, Vic) For M88, ITU registrations of 500 kW Adra site include: 17710 04-10, 17770 06-16, 21520 07-09 (THFBS via Padula, April ADXN) 17710 is the 'missing' 15090 xmtr, super-strong 10/4 0417 AR rx //9950 which was fair at best (Craig Seager, April ADXN)

T A I W A N WYFR relay, 9955, from \*1507 RS rel pgm to 1707\*, vy strong 20/3. On 5275 in CH from 1300 past 1400, //6209.76, both good 17/3 (Ernie Behr, Kenora Ont) As Andy Sennitt points out, should be called Family Radio, as not really relaying the stn in Florida; are the letters WYFR ever mentd on Taiwan xmtrs, incl EG svc? (gh)

Central BCing System, independent div of BCC responsible for bcs to Mainland; ancs as CBS, VOFC to Mainland China (Std Chinese: Chung-yang Kuan-po Tien-tai Tsu-yu Chung-Kuo Chih Sheng, Tui Chung-Kuo Ta-hu Kwang-po). Net-1 in Std CH: 00 11905 7250 7150 1100 900 750 600. 01 on 7250 900. 0350 on 11905 7250 7150 1100 900 750. 07 on 11905 7250 7150 900. 0950 on 7250 7150 1100 900 750 600. 1630 on 11905 7250 7150 1100 900 750 600. 19 on 900. 2045-24 on 11905 7250 7150 1100 900 750.

CBS VOFC Net 2 in Std CH: 22-0955 7105, 0955-22 on 11755 6180 1521 927. Net 3 in Std CH: 0955-22 9630 6087 1000. Net 4 in Amoy: 0950-22 1200. Net 5 in Cantonese: 0950-22 9690 and 6040. Net 6 in Hakka: 0950-22 on 3335. Nets 8, 9, 10 and 7 respectively on 11905: 10-1130 Mongolian, 1140-13 Tibetan, 1330-15 Uighur, 1530-16 Korean. Totals 709 hours 55 mins per week (WBI 25/3)

T H A I L A N D Stn presumed to be from Royal Palace, Or Sor, measured on 6148.3, is really a diff stn. 24/10 listened to entire xmsn 1030-12: 1030-11 Thai & western songs w/out any amnts. 11 formal s/on, time pips, choral anthem, opening amnts, fq & mb all in Thai. 1102 pgm in Thai, MSW often mentg "Super conductors"--when I hrd these words, realised it could not be Or Sor. 1130 Islamic pgm, evening prayers, reading from Quran. 1150 woman talking. 1200 ID & s/off. Islamic pgm is regular feature since first hrd in early Aug; also made me suspicious about credentials of Or Sor! Most probable location of Mor Sor is Songkhla Nakarin Univ, Hadyai campus in southern Thailand, close to Islamic Malaysian border; stn is listed in WRTVH 87 only under name and addr column, not MW/SW fq order. Previous records indicate Mor Sor had FM on 88 MHz (Sarith Weerakoon, Sri Lanka, Oct/Nov UADX, delayed in mail) All very convincing, but apparently based on two wrong assumptions, cf April LN-27 (gh) Agriculture Univ Stn at Songkhla hrd on 2538, 2 x 1269, fundamental also hrd. Relays rx from R Thailand Bangkok at 1300, then into own pgming at 1315. Harmonic is pretty strong and may even propagate to FE and ANZ confusing the unwary. Other Thai 2nd harmonics in 2.5-3 MHz area are quite common. Try 3078 for 2 x 1539; 3024 for 2 x 1512, e.g. (Victor Coonettilleke, Sri Lanka, Oct/Nov UADX)

T U N I S I A Tunisian Radio, RTT ES; one hour later in winter: AR 15-17 ME 12005 7310, 18-20 Eu 7475. National Network DS in AR: 0325 on 12005 7475 7310, 07 on 15450 12005 11550, incl 07-08 exc Sun relay of Sfax or Monastir regional svc. 15 on 11550. 17 on 12005 7475 7310. 18 on 12005 7310. 20 on 12005 7475 7310 to 2230 (WBI 15/4)

U S S R Surprised to hear R Leningrad segment on 9790 w/in MIB svc, 1102-1115 8/3, RS rx from that studio after ID (Bob Padula, March ADXN) 5060, unk site in Asiatic RSFSR, audible at f/in arnd 0900 w/Mayak, into Mongolian 11-1245. Weak at 09, but improves to rather strong at 1215. Don't confuse w/Burma some nites! Soviet 5060 not listed currently in WRTVH, etc, but I seem to recall such an outlet many years ago; hrd 4/4 (Bob Padula, April ADXN) To confuse things further, there is also an Urumqi outlet here w/Mongolian at various times (Craig Seager, ADXN ed.) Interesting reception on 7265 of Yakutsk local svc, in Yakut, on a Thursday, from t/in 0845 until 0857. Then contd in RS relaying Moscow pgm I. ITU THFBS for M88 designates this with 100 kW 0130-0930 from Yakutsk for ITU Zone 23; 7/4. Yakut lang sounds similar to Mongolian, w/both langs w/in lang grouping derived from Ural-Altaic. Other langs in this grouping include Japanese, Korean, Manchu, Turkish, and subgroup Azerbaijani/Uzbek/Kirghizian/Kazakh (Bob Padula, SurreyHills, Vic)

Monitoring 21-22 Mar: obs show R Moscow's svc in Std CH, formerly 24hpd is now 20-16 only. Thus RM's output reduced from 168 to 112 h per week. RMWS Pgm Guide pgm 19/3 said: From DST time change 26/3 2300 UTC, RM pgms at times in printd sked minus one hour; but also some changes. Replacing weekend pgm Soviet Union: Looking to the Third Millenium is new feature Perestroika, Sundays after the rx at 02, 05, 09, 13, 16, 19, 23. At same time on weekdays is Inside Report, another pgm about renewal process here (WBI 25/3)

Monitoring 28 Mar to 5 Apr: Since seasonal changes 27/3, RM obs on 1215 kHz in Polish 13-21, then RMWS in EG on fq. RM xmr on 1143, formerly in PL aftns & eves, now Dutch 17-18, RMWS 18-19, EG to GBI 19-20, then RMWS. (WBI 7/4)

R Moscow International reported 13/4: from 5/5 this svc in FR will continue 04-07, but resume at 12 insted of 16 and continue to 22 (insted of 21). Still spl one-hour pgms for listeners in France and Africa, but add one hour pgm at 12 for France, 20 min for Af at 1430 (WBI 22/4)

U N I T E D A R A B E M I R A T E S unID stn on 9835 at 08 was Abu Dhabi, sked there from 0215 in AR. As hd in NAm, equal level to co-ch Budapest in 02-0230 period (Joe Hanlon, PA, April ADXN)

U K O G B A N I Major change in lang line-up to be finalized this year for BBC Eastern

Svc. Likely there'll be two evening xmsns in ea lang for SAs, possiblized by use of extra xmtr capacity at Singapore following intro of HK relay. Changes could start 27/3 or 1/5 (Alok Das Gupta, India, March ADXN) Indeed, lots of changes comparing March London Calling to June which as usual implies non-EG speakers don't need to know or couldn't understand details of xmtr sites; here I'll skip the fqs & rearrange xmsns by time: 11-1145 JP, 1145-12 EG by R, 12-1245 MD, 1245-13 EG by R, 13-1330 CN, 1330-14 BG, 14-1445 HD, 1445-15 ME, 15-1515 Sun BM/15-1520 M-F NP, 1530-16 TM, 1630-17 BG, 17-1715 EG by R, 1715-1730 HD, 1730-1745 UD. Another stream which probably makes use of Eastern relay too: 10-11 MD, 11-1130 IN, 1130-12 VT, 12-1215 EG by R, 1215-13 TI, 13-1330 IN, 1330-1345 ML, 1345-1430 BM, 1430-1445 EG by R Sun, 1430-15 VT, 1445-1515 Pashto, 1515-16 UD, 16-1645 & 1830-19 Persian (gh)

U S A WORLD OF RADIO sked on WRNO, as revised: Thu 1515 on 11965, Fri 0030 on 7355, Sat 0300 on 6185, 2330 on 13760, Sun 1800 on 15420 (gh) See also COSTA RICA

CSM WS stn in South Carolina, which we are calling Cypress Creek, is actually progressing a little bit ahead of sked. Ground has been broken in Dec, actual xmtr bldg under construction. Xmtrs well along their way in Switzerland and will be delivered on sked, two 500 kW BBCs from Baden (Richard Dearborn, WCSN, RMN 17/3 via WBI 25/3)

V A T I C A N Vatican R First & Second pgms are one hour later in winter; EG segments: First: 05-0520 9645 6185. 1345-14 11740 9645 7250 6248. 1950-2010 9645 7250 6190. [no EG on 2nd]. Overseas Svc: 0050-0115 Am 11780 9605 6150. 02-0215 As 9650 7125 6145. 0310-0330 Am 6150. 05-0515 Af 15190 11725. 0615-0630 exc Sun Af 17730 15190. 0715-0730 exc Sun Af 15190 11725. 1115-1130 Af 21485 17840. 12-1215 Af same. 12-1230 exc Sun As/Au 17865 15190. 15-1510 As 17870 15090 11960. 1545-16 Af 17730 15120 11810. 2045-21 Af 15120 11760 11700 9625. 2205-2230 As/Au 11830 9615 6015. The Af svcs include items in Swahili, Luganda, Madhi, Hausa, Igbo, or Yoruba. Addl EG in Four Voices pgms (WBI 22/4)

V I E T N A M I was under impression there is currently no SW outlet opl from NASWA radio country of South Vietnam. However, seems at least three there, Gia Lai-Kontum, Lam Dong and Bin Tri Thien. I found Kontum on map in what used to be northern SV, my Viet friend says it is now called Gia Lai-Kontum, Gia Lai being name of a local tribe and pronounced Gu-Li or Jhu-Li; the local lang of this area is Rade. Adds that this region is beautiful and fertile farming area where coffee and fruit are produced. Lam Dong is in central highlands of ex-SV, SW of Hue. Bin Tri Thien is the 'newer' (post 1975) name for area composed of Hue and two other towns, renamed after communist takeover. GLKT was reported a few months ago by Isao Ugusa on 4710. I've not seen any recent reports for Lam Dong or BITT. It is interesting to learn that the radio country of SV is still active (Mictch Sams, Wichita KS)

Scn La turned up again on 4778, but heavily QRM'd at 1306 13/4; //6323 where relatively stable, Viet talks (Craig Seager, April ADXN) V of Vietnam hrd on new 9731.5v, from 1200 SEAs langs, 1300 Russian, 1330 SEAs pgm to 1400 f/out 7/4; much wkr than other VOV xmtrs and fq varies from .4 to .6 (Ernie Behr, Kenora Ont)

Y U G O S L A V I A Belgrade listed for new 17855 from 500 kW Bijeljina for various svcs betw 09 and 13 to ITU zones 38, 47, 52, 53 and 57 for M88 (ITU THFBS via Padula, Apr ADXN)

U N I D E N T I F I E D 9630 AR stn hrd 16/3 from 1845 w/Koran, strong to 1854 when wiped out by solar flare, also from 19 to 1915 when covered by REE IS; was not //AR from Baghdad; still unID 9/4 at 2030 w/AR mx, weak under REE (Ernie Behr, Ont) 9830v Stn in CH or similar lang hrd often since 24/3, at 12-14 when both KSDA & FEBC s/on this fq; 8/4 was on 9828.63 from 1130 in SEAs lang (Thai?), at 1215 EG lang lesson & CH? tik, 1227 what sounded like rel hymns, gone by 1250, but back from 1300 in CH, never any IDs & a real mystery. 9/4 drifted up to 9829.6, then down to 9828.6; 10/4 steady on 9830.0; 11/4 and 12/4 on 9830.7; 13/4 on 9830.0; in CH or relatd lang 11-14 when covered by KSDA & FEBC, but still audible to 1500 some days; some pgms are relig w/hymns; at 1215 daily, repeats same sentence in EG 4 times: "What is your final destination?", then back to CH; no other EG words during entire bc and no recognizable ID; 3 relig stns QRMing each other after 1400 on 9830 (Ernie Behr, Kenora Ont)

C L A N D E S T I N E C R A N N Y Echo of Hope, believed from S Korea, hrd in KR 02-05, 09-12, 14-17, 20-21 on fqs between 3980 & 3997. David Martin of Mansfield Au noted it at 10 F-G on 3988, later at 1630 on 3990 (Nagoya DXers Circle, RA JP DX Time 13/3)

Echo of Masses sked 20-23, 03-06 on 4160; 11-14 on 5885 & 4160 (NDXC via March ADXN)

V of National Salvation 20-2330 (EG at 23) & 03-06 on 4557 4450 3480; 10-1630 4557 4450 4120 3480 (NDXC Newsletter via March ADXN)

Echo of the People 15-16 & 20-21 3912; 03-04 & 09-10 6600 (NDXC Newsletter via March ADXN) S Korea cland now on 6605 ex-6600 30/3 at 0952 in KR (Craig Seager, DX Press)

V of Democratic Kampuchea bcs in RM from xmtrs believed in China, hrd 04-0455 15110 17680, 09-0955 8345 11780 11870, 18-1855 7385, 2330-0025 on 7350 8345 9440 (NDXC via RA JP DX 13/3)

V of National Army of Democratic Kampuchea, 5408 from 1230 w/Camb tik smx to 1330 f/out 17/3, weak & no ID (Behr, Ont) Stn ancd 19/3 that from 21/3 bc extended 10-1430 (WBI 25/3)

V of the Kmer VCK and 1/4: From 5/4, 2nd xmsn extended by 30 mins per day, 0430-07; on Sunday the morn xmsns an hour longer from 23 [Sat] to 01 [WBI 7/4]

Liberation Tigers of Tamil Eelam etc [see also INDIA; SRI LANKA] Indian forces in Sri Lanka in midst of mly offensive in N & E SL against Tamil separatist group LTTE. 9/10, Indians launched mly offensive because LTTE going on rampage. Per Peace Accord, SL govt put its security forces in barracks and disarmed all its civilian home guards. However, LTTE handed in only part of its weapons, but said that was all they had other than personal weapons. However, their bcs and comms links freely operated, incl VHF hand-helds. In SL & India no xmtg is allowed w/out licences, but Tamil seps went on regardless in N&E and from Tamil Nadu as they had done for more than 4 years. They even had a TV stn of limited range in their northern stronghold of Jaffna. Suddenly LTTE started attacking Sinhalese civilians and massacred nearly 300 innocent people. Went on for almost 2 weeks before reluctant Indian Peace Keeping Force took action. 9/10 destroyed LTTE radio and TV stn and in the next days went on to raid both SL & Tamil Nadu comms bases. As of 7/11 we do not hear any cland bcs, tho some of their comms lnx still exist on HF. Will the clands reappear? If past experiences are any indication we can not rule it out (Victor Goonetilleke, Oct-Nov UADX, delayed)

Re Nov LN-35: Come on Supratik, you don't have to be so personal! After all, remember Free Bangla Radio was an AIR Calcutta xmr. Did you know that? Egypt, Iran, Iraq, Ethiopia, to mention a few we know play host to clands. You yourself admitted that VOTE xmters were in India in addn to so much of other evidence. So is it correct to say that I am "conjuring up wild hypotheses to support my fanatical political ideas?" My fanatical political ideas are probably my Western education, my Roman Catholicism, belief in a free society and wanting to preserve my little nation's independence from regional hegemonism of a regional power. India interfered in our domestic affairs by arming, financing and training Tamil militants and allowed these groups to run anti-Sri Lankan bcs from India, and AIR denied them all a-long. India accused SL forces of carpet bombing which the very western reporters taken by Indian Air Force planes on its infamous "air drop" denied seeing any evidence of? (BBC, VOA and R Australia newsbroadcasts are ample testimony.) AIR is strictly Indian-govt controlled. India thru the Tamil militants achieved what it wanted--Sri Lanka to toe the pro-India line. Now they are exterminating their pawns (militants) and it's painfully amusing to note AIR's 180-degree turn. The sad thing is, Supratik, you and I are just 'nobodies'; human lives just statistics in international power politics. We keep learning every day and when the war is being fought right round me, I think at least I know a little bit more of the facts than some other DXers for whom clands re some exciting signals to chase, while it's a life or death matter to me. Perhaps you will understand my political anguish just as I understand your inability to understand my situation. Pray Supratik, let us be friends (Victor Goonetilleke, Sri Lanka, late 1987, delayed in receipt)

V of Unity [Cf Feb LN-33] has answered my question re confusing box number; after 5 months received nice map QSL card for my report of 9/87 on 17540; card shows addr on both sides as: POB 2605, 2000 Hamburg 60, W Germany. The correxion in June 87 LN-32 was obviously false & seems like a deliberate attempt to mislead other DXers. V of Unity/R Muslim Mujahideen, 9400, from \*0130 Afgh lang & flute IS to 0225; from \*0230... (Ernie Behr, Kenora Ont)

R Irana ...on same fq 13/4; also noted spurs on 9374.4 & 9425.6 past 0300, both clear (Behr) This anti-Khomeni stn in Farsi noted 1/3 & 2/3 on 9045 //7075 for 15 mins during start of 1830-1930 pgm. But then reverted to 9400, fq in use since last 6 months. 9045 carries Iran's Flag of Freedom R at 1630-1830 in Farsi //7080 and both stns use same anthem in start of xmsn (Member #84, Indian DX Club Intl, Asian DX Review #97)

Al-Quds Radio Monitoring 9-10 Apr: 9/4 07-12, AQR obs in // on 706 and 630 kHz. Believed to be first time stn obs on two MW //, tho has alternatd 702 and 630 on occasions. 10/4, Al-Quds R's pgms bc on 731 and 630 06-11 & 13-17, one hour earlier than before, presumably as result of change to summer time in Isr from 10/4. AQR commentary 10/4 called on kinsfolk not to be involved in Zionist enemy Arabic radio [V of Israel net-D] pgms such as "Tackling people's criminal cases" or even "Listeners' Requests", ZER's most dangerous pgm since it contains msgs to spies (WBI 15/4)

[Arabic: Al-Quds, al-idha'ah al-Arabiyyah al-Filanstiniiyah ala Tariq Tahrir al-Ard waal-Insan] first hrd w/test arnms in AR, HB, EG on 1/1/88, tho xmsns of mx obs on 702 kHz since at least 24/9/87. AQR gives publicity to the PFLP-GC [Popular Front for the Liberation of Palestine-General Command] and its leader, Ahmad Jibril, and to activities in Syria & Libya. Xmters believed located in Syria, and strength on MW suggest hi-power. After apparent jamming stn mved to 630 on 13/2/88, but jamming on that fq resulted in AQR using various fqs betw 700 and 738. On 9/4, stn obs for first time simultaneously on two fqs 706 & 630. While most pgming in AR, stn also carries msgs in HB, EG, occly other langs. During winter time in Isr and occupied territories, bcs one hour later than: 06-11 & 13-17 on 734 732 706 702 630 and unconfirmed on FM 105.4, 96.7 (WBI 22/4)

V of the Broad Masses of Eritrea and 22/3: as of 23/3, Amharic pgm daily. Amharic on Tue/Thu/Sun, Sat afternoon continue as before. Xmsn on M/W/F/Sa will follow pgms we present in other langs [presumably mornings]. Monitoring 19/3: VOBME hrd w/short rx in EG at 1648, preceded by: "This is the V of the Eritrean Masses being from the liberated areas of Eritrea. Here is the latest nx bulletin on the EPLF [Eritrean People's LiberationFront] victory on the Nafka front." No other bcs in EG obs from stn, which normally bcs in Tigrigna, AR, Amharic, other verns (WBI 1/4) No fqs mentd; last covered by WBI in mid-87 (gh)

R Halgan Monitoring 5-10 Apr: Stn describing self as united voice of Somali opposition forces and bc on behalf of the Somali Natl Mvmt and Democratic front for the Salvation of Somali, last hrd w/usual bc on 5/4. 6/4, xmtd only usual opening armt and Koran reading. Subsequent evs, not hrd. R Halgan originally called R Kulmis when inaugurated 8/2/79. Stn name changed 10/10/82 after DFSS and SNM ancd joint approach on struggle against Som govt under Muhammad Siyad Barreh. Xmtrs were in Addis Ababa, Ethiopia. R Halgan had bc in SM at 17-18 on 9590 and 7265 (WBI 15/4)

V of the Western Somali and Somali Abo Liberation Fronts Monitoring 5-10 Apr: stn hostile to govt of Ethiopia from facilities in Mogadishu, Somalia, not hrd since signing of agmt to normalise Somali-Ethiopian rels, which included an undertaking to halt "subversive and hostile propaganda" between the two countries. Stn had bc in SM at 0930-10 on 6095, usually only poorly hrd and last definitely IDed on 5/2/88. Was first obs 12/78 (WBI 15/4)

R SPLA still on 9550v, hrd 3/4 from \*1300 EG tlk & Af mx, 1328 AR tlks & EG ID to 1358\*, weak u/Cuba and fq drifts to 9550.2v; //11710 was strong and clear; pgm opens w/burst of MG [machinegun] fire, EG ID & same march or anthem as hrd on Natl Unity R which s/on \*1359 on 9435. SPLA probably via old RVOG xmtrs in Ethiopia (Ernie Behr, Kenora Ont)

V of the Libyan People on new 9500, from 2200 AR tlks & mx to 2326\*, vy strong 7/4, sever- al IDs: "Huna Saut ash-Shaab al-Libiy"; perhaps from a new site; Cairo was barely audible on 9475 at same time, but Kuwait on 9840 vy strong (Ernie Behr, Ont)

Monitoring 17-18 Apr: VOLP, which continues to bc on behalf of Natl Front for the Sal- vation of Libya from xmtr believed to be in southern Chad, obs 17/4 & 18/4 from 2100 until 2240\* on 9500; previously signed off at 2200 (WBI 22/4)

V of the Resistance Monitoring 20/3: bcs from Revolutionary Armed Forces of Colombia (FARC) obs at 1600 on 10257.3 USB, at 1640 on 7215.3 USB, and at 2130 on 7422.3 USB. Xmsns ancd 13/3 at 1330 on 6835 and 2300 on 14285 not traced on 20/3 (WBI 25/3)

Monitoring 27/3: at 2145, this armt in SP on 7425: "This has been a nx bulletin from the Voice of the Resistance [Spanish: LV de la Resistencia], the radial organ [sic] of the National Secretariat of the Revolutionary Armed Forces of Colombia, FARC - People's Army, and the Simón Bolívar guerrilla co-ordinating board that is bc every Sunday..."

Ed note: This stn too poorly-rcvd to allow detailed analysis of pgms. Simón Bolívar guerrilla co-ordinating board is an umbrella group whose members include both the FARC-EP (Revly Armed Forces of Col - People's Army) and the M-19 (19th April Movement). VOR previous- ly reported as FARC Radio (WBI 7/4)

P U B L I C A T I O N S Review of International Broadcasting and DX Listening Digest rates revised due to postage increases are now: US\$21 for 10 issues to US, Canada, Mexico, each; or both for \$40. Overseas airmail: US\$27 for 10 issues to Carib, CAm, NW SAM; US\$29 for rest of SAM, Eu, Naf; US\$31 for rest of Af, USSR, As, Pac. Samples \$2 in NAM, \$3 elsewhere, each. Combined discount for overseas remains \$2 off the total, i. e. \$52, \$56, \$58 respectively. Remittances must be in US funds and on a US bank, or by postal money order in US\$; or cash US at sender's risk, registered mail recommended. Available only from Glenn Hauser, Box 1684, Enid OK 73702, USA.

World Broadcasting Information Published weekly by the BBC Monitoring Service, the WBI gives up to date news on developments in world broadcasting including: details of the dif- ferent programme and frequency schedules; broadcasting behaviour and technical developments; activities of clandestine and unofficial broadcasters. [and sexions on satellites and news agencies]. For more info, write: Subscriptions Office, BBC Monitoring Service, Caversham Park, Reading, RG4 8TZ, Berkshire, England (BBCMS) Cost is 350 pounds per annum, plus overseas postage (gh)

And so ends this month's LISTENERS NOTEBOOK; anything below this line is not part of it. gh

# QSL REPORT

**ABU DHABI:** Voice of the United Arab Emirates 11825 f/d folder letter in 15 ds. for ms. (Van Horn-FL)

**ALASKA:** KNLS 6150 f/d cd. in 2 mo. (Barto).

**ANGOLA:** Emmiss Regional do Lobito 7172 prepared cd. w/ seal and a 6 page personal ltr. via registered mail in 76 ds. for an SASE (used). v/s Antonio Vilisla, C.P. 19, Benguela. (Archer-NC).

**ANTARCTICA:** LRA36 Radio Nacional Archangel Sao Gabriel 15473.8 f/d cd. in 153 ds. for a SP rpt. and 2 IRCs. v/s José Antonio Murga, Director. (Klein). Klein says this is the first QSL he has seen from this station in about a year... Sam.

**ANTIGUA:** BBC 9640 f/d ltr. direct from station w/ site in 1 mo. for \$1.00. v/s E. Hamblin, Assistant Company Manager. (Sams-KS).

**ARGENTINA:** RAE 11710 f/d "Logo" cd. in 40 ds. (Levison-PA). 9690 same in 85 ds. w/ sked. v/s Silvana Licciardi (Zobro).

**ARMENIAN SSR:** Radio Yerevan 11790 plain paper cd. in 101 ds. (Eckman-CA).

**ASCENSION ISLAND:** BBC 11860 f/d ltr. direct from station w/ site in 7 wks. for \$1.00 v/s S.M. Wadsley, Maintenance Engineer. (Sams-KS).

**ASIATIC RUSSIA:** Radio Moscow 12010 f/d "Razin Street" cd. in 58 ds. (Uerlings) 15470 f/d cd. in 9 wks. w/ personal ltr. from Tanya Lavrova stating that I heard Vladivostok during their Indonesian program. (Eckert-PA). 5290 via \* Krasnovarsk f/d cd. in 70 ds. (Rigas-IL). 4940 via Yakutsk f/d cd. in 70 ds. (Rigas).

**AUSTRALIA:** Radio Australia 17715 via Carnarvon f/d "Lyrebirds" cd. in 21 ds. (Eckman). 17795 via Shepparton f/d "Platypus" cd. in 23 ds. w/ stickers. (Brouillette-IL). 9580 same cd. in 21 ds. (Rubin-NY). f/d "Koala Bear" cd. in 16 ds. w/ schedule and sticker. (Zobro). VL8K 2485 via Katherine f/d ltr. in 15 ds. for 1 IRC. (Van Horn-FL). VL8T 2325 via Tennant Creek f/d personal ltr. in 1 mo. v/s Karen Kane, Broadcast Production Officer. (Orcutt-CA). VL8A 2310 via Alice Springs same data as VL8T. (Orcutt). Time Signal Station 6447.8 f/d ltr. in 11 ds. (Eckman).

**AUSTRIA:** Radio Austria International 6155 f/d cd. w/ sticker in 42 ds. Schedule was also received. (Topoleski-PA).

**BANGLADESH:** Radio Bangladesh 4880 n/d "Royal Bengal Tiger" cd. w/ schedule in 36 ds. for 1 IRC. (Buetow-AUT).

**BONAIRE:** Radio Nederland 21485 f/d cd. in 9 ds. (Eckman). 6165 f/d "Prince Claus" cd. in 22 ds. w/ sticker. (Levison).

**BOTSWANA:** Radio Botswana 4820 f/d cd. in 240 ds. for 1 IRC after a f/up rpt. (Uerlings).

**BRASIL:** Radio Bandeirantes 11925 f/d ltr. in 67 ds. for a PT rpt. and 2 IRCs. v/s Salomao Esper, Superintendente. (Brouillette) Radio Educação Rural 4755 p/d form ltr. in 230 ds. for a PT rpt. and ms. v/s Ailton Guerra, Gerente. (Wilkins-CO).

<b>Señor:</b>	
DAVID ONLEY	RADIODIFUSORA SAN MARTIN
Post Office Box 1013, Thornbury,	
3071, Victoria, AUSTRALIA	
AGRADECEMOS SU Q S L DE FECHA: 17 Marzo 1987	
Después de verificado su informe, le confirmamos su recepción a nuestra emisora, y estamos a la espera de sus futuros I.R.	
Cordialmente:	



 **QSL**  
**Radio "El Mundo"**  
 SINTONIA NACIONAL

**Parque Industrial - P17 -  
 Casilla 1064 - Tel. 38775 -  
 Telex 4296  
 Santa Cruz Bolivia**

**Certificado de  
 Sintonia**

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**RADIO "EL MUNDO" - Santa Cruz - Bolivia**

A Sr. SAMUEL L. BARTO

Muchas gracias por su informe de recepción.  
 Tenemos el gusto de confirmar su control de  
 nuestra emisión en ONDA CORTA 6.015 KHz.  
 10 Kilovatios, banda de 49 metros y 1.050 KHz  
 Onda Media, de fecha 7/11/87

a las 05:58 - 06:07 Hora boliviana



**FIRMA Y SELLO OFICIAL**

NOTES: Chris Rigas suggests that when transmitter sites are listed such as Radio Moscow via Frunze, we mark the site with an asterisk to note that the site was on the card. Good idea; however, I have been working under the assumption that when I note that a station was from (via) a particular site - that site is so indicated on the card. If the reporter says its from that site but not indicated on the card, I usually note (w/o site) without site...Sam. Received a very nice letter from Harold Cones. He is very pleased with his Radio Thailand QSL and is holding his breath for Radio Nepal. Harold - if I can ship one of my

daughters off to college this year, I more than likely will be able to attend the next convention...Sam. Also received letters from Sheryl Paszkiewicz in Wisconsin and from Gerry Bishop in sunny Florida.

BURKINA FASO: Radio TV Burkina 7230 p/d form ltr. in 5 wks. for a FR rpt. Schedule rcvd. (Barto-CT).

**Q.S.L.**

**Por Los  
 Caminos De América**



**DIFUSORA HEMISFERIO, S.A.  
 RADIO CLARIN**

SANTO DOMINGO, REPUBLICA DOMINICANA

BYELORUSSIAN SSR: Radio Moscow  
 7105 via Orsha f/d cd. in 70 ds. (Rigas). 9820 f/d cd. in 70 ds. (Rigas). f/d "Rowing Canal" cd. in 60 ds. (Wilkins)

CAMEROON: Radio Garoua 5010 prepared cd. in 189 ds. for a FR rpt. and a \$5.00 contribution to CATCHA. Radio Cameroon now has a new name - Cameroon Radio Television. v/s James Achanyi Fontem, Le Chef de Bureau des Nouvelles. (Archer) Radio Yaounde 4850 same data as above...new address for v/s is CRTV (Radio) Ebolowa, South Province, Cameroon. (Archer-NC).

via Gordon Edwards, III

CENTRAL AFRICAN REP: Radio Bangui 5035 p/d "Map" cd. in 36 ds. for 2 IRCs. (Buetow-AUT).

CHINA, PEOPLES REP. OF: Swiss Radio International 11695 via Beijing and 15135 via Kunming f/d cd. w/ sites in 10 ds. (Field-MI). same w/ both sites in 44 ds. (Darling-PNG). 15135 f/d cd. in 20 ds. (Rigas). Radio Exterior de Espana 7165 f/d cd. w/o site via Beijing in 44 ds. (Darling-PNG) same in 1 mo. (Palmerheim-MN). Radio Beijing 11755 cd. in 36 ds. (Darling) 11715 f/d cd. in 33 ds. (Levison). CPBS-2 5075 via Urumqi f/d cd. w/ site in 18 ds. (D'Angelo-PA).

CLANDESTINE: La Voz del CID 7380 f/d cd. in 5 wks. for 2 IRCs. (Palmerheim).


\* Radio Iran 9035 form ltr. in 37 ds. for \$1.00 (Kusalik-ALB). 9400 p/d ltr. in 30 ds. (Rigas).

**RFO**

**ROUITE NATIONALE  
 DE RADIO-TV FRANÇAISE  
 D'OUTRE-MER**

**Direction Régionale : ...NOUVELLE-CALÉDONIE.**

**QSL**



Avec nos remerciements pour votre courrier  
 Thanks for your reception report  
 Muchas gracias para usted carta  
 Vielen dank für Ihre Karte

JOE ZORRO  
 RTE. 1, BOX 201  
 MOUNT CARMEL, LOCATION  
 HANCOCK MICHIGAN  
 49930 U.S.A.

**PAR AVION**

TELÉCOM FRANÇAISE DE FRANCE  
 TEL. 28.20.28 S.P. 332  
 N°115EA Nouvelle Calédonie

\* Voice of Unity - Radio Muslim Mujahideen of Afghanistan 11490 n/d "Map" cd. w/ f/d prepared cd. in 210 ds. Addr: P. O. Box 2605, 2000 Hamburg 60, FRG. (Gavaras-MN).

**VERIFICATIONS SIGNERS:** La Voz de Carabobo 4780  
Thamara Moratinos. Radio Valera 4840 Jose Sil-  
ino Perez, Director. Radio Tropical 4936  
Juan Pablo Mori, Director. Radio Abidjan 11920  
G. Tchimou. FEBC 9800 Mrs. Alida Landman, QSL  
Secretary. BBC Relay Ascension 15400 S. M.  
Wadsley. Radio Marumby 9665 David Campos, Dir-  
ector Artistico. Radio Nacional Cabo Verde  
3931 Carlos F. Concalves. RRI Palembang 4856  
Drs. Abdul Rochim....via PLAY-DX.

**CLANDESTINE: Voice of Unity - Radio Muslim Muj-**  
\* ahideen of Afghanistan 11815 cd. in Dari/Pus-  
htu in 1 mo. (Field). 12230, 15685, 17540 same  
cd. in 2 mo. (Barto-CT).

**COLOMBIA:** Radio Macarena 5975 cd. w/ ltr. in 72  
ds. for a SP rpt., ms., and 1 IRC. v/s Enri-  
que Zambrano Nieto. (Darling).

**COSTA RICA:** Radio For Peace International 7375  
f/d cd. w/ ltr. in 46 ds. v/s James Latham,  
Station Manager. (Cones-VA). Radio Impacto 5030 "Logo" cd. w/ personal  
ltr. and sticker in 50 ds. for a SP rpt. (Van Horn-FL). Radio Lira Inter-  
national-AWR 15460 cd. w/ pennant in 43 ds. for 2 IRCS. v/s David L.  
Gregory, Manager/Chief Engineer. (Darling). 9725 cd. in 57 ds. w/ penn-  
ant and stickers. Personal ltr. was also rcvd. (Rubin-NY).

**PLEASE NOTE:** Just received my latest issue of Monitoring Times from Grove  
Enterprises. It is one of the most interesting DX publication I've read  
in many years. I would strongly recommend that that you contact Grove  
Enterprises at P.O. Box 98, Brasstown, N.C. 28902. You'll be very glad  
you did!.....Sam.

f/d "Shield" cd. w/ ltr. and pennant in 27 ds. for 1 IRC. (Bishop-FL).  
Radio Reloj 4832 f/d "Logo" cd. in 10 ds. v/s Francisco Barabona G.  
Station requests an IRC with each  
report. (Rubin).

**CZECHOSLOVAKIA:** Radio Praha 7345 f/d  
"Huboka Chateau" cd. in 23 ds.  
(Levison). p/d cd. in 52 ds. (Topo-  
leski). f/d "Farm House" cd. in 27  
ds. (Levison). cd. in 115 ds. (Zob-  
ro-MI). f/d "Wallachian Open Air  
Museum" cd. in 100 ds. (Zobro-MI).

**DENMARK:** Radio Denmark 15165 f/d cd.  
in 14 ds. (Uerlings).

**ECUADOR:** HCJB 6230, 9720 and 11775  
f/d cds. in 27 ds. (Zobro). Radio  
Jesus del Gran Poder p/d folder w/  
personal ltr. and schedule in 52 ds. for a SP rpt. v/s P. Jorge Enri-  
quez. (Archer-NC).

**ENGLAND:** VOA Wofferton 9585 cd. in 27 ds. (Darling). 7325 f/d cd. in 29 ds.

**EQUATORIAL GUINEA:** Radio Africa 9553 cd. in 470 ds. for 1 IRC. Report was  
sent to P.O. Box 851, Malabo. Reply came from Pierce International  
Communications, Inc., 10201 Torre Ave., Suite 320, Cupertino, CA. 95014

**EUROPEAN RUSSIA:** Radio Moscow 12040 via Gorky f/d cd. in 84 ds. (Darling-PNG)  
(Archer). 6045 via Moscow f/d cd. in 70 ds. (Rigas). 11900 via Serpuk-  
hov f/d cd. in 84 ds. (Archer). 6055 via Zhigulyovsk f/d "Bolshoi" cd. in  
66 ds. (D'Angelo-PA).

**FRENCH GUIANA:** Radio  
France Internatio-  
nal 9800 f/d cd. in  
1 mo. (Rubin).

**GABON:** Radio Japan  
11800 n/d "Winter  
Festival" cd. in 13  
ds. (Kacir-MI). 11880  
n/d cd. in 32 ds.  
(Uerlings). La Voix  
de la Renovation  
4777 via Libreville  
f/d folder cd. in  
170 ds. (D'Angelo).



**RADIO DISCOVERY**  
The Voice of the Caribbean

via Richard Davis

This QSL card confirms your  
reception of Radio Discovery  
from Santo Domingo,  
Dominican Republic.

Date: 19 Dec. 1986 UTC

Time: 0130-0205 UTC

Frequency: 6245 kHz

*First report from New Mexico!*  
Thanks for listening.

Dear Mr. Helms,

We are glad to verify your reception report on our program  
transmitted on 9770 kHz at 0153 hours 0242  
hours GMT, dated Dec. 17, 1987.

Your further reception reports on our broadcasts are welcome.

P.S. This broadcast was relayed via Mali.

Thanks for listening. Sincerely yours,  
sorry that a pennant is not available English Department  
right now. Instead, mine awaiting you Radio Faking  
a calculator for 1988. Hope you like it.



**UNITED ARAB EMIRATES**  
Ministry of Information & Culture  
Voice of the UAE from Abu Dhabi,  
P.O. Box 63, Abu Dhabi.



**RADIO IRAN**

17, Bd. Raspail - 75007 PARIS - France

via Rich D'Angelo

Thank you for your letter of 22 NOV 1971 and the interest you have shown in my program. It is of great interest to me to know that our broadcasts have been heard in your area. We would like to inform you that the one-hour program of Radio Iran, the voice of the Iranian national resistance movement led by Shapur Bakhshar, is periodic (Farsi) language broadcast at 07:30, 04:00, 13:30, and 18:30 GMT every day. We transmit on the following wave lengths and powers:

19 meters	1540 KHZ	300 kilowatts
25 meters	11720 KHZ	300 kilowatts
31 meters*	9385 and 9394 KHZ	500 kilowatts
41 meters	9400 KHZ	250 kilowatts
61 meters	7170 and 7075 KHZ	1000 kilowatts

We hope the above information has been of use to you.

**GALAPAGOS ISLANDS:** La Voz de Galapagos 4810 f/d cd. in 50 ds. for a SP rpt. and ms. (Van Horn-FL).

**GERMAN DEM. REP:** Radio Berlin International 21465, 21540 and 17880 f/d "Dresden" cd. in 1 mo. (Barto). 7260, 9730 and 6115 f/d "Serie DDR-8" cd. in 1 mo. (Barto). 9730 f/d cd. in 68 ds. (Topoleski). Y3S 4525 n/d folder cd. in 122 ds. (Davis-NM).

**GERMANY, FEDERAL REP OF:** Bayerischer Rundfunk 6085 cd. w/ sticker in 8 ds. (Eckman). same in 32 ds. for \$1.00. (Archer). VOA 7105 via Wertachtal f/d cd. in 1 mo. for ms. (Wilkins). 9575 cd. in 27 ds. (Darling). Radio Liberty 3985 and 11815 via Biblis cd. in 2 wks. (Field). Sudwestfunk 7265 p/d cd. in 202 ds. for 2 IRCs. (Davis-NM). Eckman

**GHANA:** GBC 6130 f/d cd. in 49 ds. for ms. (Eckman).

**GREECE:** VOA Kavala 7270 cd. in 27 ds. (Darling)  
**GUAM:** KSDA 11965 f/d cd, in 43 ds. for 2 IRCs. (Brouillette-IL).

**Note:** ISBS schedule: 1215-1245 (13775, 9675), 1855-1935 (9986, 7933, 3400, 11890) 1300-1330 (11731), 2300-2335 (11740, 9978) and Sat/Sun 1600-1645 (11890, 15390)...most of these transmissions monitored here...Sam.

**GUAM:** AWR 17865 f/d cd. w/ sticker in 45 ds. (Eckman), 11965 f/d cd. in 39 ds. (Uerlings)

**GUATEMALA:** Radio Buenas Nuevas 4800 cd. in 48 ds. for a SP rpt. and ms. v/s Irael Rodas M., Gerente. (Archer), f/d cd. in 54 ds. for a SP rpt. and ms. (Van Horn). p/d "Weavers" cd. in 54 ds. for a SP rpt. and used stamps. (Bishop-FL). n/d personal ltr. in 7 wks. for a SP rpt. (Field-MI).

**GUYANA:** GBC 5950 f/d cd. w/ personal note after 7 yrs. of reports. Card took 54 ds. (Archer-NC).

**HOLLAND:** Radio Nederland 9860 via Flevo "Feeder Challenge" cd. in 106 ds. (Darling).

**HONDURAS:** La Voz de la Mosquitia 4910 n/d ltr. w/ pennant in 17 ds. for ms. v/s Sammy Simpson, Executive Director. (Brouillette). HRVC 4820 p/d cd. w/ pennant in 17 ds. (Bishop-FL).

**HONG KONG:** BBC 15435 cd. in 56 ds. (Darling). 7160 "Fish and Duck Farm" cd. in 15 ds. (Uerlings).

**HUNGARY:** Radio Budapest 9835 f/d cd. in 28 ds. (Topoleski). cd. in 52 ds. (Levison). 9520 via Jaszbereny

f/d "Costume" cd. in 98 ds. (Kacir)  
**INDIA:** AIR 3295 f/d "Temple" cd. in 44 ds. (Kusalik). 4860 f/d "Gateway" cd. in 1 mo. for 2 IRCs. (Wilkins). 11620 f/d "Fort Agra" cd. in 30 ds. (Zobro).

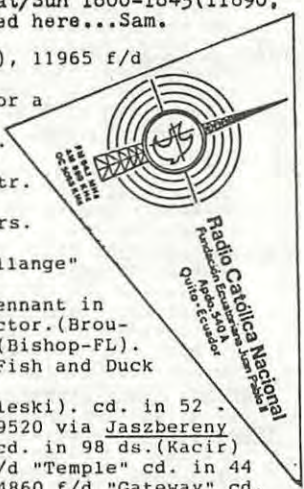
**ITALY:** RAI 17800 f/d "Death of Guisseppi" cd. in 1 mo. (Rubin). 9575 f/d cd. in 84 ds. (Zobro).

**JAPAN:** Radio Japan 5990, 15195 and 9585 n/d cd. in 2 mo. (Barto). NHK Sapporo 3970 n/d ltr. w/ cd. in 22 ds. for 1 IRC. (Darling). NHK Kumamoto 6130 p/d form ltr. in 15 ds. for 1 IRC. 600 watts. Addr: 7, Chibajo, Kumamoto City. (Darling).

**JAVA:** RRI Yogyakarta 5046 personal ltr. in EG in 24 ds. for ms. and SAE. v/s Mr. Tomo, Program Director. (Archer).

\* RKPDTL Jawa Timur Surabaya 3000 ltr. from station claims 1 KW from a homebrew xmtr. Open dipole antenna. v/s Walujo Soebagio BE. (Darling-PNG).

**KALIMANTAN:** RRI Samarinda 6135 ltr. in \* 34 ds. for SASE. v/s Drs. Supo Sunardi. 1KW xmtr into a delta match antenna. (Darling).



**radio**

**La Voz de la Selva**

ARRIBA, 301  
AFRATADO 307  
SANTISIMO - PLEHU  
TEL. 20443 - 20442

Iquitos, 4 Enero de 1968

Por medio del presente le comunicamos que se informo ha sido re-  
visado y aprobado con sus correcciones y que ya el 21-11-67 si-  
recipendi el permiso Radio "LA VOZ DE LA SELVA" en la frecuencia  
de 4820KHZ.

Radio "LA VOZ DE LA SELVA" es una emisora de educacion popular  
cuyo objetivo es "ser instrumento del pueblo, que es una pers-  
pectiva de evangelizacion integral, contribuye a que al hombre  
sumido en su objeto transformador de su propia historia....  
Para lograr esto, nuestra emisora cuenta con programas educa-  
tivos dirigidos al campo y a los barrios marginales de la ciudad,  
tambien cuenta con programas musicales y recreativos.

Radio "La Voz de la Selva" está situada en medio de un mercado  
donde la gente viene a comprar sus alimentos pudiendo así lo-  
grar que la gente participe de una forma directa en los progr-  
mas.

Agradecemos por la atencion y desearo exitos en sus proyectos  
tendientes.

Atentamente,  
*Julian P. P.*  
DIRECTOR GENERAL

DIRECCION DEL INSTITUTO DE PROMOCION SOCIAL AMERICANA / *IPSA*

TEL 2044-2045 - OFICINA GENERAL DE SERVICIOS - 20 20 - OFICINA SOCIAL, 203 2042 - 20 20 - P.O.

KAMPUCHEA: Voice of the People of Kampuchea 11940 p/d ltr. in 330 ds. Also rcvd. personal ltr., pennant and stamps. (Lare-MI).  
KAZAKSTAN: Radio Moscow 7260 via Alma Ata f/d cd. in 6 wks. (Eckert-PA).

KENYA: Voice of Kenya 6150 p/d ltr. in 60 ds. v/s Anthony K. Kwenja, Engineer in Charge. (Wilkins).

KIRIBATI: Radio Kiribati 14802 f/d cd. in 9 mo. (Field). 16433 f/d "Village Scene" cd. in 2195 ds: v/s Mrs. T. Paeniu. (Uerlings).

KOREA, REPUBLIC OF: Radio Korea 15575 f/d cd. in 18 ds. w/ schedule and sticker. (Topoles-LEBANON: King of Hope 6280 f/d cd. in 17 ds. for 2 IRCs. v/s Scott McDonald. Card was sent to address in Israel. (Van Horn-FL).  
LESOTHO: LNBS 4800 f/d "Flag" cd. in 340 ds. for an EG rpt. (Gavaras-MN).

LESSER SUNDA ISLANDS: RPD Ende 2695 prepared cd. w/ ltr. in 32 ds. after 2 f/up rpts. in IN. v/s Thomas Keropong (YC9LHD). Station runs 500 watts into a dipole antenna. (Darling-PNG).

MALI: Radio Beijing 11790 via Bamako f/d cd. w/ site in 44 ds. (Darling). 9770 f/d "Camel Riders" cd. in 47 ds. w/ stickers and papercuts. (Kadir). f/d cd. in 6 wks. (Field).  
MALTA: Deutsche Welle 15105 n/d cd. in 63 ds. (Uerlings).

IBRA Radio over Radio Mediterran 6100 f/d cd. w/ pennant in 3 wks. (Field).

MANCHURIA: Heilongjiang PBS 4840 via Harbin f/d cd. in 18 ds. via Beijing (D'Angelo).

MAURITANIA: Radio TV Mauritanie 4845 f/d personal ltr. in 5 wks. for a FR rpt. v/s Lambrouket Bourekhet. (name?)

MEXICO: Radio Educacion 6185 form ltr. w/ postcard in 6 mo. for a SP rpt. v/s Ing. Gustavo Carreno L., Sub-director Tecnico. (Kusalik).

MONGOLIA: Radio Ulan Bator 12015 and 9615.9 f/d cd. w/ photos and schedule in 2 mo. Card and envelope spells the station name as Radio Ulaan Baatar. (Barto). 9615 cd. w/ schedule in 148 ds. (Darling-PNG).

MONACO: TWR 7105 via Mount Agel f/d cd. in 40 ds. w/ sticker, program schedule and pennant. (Zobro).

MOZAMBIQUE: Emissora Prov. de Sofala \* 9637 n/d ltr. in 48 ds. after a f/up rpt. in PT for an SASE. v/s Armino Chunguana. (Wilkins).

NIGER: La Voix du Sahel 5020 f/d prepared cd. in 45 ds. v/s Yacouba Alwali.

NORWAY: Radio Norway International 15315 f/d "Antenna" cd. in 51 ds. w/ schedule. (Rubin). 15310 f/d "Stave Church" cd. in 44 ds. w/ schedule and sticker. (Topoleski).

OMAN: Radio Oman 9735 f/d "Date Palm" cd. in 68 ds. v/s Rashid Haroon, Head of Radio Maintenance. (Archer). same cd. in 6 wks. w/ schedule. (Field-MI). same in 92 ds. for \$1.00. (Wilkins-CO).



TRUJILANA DE RADIODIFUSION S.A.  
T.V. 24. 1220 SA.  
T.V. 24. 404

Fecha: 29-10-87

Al señor RICHARD A. D' ANGELO.

De 2216 BURKEY DRIVE, WYOMISSING, PA 19010 EE. UU. DE A.

Confirmamos su Q.S.L. de fecha: 12-10-87

ha sido muy valioso para nosotros  
Descomulose éxito en sus actividades SWL.

Saludos:

P.O. BOX - Avd. 10 No. 9-31  
Valera - Venezuela

LA VOIX DE LA RENOVATION  
via Rich D'Angelo

R  
T  
G  
ADIODIFFUSION  
ELEVATION  
ABONNAISE

D.P. 150 - LIBREVILLE  
(République Gabonaise)



PAKISTAN: Radio Pakistan 4780 f/d cd. in 50 ds. (Rigas). 5090 ltr. w/ cd. schedule and sticker in 2 mo. (Bar-to-CT).

PAPUA NEW GUINEA: Radio Gulf 3245 n/d ltr. in 170 ds. for \$1.00 v/s Daniel Mailau, Acting Manager (Wilkins). f/d ltr. in 27 ds. for ms. (returned) v/s Mark Ahura, Manager. (Van Horn). Radio Morobe 3220 ltr. w/ postcard in 19 ds. v/s A.R. Nase, Station Manager. (Archer).

**PAPUA NEW GUINEA:** Radio Northern 3345 n/d cd. w/ personal ltr. in 35 ds. v/s Misael Pendaia, Provincial Station Manager. (Archer). Radio Eastern Highlands 3395 "NBC Map" cd. w/ personal ltr. in 20 ds. for SASE. v/s Kiri Nige, Senior Technician. (Archer). NBC Port Moresby 4890 cd. in 101 ds. for 1 IRC. (Eckman).

**PARAGUAY:** Radio Encarnacion 11944.7 p/d ltr. in 65 ds. via registered mail. v/s Prof. Alejandro Lapiere, Director. (Archer).

**PERU:** Radio Tropical 4935 p/d cd. in 3 wks. for a SP rpt. and \$1.00 v/s Juan Pablo Mori. Pennant and sticker rcvd. (Howard-CA). Radio Cusco 6191.7 f/d cd. in 2 mo. for a SP rpt. v/s Elena Lizarraga P.C., Gerente General. (Barto). Radio Quillabamba 5025 p/d form ltr. in 41 ds. for a SP rpt. and ms. Beautiful pennant rcvd. v/s P. Rufino Lobo Alonso o.p., Director. (D'Angelo-PA). La Voz de la Selva 4825 ltr. w/ cd. in 20 ds. for a SP rpt. and SASE. v/s M. Elebar. (Archer).

**PHILIPPINES:** Radio Veritas Asia 9770 f/d cd. w/ schedule in 1 mo. v/s Cleofe R. Labindao, Audience Relations Officer. (Field). f/d "Jeepney" cd. in 35 ds. (Rigas). Deutsche Welle 9690 over RVA f/d cd. in 1 mo. (Field). VOA Poro 15185 cd. in 23 ds. This was after

I received a "cannot verify" card! (Darling-PNG).  
**POLAND:** Radio Polonia 9525 f/d "Chopin" cd. w/ letter, stickers and schedule in 99 ds. (Topoleski).

**PORTUGAL:** Radio Portuguesa 9600 p/d prepared cd. in 36 ds. w/ schedule.

**QATAR:** Qatar Broadcasting Service 9585 n/d ltr. w/ schedule in 110 ds. (name?)... Please make sure you place your name at the end of each contribution to the QSL Column... Sam.

**RYUKYUS:** VOA Naha 7165 f/d cd. w/ site in 2 wks. \* for a 1976 report. (Sams-KS).

**SENEGAL:** Radiodiffusion TV Senegal 4890 f/d "Globe/Antenna" cd. in 28 ds. for a FR rpt. and ms. (not used). (Archer).

**SOUTH AFRICA:** Radio Five 4880 f/d "Suid-Afrikaanse Uitsaaikorporasie" cd. w/ 2 stickers in 55 ds. for SASE. v/s Minnie Visser. (Archer). same f/d cd. in 53 ds. w/ sticker. (Topoleski). Radio RSA 9580 f/d "Basotho Hunters" cd. in 23 ds. (Kacir).

9615 f/d "Johannesburg" cd. in 3 wks. v/s Fanus Venter. (Rubin).  
**SPAIN:** Radio Exterior de Espana 9630 f/d "Bullfight" cd. in 2 mo. (Topoleski). 6125 f/d "Archivo de Indias" cd. in 46 ds. (D'Angelo). same in 43 \* ds. (Eckman). Radio Beijing via Noblejas 9690 f/d cd. w/ stickers in 2 wks. (Field-MI).

**SRI LANKA:** VOA 9645 f/d cd. in 28 ds. (Eckman).

**SUMATRA:** RRI Banda Aceh 3905 prepared cd. w/ ltr. in 30 ds. after 2 f/up rpts. in IN. v/s S.H. Rosakim. (Darling). RRI Pekanbaru 5894 f/d personal ltr. in 27 ds. for an IN rpt. v/s Zainal Abbas. Addr: Jl. Jend. Sudirman No. 440, Pekanbaru. (Archer).

**SWEDEN:** Radio Sweden International 15345 f/d "Stockholm in May" cd. in 12 ds. w/ schedules. v/s Claude Stephenson. (Rubin).



via Rubin

## Adventist World Radio

Latin America  
Radio Lira Internacional

Short Wave Band  
19, 25, 31, 49 meters

# RFI

Radio France Internationale

**РАДИО МОСКВА**  
RADIO MOSCOW

Dear Mr. Rubin,

This certifies your report on the reception of Radio Moscow's broadcast in Russian

Date: 8.12.87

Time: 03.00 UTC

Frequency: 5290 kHz via Krasnodarsk

Сведетелство за прием на радиостанцията Радио Москва

Грубова адреса е Москва

© 1988 Радио Москва

**SWITZERLAND:** Radio Beijing 3985 via \* Lenk "Tientian Park" cd. w/o site in 34 ds. (Buetow-AUT).

**THAILAND:** Radio Thailand 9655 f/d "Topoo Island" cd. in 30 ds. for 2 IRCs. (Cones). 4830 personal ltr. in 43 ds. for SASE. v/s Bubba Laemluang, Chief of External Services. (Darling).

**UKRAINIAN SSR:** Radio Kiev 13645 f/d "Glass Goat" cd. w/ schedule and stamps in 60 ds. (Eckman). Radio Moscow 7170 via Kiev f/d cd. in 70 ds. (Rigas).

SISTEMA RADIOFONICO H. B. RUGER Barahona y Hnos. S. A.

via Rubin

No. 1 EN COSTA RICA GRACIAS A USTED.

730 K H 7 ONDA MEDIA

94.3 MGZ F.M.

6006 KHZ 49 METROS

4832 KHZ 60 METROS

PERMANENTE... CON EL SOL.

UKRAINIAN SSR: Radio Moscow 7115 and 7310 via Ivano-Frankovsk f/d cds. in 66 ds. (D'Angelo). 4795 via Kharkov f/d "Lenin Library" cd. in 66 ds. (D'Angelo). 9710 via Kiev f/d cd. in 66 ds. (D'Angelo). 6200 via Vinnitsa f/d cd. in 66 ds. (D'Angelo). 7195 and 5915 via Simferopol f/d cds. in 66 ds. (D'Angelo).  
 USA: KUSW 17715 f/d cd. in 6 wks. for ms. (Palmerheim). f/d cd. in 40 ds. for ms. (Cones). 15580 f/d cd. in 21 ds. w/ schedule. v/s Faith Martin. (Zobro). f/d cd. in 1 mo. (Rigas).



<b>РАДИО МОСКВА</b>	
RADIO MOSCOW	
Dear Mr. Rigas,	
The radio you report on the receipt of Radio Moscow's broadcast in Russian	
Date	2.1.68
Time	12.45 UTC
Frequency	4940 kHz via Yakutsk
MOSCOW, Base Band and the "Theory" Band	
Valera Pasma	
Moscow	

f/d cd. in 1 mo. (Rigas). 11680 f/d cd. in 15 ds. (Rubin). 15225 p/d cd. in 40 ds. for ms. (Wilkins). same cd. in 7 wks. (Kusalik). 17715 and 15225 f/d cd. in 3 wks. (Barto). WINB 15295 f/d cd. in 81 ds. w/ schedule. v/s John H. Norris. (Zobro). VOA Dixon 17880 cd., w/ pennant and schedule in 48 ds. (Darling-PNG). WCSN 9465 n/d cd. in 207 ds. (Darling). ltr. in 3 mo. (Eckman). WYFR 17612.5, 17845, 15170, 15666 and 13695 f/d cd. in 3 wks. (Barto). Voice of Free China 5985 via WYFR f/d cd. in 33 ds. (Levison). f/d "Dragon Boat Race" cd. in 1 mo. (Levison). 9555 f/d "Chu Tse Shan Relay Station" cd. in 22 ds. w/ pennant and sticker. VATICAN: Radio Vatican 7315 f/d cd. in 93 ds. (Zobro). (Zobro-MI). VENEZUELA: Radio Valera 4840 large cd. in 121 ds. for a SP rpt. and ms. Sticker rcvd. (D'Angelo-PA).

O.A.X. 7A	<b>RADIO CUSCO</b>	O.A.X. 7G
6185 Kc.		1470 Kc.
Confirmamos su recepción de fecha <u>11 de junio de 1967</u>		
En frecuencia de <u>6.195 kc. en 49 metros</u>		
En horas <u>De 05.30 a 06.46 horas</u>		
RADIO CUSCO S.C.R. Ltda.		
<i>Elvira Pirona P.C.</i>		
Kilma Lodrigo Pacifico Casaca		
REMIENTE COMUNA.		

WEST IRIAN: RRI Serui 4607 station returned my untouched report and all enclosures (including unsigned card and IN ms.) in my SAE, stuck a used U.S. airmail stamp on it, handwrote return address, and mailed it back to me. (Archer).  
 \* RRI Nabire 5055 f/d prepared cd. and ltr. in 34 ds. for an IN rpt. (Kusalik-ALB).  
 YUGOSLAVIA: Radio Yugoslavia 5980 f/d "Oplenac Mausoleum" cd. in 96 ds. (Topoleski).

That's for this time around. Hope everyone noticed that I am using a new typewriter. I'll do some experimenting with it and we'll see what happens: Till next time.....73s

*Sam*





# FRENEX LOG REPORTERS

Distributing Editor: John F. Henault, 55 Lincoln St., Abington, MA 02351

FRENEX CONTRIBUTORS LIST \*\* MAY 1988 ISSUE \*\* DEADLINE = 10TH OF MONTH

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\*\*\*\*\*

Here we are for another month my friends. A rather light turnout this month. Most likely due to the fact that everyone is busy trying to figure out these new Tax Forms. Good old Uncle has reduced our deductions this year but it seems we are paying more money on supposedly reduced taxes hi.

**IMPORTANT NOTE :::::**

Starting with the logs due for the JULY 1988 ISSUE of FRENEX, I am starting a new DEADLINE DATE for logs to arrive here. Please make note that the new deadline will be the 10th of the Month instead of the old deadline of the 12th of the month. This change is required due to the poor delivery service of the US Postal Service so please make note of the changes on your calendars or wherever you make reminders of due dates for sending out your loggings. Again, new deadline = 10th of MONTH !!!!!

That about does it from here for this month folks. My taxes are all completed and mailed, my correspondence is overflowing my desktop and the overtime work at the Police Station is overwhelming as good weather has finally arrived here and I am busier than a One Armed Paperhanger.

Until next month my friends, Pleasant Listening and Best Regards.



**PLEASE NOTICE**

As you will see, we have a rather reduced Log Report section this month. For some reason, all the Log Report slips except Log Report "C" were lost in the mail. It is somewhat difficult to ascertain exactly how this was done, but done it was. I hope this is not an indication of future postal service after the rate hike.

Wally Treibel, Log Report "D", was able to compile one page of loggings from material sent directly to him. Thanks for the effort, Wally.



# LOG REPORT

## section C

6200 to 11699 kHz

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

- There are lots of reports this month. Thank you for your support.
- 73's JERRY E.
- 6015 AUSTRIA R.Austria Int'l. 0320-0040 FR/EG y1 w/mx sels, tk/lcl mx, ID's, om & yl ancrs, interview; p. (Jordan-PA 2/13)
- 6100 NICARAGUA LV de Nicaragua 0633-0854\* EG "Eg svc of the inter-nat'l sw dept of the voice of Nic.", nx abt CA, U.S. soul & pop mx; g. (Jordan-PA 2/27)
- 6210 ENGLAND R.Caroline 0035-0145 EG rock mx, wx checks, TC, ancats, g. sig. tnx Zeller for tip! (Paszkiewicz-WI 2/27) / 0025 pop mx, ID's, ads for Canadian lottery f-g. (Forth-IL 3/3) / 0111-0230 as above, g. (Robinson-IL 3/3) / 0525-0600 rock mx. ancats, "you are listening to Caroline, 558" (Topoleski-PA 2/29)
- 6240 BANGLADESH p RB 1319 Asian? om, yl hosts, Indian style mx, deep fades, p. (Eckman-CA 2/22)
- 6323.7 PERU Estacion C (t) 1122-1135 SP OA mx & OM ancr, prop poor, QRM strong; (Archer-NC 2/28)
- 6305 GUATEMALA (t) LV del CID 0832 SP ID's, "Festiva Musical" pgm. vg. (Eckman-CA 2/8)
- 64:17.8 AUSTRALIA Aus. Naval Sta. 1330 Time pips, skip 59th sec. vg. (Eckman-CA 2/22)
- 6550 LEBANON Vol 0115 AR/FR ads, ID,tk,nx; (Slagt-Aruba 1/20,1/30)
- 6578 NO KOREA RP 1146 EG pgm sked, s/off, g.(Forth-IL 2/20) / 1100 IS, ID, freq, nx, mx, g. (Irvine-TX 2/28)
- 6581 UNID 0041-0103 SP LA pops, ballads, trop mx, anmct by om DJ/TC, pos CA time zone. ute QRM g. (Brouillette-IL 2/29)
- 6625 CLAND R.Venceremos 0018 SP tks/anti gov't.//6580 (Slagt-Aruba)
- 6620 UNID 0028-0032 US pop mx "Like a Virgin"/Madonna, off (Brouillette)
- 6630 UNID 0035-0105\* US rock mx, older stuff, jam session (Brouillette)
- 6900 TURKEY Meteorological St. #0500-0530 pre. Id'd as Turkey w/mixed chorus at s/on. om ancr w/wx report? mx, f. (Archer-NC 2/8) / #0458-0545 pos. anthem, yl w/s/on ancats. mx, wx; SIO-252 (D'Angelo)
- 6933 CHINA PR RB 2222 SP tk abt agriculture reforms, etc. (Slagt 1/30)
- 6995 CUBA CLX , Meteorologia de la Academia de Ciencias de Cuba 2300-2316 SP ID, s/on ancats by om, yl w/wx info for caribbean, CA, So.Aa. mx, off. rpt /Glenn Hauseron W-O-R 1/23 & Jordan FT # 461 D'Angelo-Pa 2/18)
- 7065 ALBANIA RT #0330-0355\* EG IS, intro theme, yl ancr w/ID, nx, tk abt econ. conf. SIO-243/333 (Jordan-PA 2/26)
- 7110 MALI Bamako 0716 FR s/on, catry, mx; om ancrQRM/TWR f.(Rhyne-NC)
- 7110 TURKEY VoT 0330 TK mx, QRM/R.Moscow// 9445 g.(Laskowski-IN 3/1)
- 7115 BULGARIA RM rel. 0110 EG rpt./Gorbachev sp; SIO-555 (Bryant-GA / R.Sofia 2045 mx, RM nx, SIO-333 // 6070, 7155 (Levison-PA 2/20)
- 7120 AUSTRALIA RA 0700 EG nx, QRM/DW (Slagt-Aruba 1/13)
- 7120 INDIA AIR 0140 HINDI POSS. NX, MENT. ITALY. REAGAN; (SLAGT-ARUBA)
- 7125 GUINEA REP R.Nac. 0705 FR rapid tk/om ancr, ID; (Slagt-Aruba)
- 7135 CYPRUS BBC rel. 0115 EG tk abt J.Jackson; SIO-322 (Bryant-GA)
- 7149.1 SO.AFRICA, TRANSKEI Capital R. 0530 EG. pres. pop mx, Top-40 for mat w/Br. accented ancr, cigarette ad. (Sams-KS 2/17)
- 7160 HONG KONG BBCWS #1300 EG om w/nx, wk signal w/ARO QRM (Laskowski-IN 2/26)

- 7165 LITHUANIAN SSR R.Vilnius 2303-2324 EG nx, pgm abt Lithuania g. (Topoleski-PA 2/28)
- 7165 CHINA, PR REE rel. 1000-1055 SP nx, ID's, tk, // 1190 ;(Renfrew-NY)
- 7170 GREECE VOA-Kavalla \*0200-0330 multi-Lang. s/on, tks, QRM'd, ID, lcl mx bridges; (Jordan:PA 3/1)
- 7170 NEW CALEDONIA RFS 0805 Fr nx, Canada ment. // Tahiti f. (Walley-CA 1229-1302 om ancr. ment N.Caledonia, tk, Ham QRM(Robinson-IL 3/13)
- 7170 CHINA, PR Xizang Lhasa 1128 CH yl tk, ID, RTTY QRM (Slagt-Aruba)
- 7172 ANGOLA ER do Lobito 0457-0538 PT mx to 0459/vibraphone, ID-R.Nac. do Lobito; SIO-343 (D'Angelo-PA 2/6)
- 7165 FRANCERFI 0343 EG nx, yl ancr, mx hall tunes; (Hankins-PA 2/20)
- 7175 LIBERIA VOA-Monrovia EG Challenger? Eckman-Ca
- 7175 Guinea RTV Guineenne Conarky 0730-0800\* FR tks by om, ID, mx/ drum, lcl wind instruments, tk, lcl mx bridge; (Jordan-PA 2/19)
- 7180 HONG KONG 1119 CH/EG mx, pos. EG lesson; SIO-343 (Levison-PA 2/11)
- 7180 JAPAN NHK 1125 JP tk, U.S. pop mx, QRM/BBG (Slagt-Aruba 1/18)
- 7185 BURMA B8St 1120 Lang. om ancr ment Burma, pos ID/EG (Slagt-Aruba)
- 7190 YEMEN, PDR YBC-Aden 0552 AR vocals, aud, SIO-232; (Bryant-GA 3/9)
- 7190 PORTUGAL RFE-Lisbon 0550\* RSt mx, ID/om, 'Das Vadenza' (Bryant-GA)
- 7200 SOMALIA R.Mogadishu 0405 AR om/nx, ment Djibouti, (Laskowski-IN)
- 7200 UK VOA-Woolferton 0548 EG pgm/cocoa prod. SIO-242 (Bryant-GA 3/9)
- 7200 GABON Africa #1 0705 FR lcl mx, catry; (Rubin-NY 3/10)
- 7205 ALBANIA RT 0630 EG nx, f. sig; //9500 (Rhyne-NC 2/21)
- 7235 MALTA DW rel. 0500 AR DW/ID nx/om; SIO-333 (Bryant-GA 3/1)
- 7250 VATICAN Vatican R. 2102-2107 EG 'Newsdesk', nx; (Topoleski-PA 2/20)
- 7255 NIGERIA VoN 0540 EG catry/Af. econ, mx, to W.Africa (Walley-CA 2/6 / 0805 'Africa Today', tk, lcl mx, s/off (Slagt-Aruba 1/28 / 0551-0600 ID, "...Nx abt Nigeria best from the Voice of Nigeria, Lagos" g. sig (Loran-CA 3/23)
- 7255 BOTSWANA RB 0455-0532 Lang om ancr w/ancats, ID, mx (Jordan-PA)
- 7265 GERMANY, FRG Sudwestfunk 0216-0311 GM pop rock mx, ID (Robinson-IL)
- 7270 GERMANY, FRG DW #0530-0558 CZ/SL s/on, ancats, nx, tk, IS // 9650 QRM (Jordan-PA 2/21)
- 7270 POLAND R.Palonia 2308 EG mx/classical piano; SIO-323 (Levison-PA /2330 S/on, nx rev. Polish nx; (Slagt-Aruba 1/30)
- 7275 USA VOA 1115 Bahasa end of int. nx, tk/educ. inUS. (Slagt-Aruba)
- 7275 uzbek SSR R.Tashkent 1220 EG yl/tk, p.QRM, AR style mx. (Eckman-CA / \*1200-1230\* Hindi/EG tk, om, yl ancrs, variety of mx (Jordan-PA)
- 7290 LIBERIA VOA 0420 EG nx, 'Tutu's call for sanct' SIO-333 (Bryant-GA)
- 7310 USSR RM 0340 EG Olympic update, (Hankins-PA 2-20)
- 7355 USA WRNO 0336 EG 'Hill-Billy mx, Army comm. (Hankins-PA 2-20)
- 7375 COSTA RICA R. for Peace 0116-0130 EG tk abt Audobon Soc. study, ID, "...From the Univ. of Peace in Costa Rica" (Loran-CA 3/23 / yl tk abt Psych, Biology, etc, history & women's history. address given/ P.O. Box 51936 Pacific Grove CA 93950 g/f; (Hankins-PA 2/23)
- 7380 CLAND LV del CID 0050-0140 SP yl ancr ments of Castro, Cuba. ID as 'R. Camillo Cienfuegos' om ancr, QRM, QRN; (Jordan-PA 2/21)
- 7430 GREECE VoG 0655 GK mx w/GR DJ. (Rubin-NY 3/4)
- 7365 USA, ALASKA KNLS 1301 EG/Lang ID/EG into Lang. g. (Forth-IL 2/18)
- 7400 LITHUANIAN SSR R.Vilnius 2300 EG om/wld nx, yl/nx abt Lithuania -banning of arial pesticide spraying; SIO-454/13645 (Bryant-Ga) "R.Vilnius Playback" w/look at Lith. life. 'Lith. by Radio', folk mx; g. (Jordan-PA 2/7) / 2315-2330 lang. lesson, yl, om ancr. ID, freq. by yl. IS, into Slavic lang. SIO-454 (Cobb-Me 3/8)
- 7412 INDIA AIR 2200 EG yl/nx, // 11620 (best), 9910. ID as "This is All India Radio", lots of mx. (Laskowski-IN 2/28)
- 7420 USSR RM (DS-1) (Serpukhov, per RD1 0415 RS radio-drama/ sitcom or burlesque? SIO-343 (Bryant-GA 3/14)

7430 GREECE Edo Athens 0326 GK lcl mx, instr, on ancr. (Hankins-PA)  
7450 SPAIN REE 0559-0603 SP IS, time, nx, vg. sig. (Topoleski-PA 2/14)  
7462 ISRAEL KOL 0100-0110 EG wld nx, nx, Palestine history (Hankins)  
7475 TUNISIA RTV 0405-0520 AR carrier/0400, anthem, mx, nx (Robinson-IL)  
/ 0600 tk, mx, nx, ments of Tunis, no //7310 (Laskowski-IN 2/28)  
7510 CLAUD R. Venceremos 1218 SP s/on, ID, freq, Cent. Am. mx (Slagt)  
7670 BULGARIA 'Govrrit Sofia' \*0357-0535 BU Domestic pgm, vy. weak.  
yl ancr, six pips, mx (Renfrew-NY 3/59)  
9022 IRAN VOIRI 1950 EG yl tk abt EEC meeting/Brussels, ID (Feeley-GA)  
9360 SPAIN REE 0220-0400 SPom & yl ancrs, tks, mx, tks. f/g (Jordan-PA)  
0038 bagpipe type mx, orch. mx, exc. (Hankins-PA 2/9)  
9385 ISRAEL KOL \*0445-0530\* HBp/EG/FR time pips, s/on, nx. (Jordan-PA)  
9395 GREECE VoG 0136-0141 EG nx, Mx. (Loran-CA 3/23)  
9420 GREECE Edo Athine 0032 GK string & vocal mx by on, yl (Hankins-PA)  
9435 SUDAN National Unity R. \*1406-1430 AR suddenly on, om/tk, pray  
ers, no ID, mx. (Jordan-PA 2/3) /1415-1505 on tk, ments of Iraq  
& Iran, several abrupt breaks, mx/vocal & drums to 1505\* Jordan  
2/2) / \*1400-1500 s/on w/recitations, mx ments of Sudan, NA at s/  
off at 1504. No ID heard but lotsof sources. (Laskowski-IN 2/25)  
9435 ISRAEL KOL 2014 EG om/yl tk abt dietary prob./prod. (Hankins-PA  
2/15) /2350 SP ID by yl, nx, freq. s/off, IS; SIO-444 Bryant/GA  
3/8) / 0104 EG nx, Q & A pgm. yl w/nx. (Hankins-PA 2/8) / 0325-  
0355\* YD/HB mx, voc & accordian, prayer, nx, (Jordan-PA 2/2)  
9445 TURKEY VoT 0017 TK mx (pos prayers), mx/om & yl vocals, on ancr.  
(Hankins-PA 2/9) / 2020 LAng on tk. (Hankins 2/15) / 0315-0410  
TK/EG sels TK instr. & vocal Mx. yl ancr, tks, lcl mx; (Jordan-PA  
0022-0030 EG 'Listener's Letters', 'DX Corner (Loran-CA 3/20)  
9470 ARMENIAN SSR R. Yerevan 2235-2305\* SP/ARM RS folk & Heroic instr  
/ vocal sels, lcl & SP mx, om & Yl ancrs, tks, mx. (Jordan-PA)  
9470 USSR RM 2032 EG yl ancr, pop mx, on ancring mail (Hankins-PA)  
9480.7 ALBANIA RT 0450-0547\* EG ID, nx, abrupt s/off, no ID. (Morby-NY  
9495 USA WGSN 2235 EG 'Letter Box', nice mx. 'Mx Now', (Slagt-Aruba@  
2040 mx from Uganda, two on tk/Uganda mx. (Hankins-PA 2/15)  
9495 USA KVOH 0127-0140 EG ID/QSL info, wld. nx, pop mx. (Arland-PA)  
0129 tk/ SW radio receivers & equipt. mx, address. (Hankins-PA 2/8)  
9500 ALBANIA RT 1430 Lang preceded by familiar bugle sel. (Hankins-PA)  
9505 JAPAN RJ 1900 EG nx, Gold medal won at Olypics, f. (Walley-CA)  
9509 ALGERIA R. Algiers 1957 EG rock mx, sked, s/off (Forth-IL 2/21)  
1940-1950 // 8685 ID as 'This is R. Algier of chanel 6' (Schulze)  
9510 ANTIGUA BBC rel. 0535 EG nx cntry of move for rel freedom in  
Soviet Union; SIO-454 (Bryant-GA 3/9)  
9515 CANADA BBC-Sackville 1605 EG wld Nx; (Hankins-PA 2/25) / presu-  
med Canada relay BBC 1735-1745 to No. America. vy strong (Hankins)  
9520 HUNGARY RB 0310-0328 EG tk abt great flood, letters, Q & A,  
cntry on educ., holiday spots; (Robinson-IL 3/14)  
9540 LIBERIA VOA-Monrovia 0536 EG a profile US NCR multi-nat'l corp.  
SIO-454 (Bryant-GA 3/9)  
Czechoslovakia RP 0110 EG wld nx, strong sig. (hankins-PA 2/8)  
UZBEKISTAN SSR R. Tashkent 1240-1330 Urdu/Hindi tks by om & yl  
mixed sels exotic mx. enthem, JD, nx, Mid-East mx. f. (Jordan-PA)  
9545 India AIR 1340 EG nx, cntry, pgm preview; f. (Forth-IL 2/17)  
9550 CUBA R. Habana 1435 SP om & yl tk, nx, ID; (Hankins-PA 2/5)  
9550 FRANCE RFI 0538 FR ID, sports tk, SIO-242 (Bryant-GA 3/9)  
9555 PHILIPPINES VOA-rel. 1418 CH nx, VOA jingle; SIO-232 (Bryant-GA)  
9575 MOROCCO R. Medi UN 2025-2046 AR mx, nx by om, Marlboro ad, tk by  
yl, abrupt s/off; f. (Rugg-QUE 2/26) / 2050 FR/AR ad jingles,  
pse's SIO-433 (Bryant-GA 3/2)

9575 PORTUGAL Adventist World Radio 0425-0440 Lithuanian mx, ID, tk, VOA co-channel QRM; (Topoleski-PA 2/28)

9575 ITALY RAI 0115-0120 EG rpt on human rights violations in seven countries, mx program; (Topoleski-PA 2/20)

9580 AUSTRALIA RA 1440 EG om ancr, mx pga, recordings; (Hankins-PA)

9585.4 QATAR QBS 0355 AR choral chants to ME flute mx, ID; (Bryant-GA)

9595 UNID pos. R. Monte Carlo 0132-0155 Lang. nx, cmtry, in appx. 6-7 min. blocks, wiped out by RSA IS QRM @0155; (Jordan-PA 2/25)

9595 JAPAN NSB 1624 JP om, yl/tk, Sinatra record, commercials, w/ choral "cola, cola, cola" f-g (Helms-CA 2/20)

9595 URUGUAY R. Monte Carlo 0130-0222 om w/ID 'R. Monte Carlo desde la Republica Oriental del Uruguay' Tnx Ernie Behr tip/gh. (Archer-NC)

9605 ANTIGUA DW rel. 0225-0350\* SP/EG om w/nx, 2 om tk, ID's (Jordan)

9605 VATICAN VR 0058-0110 EG 'The Church Today', IS. (Topoleski-PA) 0055-0100 nx of Pope's travels, // 11780 (Loran-CA 3/20)

9615 VATICAN VR 0000 SP s/on, intern. nx, praying, bible readings; (Slagt-Aruba 1/22)

9615 SO. AFRICA RSA 0231 EG pop mx & discussion of mx. (Hankins-PA 2/7)

9635 GERMANY, DR RBI 1950-2020\* AR om w/nx, ID, QRM, Mid-EAST mx; Tnx to tip frm Al Quaglieri in DX spread #25 ex 9685? QSB (Jordan-PA)

9640 UAE VoUAE 0340 EG nx, ID/om, freq. letter requests by yl. ID, SIO-322 QRM de R. Moscow (Bryant-GA 3/14)

9650 USA VOA 0150 EG yl w/wld nx, tk abt 'Our Town' / T Wilder (Hankins)

9650 GERMANY, FR DW 1500 GM polka mx, DW chimes, nx in GM (Hankins-PA)

9760 PHILIPPINES FEBC-Manila 1524-1530 EG pgm/ 'How to study the Bible' into nx; (Loran-CA)

9670 CUBA RH 2108 FR ID, cmtry on PLO by om; SIO-444 (Bryant-GA 3/2)

9670 JAPAN NSB 1055 JP EG Lessons, Japanese pop mx. (Slagt-Aruba 1/30)

9675 NO. MARIANAS KYOI 1040 Lang hvy U.S. rock mx, ID, like EG (Slagt)

9684 TANZANIA RT 0400-0429 EG Om w/nx, cmtry, mx sel, tk (Robinson-IL)

9690 CHINA, PR 0540-0550 EG language lesson. (Loran-CA 3/23)

9690 MALI RB 0545-0555 EG spec. pgm for Chinese New Year (Topoleski)

9690 ARGENTINA RAE 0201 EG yl/ID, L.Am. mx orch. (Hankins-PA 2/7)

9695 SWEDEN RS 0244-0259 EG interview, cmtry abt benefits of Swedish health care compared to No. America; (Loran-CA 3/20)

9700 CHINA, PR RB 0944 EG tk of Tibetan agitators; SIO-333 (Bryant-GA)

9700 USA AFRTS-Delano 1520 EG Olympic nx, direct deposit (Hankins-PA)

9705 PORTUGAL RP 0243 EG mx interval, travel/Lisbon; SIO-444 (Levison)

9720 ECUADOR HCJB 0242 EG 'DX Partyline' sp. ad; SIO-555 (Edwards-OH) 0206 flamby plan. pgm (Hankins-PA 2/7)

9720 AUDI ARABIA BSKSA 2010-2018 EG pop mx w/ancr's request letters, jazz pgm. g. (Rugg-Que 2/20)

9720 SRI LANKA SLBC 1245 EG mx by 'Starship', yl/ tk w/ID as 'This is the all Asia svc of the Sri Lanka Bdcst Corp.' Rel. pgm w/ India address by om. (Laskowski-IN 2/29)

9735 PARAGUAY R. Nac. 0000 SP yl/ ID, mx pgm, g. (Forth-IL 2/16)

9740 SINGAPORE BBC 0945 EG pgm 'A hobby or a way of life' abt the Tolkien Society. g. sig. (Walley-CA 2/14) / 1540-1552 clas. mx., // 11750 (Tuchscherer-WI 2/25)

9740 England BBC 1505 EG nx abt Stalin, So. Africa, Arabian Gulf, UN, etc. (Hankins-PA 2/5)

9755 CANADA RCI 0001 EG wld nx affecting Can. / auto dumping (Hankins)

9675 SPAIN REE 0224 EG/SP om & yl/ tk / mx, 'Crazy Rhythms' (Hankins)

9770 AUSTRALIA RA 1058 EG s/on, RA jingle, rk mx, nx. (Slagt-Aruba)

9770 MALI R. Beijing rel. 0018 EG wld nx re China. g. (Hankins-PA 2/16)

9770 USA WHRI 2254-2305 EG Rel. pop mx, ID, QSL info, nx. (Arland-PA)

9770 PHILIPPINES R. Veritas 1525-1529 EG ID 'R. Veritas here in Manila' Russian woodpecker QRM, (Loran-CA 3/21)

9779.3 YEMEN R. San'a 0344 AR mx, tk, mx; SIO-444 (Bryant-GA 3/14)

9800 FR. GUIANA RFI 0445 EG nx, Brazil floods; x sig (Walley-CA 2/22)

- 8810 GABON SRI rel. E330-3348 GM [former freq??] g. (Renfrew-NY 2/37) / 2210-2230 pres. Esperanto, IS, ID's, skeds, om & yl tk (Jordan)
- 9835 HUNGARY RB 1515 EG om & yl /nx, orch. mx. f-p. (Hankins-PA 2/5) 1720-1730+ chamber mx. ID, (Hankins-PA 2/7)/0300 (Topoleski-PA)
- 9840 KUWAIT RK 0410 AR om & yl /nx, ment of Israel & Iraq ID, cmtry, ment. Pakistan, nx abt Iran; SIO-333 (Bryant-GA 3/11)
- 9840 VIETNAM VoV 1618-1630 EG ID, vy faint; (Loran-CA 3/20)
- 9845 ISRAEL KOL 0120-0225 EG/Lang om/sked, ID, address, lang. w/ nx, lcl mx, back to EG.nx; // 9435 (Jordan-PA 2/6) / 0020-0030 EG 'Forty year Quiz', ID's, freqs, add. 7 pips @0030. vg. (Morby-NY 2/9) / 2020 EG 'DX Corner', nx, // 9435-better(Hankins-PA 2/21)
- 9850 USA WCSN 0233 EG yl / ID, poetry feature; (Forth-IL 2/17) / 0140-0200+ yl ancr, mx request pgm. g.l.rpt as 9852 (Jordan-PA 2/18)
- 9850 USA KUSW 1533 EG pop mx, ballads, ancmts; (Hankins-PA 2/7)
- 9860 CHINA\_PR RB 1100 SP s/on, ID, intern nx, CH clas.mx (Slagt-Aruba)
- 9870 SAUDI ARABIA BSKSA 1947 AR mx, SIO-343 (Bryant-GA 3/14) / 1902 mx, singing, 2-om tk,mx,tk; (Levison-PA)
- 9870 USA WCSN 0500-0510 EG 'Letterbox' pgm (Topoleski-PA 2/20)
- 9900 EGYPT R.Cairo C245 AR Language lesson, f. (Walley-CA 2/26) / 1915-2000 GM om & yl tk, nx, mx, ID's, sked ancmts; (Jordan-PA)
- 9905 GREECE VoG 1425-1450 GK/AR mx, freq info by yl ancr, mx, ID,nx, mx; // 9425 (Jordan-PA 2/13)
- 9910 INDIA AIR Laxman Jhoola Bridge cd.?? (Eckman-CA)
- 9935 GREECE R. Stn. Macedonia 1420-1500 mx,tk by om, mx,ID (Jordan-PA)
- 9940 CUBA CID 1620 SP L.A. mx, rock Mx. Ham QRM (Hankins-PA 2/7,2/25)
- 9945 CHINA\_PR RB 1105 CH nx, tk abt Israel & occ. Terr. (Slagt-Aruba)
- 9950 SYRIA RD 2055 EG Ar mx, ID, nx, s/off @2105 NA; (Laskowski-In 2/18) / 2008 pgm preview, nx, ID, f-g. (Forth-IL 2/21)
- 9955 CHINA\_REP VOFc-Taiwan Lang lesson, ID, ancmts, mx; wk. SYrian & ute GRN. SIO-222 //7355 WYFR relay. (Bryant-GA 3/2)
- 9960 CLAND R.Caiman 0038 SP wld nx, L.A. mx, ID. / nx, choir mx, ID tk abt Afghanistan; (Hankins-PA 2/16, 2/23)/0005 continuous mx, no tk, no ID heard f.sig. (Walley-CA 2/17)
- 10010 VIETNAM VoV 1545 EG(spec.) yl/ID, f-g.(Helms-CA 2/26)
- 10060 VIETNAM R.Hanoi 1213-1310 VT martial mx, yl ancr w/ pres. nx, tks, mx; (Jordan-PA 3/2) / VoV (or R.Hanoi ??) 1105 poss. nx, ID in FR. (Slagt-Aruba)
- 11168 USSR RM 0301 EG nx, -freq not listed, SIO-333 (Levison-Pa 2/2)
- 11445 CHINA\_PR RB 1225 EG freq, ancmts; (Slagt-Aruba 1/16)
- 11595 GREECE 'Edo Atheene' 2035 GK orch & voc. mx, yl ancr (Hankins-PA)
- 11600 CHINA\_PR RB 1215 EG nx/om & yl // to 11715 Masali rel (Morby-NY)
- 11620 INDIA AIR 2100 EG ID, nx by om, 'Iran-Iraq missile exchange; SIO-343 //9910 weaker (Bryant-Ga 3/2) /2110 mx, mail-bug pgm, f. w/QSB (Topoleski-PA 2/29) / 2025 'Letters from listeners', info for QSL cards (Feeley-GA 2/15) / 2144 Lang.Far-east mx (Hankins)
- 11625 SYRIA RD 2100 EG AR mx, ID, nx hdlines, s/off (Feeley-GA 2/15)
- 11660 BELGIUM BRT-Brussels 1900 FR om ancr,mx, on-spot sport (Hankins9)
- 11665 KUWAIT RK 1803 EG R & R mx, Near-east mx, om,yl ancns; sport items, om & yl ancns, mx, bdcst carried on to 2031; sig.improved (Hankins-PA 2/6,2/26) / 1830 ID, time pips, nx; (Feeley-GA 2/15) 2055 yl ancr w/pgm of oldie Rk mx w/Elvis; SIO-434 (Bryant-GA)
- 11670 USSR RM 1625 EG martial mx w/om vocals, science & engineering, 'Yours for the asking'; (Hankins-PA 2/27)
- 11680 USA KUSW 0010 EG 'From the West to the World' (Hankins-PA 2/12)
- 11685 Czechoslovakia RP 1912 Lang. tk, mx-mxd vocal group, familiar trumpet flour; (Hankins-PA 2/10) /1445-1500 hvy GRN, nx, lita instrumental mx. IS, ID; (Jordan-PA 3/1)
- 11730 UAE Dubai 1730-1840 AR vocal mx, yl w/tks ID vg. (Jordan-PA 2/3)
- 11815 LIBYA R. Jamahiriya 1406-1425 AR tk by om, prayers, nx; (Jordan)



# LOG REPORT

## section D

### 11700 and above

Editor: Wallace C. Treibel, 367 N.E. 149 St., Seattle, WA 98155

Log Section D is much abbreviated this month since the U.S. Mails somehow lost the material from the Dist. Editor. The items below were those received directly here from contributors. In order to be fair to all, I intended to initiate a policy this month of listing no more than 10 loggings per member. However, that will have to wait until next month since we have so few items. It will be a big help if contributors will limit their submittals to their 10 best DX items each month in the future.

- \*\*\*\*\*
- 11710 SUDAN SPLA Sudanese Liberation Army in AR 1300-58, ID in EG "The Voice of the Sudanese Revolution", mx, tkl (Radella PA 3/13)
  - 11720 HULGARHA R. Sofia in EG 2250, ID, polit cntry, g (Bryant GA 3/2) also in EG 0035 w/DX show (Radella PA 3/12)
  - 11725 VATICAN STATE VR in Sudanese 0512, interview, ID, s/off in EG, IS(Bryant GA 3/1)
  - 11780 AUSTRIA RAI in EG 1530, ID (Loran CA) in GM 0339, IS, ID's, nx (Bryant GA 3/15)
  - 11780 NEW ZEALAND RNZ in EG 0450, live cricket match, //15150, f (Bryant GA 3/16)
  - 11790 INDONESIA VOI in EG 1550, ID, sked, south seas mx, //15150 (Loran CA 3/20)
  - 11795 MALTA DW relay in GM 1437, mx, nx, interviews, ID, f-g (Bryant GA 3/16)
  - 11805 QJAM K1WR in EG 0929, IS, ID, apology for late replies to mail (Eckman CA 3/10)
  - 11810 SEYCHELLES FEBA in Vern. 0330, relig tkl, ID, IS, f-g (Bryant GA 3/14)
  - 11835 LIBERIA VOA relay Monrovia in EG 0340, political interview, g (Bryant GA 3/15)
  - 11850 FINLAND RF in EG 1501, ID, xmsn to Middle East, ID 1503 (Loran CA 3/5)
  - 118642 INDONESIA VOI in TN 1550, e2l mx, w/nx on hr, S-9+ w/light het (Treibel WA 4/6)
  - 11865 SEYCHELLES FEBA in AR 0335, nx, f-g (Bryant GA) in EG 1600, nx, tlks (Loran CA)
  - 11870 NORWAY RNI in EG 1700, nx re Soviet inspection of Nor. mil. exercises (Loran CA)
  - 11905 BRAZIL R. Universo in PT 0348, loud DJ, echo effect, BR pop mx, f (Bryant GA)
  - 11905 ITALY RAI in EG 0400, ams control tkl, ID, address, f (Bryant GA 3/14)
  - 11940 UNITED ARAB EMIRATES R. Dubai in EG 0335, nx, ID, f-g (Bryant GA 3/15)
  - 11940 SINGAPORE SEC in EG 1349, pop mx, f-g w/some fading (Loran CA 3/24)
  - 11945 FINLAND RF in EG 0330, ID, freqs, rpt on Nordic satellite project (Bryant GA)
  - 12025 IRAQ R. Baghdad in AR 0500, somber AR mx, pips, ID, nx, f (Bryant GA 3/16)
  - 12650 IRAQ R. Baghdad in AR 1855, modern & trad AR mx, ID, war message (Bryant GA)
  - 14802usb KIRIBATI RK in lang? 0720, island songs, f w/fading, off 0732 (Eckman CA 3/26)
  - 15145 PAST GERMANY R. Berlin in EG 1840, nx re S. Africa, f-g (Eckman CA 3/19)
  - 15150 NEW ZEALAND RNZ in EG 0435, oldie pop rx (Radella PA) in EG 1839 w/mx from "South Pacific", ID as "National Radio", fantastic signal! (Eckman CA 3/5)
  - 151708 SOCIETY IS. R. Tahiti in TT 0453, island mx and W/anncr, f (Bryant GA 3/16)
  - 15180 NORWAY RNI in NO 1133, nx, items re Pope John & Nordic Council (Bryant GA 3/10)
  - 15185 AMTICHA D. Welle relay in SP \*2300-0050\*, not Radiobras relay (Jordan PA 4/9)
  - 15200 FRENCH GUIANA RFI relay in PT 2235, class & FR mx, ID, exc (Bryant GA 3/2)
  - 15225 SOUTH AFRICA RSA in EG 1945, interview re interior decorating, g (Bryant GA 3/9)
  - 15320 AUSTRIA RAI in EG 1130, ID, nx, discussion, into GM 1200, IS (Jordan PA 4/14)
  - 15320 AUSTRALIA RA in EG 0051, C&W mx (Bryant GA) feature in EG 0445 (Radella PA 3/13)
  - 15320 UNITED ARAB EMIRATES R. Dubai in EG 1630, western mx, ID, nx, f (Bryant GA 3/13)
  - 15325 SEYCHELLES FEBA in SE Asia lang 1420, relig mx, ID, sermon, f (Bryant GA 3/16)
  - 15330 MOROCCO K1WR in AR 1920, spirited phone conversations, f (Bryant GA 3/14)
  - 15350 LUXEMBOURG RL in FR 1930, interview, ID, ads, FR pops, f-g (Bryant GA)
  - 15380 PORTUGAL R. Liberty in RS 1837, ID "R. Svoboda", western mx, cntry (Bryant GA)
  - 15430 LIBYA(T) R. Jamahiriya in AR 1848, AR mx w/brief anncs, p (Loran CA 3/24)
  - 15435 SWEDEN SRI in EG 1405, mx, wx rpt, ID, "Weekday" pgm, g (Bryant GA 3/9)
  - 15455 CHINA R. Beijing in EG \*1100, nx, CH mx, pgm of performing arts (Jordan PA 4/14)
  - 15640 ISRAEL Kol Israel in EG 1113, sports nx, interviews, ID (Bryant GA 3/10)
  - 17555 ISRAEL Kol Israel in HB 1150, nx, interview, //15615 (Bryant GA 3/10)
  - 17670 EGYPT R. Cairo in AR 1450, radio drama, relig message, wailing mx (Bryant GA)
  - 17710 ISRAEL Kol Israel in Slavic lang 1455, ID, nx, f/with het (Bryant GA 3/16)
  - 21515 USA WCSN Christian Bcst Network in EG 1745, "Weekend" pgm, IS (Eckman CA 3/5)
  - 21540 PAST GERMANY R. Berlin in EG 1400, ID, xmsn to SE Asia, mailbag (Bryant GA 3/9)
- \*\*\*\*\*

U.S. xmsns in the 21 mhz band will be listed until they become commonplace as the propagation layer rises later on. Also, we have a note from Father John Eckert in Pa. in which he reports that a note from R. Moscow Extension Service states that the Indonesian program at 1300 UTC on 15470 comes from Vladivostok, not Dushanbe as rptd in RDI 1988.

Gilfer SW will hold their 3rd Annual SWL Fest Saturday, June 18, from 10 to 3 at 52 Park Avenue, Park Ridge, NJ. Rain or shine, the outdoor flea market is primarily for the SWL, but radio amateur and computer interests are welcome too. Tailgating is \$3/space. Call Paul at 201-391-7887 for more information.

Gilfer SW has just released its 7th edition of the CONFIDENTIAL FREQUENCY LIST, compiled by Geoff Halligay. This 370-page compilation is a \*\* MUST \*\* for the utility DXer -- regardless of service or mode. The book arrived on April 26, and later that evening, using the Sony 2010 with its whip antenna, I scanned through some frequencies around 8.4 MHz. Every station heard was in the new CFL. From 0300 to 0315 UT, I heard HNN-8453 Paris Naval Radio, LZW-8460 Bulgaria, NNN-8463 Portsmouth (VA), CULB-8469 Lisbon, and NNR-8471 San Juan. Those of you with the all-mode decoders will find this edition very useful. \$19.95 plus \$2 shipping (PO Box 239, Park Ridge, NJ 07656).

Notes (in no particular order): Austria moved to 9875 to get out of the clutter 5 kHz lower. Radio Bangladesh has a very nice signal at 1230 on 15525 to Europe. The parallel 17870 gets stronger as time progresses. France cut back on its English output, adding Arabic instead; thanks to Lou Joseph for the info. Finland is another one who retimes everything for summer time, effective last March 27. Radio Nederland changed its 31a outlet at 1030 to 9675 to avoid co-channel interference in the target area; if you are awake at that hour (6:50 a.m. on the east coast) that is a great time to listen to Media Network on Thursdays. The solar flux peaked near 150 over the weekend of April 16-17; with 100 watts output and a dipole, I worked a dozen countries on the new 12a amateur band and heard the 10 watt PY2AMI beacon on 24900 as early as 1130 UT. On 15a, a couple of Japanese stations answered my CQs around 1730 UT.

From John Tuchscherer of Neenah, WI: "Just a thank you note for your efforts in behalf of FRENEX. I find it a great aid in working with newcomers to the hobby... Perhaps Bill Oliver can't give you any more pages but I sure would like to see your section expanded. Someday somebody is going to publish a bulletin which contains nothing but schedules and I expect it will be very successful..." John, thanks for the feedback! I don't think NASWA can afford to give this column more space as costs would push dues up quite a bit, but I appreciate your thoughts. It is very difficult for any printed publication to stay completely current with schedules as you pointed out. Even the ILG has its problems as Jonathan Marks pointed out in Media Network of April 22. The best suggestion I can make for you is to have a friend with a computer take up a subscription to the Pinelands RBBS data files mentioned in last month's column. The data files are regularly updated -- often daily during seasonal changes -- by on-air monitoring and with printed schedules received. Subscribers tell me it is the most accurate source of schedules they have found.

The accompanying VOA schedule is for the English language broadcasts only. A full schedule with all languages is available for download on the Pinelands RBBS. Also on Pinelands, in the SWL conference, Tom Mann has been posting weekly summaries of the loggings reported on the ANARC Net (renamed from the East Coast SWL Net) Sundays at 14 UT on 7240 kHz. It is an excellent capsule for your use. Thanks Tom!

---

Thomas R. Sundstrom	:	Telex:	6502446376 (via WUI)
PO Box 2275	:	MCI Mail:	244-6376
Vincetown	:	The Source:	BCF811
NJ 08088-2275	:	Compuserve:	(send via MCI Mail)
	:	Packet Radio:	W2XQ @ WB2MNF
	:	Pinelands RBBS:	609-859-1910 (24/12/3 8N1)

The is the VOA Broadcast Schedule as of 4/17/88.  
It includes changes for summer time in China which  
took effect this weekend. There will be a time shift  
when Korea goes to summer time in May.

Lang Target Areas Time(UTC) Freq Rly Azi Pur  
\*\*\* \*\*

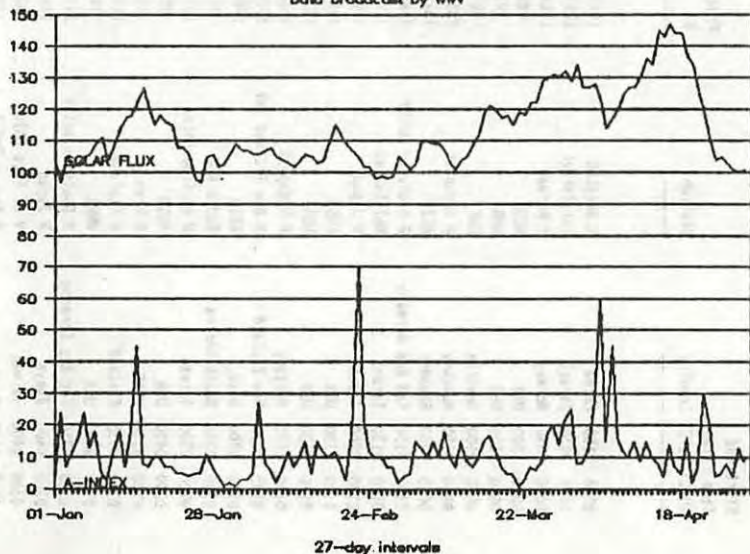
Lang	Target Areas	Time(UTC)	Freq	Rly	Azi	Pur
ENGL	EUR/N.AFR/ME/S.AS.	0100 0300	07205	KAV	105	250
ENGL	EUR/N.AFR/ME/S.AS.	0100 0400	07115	COL	350	10
ENGL	EUR/N.AFR/ME/S.AS.	0100 0400	11710	COL	350	35
ENGL	EUR/N.AFR/ME/S.AS.	0100 0400	15160	KAV	095	250
ENGL	EUR/N.AFR/ME/S.AS.	0100 0400	15215	PHL	270	250
ENGL	EUR/N.AFR/ME/S.AS.	0100 0400	15250	COL	350	35
ENGL	EUR/N.AFR/ME/S.AS.	0100 0400	17735	PHL	270	250
ENGL	EUR/N.AFR/ME/S.AS.	0300 0330	00792	KAV	015	500
ENGL	EUR/N.AFR/ME/S.AS.	0300 0330	01260	RHO	134	500
ENGL	EUR/N.AFR/ME/S.AS.	0300 0700	06040	WOF	074	250
ENGL	EUR/N.AFR/ME/S.AS.	0300 0700	07170	WOF	180	300
ENGL	EUR/N.AFR/ME/S.AS.	0300 0700	07200	WOF	058	250
ENGL	EUR/N.AFR/ME/S.AS.	0330 0400	01260	RHO	134	500
ENGL	EUR/N.AFR/ME/S.AS.	0400 0600	15205	KAV	095	250
ENGL	EUR/N.AFR/ME/S.AS.	0400 0700	00792	KAV	015	500
ENGL	EUR/N.AFR/ME/S.AS.	0400 0700	05995	GR	045	250
ENGL	EUR/N.AFR/ME/S.AS.	0400 0700	11925	WER	120	500
ENGL	EUR/N.AFR/ME/S.AS.	0430 0700	03980	NUM	055	100
ENGL	EUR/N.AFR/ME/S.AS.	0530 0600	01197	RHM	065	300
ENGL	EUR/N.AFR/ME/S.AS.	0530 0700	06060	WER	045	500
ENGL	EUR/N.AFR/ME/S.AS.	0600 0700	01260	RHO	134	500
ENGL	EUR/N.AFR/ME/S.AS.	0600 0700	05965	RHO	099	50
ENGL	EUR/N.AFR/ME/S.AS.	0600 0700	06095	TAN	078	100
ENGL	EUR/N.AFR/ME/S.AS.	0600 0700	07325	WOF	140	300
ENGL	EUR/N.AFR/ME/S.AS.	0600 0700	09715	RHO	140	50
ENGL	EUR/N.AFR/ME/S.AS.	0600 0700	11895	KAV	240	250
ENGL	EUR/N.AFR/ME/S.AS.	1400 1500	15205	KAV	095	250
ENGL	EUR/N.AFR/ME/S.AS.	1400 1800	07125	COL	350	10
ENGL	EUR/N.AFR/ME/S.AS.	1400 1800	09845	COL	036	35
ENGL	EUR/N.AFR/ME/S.AS.	1400 1800	15395	COL	350	35
ENGL	EUR/N.AFR/ME/S.AS.	1500 1530	01260	RHO	134	500
ENGL	EUR/N.AFR/ME/S.AS.	1500 1700	15205	WOF	086	300
ENGL	EUR/N.AFR/ME/S.AS.	1500 1800	09700	KAV	105	250
ENGL	EUR/N.AFR/ME/S.AS.	1500 1800	15260	KAV	095	250
ENGL	EUR/N.AFR/ME/S.AS.	1600 1630	01197	RHM	115	300
ENGL	EUR/N.AFR/ME/S.AS.	1600 1630	01260	RHO	134	500
ENGL	EUR/N.AFR/ME/S.AS.	1600 1630	03980	NUM	055	100
ENGL	EUR/N.AFR/ME/S.AS.	1600 1700	00792	KAV	015	500
ENGL	EUR/N.AFR/ME/S.AS.	1630 1700	01260	RHO	134	500
ENGL	EUR/N.AFR/ME/S.AS.	1700 1900	06040	WOF	074	250
ENGL	EUR/N.AFR/ME/S.AS.	1700 2200	09760	WOF	090	250
ENGL	EUR/N.AFR/ME/S.AS.	1700 2200	11760	WOF	102	250
ENGL	EUR/N.AFR/ME/S.AS.	1700 2200	15205	TAN	078	35
ENGL	EUR/N.AFR/ME/S.AS.	1700 2200	15205	TAN	044	100
ENGL	EUR/N.AFR/ME/S.AS.	1800 1900	09700	KAV	105	250
ENGL	EUR/N.AFR/ME/S.AS.	1900 2100	09700	KAV	105	250
ENGL	EUR/N.AFR/ME/S.AS.	1900 2200	06040	WOF	074	250
ENGL	EUR/N.AFR/ME/S.AS.	2100 2200	01260	RHO	134	500
ENGL	EUR/N.AFR/ME/S.AS.	2100 2200	09700	KAV	095	250
ENGL	AFRICA	0300 0400	03990	NVA	056	15

ENGL	AFRICA	0300 0400	06035	NVA	134	250
ENGL	AFRICA	0300 0400	06035	NVA	091	250
ENGL	AFRICA	0300 0400	09525	NVA	085	250
ENGL	AFRICA	0300 0400	11835	NVA	091	250
ENGL	AFRICA	0300 0430	00621	BOT	ND	50
ENGL	AFRICA	0300 0600	09575	BY	074	250
ENGL	AFRICA	0300 0700	07280	NVA	110	250
ENGL	AFRICA	0400 0430	03990	NVA	056	15
ENGL	AFRICA	0400 0430	06035	NVA	134	250
ENGL	AFRICA	0400 0430	11835	NVA	091	250
ENGL	AFRICA	0400 0500	06035	NVA	091	250
ENGL	AFRICA	0400 0500	09525	NVA	085	250
ENGL	AFRICA	0500 0700	06035	NVA	134	250
ENGL	AFRICA	0500 0700	09540	NVA	085	250
ENGL	AFRICA	0600 0700	03990	NVA	048	50
ENGL	AFRICA	0600 0700	06080	GR	094	500
ENGL	AFRICA	0600 0700	06125	BY	066	250
ENGL	AFRICA	0600 0700	09530	BY	091	500
ENGL	AFRICA	0600 0700	09550	BY	074	250
ENGL	AFRICA	0600 0700	11915	NVA	055	50
ENGL	AFRICA	1600 1830	15600	NVA	134	250
ENGL	AFRICA	1600 1900	09575	PHL	270	250
ENGL	AFRICA	1600 1900	11920	PHL	270	250
ENGL	AFRICA	1600 2200	07195	NVA	085	50
ENGL	AFRICA	1600 2200	15410	GR	091	500
ENGL	AFRICA	1600 2200	15445	NVA	091	250
ENGL	AFRICA	1600 2200	15580	GR	094	250
ENGL	AFRICA	1600 2200	17785	GR	094	500
ENGL	AFRICA	1600 2200	17800	BY	100	250
ENGL	AFRICA	1600 2200	17870	NVA	110	250
ENGL	AFRICA	1730 2200	00621	BOT	ND	50
ENGL	AFRICA	1800 2200	21405	NVA	117	15
ENGL	AFRICA	1830 2200	15600	NVA	134	250
ENGL	LATIN AMERICA	0000 0200	11740	DL	126	250
ENGL	LATIN AMERICA	0000 0300	05995	GR	174	500
ENGL	LATIN AMERICA	0000 0300	09650	DL	126	250
ENGL	LATIN AMERICA	0000 0300	09775	GR	205	250
ENGL	LATIN AMERICA	0000 0300	09815	DL	126	250
ENGL	LATIN AMERICA	0000 0300	11580	GR	183	250
ENGL	LATIN AMERICA	0000 0300	15205	GR	174	500
ENGL	LATIN AMERICA	0100 0200	00930	HAM	215	
ENGL	LATIN AMERICA	0100 0200	01580	AMT	170	50
ENGL	LATIN AMERICA	0100 0200	06130	GR	145	250
ENGL	LATIN AMERICA	0100 0200	09455	GR	146	500
ENGL	CARIBBEAN	0000 0100	00930	HAM	215	
ENGL	CARIBBEAN	0000 0100	01580	AMT	170	50
ENGL	CARIBBEAN	0000 0100	06130	GR	145	250
ENGL	CARIBBEAN	0000 0100	09455	GR	146	500
ENGL	CARIBBEAN	0000 0100	11695	GR	146	250
ENGL	CARIBBEAN	1000 1200	01580	AMT	170	50
ENGL	CARIBBEAN	1000 1200	05975	GR	145	250
ENGL	CARIBBEAN	1000 1200	06165	GR	174	250
ENGL	CARIBBEAN	1000 1200	09590	GR	145	250
ENGL	FAR EAST/OCEANIA	0000 0100	07275	PHL	285	50
ENGL	FAR EAST/OCEANIA	0000 0100	09770	PHL	270	250
ENGL	FAR EAST/OCEANIA	0000 0100	11760	PHL	200	250
ENGL	FAR EAST/OCEANIA	0000 0100	15185	PHL	285	50
ENGL	FAR EAST/OCEANIA	0000 0100	15290	PHL	349	250
ENGL	FAR EAST/OCEANIA	0000 0100	17740	PHL	150	250

ENGL FAR EAST/OCEANIA	0000	0100	17820	PHL	034	100
ENGL FAR EAST/OCEANIA	0030	0100	01575	BAK	ND	1HW
ENGL FAR EAST/OCEANIA	0100	0300	07205	KAV	105	250
ENGL FAR EAST/OCEANIA	0100	0400	07115	COL	350	10
ENGL FAR EAST/OCEANIA	0100	0400	11710	COL	350	35
ENGL FAR EAST/OCEANIA	0100	0400	15160	KAV	095	250
ENGL FAR EAST/OCEANIA	0100	0400	15215	PHL	270	250
ENGL FAR EAST/OCEANIA	0100	0400	15250	COL	350	35
ENGL FAR EAST/OCEANIA	0100	0400	17735	PHL	270	250
ENGL FAR EAST/OCEANIA	1000	1200	05985	DL	272	250
ENGL FAR EAST/OCEANIA	1000	1330	11715	PHL	137	50
ENGL FAR EAST/OCEANIA	1000	1500	15425	PHL	285	50
ENGL FAR EAST/OCEANIA	1100	1230	01143	PHL	262	1HW
ENGL FAR EAST/OCEANIA	1100	1300	06110	PHL	200	250
ENGL FAR EAST/OCEANIA	1100	1500	09760	PHL	021	250
ENGL FAR EAST/OCEANIA	1100	1500	15160	PHL	349	250
ENGL FAR EAST/OCEANIA	1100	1500	15425	PHL	212	50
ENGL FAR EAST/OCEANIA	1100	1700	09760	PHL	270	250
ENGL FAR EAST/OCEANIA	1300	1800	06110	PHL	270	250
ENGL FAR EAST/OCEANIA	1400	1500	01143	PHL	262	1HW
ENGL FAR EAST/OCEANIA	1400	1800	07125	COL	350	10
ENGL FAR EAST/OCEANIA	1400	1800	09645	COL	036	35
ENGL FAR EAST/OCEANIA	1400	1800	15395	COL	350	35
ENGL FAR EAST/OCEANIA	1530	1600	01575	BAK	145	1HW
ENGL FAR EAST/OCEANIA	2200	2400	07275	PHL	285	50
ENGL FAR EAST/OCEANIA	2200	2400	09770	PHL	270	250
ENGL FAR EAST/OCEANIA	2200	2400	11760	PHL	200	250
ENGL FAR EAST/OCEANIA	2200	2400	15185	PHL	285	50
ENGL FAR EAST/OCEANIA	2200	2400	15290	PHL	349	250
ENGL FAR EAST/OCEANIA	2200	2400	15305	PHL	137	35
ENGL FAR EAST/OCEANIA	2200	2400	17740	PHL	150	250
ENGL FAR EAST/OCEANIA	2200	2400	17820	PHL	034	100
ENGL FAR EAST/OCEANIA	2230	2400	01575	BAK	ND	1HW

## SOLAR FLUX &amp; A-INDEX: Jan - Apr 88

Data broadcast by WWV



ENGLISH LANGUAGE SW BROADCAST SCHEDULES; By Start Time  
Compiled by Thomas R. Sundstrom, W210

Start End Time Time (UTC) (UTC)	Country	Station	Freq 81	Freq 82	Freq 83	Freq 84	Freq 85	Freq 86	Freq 87	Freq 88	Target Area	Notes	Record Last Updated
0000 0100	China	R Beijing	15455	11715	9770						EMA	11715, 9770 v Mali	04/10/88
0000 0030	Israel	Kol Israel	12077	11605	9435						EMA/CA/SA	Eng Mon only	04/24/88
0000 0030	Norway	R Norway	11040	9620							W Afr	90 deg	04/23/88
0000 0200	USA	WCN	9852								Eu/CA/SA		04/20/88
0000 0300	USA	WHRI	9870	7400							MA		04/20/88
0030 0400	Austria	ORF	9875								MA		04/09/88
0030 0100	Hungary	R Budapest	15160	11910	9835	9585	9520	6110			MA		04/16/88
0035 0200	Ecuador	HCJB	15155	11775	9720						MA		04/17/88
0100 0150	Fed Rep Germany	R Deutsche Welle	11865	9735	9565	6145	6085	6040			EMA		04/24/88
0100 0130	Israel	Kol Israel	12077	11605	9435						MA	9735 v Malta	04/24/88
0100 0200	Japan	R Japan	17845	17810	15195	11705	5960				G05/Asia/NA	5960 Can:25m -0130	04/10/88
0100 0300	USA	KUSW	11495								Canada	70 deg	04/20/88
0110 0130	USA	VOR	15205	11580	9775	9650	5995				Americas		04/23/88
0130 0145	Hungary	R Budapest	15160	11910	9835	9585	9520	6110			MA	Tu/W/F/Sa	04/16/88
0145 0315	New Zealand	R New Zealand Int'l	17705	15150							Pac/Aus/Melanesia	Sat only	04/10/88
0200 0700	Guam	KSDA	17865	11760							As		04/20/88
0200 0356	South Africa	Radio RSA	9610	9580	6010						MA		04/29/88
0200 0300	Taiwan	V of Free China	15345	11860	11745	11740	9765	7445	5985	5950	MA/Jap/As/CA/Aus/NZ	WFR:11740, 9765, 5985	03/28/88
0200 0400	USA	WCN	9852								E Afr	75 deg	04/20/88
0200 0230	BSR	R Kiev	15180	13645	11790	7400	7205	7165	5980		MA		04/29/88
0230 0255	Finland	R Finland	11755	9635							MA		04/18/88
0259 0400	USA	WHRI	7400	7355							Eu/CA/SA		04/20/88
0300 0350	Fed Rep Germany	R Deutsche Welle	11785	9700	9605	9545	6045	6010			MA	9700 v Malta	04/20/88
0300 0400	Japan	R Japan	21610	17825	17810	15195	11870	11840			G05/Asia/NA	Freq @ 1,2,5 -0330	04/24/88
0300 0400	Taiwan	V of Free China	15345	11745	9765	7445	5985	5950			MA/Jap/As/Aus/NZ	WFR:9765, 5985	03/28/88
0315 0325	France	R France Int'l	11995	11700	11670	9800	9790	9550	7175	7135	MA/Afr/Ind/As/Eu	news in English	04/10/88
0330 0730	New Zealand	R New Zealand Int'l	17705	15150							Pac/Aus/Melanesia		04/10/88
0400 0415	Israel	Kol Israel	17430	12077	11605	9435	9010				Aus/As/NA/Eu		04/24/88
0400 0430	Norway	R Norway	11760	9650							ME/E Afr/WNA	Eng Mon only	04/23/88

0400	0426	South Africa	Radio RSA	9580	7270	4980	Afr/NE	04/29/88
0400	0600	USA	WHRI	7400	7365		Eu/CA/SA	04/20/88
0430	0455	Finland	R Finland	15185	11715	9670 6120	NE/E Afr/Eu	04/18/88
0500	0600	China	R Beijing	5690			EMA	04/10/88
0500	0550	Fed Rep Germany	R Deutsche Welle	9700	9635	6130 6120 5960	MNA	04/20/88
0500	0600	Japan	R Japan	17810	15235	11870 11840 9505	60S/As/Mk/Oceania	04/24/88
0500	0530	Norway	R Norway	15310	11735		Eu/NE/Afr	04/23/88
0515	0530	Canada	R Canada Int'l	15245	11840	11775 9750 7295 6140 6050	Eu/Afr/NE	04/28/88
0545	0600	Canada	R Canada Int'l	15245	11840	11775 9750 7295 6140 6050	Eu/Afr/NE	04/28/88
0600	0700	Italy	AMR Europe	7257			Eu	03/28/88
0600	0600	USA	WHRI	9620	7365		Eu/CA/SA	04/20/88
0630	0655	Finland	R Finland	15270	11755	9560 6120	Eu/W Afr	04/18/88
0700	0900	Guua	KSDA	17855	11700		As	04/20/88
0700	0800	Japan	R Japan	21695	17810	15235 11955	60S/As/Afr/Oc/Eur/NE	03/27/88
0800	0825	Finland	R Finland	21550	17795		As/SE As	04/18/88
0800	0830	Portugal	AMR Europe	9670			Eu	04/21/88
0800	1100	USA	WHRI	9310	7355		Eu/CA/SA	04/20/88
0830	0855	Finland	R Finland	17795	15245		F East	04/18/88
0830	0900	Switzerland	R Swiss Int'l	21695	17830	13685 9560	As/NZ	04/25/88
0900	1100	Guua	KSDA	17855	11980		As	04/20/88
0930	1000	Sweden	R Sweden	15390			As/NZ	04/21/88
0945	1000	Hungary	R Budapest	15160	11910	9835 9585 9520 6110	Eu	04/16/88
1000	1030	Israel	Koj Israel	17575	15650	15640 15095	W Eu/Aus/As	04/23/88
1000	1030	Norway	R Norway	21730	15400	15235 11870	Afr/Eu/NE/FarE/AusNZ	04/24/88
1000	1030	Switzerland	R Swiss Int'l	21695	17830	13685 9560	Aus/NZ	04/25/88
1030	1045	Hungary	R Budapest	15160	11910	9835 9585 9520 6110	Eu	04/16/88
1030	1125	Netherlands	R Nederland	9675	6020		Aus/Carib	04/18/88
1030	1215	New Zealand	R New Zealand Int'l	9540	6100		Aus/Melanesia	04/10/88
1100	1200	China	R Beijing	15455			EMA	04/09/88
1100	1200	Guua	R Finland	15400	11945		MA	04/18/88
1100	1200	Japan	R Japan	11815	6120		Indonesia	04/20/88
1100	1156	South Africa	Radio RSA	21590	17890	15365 7270	60S/Asia/MA	04/10/88
1100	1130	Switzerland	R Swiss Int'l	17830	15570	13685 11935	Afr/NE/UK/Ireland	04/29/88
1100	1200	USSR	R Moscow	17665	17655	17645 15595 15225 15150 13790	SE As/Aus/NZ	04/25/88
1130	1200	Austria	ORF	17870	15320	11915 6155	World Service	04/10/88
1158	1300	Canada	R Canada Int'l	17820	11855	9625	EMA/Aus/As/Eu	04/10/88
1159	1500	Canada	R Canada Int'l	17820	11955		NA/Carib	04/28/88
1200	1300	China	R Beijing	15455	15130	14715	MA/Carib	04/28/88
							EMA	04/10/88
								15130, 11715 v Mail

1200	1225	Finland	R Finland	15400	11945	MA	04/18/88
1200	1400	Guam	KSDA	11980	9465	As	04/20/88
1200	1300	USSR	R Moscow	17645	15595	World Service	04/10/88
1230	1300	Bangladesh	R Bangladesh	17870	15525	Eu	04/17/88
1230	1300	Sweden	R Sweden	21690	15190	S As/E As	04/21/88
1245	1255	France	R France Int'l	21645	17720	Am/Afr/Ind/As/Eu	04/10/88
1300	1400	China	R Beijing	9635		MNA	04/10/88
1300	1325	Finland	R Finland	15400	11945	MA	04/18/88
1300	1400	Italy	AWR Europe	7257		Eu	03/28/88
1300	1330	Norway	R Norway	21700	17810	NA/CA/Eu/Afr/SAs	04/23/88
1300	1600	Pakistan	R Pakistan	15605	13675	ME	04/02/88
1300	1400	USSR	R Moscow	17645	15595	World Service	04/10/88
1330	1400	Switzerland	R Swiss Int'l	21695	17830	E Afr/India/Aus/NZ	04/25/88
1400	1500	Guam	KSDA	11980	11700	India	04/20/88
1400	1500	Japan	R Japan	11815	11780	60S/As/Aa	04/24/88
1400	1430	Norway	R Norway	15310	15305	NA/AI/S As/Eu/Aus	04/23/88
1400	1556	South Africa	Radio RSA	21590	21535	Afr/ME/UK/Ireland	04/29/88
1400	1430	Sweden	R Sweden	15390	15345	MA	04/21/88
1400	1500	USSR	R Moscow	17665	17655	World Service	04/10/88
1405	1430	Finland	R Finland	17800	15185	ME/Eu	04/18/88
1430	1525	Netherlands	R Nederland	17575	15560	S&E As/Eu	03/26/88
1445	1500	Canada	R Canada Int'l	17820	15325	C&E Eu	04/28/88
1500	1700	Costa Rica	AWR Latin America	15460		LA	03/28/88
1500	1600	Guam	KSDA	11810	11700	India	04/20/88
1500	1600	Japan	R Japan	21700	11815	60S/As/Aa/Eu/NE	04/10/88
1500	1700	USA	WHRI	21655	15105	Eu/CA/SA	04/20/88
1500	1700	USSR	R Moscow	13790	11840	World Service	04/10/88
1515	1530	Hungary	R Budapest	15160	11910	Eu	04/16/88
1530	1600	Switzerland	R Swiss Int'l	21630	17830	ME/E Afr	04/25/88
1600	1655	France	R France Int'l	17795	17620	Afr/ME/As/M Eu	04/10/88
1600	1700	Guam	KSDA	11700		India	04/20/88
1600	1630	Norway	R Norway	15310	15180	S As/MNA/AI/ME/Eu	04/23/88
1600	1630	Pakistan	R Pakistan	15135	13675	ME/E&S Afr	04/02/88
1600	1900	USA	KDBI	11735		Sun only	04/10/88
1600	2000	USA	WNLK	9465		Eu	04/17/88
1600	1700	USA	WYFR	21615	21525	S&E Afr	03/26/88
1630	1725	Netherlands	R Nederland	9540	6020	Eu	04/02/88
1630	1900	Pakistan	R Pakistan	7385	6210	Eu	04/24/88
1700	1715	Israel	Kol Israel	13750	11655	60S/As/Aa	04/10/88
1700	1730	Japan	R Japan	11815	11705		
1700	1730	Japan	R Japan	11815	11705		

1700	1730	Sweden	6065	Eu	04/21/88
1700	1800	USA	17845 15585 13760	Eu	04/17/88
1700	1800	USSR	13790 12060 11840	World Service	11840 v Cuba
1710	1730	USA	15205	Afr	04/23/88
1800	1856	South Africa	15365 11875	MHC Afr/UK/Ireland	04/29/88
1800	1830	USSR	7240 6165 6090 6010	Eu	04/29/88
1800	2000	USSR	12060 11840	World Service	11840 v Cuba
1830	1855	Finland	15185 11755 9550 6120	Eu/Af	04/10/88
1830	1900	Hungary	15160 11910 9835 9595 9520 6110	Eu	04/16/88
1830	2115	New Zealand	15150 12030	Pac	04/10/88
1830	1900	Sweden	15240	Afr	04/21/88
1900	1930	Afghanistan	9640 7160	Eu	04/20/88
1900	1930	Israel	15585 15485 13625 11605 9010	NA/Eu/Afr	04/24/88
1900	1930	Japan	11705 9640 9505	60S/Am/Oc	04/10/88
1900	1930	Norway	15310 15220 9590	NA/Eu/NZ	04/23/88
1900	1956	South Africa	9610 7270 5980	Afr/NE	04/29/88
1900	2200	USA	15400	Canada	04/20/88
1930	2000	Portugal	11800 9605	Eu	70 deg
2000	2030	Canada	17875 17820 15325 11945 9555 6030	W Eu	Mon-Fri
2000	2200	Buenos Aires	15225 9465	E As/Indon	Sa/Su-2100 141/49 UK
2000	2030	Hungary	15160 11910 9835 9585 9520 6110	Eu	04/20/88
2000	2030	Norway	15310 9590	NA/Eu	04/16/88
2000	2200	USSR	11840	World Service	04/23/88
2100	2200	Canada	15325 11945	W Eu	11840 v Cuba
2100	2125	Finland	15400 11945 11755 6120	SA/F East/Eu/Af	04/28/88
2100	2130	Japan	11850 11815 9695 9640	60S/As/Oc	04/18/88
2100	2130	Sweden	11845 6085	Afr/Eu	04/10/88
2110	2130	USA	17800 17785 15580 15410 15205 9700 7205	Afr/NE	04/21/88
2115	2245	Egypt	9900	Eu	04/23/88
2130	2200	Israel	15640 15585 13625 12077 11605	LA/NA/Eu	04/02/88
2200	2230	Canada	11705 9755 9560	SE As/NA	04/24/88
2200	0200	Buenos Aires	15125 11750	Phil	11705 v Japan
2200	2230	Norway	15180 15165	SA/Af/Eu	04/20/88
2200	2300	Taiwan	15440 15370 11580 9955	Eu/Aus/NZ	04/23/88
2200	2230	USSR	15280	SA	WYFR:15440 t 11580
2200	0100	USA	15580	Canada	Su
2245	0145	New Zealand	17705 15150	Pac/Aus/NE/Anesia	70 deg
2300	2330	Israel	12077 11605 9435	NA	04/20/88
2300	2400	Japan	17810 15230 15195 11815 11800	60S/As/Eu/NE/Af	04/10/88
2330	2355	Belgium	9925	SA/NA	04/24/88
2330	0000	Hungary	15160 11910 9835 9585 9520 6110	NA	11800 v Gabon
2330	0000	USSR	15180 13645 11790 7205 7165 5980	NA	Mon-Sat
					etc Su
					04/16/88
					04/29/88

This report covers changes entered between 03/26/88 and 04/2/88.

04/29/88

ENGLISH LANGUAGE DX SHOWS: By Day of Week  
Compiled by Thomas R. Sundstrom, W210

Shortwave DX Program	Show Time	Insn Time	Start Time	Country	Station	Freq							Target Area	Notes re DX Show	Record Last Updated	
						#1	#2	#3	#4	#5	#6	#7				
<b>** DAY OF THE WEEK: Sunday</b>																
Shortwave Panorama	0100	0030	0100	Austria	ORF	9875										04/09/88
Communications World	0110	0110	0110	USA	VQA	15205	11580	9775	9650	5995						04/23/88
AMR DX Program	0815	0800	0800	Portugal	AMR Europe	9670										03/28/88
Pacific DX Magazine	0845	0805	0805	Guam	KTWR	11805										04/22/88
DX Corner	0925	0900	0900	Japan	R Japan	17810	15235	11885	11840							04/03/88
SW Club	0945	0945	0945	Hungary	R Budapest	15160	11910	9835	9585	9520	6110					04/16/88
Shortwave Panorama	1135	1130	1130	Austria	ORF	17870	15320	11915	6155							04/10/88
DX Corner	1525	1500	1500	Japan	R Japan	21700	11815	9695	9505							04/03/88
World of Radio	1800	1700	1700	USA	WRND	15420										04/21/88
<b>** DAY OF THE WEEK: Monday</b>																
DX Corner	0125	0100	0100	Japan	R Japan	17845	17810	15195	11705	5960						04/03/88
DX Corner	0325	0300	0300	Japan	R Japan	21610	17825	17810	15195	11870	11840					04/03/88
Radio World	0800	0800	0800	Belgium	BRT	15510	11695									04/09/88
SW Club	1515	1515	1515	Hungary	R Budapest	15160	11910	9835	9585	9520	6110					04/16/88



NO COLLECT CALLS ON THESE ADS, PLEASE.

FOR SALE: Yaesu FRG-7700 receiver with 12-channel memory and the FRV-7700 VHF converter. Mint condition, \$425.00. Sangean ATS-803A (newest model) portable with AC adapter. New condition, \$170.00. Prices include shipping. Bob Schoenleber, 310 Yardley Commons, Yardley, PA 19067. Phone (215) 493-1019.

FOR SALE: Set of Micro-Fiche (ITU) World Wide Utilities March 1986 Annex (Call Sign) Index (Frequency and Mode of Operation) from 0010 kHz to 27,900 kHz. Price \$60.00. Joseph Palkovic, 621 Truesdell Avenue, Altamonte Springs, FL 32701. Phone (407) 331-5982 anytime.

FOR SALE: New Multilingual Dictionary: seven language dictionary with French, Italian, Hebrew, Spanish, German, Russian, and Portuguese in 840 pages. Each section contains phrases both in English and the foreign language. Price is \$12.50 plus \$2.50 for shipping (only within the U.S.A.). Franz Schwartz, Jr., 414 Sabra Drive, Wilmington, NC 28405.

FOR SALE: Customized Beam Headings (from/to) and Distances (MI/KM) to over 415 WRTM-88 transmitter sites. Useful in selecting listening times based on distance and alternate transmissions. ITU Country Codes included. Send your location/coordinates, \$5.95. WRTG-87, \$9.25. FRENEX-87 complete, \$7.25. "Gilfer Confidential Frequency List" and "Guide to RITTY Frequencies," \$5.25 each. All items include shipping. Cashier's check or money order, please. Al Dreihmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.

FOR SALE: Antique Zenith Model 6-S-249 three band (.55-18 mHz) receiver. Works, with some audio distortion. This is a chair-side, flat topped receiver in which the dial faces the person sitting in the chair and the speaker points away from the chair. The cabinet has been refinished. Located in Conroe, TX. Call to negotiate price/shipping.

Old tubes available: 35/51, 81, 5Z3, 36, UY227, 36, UX171, CA235, 12AX4, 45, CX381, ER227, 1B3GT, 5Y3GT, 5V4G, 6SL7G, 6sn7GVT, 6AX4GT, 14GT8, 35C5, 12DT8, 42, 76, 75, 6A7, 6D6, 6E7, (5)27, (2)C327, (4)24A, (4)KT66, (2)12BA6, (2)80, 47. Glass tubes intact, no electronic guarantees. Would like to get rid of whole lot to someone interested.

A few early 78 rpm records and some 40s albums, for the collector.

Contact: Jerry A. Lineback; Work 404-656-3214; Home, 404-739-1546 (until 31 May). Write: #309 Westpark Pl., Lithia Springs, GA 30057.



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February 21, 1988

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